# Detailed Propagation Tables for Ascension Island

| SSN Ultra High | SSN Very High | SSN High | SSN Medium | SSN Low | SSN Very Low |
|---|---|---|---|---|---|
| January | January | January | January | January | January |
| February | February | February | February | February | February |
| March | March | March | March | March | March |
| April | April | April | April | April | April |
| May | May | May | May | May | May |
| June | June | June | June | June | June |
| July | July | July | July | July | July |
| August | August | August | August | August | August |
| September | September | September | September | September | September |
| October | October | October | October | October | October |
| November | November | November | November | November | November |
| December | December | December | December | December | December |

**Each of the month names in the above table is a hyperlink to the corresponding page of this document. Click on the one you want to jump to.**

# 160 Meters: Jan., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | 1 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 3 | 4 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 2 | 3 | 3 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 2 | 2 | 5 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 6 | 5 | 4 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| P4 = 09 | 6 | 5 | 4 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 3 | 2 | 3 | 4 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 |
| CE = 12 | 2 | 2 | 2 | 3 | 3 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 4 | 4 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 3 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 |
| I = 15 | 2 | 2 | 2 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 1 | 2 |
| UA3 = 16 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 5 |
| UN = 17 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 1 | 1 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 1 |
| HZ = 21 | 4 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | - |
| VU = 22 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VR2 = 24 | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 2 | 2 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| FR = 39 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| FJL = 40 | 4 | 2 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jan., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 1 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| W6 = 03 | - | 2 | 4 | 5 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 6 | 7 | 8 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| XE1 = 06 | 2 | 5 | 6 | 6 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 5 | 5 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 9 | 9 | 8 | 7 | 8 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 |
| P4 = 09 | 9 | 8 | 7 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 |
| HC = 10 | 6 | 5 | 6 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9 |
| CE = 12 | 5 | 5 | 5 | 6 | 6 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| G = 14 | 6 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 5 | 6 |
| I = 15 | 5 | 5 | 5 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 4 | 5 |
| UA3 = 16 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 8 |
| UN = 17 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 6 | 6 |
| UA9 = 18 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 4 | 4 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 4 |
| HZ = 21 | 7 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 3 |
| VU = 22 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 1 |
| VR2 = 24 | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 7 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| SU = 34 | 5 | 5 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 |
| FR = 39 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 |
| FJL = 40 | 7 | 5 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jan., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 7 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 |
| W6 = 03 | 4 | 6 | 7 | 8 | 8 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 |
| XE1 = 06 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ |
| CE = 12 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 |
| G = 14 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 |
| I = 15 | 8 | 7 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 7 | 7 | 7 |
| UA9 = 18 | 8 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 7 | 8 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 | 4 |
| 4X = 20 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 8 |
| HZ = 21 | 8 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 | 8 | 8 |
| VU = 22 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 8 | 8 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 7 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 6 | 1 |
| HS = 26 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 6 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 2 | 6 | 7 | 7 | 7 | 1 |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 7 | 6 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - |
| KH6 = 31 | 8 | - | - | 1 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 |
| KH8 = 32 | - | - | - | - | - | 1 | 5 | 2 | - | - | - | - | 5 | 2 | 1 | 1 | - | - | - | - | - | - | 2 | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 8 | 8 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9+ | 9+ | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jan., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | 2 | 4 | 4 | 5 | 4 | 5 |
| VO2 = 02 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 8 | 5 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 3 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 7 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 8 | 9 |
| UN = 17 | 8 | 7 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 8 | 9 | 8 | 8 |
| UA9 = 18 | 3 | - | 5 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 9 | 7 | 7 |
| UA0 = 19 | 4 | 1 | 1 | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 7 | 6 | 7 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 6 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 7 | 7 | 8 |
| JT = 23 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 6 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 7 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 1 | 1* | 5 | 6 |
| HS = 26 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | - | 2 | 6 | 7 | 8 | 8 | 7 | 6 |
| YB = 28 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 8 | 8 | 7 |
| VK6 = 29 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 7 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 1 | - | - |
| KH6 = 31 | 6 | - | 2 | 6 | 7 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 2 | 6 | 7 | 6 | 5 | - | - | - | 4 | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ |
| FR = 39 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 8 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 7 | 3 | 2 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 7 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jan., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 8 | 2* | 4 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 8 | 9 |
| VO2 = 02 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 5 | - | 7 | 8 | 5 | 2 | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | 1 | 1 | 1 | 3 | 6 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | - | 3 | 1 | - | - | - | 1 | 2 | 2 | 5 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 8 | 5 | 1 | - | - | - | 1 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | - | 2 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 8 | 4 | 1 | - | - | - | - | 1 | 1 | 5 | 7 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 9 | 9 | 6 | 4 | 1 | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 5 | 4 | 1 | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | 1 | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9 | 9 | 9 | 6 | - | 1 | 9 | 8 | 6 | 2 | 1 | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9+ | 9 | 8 | 5 | 1 | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 8 | 8 | 4 | 2 | 8 | 9 | 8 | 7 | 2 | - | - | - | 1 | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| UN = 17 | 8 | 5 | 6 | 9 | 8 | 6 | 6 | 2 | 1 | - | - | - | - | - | - | 4 | 8 | 7 | 2 | 2 | 5 | 8 | 9 | 9 |
| UA9 = 18 | - | 1* | 3* | 8 | 8 | 8 | 7 | 5 | 4 | - | - | - | - | - | - | 4 | - | - | - | - | 3 | 5 | 2 | - |
| UA0 = 19 | 9 | 8 | 7 | 6 | 5 | 5 | 5 | 4 | 8 | 3* | - | - | - | - | - | - | - | 3 | 5 | 6 | 3 | 2* | 2* | 5 |
| 4X = 20 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 | 9 | 6 | 2 | - | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | 1 | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 4 | - | 7 | 9 | 8 | 4 | 3 | 1 | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 1* | 5 | 8 | 8 | 6 | 5 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | 4 | 7 | 4 | - | - |
| VR2 = 24 | 8 | 8 | 5 | 2 | - | - | - | 2* | 2* | 3* | 1* | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 7 | 5 | 3 | 2 | 2 | 2 | 5* | 6 | 5* | 4* | - | - | - | - | - | - | - | - | 2 | 3* | 3* | 2* | 3* | 9 |
| HS = 26 | 9 | 9 | 8 | 6 | 2 | - | - | - | 1* | 1* | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 2 | - | - | - | - | 3* | 4* | 4* | 2* | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 8 | 6 | 2 | - | - | - | - | 1* | 1* | 1* | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| VK6 = 29 | 9 | 6 | 4 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK3 = 30 | 1 | 1 | - | - | 1 | - | - | 3* | 3 | 1 | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 6 | 5 |
| KH6 = 31 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | 1* | 2* | 5* | 5* | 2* | - | - | 1 |
| KH8 = 32 | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | 2* | 5* | 6* | 6* | 4* | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9+ | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 7 | 2 | 1 | - | 1 | 1 | 2 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9 | 7 | 5 | 3 | 2 | 1 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | 3 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | - | - | - | 1* | 1* | 1* | 1* | 1* | 8 | 6 | 1 | - | - | - | - | 2 | 5 | 9 | 5 | 2* | 2* | 1* | 1* | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jan., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 6 | 2* | 2* | 3* | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9 | 5 | 1 | 1 | 7 | 7 | 2 | - | - | - | 9 | 8 | 5 | 2 | 2 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9+ | 9 | 9 | 8 | 5 | 4 | 6 | 8 | 6 | - | - | - | - | 2 | 1 | 3 | 9 | 4 | 6 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 8 | 7 | 8 | 7 | 7 | 6 | 4 | - | - | 5 | 2 | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9 | 8 | 6 | 7 | 9 | 8 | 6 | 3 | - | 1 | 8 | 5 | 2 | 1 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 1 | - | - | - | 5 | 2 | 1 | 1 | 2 | 3 | 4 | 5 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1* | 3 | 8 | 5 | 4 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | - | 2 | 9+ | 9 | 8 | 6 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 9+ | 9 | 8 | 5 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 8 | 6 | 4 | 2 | 2 | 2 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 5 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 7 | 5 | 4 | 4 | - | - | - | 9 | 9 | 9 | 7 | 4 | 2 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| I = 15 | 9+ | 9+ | 9+ | 9 | 4 | - | 4* | 9+ | 9 | 8 | 6 | 4 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 1 | 2 | 1 | - | 3* | 5* | 8 | 9 | 8 | 6 | 6 | 2 | 2 | 3 | 4 | 8 | 9 | 9 | 9 | 4 | 5 | - | - | 1 |
| UN = 17 | 2 | - | 1* | 8 | 9 | 9 | 7 | 7 | 5 | 5 | 3 | 1 | 1 | 3 | 5 | 6 | 8 | 1 | - | - | - | 4 | 7 | 6 |
| UA9 = 18 | 1* | 1* | 1* | - | 9 | 8 | 8 | 7 | 6 | 7 | 3 | 1 | 1 | 2 | 5 | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 8 | 7* | 5* | 5 | 1 | - | - | - | - | - | - | - | - | 1* | 3* | 2* | 2* |
| 4X = 20 | 9+ | 9+ | 9+ | 5 | 4* | 9 | 7 | 9 | 9 | 7 | 5 | 3 | 4 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 8 | 4 | 9 | 9 | 8 | 8 | 6 | 5 | 4 | 4 | 6 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1* | 1* | 1* | 9 | 8 | 8 | 6 | 5 | 2 | 4 | 3 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 |
| JT = 23 | 1* | 1* | 5 | 9 | 8 | 7 | 5 | 6 | 5 | 8 | 2 | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 9 | 9 | 8 | 7 | 5 | 2 | 2 | 4* | 8 | 5* | 5* | - | - | - | - | 5 | 8 | 9 | 9 | 9+ | 9 | 9 | 4 | 4 |
| JA1 = 25 | 9 | 8 | 6 | 6 | 5 | 7 | 7* | 8* | 8* | 7 | 5* | 1* | - | - | - | - | - | 1* | - | - | 3* | 3* | 3* | 8 |
| HS = 26 | 8 | 9 | 9 | 9 | 7 | 3 | 2 | 2 | 3* | 4* | 4* | 2 | 1 | 4 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| DU = 27 | 9 | 8 | 8 | 5 | 2 | 1* | 4* | 5* | 8 | 6* | 5* | 1* | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| YB = 28 | 9 | 9 | 9 | 6 | 3 | - | - | 1* | 2* | 4* | 4* | 1 | 1 | 1 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VK6 = 29 | 9 | 9 | 8 | 7 | 6 | 5 | 4 | 4 | 4 | 5 | 3* | 2 | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 8 |
| VK3 = 30 | 6 | 5 | 5 | 5 | 3 | 3 | 3 | 7 | 7 | 5 | 2 | 1 | - | - | - | 1 | 2* | 5* | 7* | 7* | 7* | 6 | 6 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | - | - | - | - | - | - | 3 | 2 | 7 | 8 | 6* | 2 | 3 | 4 |
| KH8 = 32 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 4 | 1 | - | - | 3* | 5* | 7* | 8 | 8 | 7* | 5* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | - | 7 | 9+ | 9 | 8 | 8 | 6 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 4* | 9 | 6 | 9+ | 9 | 8 | 5 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 5 | 8 | 9 | 9 | 8 | 7 | 6 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 8 | 1 | 2* | 1* | 1 | 6 | 9+ | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9 | 4 | 5 | 9 | 8 | 8 | 7 | 5 | 4 | 2 | 2 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 1* | 1* | 1* | 2* | 3* | 4* | 5* | 5* | 5* | 8 | 7 | 4 | 1 | 1 | 2 | 6 | 8 | 3 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jan., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 9 | 7 | 4 | 2* | 2* | 2* | 2* | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 6 | 1 | - | - | 2 | 1 | - | - | - | - | 7 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| W6 = 03 | 9+ | 9 | 9 | 9 | 5 | 1* | - | 1 | 4 | 2 | - | - | - | - | 4 | 4 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 8 | 4 | 2 | 1 | 2 | 2 | 2 | - | - | - | 7 | 5 | 4 | 5 | 9 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 8 | 4 | 1 | 2 | 5 | 5 | 1 | - | - | - | 8 | 8 | 5 | 4 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | 7 | 5 | 4 | 3 | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9 | 9+ | 9 | 9+ | 9 | 8 | 1* | - | - | 8 | 6 | 5 | 4 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | 9+ | 9 | 9 | 8 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | 9 | 9 | 9 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 7 | 7 | 1* | 8 | 8 | 8 | 6 | 6 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | - | - | - | - | - | - | - | 9+ | 9 | 8 | 6 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 3 |
| I = 15 | 9+ | 9+ | 8 | 5 | - | - | 1* | 9 | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | - | - | - | - | 2* | 6* | 5* | 8 | 9 | 8 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 4 | - | - | - | - | - |
| UN = 17 | - | 1* | 1* | 5 | 9 | 7 | 2 | 8 | 7 | 5 | 8 | 5 | 5 | 5 | 7 | 8 | 2 | - | - | - | - | - | 1 | 1 |
| UA9 = 18 | 1* | - | 1* | 1* | 7 | 7 | 4 | 8 | 7 | 5 | 4 | 4 | 4 | 5 | 5 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2 | 9 | 9 | 8 | 8 | 6 | 6* | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | 2* | 2* | 1* |
| 4X = 20 | 9+ | 9+ | 8 | - | 5* | 5 | 2* | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 3 | 2* | 8 | 8 | 7 | 8 | 8 | 5 | 7 | 6 | 6 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | - | 1* | 9 | 9 | 7 | 5 | 6 | 5 | 8 | 8 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 5 | - |
| JT = 23 | 1* | 1* | 1* | 8 | 8 | 4 | 4* | 6 | 6 | 5 | 5 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 8 | 9 | 9 | 8 | 6 | 2 | 3 | 5* | 6 | 6 | 7 | 4* | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 1* | 1* |
| JA1 = 25 | 9 | 8 | 7 | 7 | 7 | 6* | 7* | 8* | 8 | 7* | 6* | 5* | 2* | - | 1* | 1* | 1* | 1* | - | - | 1* | 3* | 2* | 2 |
| HS = 26 | 5 | 9 | 9 | 8 | 7 | 2 | 4 | 4 | 8 | 7 | 8 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 |
| DU = 27 | 9 | 9 | 8 | 7 | 5 | 2 | 4* | 6 | 6 | 7* | 7 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 4 | 8 |
| YB = 28 | 9 | 9 | 9 | 7 | 4 | 1 | 1 | 2 | 2 | 7 | 8 | 4 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VK6 = 29 | 7 | 8 | 8 | 7 | 6 | 3 | 4 | 5 | 4 | 5 | 7 | 4 | 4 | 4 | 5 | 6 | 7 | 7 | 6* | 6* | 5* | 4* | 4* | 4* |
| VK3 = 30 | 6 | 8 | 8 | 8 | 5 | 4 | 4 | 5 | 5 | 5* | 4 | 3* | 1 | - | - | 1* | 4* | 6* | 7* | 7* | 7* | 6* | 5* | 5 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 1 | 3* | 2* | 1* | 1* | 1* | 2* | 1 | 5 | 5 | 8* | 7* | 5 | 6 | 7 |
| KH8 = 32 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2* | 3* | 4* | 6* | 6* | 6* | 8* | 8* | 6* | 4* | 2* |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 2 | 4* | 4 | 2* | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 4* | 4* | 2* | 5 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 6 | - | - | - | 4* | 2* | 1* | 7 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| FR = 39 | 9 | 5 | 2* | 3* | 8 | 5 | 7 | 9 | 6 | 6 | 6 | 5 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | - | 1* | 1* | 2* | 4* | 5* | 5* | 6* | 5* | 8 | 8 | 6 | 4 | 5 | 6 | 6 | 6 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jan., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 5 | 3* | 2* | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 9 | 9 | 9 | 9 | 8 |
| VO2 = 02 | 1 | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 4 |
| W6 = 03 | 9 | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 8 | 4 | - | - | - | - | - | - | - | - | - | 4 | 7 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 8 | 6 | - | - | - | 1 | - | - | - | - | - | 1 | 8 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9+ | 9 | 5 | 2 | 3 | 1 | - | - | - | - | - | - | 4 | 6 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 2 | - | - | - | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | 9+ | 9+ | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 8 |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4* | 4* | 2* | 1 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5* | 5* | 3* | 6 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 5* | 5* | 3* | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 7 | 1 | - | - |
| I = 15 | 9 | 7 | 4 | - | - | - | - | 5* | 9+ | 9 | 9 | 8 | 8 | 8 | 6 | 9 | 9 | 9 | 7 | 6 | 7 | 9 | 9+ | 9+ |
| UA3 = 16 | - | - | - | - | - | 6* | 5* | 5* | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 3 | - | - | - | - | - | - |
| UN = 17 | - | 2* | 2* | 3* | 8 | 2* | 2* | 6 | 8 | 7 | 6 | 6 | 6 | 8 | 8 | 5 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 1* | 2* | 2* | 3* | 3* | 4* | 7 | 8 | 7 | 6 | 6 | 6 | 7 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 7 | 9 | 8 | 8 | 5* | 5* | 6* | 8 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 3* |
| 4X = 20 | 9+ | 9 | 2 | - | 4* | 5* | 3* | 3 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 7 | - | 5* | 4* | 3 | 1 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | - | 3* | 3* | 8 | 8 | 1 | 1* | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 2 | - | - |
| JT = 23 | 2* | 2* | 2* | 5 | 8 | 4* | 5* | 5* | 8 | 7 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5 | 9 | 8 | 8 | 5 | 3* | 4* | 5 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | 1* | 3* |
| JA1 = 25 | 9 | 8 | 8 | 7 | 7 | 6* | 7* | 7 | 8 | 8* | 7* | 5* | 4* | 2* | 1* | 2* | 1* | - | - | - | - | 4* | 4* | 3* |
| HS = 26 | 3* | 8 | 9 | 8 | 5 | 1* | 2 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 3* |
| DU = 27 | 9 | 9 | 8 | 7 | 3 | 4* | 5* | 5 | 6 | 7* | 7* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 3* | 4* |
| YB = 28 | 9 | 9 | 8 | 6 | 1 | - | 1 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| VK6 = 29 | 5* | 4 | 7 | 4 | 1* | 1* | - | 1 | 4 | 6* | 5* | 4* | 2* | 1 | 1 | 3 | 5* | 6* | 6* | 5* | - | - | 2* | 5* |
| VK3 = 30 | 3* | 4 | 2 | 2 | 2 | 1* | 1 | 4 | 5* | 5* | 4* | 4* | 2* | 2* | 1* | 2* | 5* | 7* | 7* | 7* | 7* | 7* | 6* | 5* |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2* | 4* | 4* | 3* | 3* | 3* | 2* | 2* | - | - | 7 | 5 | 8* | 8* | 6 | 6 | 7 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 4 | 5* | 4 | 5 | 6 | 7* | 8* | 7* | 5 | 5 |
| CN = 33 | 9+ | 9+ | 9 | 7 | - | - | - | - | 8 | 9+ | 9 | 9 | 9 | 8 | 9 | 6 | 8 | 8 | 7 | 7 | 8 | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 6 | - | 2* | 5* | 3* | 2* | 9 | 9 | 8 | 8 | 8 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 5* | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 7 | 1 | 2* | 5* | 4* | 1* | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | 3* | - | - | 4 | 3 | 2 | 6 | 9 | 9 | 8 | 8 | 9 | 9+ | 9+ | 9 | 7 | 3 | 2 | 1 |
| FR = 39 | 5 | 1* | 4* | 4* | 2 | 1* | 2 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9+ | 9 | 9 | 8 | 8 |
| FJL = 40 | - | - | 2* | 4* | 5* | 3* | 2* | 5* | 4* | 1 | 8 | 7 | 6 | 7 | 6 | 5 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jan., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 6 | 4* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6* | 2* |
| W6 = 03 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 2 | - | - | - | - | - | - | - | - | - | - | - | 8 | 7 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 9 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| XE1 = 06 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 8 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 1* | - | - | - | 5 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | 5 | 9+ | 9 | 5 | 4 | 3 | 4 | 5 | 5 | 5 | 4 | 5* | 5 | 6 |
| P4 = 09 | 5 | 7 | 8 | 7 | 6 | 1 | - | - | - | - | - | 9 | 9 | 4 | 3 | 3 | 4 | 5 | 5 | 5 | 4 | 5* | 5* | 5* |
| HC = 10 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | 3* | 4* | 1* | - | 9 | 6 | 3 | 4 | 4 | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 4 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 2 | 1* | 4* | 1* | 1* | 4 | 4 | 3 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| LU = 13 | 8 | 8 | 9+ | 8 | 6 | 1 | - | - | 2* | 1* | 1 | 4 | 3 | 2 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 6 | 1 | - | - | - |
| I = 15 | 6 | 2 | - | - | - | - | - | 2* | 9 | 9 | 9 | 9 | 3 | 1 | - | 2 | 3 | 2 | - | 1 | 1 | 5 | 9+ | 9 |
| UA3 = 16 | - | - | - | - | - | 2* | 2* | 2* | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - |
| UN = 17 | - | 1* | 4* | 4* | 7 | 3* | 1* | 1* | 8 | 7 | 6 | 6 | 8 | 8 | 7 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | 2* | 4* | 2* | 3* | 4* | 2* | 1* | 2* | 8 | 8 | 7 | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 4* | 8 | 7 | 5 | 3* | 2* | 3* | 8 | 7 | - | - | - | - | - | - | - | - | - | - | - | 5* | 5* | |
| 4X = 20 | 9+ | 4 | - | - | 2* | 4* | 2* | 1* | 9 | 9 | 6 | 3 | 2 | 2 | 3 | 7 | 9 | 8 | 6 | 6 | 8 | 9 | 9+ | 9+ |
| HZ = 21 | 8 | 2 | - | 5* | 4* | 3* | 1* | 2 | 9 | 8 | 7 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 |
| VU = 22 | - | 3* | 3* | 4 | 6 | 2* | 1* | 1 | 6 | 6 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 7 | 2 | - | - | - | - |
| JT = 23 | 4* | 3* | 4* | 4* | 5 | 3* | 2* | 2* | 8 | 8 | 6 | 7 | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 8 | 8 | 7 | 4* | 4* | 3* | 1 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 6 | 5 | 3 | - | - | 5* |
| JA1 = 25 | 8 | 8 | 8 | 7 | 5 | 5* | 4* | 4* | 7 | 6* | 7* | 6* | 5* | 3* | 2* | - | - | - | - | - | - | 5* | 5* | 5* |
| HS = 26 | 5* | 5* | 9 | 7 | 2 | 2* | 1* | 5 | 7 | 7 | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 3* |
| DU = 27 | 8 | 9 | 8 | 5 | 4* | 4* | 3* | 4 | 6 | 6 | 7* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | - | 5* | 5* |
| YB = 28 | 7 | 8 | 7 | 2 | 1* | 1* | - | 4 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| VK6 = 29 | 5* | 4* | 4 | 2* | 1* | - | - | - | 1 | 6* | 5* | 5* | 3* | 2* | 2* | 3* | 5* | 5* | 4* | - | - | - | - | 1* |
| VK3 = 30 | 4* | 3* | 2* | 2* | 2* | - | - | 1 | 1* | 6* | 5* | 5* | 3* | 2* | 2* | 3* | 5* | 6* | 6* | 5* | 5* | 6* | 6* | 5* |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 7 | 3 | 1* | 4* | 4* | 4* | 4* | 3* | 2* | 1* | - | - | 8 | 6 | 8* | 8* | 6* | 5 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 8 | 8 | 6 | 8* | 8 | 8 | 8 | 6 | 5* | 5* | 4* | 4 | 5 | 6 | 7 | 8* | 8* | 6 | 6 |
| CN = 33 | 9+ | 8 | 3 | 1 | - | - | - | - | - | 9+ | 9 | 7 | 1 | - | - | - | 1 | 2* | - | 9+ | 9+ | 6 | 8 | 9+ |
| SU = 34 | 9+ | 8 | 1 | - | - | 5* | 2* | 1* | 9 | 9 | 5 | 2 | 1 | 1 | 2 | 6 | 8 | 7 | 5 | 5 | 7 | 8 | 9+ | 9+ |
| 6W = 35 | 9 | 8 | 8 | 9 | 8 | 1 | - | - | - | 9 | 9+ | 9 | 6 | 5 | 5 | 5 | 5 | 3 | 5* | 6* | 3* | 5 | 8 | 9 |
| D2 = 36 | 9+ | 9+ | 9 | 8 | 2 | 1* | 1* | 4 | 9 | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 4 | 1 | - | - | 5* | 4* | 1* | - | 4 | 1 | 1* | 5 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9+ | 9+ | 9+ | 9 | 6 |
| ZS6 = 38 | - | - | - | - | - | 2* | - | - | - | - | - | - | 4 | 4 | 3 | 2 | 5 | 6 | 5 | 3 | - | - | - | - |
| FR = 39 | - | - | 3* | 5* | 3* | 1* | - | 4 | 8 | 7 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 3 |
| FJL = 40 | - | - | 1* | 2* | 4* | 1* | 1* | 1* | - | - | 4 | 7 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Feb., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W6 = 03 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 3 | 5 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | - | 2 | 3 | 4 | 3 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 1 | 3 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 6 | 5 | 4 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 2 | 4 | 3 | 1 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | |
| CE = 12 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| G = 14 | 4 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 |
| I = 15 | 2 | 2 | 2 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 2 |
| UA3 = 16 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| UN = 17 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 1 | 1 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| HZ = 21 | 4 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | 3 |
| VU = 22 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | |
| SU = 34 | 4 | 3 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 | |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 5 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| FR = 39 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 5 |
| FJL = 40 | 3 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Feb., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| W6 = 03 | - | - | 2 | 3 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 6 | 6 | 8 | 7 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | 1 | 5 | 6 | 7 | 6 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 4 | 6 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 9 | 8 | 7 | 7 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| HC = 10 | 5 | 7 | 6 | 4 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| CE = 12 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 8 | 7 | 7 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| G = 14 | 7 | 6 | 6 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 6 |
| I = 15 | 5 | 5 | 5 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 5 |
| UA3 = 16 | 7 | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 6 | 6 |
| UN = 17 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 |
| UA9 = 18 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 4 | 4 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 |
| HZ = 21 | 7 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 6 |
| VU = 22 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| VK3 = 30 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 |
| SU = 34 | 7 | 6 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 8 | 9 | 9 | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 |
| FR = 39 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 8 |
| FJL = 40 | 6 | 5 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Feb., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 4 | 5 | 6 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| W6 = 03 | 1 | 5 | 7 | 7 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | - |
| W9 = 04 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ |
| CE = 12 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 9 | 9 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 8 | 8 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 6 | 1 |
| 4X = 20 | 7 | 8 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 8 | 8 | 8 |
| VU = 22 | 8 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 5 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 4 | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 | 6 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 2 | 5 | 6 | 6 | 6 | 1 |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 7 | 6 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 6 | 2 |
| VK3 = 30 | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - |
| KH6 = 31 | - | - | - | 1 | 5 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| KH8 = 32 | - | - | - | - | - | 2 | 5 | 2 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | - | - | 1 | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9+ | 9+ | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 8 |
| FJL = 40 | 9 | 8 | 9 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Feb., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 6 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | 1 | 1 | 2 | 2 | 2 | 3 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 3 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 9 | 9 | 8 | 8 |
| UN = 17 | 8 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 6 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 9 | 8 | 8 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 5 |
| 4X = 20 | 8 | 8 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 | 9 | 9 |
| VU = 22 | 6 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 8 | 7 | 8 | 8 |
| JT = 23 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 5 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 7 | 2 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 7 | 7 | 7 |
| DU = 27 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 6 |
| YB = 28 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 | 7 | 7 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 5 | 5 | 1 | - |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | 5 |
| KH8 = 32 | - | - | - | - | 2 | 6 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 3 | 1 | - | 1 | 2 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ |
| FR = 39 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 4 | 3 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Feb., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | 4 | 8 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | - | - | - | - | - | - | 1* | - | - | 2 | 4 | 6 | 8 |
| W9 = 04 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 2 | 5 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | - | 3 | 1 | - | - | - | - | - | 1 | 1 | 4 | 6 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 8 | 4 | 1 | - | - | - | - | - | 2 | 4 | 6 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 9 | 9 | 6 | 3 | 1 | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 4 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | 2 | 4 | 7 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | 1 | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 7 | 9 | 8 | 6 | 2 | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | 1 | 1 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | - | - | 8 | 9 | 8 | 6 | 4 | 2 | 2 | - | - | - | - | - | - | 1 | 4 | 7 | - | 1* | 4 | 8 | 7 | 4 |
| UA0 = 19 | 8 | 7 | 4 | 4 | 4 | 3 | 4 | 4 | 8 | 2* | - | - | - | - | - | - | - | 7 | 8 | 8 | 7 | 4 | 7 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | 1 | 3 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | - | 6 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| JT = 23 | 9 | 9 | 8 | 6 | 4 | 3 | 2 | 1 | 2* | 1* | - | - | - | - | - | 1 | 4 | 2 | 1 | 6 | 9 | 9 | 8 | 7 |
| VR2 = 24 | 8 | 8 | 5 | 1 | - | - | - | 1* | 3* | 2* | 1* | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| JA1 = 25 | 4 | 4 | 1 | 1 | - | 1 | 4* | 5* | 5* | 4* | 1* | - | - | - | - | - | 4 | 7 | 8 | 8 | 2 | 2 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1* | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 2 | - | - | - | - | 2* | 3* | 4* | 1* | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 8 | 6 | 2 | - | - | - | - | - | 1* | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| VK6 = 29 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK3 = 30 | 1 | 1 | 1 | 1 | 1 | - | 1 | 3* | 1 | 1 | - | - | - | - | - | 1 | 1 | 6 | 6 | 7 | 8 | 8 | 8 | 5 |
| KH6 = 31 | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | 1* | 3* | 5* | 5* | 1* | - | - | - |
| KH8 = 32 | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | 2* | 4* | 6* | 5* | 3* | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9 | 8 | 5 | 2 | 1 | - | 1 | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9 | 7 | 6 | 9+ | 9+ | 9 | 7 | 2 | 2 | 1 | 1 | 1 | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9+ | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | 2 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 5 | 4 | 1 | 1* | 1* | 1* | 2 | 9 | 8 | 5 | 1 | - | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 7 | 6 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Feb., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 5 | 4 | 3* | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9+ | 9 | 8 | 9 | 9 | 9 | 8 | 5 | - | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 8 | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 6 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | - | 2 | 5 | 1 | - | 1 | 2 | 3 | 6 | 8 | 8 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 7 | 8 | 1 | 9 | 8 | 5 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 2 | - | - | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 5 | 7 | 8 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | 1 | 8 | 4 | 2 | 1 | 1 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | - | 4 | 9+ | 9 | 8 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 1 | 9+ | 9 | 8 | 6 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 9 | 7 | 5 | 3 | 1 | 1 | 2 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5 | 3 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 7 | - | 1 | 9+ | 9 | 8 | 8 | 4 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 4 | 1* | 5* | 9+ | 9 | 8 | 5 | 3 | 2 | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 8 | 7 | 4 | 5 | 6 | 8 | 9 | 8 | 5 | 2 | 1 | 3 | 1 | 2 | 5 | 9 | 9 | 9 | 9+ | 9+ | 8 | 8 | 8 |
| UN = 17 | 7 | 6 | 7 | 9 | 9 | 7 | 7 | 5 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 5 | 4 | 4 | 8 | 8 | 8 |
| UA9 = 18 | - | - | - | 9 | 8 | 8 | 8 | 6 | 5 | 7 | 1* | - | - | - | 1 | 4 | 7 | - | - | - | - | - | - | - |
| UA0 = 19 | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6* | 5* | 2 | 1 | 1 | - | - | - | - | 1 | 2 | 1 | 1* | 2* | 1* | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 8 | 1* | 9 | 9 | 9 | 8 | 6 | 3 | 2 | 2 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 7 | 9 | 9 | 8 | 8 | 5 | 4 | 1 | 1 | 4 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 3 | - | - | 9 | 9 | 8 | 4 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| JT = 23 | - | 8 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 8 | 2* | - | - | 1 | 2 | 2 | - | 1* | - | - | - | - | 1* | - |
| VR2 = 24 | 9 | 8 | 8 | 5 | 2 | 1 | 1* | 4* | 8 | 5* | 4* | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9+ | 9 | 5 | 2 |
| JA1 = 25 | 8 | 7 | 5 | 4 | 5 | 5 | 6* | 7* | 8* | 6 | 5* | 1* | - | - | - | - | - | 2* | 3 | 1 | 2* | 2* | 7 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 5 | 2 | - | 1 | 2* | 3* | 3* | - | 1 | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 9 | 8 | 7 | 3 | 1 | - | 3* | 5* | 8 | 6* | 5* | 2* | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9+ | 7 | 8 |
| YB = 28 | 9 | 9 | 8 | 7 | 1 | - | - | - | 2* | 3* | 2* | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| VK6 = 29 | 8 | 9 | 8 | 7 | 3 | 2 | 1 | 4 | 3 | 3 | 2* | 1* | 1 | - | 1 | 5 | 7 | 9 | 9 | 9 | 8 | 7 | 7 | 7 |
| VK3 = 30 | 6 | 5 | 5 | 4 | 3 | 3 | 6 | 6 | 6 | 8 | 3* | 1 | 1 | - | - | 1 | 2 | 5* | 6* | 7* | 6* | 8 | 8 | 8 |
| KH6 = 31 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 2* | 1 | 7 | 8 | 5* | 2 | 2 | 3 |
| KH8 = 32 | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | 5* | 8* | 8* | 8* | 6* | 3* | 1* | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - | 9+ | 9+ | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 3 | 9 | 9 | 9+ | 9 | 7 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 2 | 8 | 9 | 9 | 8 | 6 | 4 | 3 | 3 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9 | 4 | - | 1* | 2* | 2 | 8 | 9+ | 9 | 8 | 8 | 6 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9 | 5 | 6 | 9 | 8 | 8 | 6 | 3 | 1 | 1 | 1 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | - | 1* | - | 1* | 1* | 2* | 4* | 7 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 3 | 8 | 9 | 9 | 8 | 1* | 1* | 1* | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Feb., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 8 | 8 | 4 | 1* | 2* | 3* | - | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9 | 6 | 7 | 8 | 8 | 7 | 4 | 1 | - | 1 | 9 | 9 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 4 | 4 | 5 | 6 | 5 | - | - | - | - | 4 | 2 | 8 | 4* | 5 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 8 | 7 | 6 | 4 | 5 | 2 | - | - | 6 | 5 | 2 | 3 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9 | 8 | 9 | 9 | 9 | 8 | 1 | 3 | - | 6 | 9 | 7 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | 1* | - | - | - | 7 | 4 | 2 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 4 | 1* | - | 8 | 7 | 5 | 3 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | - | - | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 1* | 6 | 8 | 7 | 5 | 4 | 3 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 8 | 9 | 9 | 8 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 4* | 8 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 7 | 7 | 7 | 2 | - | - | 6 | 9 | 9 | 8 | 6 | 4 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 8 | - | - | 5* | 9+ | 9 | 9 | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 4 | 3 | 3 | 1 | 5* | 4* | 3 | 9 | 9 | 7 | 5 | 5 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 7 | 6 | - | 3 | 2 |
| UN = 17 | 2 | 1 | 3 | 8 | 9 | 8 | 6 | 6 | 5 | 5 | 7 | 2 | 3 | 3 | 6 | 8 | 9 | 6 | - | - | - | 3 | 5 | 5 |
| UA9 = 18 | - | - | 1* | 3 | 9 | 6 | 5 | 8 | 6 | 5 | 6 | 2 | 2 | 3 | 5 | 8 | 1 | - | - | - | - | - | - | 1* |
| UA0 = 19 | 9 | 8 | 8 | 8 | 6 | 6 | 5* | 8 | 7* | 6* | 6* | 3 | 1 | - | - | - | - | - | - | - | - | 2* | 1* | 1 |
| 4X = 20 | 9+ | 9+ | 9+ | 2 | 2* | 5 | 6 | 9 | 8 | 8 | 5 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 1* | 8 | 8 | 6 | 8 | 7 | 5 | 4 | 6 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | - | 1* | 9 | 9 | 8 | 6 | 5 | 2 | 3 | 8 | 2 | 2 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| JT = 23 | - | 1 | 8 | 9 | 8 | 5 | 2 | 6 | 5 | 4 | 5 | 3 | 3 | 2 | 5 | - | - | - | - | - | - | - | 1* | - |
| VR2 = 24 | 7 | 8 | 8 | 6 | 4 | 3 | 3 | 4 | 5* | 6* | 6 | 4* | - | 1 | 1 | 6 | 8 | 9 | 9 | 9+ | 9 | 8 | 1 | 1* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 5 | 5* | 7* | 7* | 8* | 7* | 6* | 4* | - | - | - | - | 2* | 1* | - | - | 1* | 2* | 1 | 9 |
| HS = 26 | 5 | 9 | 9 | 8 | 6 | 3 | 2 | 4 | 7 | 7 | 8 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| DU = 27 | 9 | 8 | 7 | 7 | 5 | 3* | 4* | 6 | 6* | 7* | 7 | 5* | 2 | 2 | 2 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 2* | 5 |
| YB = 28 | 9 | 9 | 8 | 7 | 1 | - | 1 | 1 | 8 | 6 | 7 | 3* | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 2 | 9 | 8 | 6 | 4 | 2 | 3 | 5 | 6 | 6 | 6 | 2 | 2 | 3 | 4 | 4 | 4 | 7 | 6 | 5* | 1* | 3* | 2* | 1* |
| VK3 = 30 | 8 | 7 | 7 | 6 | 5 | 4 | 5 | 6 | 6 | 5 | 5 | 3 | 1 | - | - | 1 | 3* | 6* | 7* | 7* | 7* | 5* | 7 | 8 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 7 | 8 | 8 | 4 | 1 | - | - | - | 3* | 4 | 5 | 5 | 8* | 6* | 5* | 5 | 6 |
| KH8 = 32 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | 1 | 4* | 6* | 8* | 8* | 8* | 7* | 6* | 2* | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | - | - | 1 | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 5* | 4 | 5 | 9+ | 9 | 8 | 7 | 6 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 4* | 4* | 2* | 7 | 9 | 9 | 8 | 7 | 7 | 5 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 2 | - | - | 1* | 2* | 2* | 1 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| FR = 39 | 9 | 7 | 2* | 3* | 6 | 5 | 8 | 8 | 6 | 5 | 5 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| FJL = 40 | 1* | 1* | 1* | 1* | 2* | 4* | 5* | 5* | 8 | 9 | 8 | 5 | 3 | 2 | 3 | 5 | 8 | 9 | 7 | 1* | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Feb., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 5 | 4 | 1 | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 7 | 1 | 1 | 3 | 5 | 2 | - | - | - | - | 8 | 9 | 8 | 6 | 7 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 5 | - | - | 1 | 2 | 1 | - | - | - | - | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 8 | 7 | 4 | 1 | 1 | - | 1 | - | - | - | 5 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 8 | 6 | 6 | 7 | 7 | 5 | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9 | 9+ | 9 | 9 | 9 | 8 | 2 | 2* | - | - | - | - | 5 | 7 | 7 | 7 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 2* | - | - | 9 | 8 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | - | 9+ | 9+ | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | 8 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| HC = 10 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 5 | 4 | 2* | - | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5* | 5* | 3* | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 6* | 5* | 2* | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 3 | 1 | 1 | 1 | - | - | - | - | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 |
| I = 15 | 9+ | 9+ | 9 | 4 | - | - | 3* | 5 | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 7 | 6 | 8 | 9+ | 9+ |
| UA3 = 16 | - | - | - | - | 5* | 4* | 2* | 6 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | - | - | - | - | - |
| UN = 17 | 1* | - | 1* | 6 | 9 | 5 | 1 | 8 | 6 | 5 | 6 | 6 | 6 | 6 | 8 | 9 | 8 | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 1* | 1* | 2* | 8 | 2* | 2* | 8 | 7 | 6 | 7 | 5 | 5 | 6 | 8 | 7 | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 7 | 9 | 8 | 7 | 7 | 4* | 3* | 7 | 7 | 7* | 7 | 5 | 1* | - | - | - | - | - | - | - | 3* | 3* | 2* |
| 4X = 20 | 9+ | 9+ | 9 | 1* | 5* | 4* | 2* | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 5 | 2* | 3* | 4 | 1 | 8 | 8 | 6 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | 1* | 2* | 7 | 9 | 6 | 4 | 7 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 2 |
| JT = 23 | 1* | 1* | 3 | 9 | 8 | 2* | 2* | 7 | 7 | 6 | 5 | 6 | 5 | 6 | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 3 | 9 | 8 | 7 | 7 | 2 | 3* | 4 | 2 | 7* | 6* | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 5 | 1* | 2* |
| JA1 = 25 | 9 | 8 | 7 | 7 | 6 | 5* | 5* | 7 | 7* | 8* | 7* | 5* | 4* | 2* | 2* | 2* | 2* | - | - | - | - | 4* | 3* | 9 |
| HS = 26 | 4* | 8 | 9 | 8 | 5 | 1* | 1 | 5 | 5 | 6* | 6 | 6 | 7 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4 |
| DU = 27 | 9 | 9 | 8 | 7 | 5 | 4* | 5* | 5 | 5 | 8* | 7* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 2* | 4* |
| YB = 28 | 8 | 8 | 7 | 5 | 1* | 1* | 1* | 4 | 4 | 6* | 6* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |
| VK6 = 29 | 4* | 8 | 7 | 2 | 1 | 1* | 1 | 6 | 5 | 6* | 5 | 4 | 2 | 1 | 1 | 2* | 4* | 5* | 5* | 2* | - | - | 4* | 4* |
| VK3 = 30 | 5 | 6 | 5 | 3 | 3* | 3* | 1 | 5 | 6* | 5 | 5 | 4* | 2* | 1* | 1* | 2* | 4* | 5* | 5* | 5* | 6* | 6* | 5* | 4 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2* | 3* | 6 | 4* | 4* | 2* | 2* | 3* | 1* | 1 | 6 | 5 | 8* | 7* | 5 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 6 | 9 | 8 | 8 | 8 | 6 | 4 | 4* | 5* | 7* | 7* | 8* | 9* | 8* | 7* | 6* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 8 | 7 | 7 | 8 | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 1 | 5* | 4* | 2* | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 6* | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 8 | 4 | 4* | 6* | 4* | 1* | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 3* | - | 5 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 1 |
| FR = 39 | 5 | 1* | 4* | 4* | 2* | 1* | 5 | 8 | 7 | 6 | 8 | 7 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| FJL = 40 | - | 1* | 2* | 3* | 2* | 1* | 2* | 5* | 6* | 8 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 7 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Feb., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 4 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 7 |
| VO2 = 02 | 3 | - | - | - | 1 | - | - | - | - | - | 4 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 6 |
| W6 = 03 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 8 | 5 | 2 | 2 | 2 | 2 | 1 | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 9 | 9 | 8 | 6 | 2 | - | 1* | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4* | 1* | - | - | 5 | 8 | 8 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 8 |
| VP2 = 08 | 8 | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | 7 | 9+ | 9 | 9 | 8 | 6 | 7 | 7 | 8 | 7 | 6 | 5 | 5 | 7 |
| P4 = 09 | 7 | 9 | 9+ | 9+ | 9 | 5 | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 5* | 4 |
| HC = 10 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4* | 5* | 4* | - | 9 | 9 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5* | 1 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 5* | 4* | 2* | 3 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | 5* | 2* | 1* | 5 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 6 | 2 | 2 |
| I = 15 | 9 | 8 | 6 | - | - | - | - | 1* | 9+ | 9 | 9 | 8 | 8 | 8 | 5 | 5 | 7 | 6 | 2 | 1 | - | 1 | 7 | 9+ |
| UA3 = 16 | - | - | - | - | 2* | 1* | - | 1 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 1 | - | - | - | - | - |
| UN = 17 | - | 2* | 2* | 4 | 8 | 2* | 1* | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 2 | - | - | - | - | - | - | - |
| UA9 = 18 | 2* | 2* | 2* | 3* | 4 | 1* | - | 6 | 8 | 7 | 8 | 7 | 7 | 8 | 7 | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 3* | 8 | 9 | 8 | 7 | 1* | - | 4 | 8 | 8 | 7 | 2* | - | - | - | - | - | - | - | - | 1* | 4* | 4* | 4* |
| 4X = 20 | 9+ | 9+ | 5 | - | 5* | 4* | 1* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 7 | 9 | 9+ |
| HZ = 21 | 9 | 9 | - | 5* | 4* | 3* | 1* | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | 3* | 2* | 4* | 9 | 2 | 1* | 6 | 7 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 5 | - |
| JT = 23 | 2* | 2* | 3* | 8 | 7 | 1* | - | 4 | 7 | 7 | 7 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 5* | 8 | 9 | 8 | 6 | 4* | 3* | 5 | 5 | 5 | 7* | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 7 | 1 | - | 4* |
| JA1 = 25 | 9 | 8 | 8 | 7 | 5 | 3* | 1* | 6 | 8 | 7 | 7* | 5* | 3* | 2* | 2* | 2* | 2* | - | - | - | - | 5* | 5* | 6 |
| HS = 26 | 5* | 5* | 9 | 7 | 2* | 2* | 2* | 4 | 7 | 7 | 7 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2* |
| DU = 27 | 8 | 9 | 8 | 7 | 4* | 5* | 5* | 5 | 7 | 7 | 8* | 7 | 4 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | - | 4* | 5* |
| YB = 28 | 5* | 7 | 5 | 2* | 1* | 1* | 1* | 2 | 4 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4* |
| VK6 = 29 | 5* | 4* | 2 | 2* | 1* | 1* | - | 5 | 5 | 6* | 6* | 5* | 3* | 2* | 2* | 2* | 4* | 2* | 1* | - | - | - | 1* | 5* |
| VK3 = 30 | 3* | 1 | 1 | 2* | 3* | 1* | - | 1 | 2* | 6* | 4* | 4* | 3* | 2* | 2* | 2* | 4* | 4* | 2* | 1* | 2* | 6* | 6* | 5* |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 8 | 2 | 3* | 5* | 5* | 4* | 4* | 3* | 2* | 4* | - | - | 7 | 7 | 8* | 8* | 6* | 5 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 8 | 6 | 6* | 7* | 8 | 8 | 7 | 5 | 4* | 5* | 6* | 6* | 6 | 6 | 8* | 7* | 6 | 6 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 1 | - | - | - | 5 | 9+ | 9 | 9 | 5 | 2 | 1 | 2 | 3 | 3* | 4* | 9+ | 9+ | 3 | 8 | 9+ |
| SU = 34 | 9+ | 9+ | 9 | - | 4* | 5* | 1* | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 5 | 4 | 6 | 8 | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 8 | 6 | 6* | 6* | 6* | 5 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 2 | 5* | 4* | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 4 | - | 4* | 5* | 4* | 2* | 3 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 3* | 2* | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 4 | 1 | - | - |
| FR = 39 | - | - | 4* | 5* | 2* | 1* | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 |
| FJL = 40 | - | 1* | 3* | 2* | 1* | - | - | 1* | 6* | 5 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Mar., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| W6 = 03 | - | - | - | - | 2 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 5 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 3 | 3 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 2 | 3 | 3 | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 6 | 5 | 4 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 5 | 5 | 4 | 3 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| HC = 10 | 2 | 3 | 2 | 3 | 2 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 |
| CE = 12 | 3 | 3 | 3 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 5 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| G = 14 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| I = 15 | 5 | 3 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| UA3 = 16 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 2 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 |
| HZ = 21 | 2 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | 4 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 4 | 2 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 | 4 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| FR = 39 | 5 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 5 |
| FJL = 40 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Mar., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| W6 = 03 | - | - | 1 | 2 | 5 | 1 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 6 | 7 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 8 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | 1 | 4 | 6 | 6 | 6 | 2 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 5 | 6 | 6 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 9 | 9 | 8 | 7 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 8 | 8 | 7 | 6 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 |
| HC = 10 | 5 | 6 | 5 | 6 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9 |
| CE = 12 | 6 | 6 | 6 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| LU = 13 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| G = 14 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 |
| I = 15 | 8 | 6 | 6 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 5 |
| UN = 17 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 7 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 |
| HZ = 21 | 5 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 7 |
| VU = 22 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 5 | 1 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - |
| VK3 = 30 | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 |
| SU = 34 | 7 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 7 | 7 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 |
| FR = 39 | 8 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 |
| FJL = 40 | 6 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Mar., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 4 | 5 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 |
| W6 = 03 | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | - |
| W9 = 04 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 |
| HC = 10 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ |
| CE = 12 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 |
| LU = 13 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 8 |
| UN = 17 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 7 | 8 | 8 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 4 | 1 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 6 | 2 | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 5 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 1 | 5 | 6 | 6 | 5 | 1 |
| YB = 28 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 6 | 5 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 7 | 6 |
| VK3 = 30 | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 1 | - | - |
| KH6 = 31 | - | - | - | - | 5 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| KH8 = 32 | - | - | - | - | - | 2 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | - | - | 1 | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 9 | 8 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 9 |
| FJL = 40 | 8 | 9 | 9 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Mar., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 4 | 7 | 7 | 7 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 2 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 |
| W6 = 03 | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 8 | 2 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 |
| LU = 13 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 9 | 9 | 8 | 8 |
| UN = 17 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 9 |
| UA9 = 18 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 4 |
| 4X = 20 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 7 | 8 | 8 | 7 |
| JT = 23 | 6 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 7 | 6 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 6 | 1 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 7 | 7 | 7 | 7 |
| DU = 27 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - | 1 | 5 | 7 | 7 | 6 | 6 | 6 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 | 7 | 7 |
| VK6 = 29 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 | 1 | - |
| KH6 = 31 | - | - | 1 | 5 | 6 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| KH8 = 32 | - | - | - | - | 4 | 6 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 3 | 1 | 1 | 1 | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Mar., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | 1 | 2 | 9 | 7 | 7 | 8 | 6 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 3 | - | - | - | - | 1 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | 1 | 1 | 3 | 6 | 8 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 2 | 4 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 4 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | 1 | 2 | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 | - | - | - | - | - | 3 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| UA9 = 18 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 7 | 4 | 2 | 3 | 2 | 1 | 1 | 2* | 8 | 2* | 1* | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 1 | - | - | - | - | 1 | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | - | 1 | 1* | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 8 | 5 | 1 | - | - | - | - | 2* | 2* | 1* | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 5 | 2 | - | - | - | - | 3* | 5* | 5* | 4* | 1* | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1* | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 2 | - | - | - | - | 2* | 3* | 4* | 1* | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 8 | 7 | 3 | - | - | - | - | - | 1* | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | 1* | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 8 | 6 | 5 | 8 |
| VK3 = 30 | 5 | 3 | 2 | 1 | - | 1 | 2 | 5 | 8 | 1 | - | - | - | - | - | - | 1 | 5 | 4 | 5 | 7 | 8 | 8 | 8 |
| KH6 = 31 | 1 | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 1* | 4* | 5* | 4* | 1* | - | - | - |
| KH8 = 32 | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 2* | 5* | 6* | 5* | 3* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 2 | 1 | - | 1 | 2 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 1 | - | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | 1 | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9 | 7 | 6 | 9 | 9+ | 9 | 8 | 3 | 1 | 1 | 1 | 1 | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9 | 8 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Mar., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 2 | 1 | - | - | - | - | 4 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 2 | 1 | - | - | 2* | 2 | 2 | 4 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | 8 | 5 | 2 | 1 | - | 1 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 2 | 2 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | - | 7 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 5 | 7 | 8 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9 | 8 | 6 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9 | 8 | 6 | 4 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 8 | 5 | 3 | 2 | 1 | 2 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 2 | - | 1 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | 2 | 3 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9 | 8 | 5 | 4 | 3 | 2 | 3 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9 | 8 | 5 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9 | 9 | 6 | 8 | 9 | 9 | 9 | 8 | 4 | 2 | 1 | 2 | 3 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 8 | 9 | 9 | 9 | 8 | 5 | 4 | 1 | - | 1 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UA9 = 18 | - | 2 | 8 | 9 | 9 | 8 | 7 | 6 | 4 | 9 | 1 | - | - | - | 1 | 4 | 7 | 9 | 9 | 8 | 8 | 8 | 6 | 2 |
| UA0 = 19 | 8 | 8 | 8 | 7 | 6 | 7 | 7 | 6* | 6* | 6* | 4* | 1* | - | - | 1 | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 6 | 3 | 2 | 2 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 1 | 1 | 1 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ |
| JT = 23 | 8 | 9 | 9 | 8 | 7 | 5 | 4 | 2 | 4 | 8 | 2* | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 3 |
| VR2 = 24 | 9 | 9 | 8 | 5 | 2 | - | - | 3* | 5* | 8 | 4* | 1* | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 |
| JA1 = 25 | 8 | 6 | 5 | 4 | 3 | 4 | 5* | 7* | 8* | 7* | 5* | 1* | - | - | 1 | 2 | 7 | 8 | 9 | 8 | 8 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 5 | 1 | - | 1* | 1 | 2* | 2* | 1* | - | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 7 | 3 | 1 | - | 2* | 4* | 8 | 8 | 5* | 2* | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| YB = 28 | 9 | 9 | 9 | 7 | 1 | - | - | - | 3* | 3* | 2* | 1* | - | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| VK6 = 29 | 8 | 9 | 8 | 7 | 5 | 3 | 3 | 4 | 3 | 9 | 2* | 1 | 1 | 1 | 1 | 2 | 4 | 2 | 3* | 3* | 3* | 2* | 1* | 1* |
| VK3 = 30 | 8 | 8 | 5 | 4 | 5 | 4 | 5 | 7 | 6 | 5 | 4* | 1 | 1 | - | - | - | 2* | 4* | 5* | 6* | 4* | 6 | 8 | 8 |
| KH6 = 31 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 3 | - | - | 1* | 5* | 8 | 8 | 7* | 5* | 2 | 2 | 2 |
| KH8 = 32 | - | 1 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | 5* | 8* | 8* | 8* | 7* | 5* | 1* | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9 | 8 | 8 | 6 | 5 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9 | 8 | 6 | 4 | 3 | 3 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9 | 6 | 2 | 1* | 2* | 2* | 9 | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 4 | 6 | 9 | 8 | 8 | 6 | 3 | 3 | 1 | 2 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FJL = 40 | - | 1* | 1* | 2* | 2* | 4* | 6 | 8 | 8 | 8 | 6 | 4 | 1 | 1 | 1 | 3 | 8 | 9 | 9 | 9 | 9 | 6 | 2 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Mar., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 8 | 9 | 8 | 7 | 4 | 6* | 4* | 1* | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | 9 | 9 | 9 | 7 | 5 | 2 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 1* | - | - | 4 | 3 | 2 | 8 | 6 | 2 | 7 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | - | 6 | 7 | 4 | 2 | 2 | 9 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 9 | 9 | 7 | 4 | 5 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 8 | 5 | 1* | - | 7 | 4 | 3 | 3 | 4 | 4 | 6 | 7 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 4 | 1 | 8 | 7 | 5 | 4 | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2* | 1 | 8 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 2 | 1* | 9+ | 9 | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 1 | 9 | 8 | 7 | 6 | 4 | 4 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 | 2 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9 | 8 | 6 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 8 | 6 | 2 | 6 | 9+ | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 7 | 5* | 7 | 9+ | 9 | 9 | 7 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 8 | 4 | 2* | 4* | 9 | 8 | 9 | 8 | 7 | 6 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UN = 17 | 6 | 5 | 8 | 9 | 9 | 8 | 8 | 6 | 4 | 4 | 8 | 2 | 2 | 2 | 4 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 8 |
| UA9 = 18 | - | - | 2 | 9 | 8 | 7 | 7 | 7 | 5 | 4 | 5 | 2 | 1 | 2 | 4 | 6 | 9 | 9 | 5 | 1 | - | - | 1* | - |
| UA0 = 19 | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 7* | 7* | 5* | 3* | 1 | 1 | 1 | 2 | 3* | 4* | 4* | 5* | 4* | 2* | 1 | 7 |
| 4X = 20 | 9+ | 9+ | 9+ | 9 | 5 | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 8 | 9 | 8 | 8 | 8 | 7 | 4 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 6 | 9 | 9 | 8 | 8 | 5 | 4 | 2 | 1 | 8 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9+ |
| JT = 23 | 1 | 7 | 9 | 9 | 8 | 6 | 6 | 6 | 5 | 4* | 5 | 2 | 2 | 3 | 4 | 7 | 8 | 7 | 3* | 1 | 2 | 1 | 1* | - |
| VR2 = 24 | 9 | 9 | 8 | 6 | 4 | 1 | 2 | 4* | 6* | 6* | 6 | 1* | - | 1 | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 6 |
| JA1 = 25 | 8 | 7 | 6 | 5 | 5 | 5 | 6* | 7* | 8* | 8* | 6* | 1* | 1 | 1 | 1 | 4 | 4 | 5 | 4 | 2 | 2 | 5 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 6 | 3 | 3 | 3 | 8 | 7 | 7 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 7 | 5 | 2 | 1 | 3* | 6 | 7* | 7* | 7 | 5* | 2 | 2 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| YB = 28 | 9 | 9 | 9 | 7 | 2 | - | 1 | 1 | 7 | 5 | 6 | 4* | 3 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 |
| VK6 = 29 | 2 | 9 | 8 | 5 | 2 | 1 | 3 | 6 | 5 | 5 | 6 | 4 | 3 | 3 | 1 | - | 1* | 4* | 4* | 4* | 2* | 2* | 2* | 1* |
| VK3 = 30 | 8 | 8 | 6 | 4 | 2 | 3* | 4 | 8 | 7 | 5 | 4 | 3 | - | - | - | - | 2* | 5* | 6* | 6* | 6* | 4* | 5 | 7 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 9 | 9 | 8 | 7 | 2 | - | - | 4* | 4 | 5 | 7* | 8* | 6* | 5 | 4 | 6 |
| KH8 = 32 | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 2 | 1 | 4* | 6* | 8* | 8* | 8* | 7* | 6* | 2* | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 1 | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 5 | 9 | 9 | 9+ | 9 | 8 | 6 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 4* | 2 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 5 | - | - | - | 2* | 3* | 3 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 6 | 4 | 2* | 3* | 7 | 6 | 8 | 8 | 6 | 5 | 5 | 5 | 6 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 | 7 |
| FJL = 40 | 1* | 1* | 1* | 2* | 3* | 3* | 4* | 6 | 8 | 8 | 7 | 5 | 4 | 2 | 3 | 5 | 8 | 9 | 9 | 8 | 2 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Mar., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 4 | 2 | 5 | 1 | 1 | - | 5* | 1* | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 8 | 8 | 7 | 8 | 8 | 7 | 5 | 2 | - | 5 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 4 | 2 | - | - | - | - | 6 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 8 | 8 | 7 | 5 | 1 | 1 | 1 | - | - | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 4 | - | 6 | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 4* | 4* | 3* | 1* | - | 8 | 7 | 7 | 7 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 4* | 3* | - | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| P4 = 09 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 2* | - | - | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9 | 8 | 8 |
| HC = 10 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 4 | 5 | 2* | 5 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 7 | 1* | 9 | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5* | 5 | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 7 | 6 | 4 | 1 | - | 1 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 8 | 2 | - | 3* | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 8 | 6 | 7 | 9 | 9+ |
| UA3 = 16 | 5 | 4 | - | 1* | 4* | 4 | 3 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 6 |
| UN = 17 | 1 | 1 | 4 | 8 | 9 | 6 | 7 | 7 | 5 | 4 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 8 | 7 | 4 | 3 | 6 | 5 | 3 |
| UA9 = 18 | - | 1* | 1* | 6 | 9 | 4 | 3 | 8 | 7 | 6 | 5 | 5 | 5 | 5 | 6 | 8 | 8 | 5 | - | - | - | - | - | 1* |
| UA0 = 19 | 7 | 9 | 8 | 8 | 8 | 5 | 4 | 8 | 8* | 7* | 6* | 6 | 5 | 4 | 1 | 2* | 2* | 2* | 2* | 2* | 5* | 5* | 2* | 1 |
| 4X = 20 | 9+ | 9+ | 9+ | 3 | 3* | 4 | 5 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 7 | 8 | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 4 | 8 | 5 | 5 | 9 | 8 | 6 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| VU = 22 | 4 | 1* | 6 | 9 | 9 | 6 | 6 | 7 | 6 | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| JT = 23 | 1* | 1* | 8 | 9 | 8 | 3 | 4 | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 7 | 6 | 1* | - | - | - | - | 1* | 1* |
| VR2 = 24 | 8 | 8 | 8 | 7 | 6 | 2 | 4 | 4 | 5* | 7* | 6* | 5* | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 2 | 2* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 6 | 5* | 5* | 6 | 8* | 8* | 7* | 5 | 5 | 3 | 2* | 3* | 4* | 4* | 1* | - | 4* | 4* | 6 | 9 |
| HS = 26 | 8 | 9 | 9 | 8 | 6 | 1 | 2 | 6 | 5 | 6* | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 9 | 8 | 8 | 8 | 5 | 4* | 5* | 6* | 6* | 8* | 7* | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 2 | 7 |
| YB = 28 | 8 | 9 | 8 | 5 | 1* | 1* | 1 | 4 | 4 | 6* | 5 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 |
| VK6 = 29 | 2* | 5 | 5 | 1 | 1* | 1* | 1 | 6 | 6 | 5 | 6 | 5 | 4 | 1 | 1* | 2* | 2* | 4* | 3* | 1* | - | 2* | 3* | 2* |
| VK3 = 30 | 6 | 6 | 3 | 1 | 2* | 3* | 2 | 7 | 7* | 5 | 4 | 5* | 2* | 1* | 1* | 2* | 4* | 5* | 4* | 5* | 6* | 5* | 3* | 4 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | 4 | 9 | 8 | 6 | 2* | 2* | 4* | 4* | 6 | 5 | 6 | 8* | 7* | 6 | 6 | 6 |
| KH8 = 32 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 4* | 5* | 7* | 7* | 8* | 9* | 7* | 6* | 6* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 2* | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9 | 8 | 8 | 8 | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 7 | 5* | 4 | 5 | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 6 | 7 | 9 | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 2* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 5* | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 4* | 5* | 5* | 2 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 4* | - | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 4 |
| FR = 39 | 1 | - | 4* | 4* | 2* | 1* | 6 | 8 | 7 | 7 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 7 | 2 |
| FJL = 40 | - | 1* | 2* | 2* | 2* | 1* | 1* | 2* | 6* | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 8 | 8 | 5 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Mar., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 1* | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | 5* | 6* | 5* | 5 | 3 |
| VO2 = 02 | 6 | 5 | 4 | 4 | 4 | 3 | 1 | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 9 | 8 | 5 | 1 | 1 | 1* | 1 | 1 | - | - | - | - | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9 | 8 | 7 | 5 | 4 | 3 | - | - | - | - | - | - | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 8 | 7 | 8 | 8 | 8 | 1 | - | - | - | - | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| XE1 = 06 | 8 | 9 | 9 | 9 | 9 | 8 | 1 | 4* | 4* | 1* | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4* | 5* | 1* | - | 8 | 8 | 9 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| VP2 = 08 | 7 | 9+ | 9+ | 9+ | 9 | 2 | - | - | - | - | 9+ | 9+ | 9 | 7 | 6 | 6 | 7 | 9 | 9 | 8 | 7 | 6 | 5 | 5 |
| P4 = 09 | 5 | 8 | 9+ | 9+ | 9 | 5 | - | - | - | - | 5 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 5* | 5* |
| HC = 10 | 9 | 9+ | 9+ | 9 | 9 | 9 | 6 | 5* | 5* | 3* | 1* | 7 | 8 | 9 | 9 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9+ | 2 | 7 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 4* | 2 | - | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2 | 1* | - | - | 7 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 4 | 3 | 1 | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6 |
| I = 15 | 9 | 9+ | 9 | 5 | - | - | 1* | 4 | 9+ | 9 | 9 | 8 | 5 | 5 | 5 | 6 | 7 | 7 | 3 | 2 | 1 | 1 | 4 | 7 |
| UA3 = 16 | 1 | - | - | - | 3* | 2* | 1* | 4 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | 3 | 1 |
| UN = 17 | - | 1* | 2* | 7 | 8 | 3 | 3 | 8 | 6 | 5 | 6 | 6 | 7 | 7 | 8 | 9 | 8 | 6 | 1 | - | - | 1 | 1 | - |
| UA9 = 18 | 2* | 2* | 2* | 2* | 8 | 1 | 1 | 8 | 8 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 5 | - | - | - | - | - | - | 1* |
| UA0 = 19 | 2 | 8 | 8 | 8 | 7 | 1 | 1 | 8 | 8 | 7 | 7 | 6 | 5 | 2* | 1* | 1* | 1* | 1* | - | - | 3* | 5* | 4* | 3* |
| 4X = 20 | 9+ | 9+ | 9 | 1* | 6* | 4* | 2* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | 4 | 2 | 2 | 6 | 9 |
| HZ = 21 | 9 | 9 | 6 | 3* | 5 | 3* | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 |
| VU = 22 | 1* | 2* | 2* | 9 | 8 | 2 | 3 | 8 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9 | 6 |
| JT = 23 | 2* | 2* | 4 | 9 | 7 | 1* | 1 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | 2* | 2* |
| VR2 = 24 | 6 | 9 | 8 | 8 | 6 | 3* | 4* | 6 | 5 | 7* | 7* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 3* | 4* |
| JA1 = 25 | 8 | 8 | 7 | 7 | 5 | 4* | 4* | 6 | 6 | 8* | 8* | 6 | 4 | 2* | 2* | 3* | 4* | 3* | - | - | 2* | 5* | 4* | 8 |
| HS = 26 | 5* | 8 | 9 | 8 | 3 | 2* | 2* | 6 | 6 | 6 | 7 | 7 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| DU = 27 | 9 | 9 | 9 | 8 | 4 | 5* | 5* | 6 | 6 | 8* | 8* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 4* | 5* |
| YB = 28 | 6 | 8 | 6 | 2* | 2* | 1* | - | 4 | 4 | 6* | 7* | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 4* | 3* |
| VK6 = 29 | 3* | 2* | 2* | 1* | 1* | 1* | - | 4 | 6 | 7* | 6 | 5* | 3* | 2* | 1* | 2* | 2* | 1* | - | - | - | - | 4* | 4* |
| VK3 = 30 | 2 | 5 | 1 | 1* | 3* | 1* | - | 1 | 7* | 5* | 5* | 4* | 3* | 2* | 1* | 2* | 3* | 3* | 2* | 2* | 5* | 6* | 5* | 3* |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 8 | 1 | 4* | 5* | 9 | 7 | 4 | 3* | 3* | 4* | 3* | 6 | 7 | 6 | 8* | 8* | 6* | 5 | 5 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 6* | 9 | 9 | 8 | 5 | 4* | 5* | 6* | 6* | 6 | 6 | 8* | 6 | 6 | 6 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 4 | - | - | - | 9+ | 9+ | 9 | 9 | 5 | 4 | 9 | 3 | 5 | 5 | 5* | 9+ | 9+ | 4 | 6 | 8 |
| SU = 34 | 9+ | 9+ | 9+ | 1 | 6* | 4* | 2* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | 2 | 1 | 1 | 5 | 8 |
| 6W = 35 | 9 | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 6* | 6* | 5 | 6 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 6 | 6* | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 5 | 5* | 5* | 4* | 2* | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | 2* | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 2 | 3 | - |
| FR = 39 | - | - | 3* | 4* | 3* | 1* | 2 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 7 | 3 | - |
| FJL = 40 | - | - | 1* | 1* | 1* | - | - | - | 6* | 3* | 5 | 6 | 6 | 5 | 5 | 6 | 5 | 2 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Apr., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 5 | 5 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W6 = 03 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 4 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 2 | 3 | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 6 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 6 | 5 | 4 | 3 | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| HC = 10 | 4 | 4 | 3 | 1 | 3 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 6 | 6 | 6 | 9 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 |
| CE = 12 | 3 | 1 | 2 | 2 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 2 | 4 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| G = 14 | 4 | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 5 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 |
| UA3 = 16 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 4 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| HZ = 21 | - | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 3 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| SU = 34 | 4 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 4 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 4 | 4 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| FR = 39 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Apr., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 8 | 8 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W6 = 03 | - | - | - | 1 | 3 | 2 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 5 | 7 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | 1 | 4 | 6 | 7 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 5 | 6 | 4 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 9 | 8 | 7 | 6 | 6 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 |
| HC = 10 | 7 | 7 | 6 | 4 | 6 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 |
| CE = 12 | 6 | 4 | 5 | 5 | 5 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| LU = 13 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| G = 14 | 7 | 6 | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 |
| I = 15 | 8 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 |
| UA3 = 16 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 7 | 5 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 |
| HZ = 21 | 2 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 6 | 6 |
| VU = 22 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 7 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | 3 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 2 | - |
| VK3 = 30 | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| SU = 34 | 7 | 5 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 7 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 7 | 7 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| FR = 39 | 6 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 6 | 7 | 8 |
| FJL = 40 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Apr., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | 1 | 4 | 5 | 6 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 |
| W6 = 03 | - | 2 | 5 | 8 | 7 | 7 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 |
| W9 = 04 | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 |
| HC = 10 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | - | - | - | 3 | 7 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 9 | 9 | 8 |
| UN = 17 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 8 | 9 | 8 |
| UA9 = 18 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 7 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 5 | 6 | 4 | 2 | - |
| 4X = 20 | 9 | 8 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 8 |
| VU = 22 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 7 |
| JT = 23 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 7 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 7 | 2 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 6 | 4 | 1 | 7 |
| HS = 26 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 7 | 7 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - | 2 | 6 | 6 | 6 | 4 | 1 |
| YB = 28 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 6 | 5 |
| VK6 = 29 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 1 | - |
| KH6 = 31 | 6 | - | - | - | 2 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| KH8 = 32 | - | - | - | - | 1 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 9 |
| FJL = 40 | 8 | 8 | 8 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Apr., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 3 | 4 | 6 | 7 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 9 |
| W6 = 03 | 3 | 5 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 8 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | - | - | - | - | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 8 |
| UN = 17 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 7 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 3 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 6 | 7 |
| JT = 23 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 6 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 8 | 8 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 7 | 5 | 4 |
| HS = 26 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 7 | 7 | 7 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | - | 2 | 6 | 7 | 7 | 7 | 5 | 5 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 6 | 1 |
| KH6 = 31 | 6 | - | - | 4 | 6 | 7 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | - | 2 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 8 | 3 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Apr., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | 1 | 3 | 5 | 4 | 6 | 5 | 7 | 6 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 7 | 4 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| W9 = 04 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 1 | 3 | 5 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | 2 | 4 | 6 | 8 | 9 | 9 | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 2 | 4 | 7 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 4 | 1 | - | - | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 4 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | 1 | 4 | 5 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 1 | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 1 | - | - | - | - | - | 3 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| UN = 17 | 9 | 9 | 9 | 9 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| UA9 = 18 | 9 | 9 | 9 | 8 | 5 | 4 | 2 | 1 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| UA0 = 19 | 8 | 2 | 1 | 1 | 1 | 1 | 1 | 3* | 3* | 2* | 1* | - | - | - | - | - | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| JT = 23 | 9 | 8 | 6 | 5 | 2 | 1 | - | - | - | 1* | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| VR2 = 24 | 8 | 6 | 4 | 1 | - | - | - | - | 2* | 2* | 1* | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| JA1 = 25 | 4 | 1 | 1 | - | - | - | 2* | 5* | 5* | 5* | 1* | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | 1* | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 5 | 2 | - | - | - | - | 2* | 3* | 4* | 1* | - | - | - | - | 8 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| YB = 28 | 9 | 8 | 7 | 3 | - | - | - | - | - | 1* | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 9 | 9 | 7 | 5 | 1 | - | - | - | 1 | 1* | - | - | - | - | - | 3 | 5 | 4 | 6 | 9 | 9 | 8 | 2 | 7 |
| VK3 = 30 | 7 | 5 | 3 | 1 | 1 | 2 | 5 | 6 | 6 | 2 | - | - | - | - | - | - | 4 | 7 | 7 | 6 | 4 | 7 | 8 | 8 |
| KH6 = 31 | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 2* | 5* | 4* | 3* | 1* | - | - | - |
| KH8 = 32 | - | - | 2 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 2* | 5* | 8 | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 2 | 1 | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | 2 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9 | 7 | - | - | - | 9+ | 9 | 8 | 4 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 6 | 8 | 8 | 5 | 6 | 2 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| FJL = 40 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 5 | 2 | 1 | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Apr., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 3 | 2 | 1 | - | - | 2 | 4 | 8 | 7 | 8 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | 1 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 1 | - | 1 | 2* | 2 | 2 | 3 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | 1 | 2 | 4 | 5 | 7 | 7 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 3 | - | 1 | 4 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | 1 | 2 | 2 | 4 | 5 | 7 | 8 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 3 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 | 8 | 4 | 4 | 2 | 2 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9 | 6 | 5 | 1 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9+ | 9+ | 9 | 8 | 5 | 2 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 2 | 2 | 2 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 3 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 3 | 1 | 2 | - | 1 | 1 | 1 | 2 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA9 = 18 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 4 | 2 | 1 | 4 | - | - | - | 1 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| UA0 = 19 | 9 | 8 | 6 | 5 | 3 | 6 | 6 | 5 | 6* | 6* | 4* | 1* | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 3 | 4 | 2 | 3 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 4 | 4 | - | 1 | 3 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 4 | 1 | 1 | 1 | - | 2 | 1 | 1 | 2 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| JT = 23 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 2 | 2* | 9 | 2* | 1* | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| VR2 = 24 | 9 | 8 | 8 | 5 | 1 | - | - | 2* | 5* | 9 | 4* | 1* | - | - | 1 | 7 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| JA1 = 25 | 8 | 5 | 4 | 3 | 1 | 4* | 4* | 7 | 8* | 7* | 5* | 2* | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 5 | - | - | 1* | 3* | 2* | 2* | 1* | 1 | 1 | 2 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 6 | 2 | 1 | - | 2* | 4* | 6* | 8 | 5* | 3* | 1* | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| YB = 28 | 9 | 9 | 8 | 6 | - | - | - | 1* | 3* | 3* | 2* | 2* | 1 | 1 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 6 | 9 | 7 | 5 | - | - | 3 | 4 | 8 | 8 | 2* | 1 | 1 | 2 | 5 | 4 | 1* | 2* | 2* | 3* | 2* | 2* | 1* | 1* |
| VK3 = 30 | 8 | 7 | 6 | 5 | 2 | 1* | 4 | 8 | 7 | 6 | 5 | 3 | 1 | 1 | 1 | 1 | 2 | 4 | 4* | 5* | 3* | 2* | 8 | 9 |
| KH6 = 31 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | 2* | 5* | 8 | 8 | 6* | 5* | 1 | 2 | 2 |
| KH8 = 32 | 1 | 5 | 7 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 2 | 1 | - | 2* | 5* | 8* | 8* | 8* | 7* | 5* | 2* | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 5 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 5 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9 | 2 | 1 | 9+ | 9 | 8 | 5 | 4 | 3 | 3 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 6 | 2 | - | 1* | 2* | 2* | 6 | 9+ | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 7 | 6 | 1* | 4 | 1 | - | 8 | 7 | 3 | 3 | 3 | 3 | 5 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| FJL = 40 | 7 | 2 | 2* | 1* | 2 | 5 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | 1 | 1 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9 | 9 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Apr., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5* | 4* | 2* | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 2 | 1 | 4 | 5 | 3 | 2 | 8 | 6 | 5 | 6 | 6 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 8 | 7 | 4 | 4 | 4 | 9 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 9 | 7 | 4 | 3 | 4 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9 | 5 | 8 | 7 | 4 | 2 | 3 | 3 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 4 | 9 | 9+ | 9+ | 9 | 9 | 7 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 7 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 5 | 1* | 9+ | 9 | 8 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3* | 2 | 7 | 9+ | 9 | 9 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 4 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9 | 8 | 7 | 6 | 5 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 6 | 7 | 5 | 5 | 5 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 5 | 3 | 2 | 8 | 2 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UA9 = 18 | 5 | 7 | 9 | 9 | 8 | 7 | 8 | 7 | 6 | 5 | 5 | 2 | 1 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 5 |
| UA0 = 19 | 9 | 9 | 8 | 8 | 8 | 6 | 7 | 6 | 6* | 7* | 5* | 3* | 1 | 1 | 1 | 5 | 7 | 8 | 6 | 6* | 5 | 7 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9 | 9 | 8 | 6 | 6 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 8 | 5 | 5 | 2 | 4 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 4 | 2 | 1 | 8 | 1 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| JT = 23 | 9 | 9 | 9 | 8 | 8 | 4 | 6 | 6 | 5 | 5 | 5 | 2 | 2 | 3 | 3 | 6 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 |
| VR2 = 24 | 9 | 8 | 8 | 6 | 3 | 1 | 1 | 2* | 5 | 6* | 6 | 3* | 1 | 2 | 3 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| JA1 = 25 | 8 | 8 | 5 | 5 | 6 | 4* | 5 | 4* | 8* | 8* | 6* | 4* | 1 | 1 | 2 | 6 | 8 | 9 | 8 | 7 | 8 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 4 | - | 3 | 2 | 3* | 7 | 7 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 7 | 4 | 1 | - | 3* | 4* | 7* | 7* | 6 | 4* | 2 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 4 | - | - | 1 | 1 | 7 | 5 | 5 | 2 | 3 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 5 |
| VK6 = 29 | 1* | 7 | 3 | 1 | - | 1* | 2* | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 1* | 1* | 3* | 4* | 2* | - | 2* | 1* | 1* |
| VK3 = 30 | 8 | 6 | 4 | 2 | 1* | 2* | 4* | 8 | 8 | 7 | 5 | 4 | 2 | - | - | 1* | 2* | 4* | 4* | 5* | 5* | 4* | 4 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | 2* | 5* | 6 | 7* | 8* | 8* | 6* | 5* | 4 | 4 |
| KH8 = 32 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 7 | 5 | 2 | - | 3* | 7* | 8* | 8* | 8* | 8* | 6* | 5* | 4 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 9 | 9+ | 9 | 6 | 6 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 2* | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 3 | 4* | 2* | 9 | 9 | 9 | 7 | 6 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 5* | 3* | 1* | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 |
| FR = 39 | 3 | 1 | 2* | 3* | 2* | - | 8 | 8 | 6 | 5 | 5 | 6 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 |
| FJL = 40 | 1* | 1* | 2* | 2* | 2* | 1* | 3 | 7 | 8 | 7 | 6 | 6 | 3 | 2 | 2 | 6 | 7 | 9 | 9 | 9 | 9 | 7 | 3 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Apr., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 8 | 8 | 8 | 6 | 5 | 3 | 4* | 3* | 1* | - | - | - | - | - | - | - | 1* | 4* | 6* | 6* | 5 | 5 | 6 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 5 | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 4 | 2* | 1* | - | 3 | 6 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 7 | 7 | - | 4 | 8 | 7 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9 | 9 | 9+ | 9+ | 9 | 8 | 5 | 8 | 7 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 4* | 5 | 7 | 2* | 1* | 8 | 7 | 5 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 4* | 7 | 6 | 4 | 9 | 8 | 7 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1* | 2* | 3 | 8 | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1* | 5* | 3* | 2* | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 7 | 4* | 4* | 3* | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 4* | 3* | - | 6 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3* | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 7 | 5 | 6 | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 5 | 1 | 3 | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 8 | 7 | 6 | 8 | 9+ |
| UA3 = 16 | 8 | 8 | 6 | 4 | 6 | 2 | 5 | 9 | 8 | 8 | 7 | 6 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| UN = 17 | 7 | 7 | 8 | 9 | 8 | 2 | 7 | 8 | 6 | 6 | 5 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| UA9 = 18 | - | 1* | 5 | 9 | 8 | 3 | 6 | 7 | 6 | 5 | 4 | 5 | 5 | 5 | 6 | 7 | 9 | 9 | 9 | 5 | 1 | 1* | 1* | 1* |
| UA0 = 19 | 8 | 9 | 9 | 8 | 8 | 3 | 6 | 8 | 7 | 8* | 6 | 6 | 5 | 4 | 5 | 5 | 5* | 6* | 6* | 6* | 6* | 5* | 4 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 6 | 7 | 3* | 7 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 8 | 9 | 5 | 8 | 9 | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 8 | 9 | 9 | 8 | 2 | 7 | 5 | 4 | 5 | 5 | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| JT = 23 | 8 | 9 | 9 | 9 | 6 | 2* | 4 | 6 | 6 | 5 | 4 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 8 | 4 | 2 | 2* | 1 | 5 |
| VR2 = 24 | 9 | 8 | 8 | 8 | 4 | 2* | 4 | 4 | 3 | 7* | 6* | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 7 | 8 |
| JA1 = 25 | 8 | 8 | 8 | 8 | 6 | 4* | 3 | 6 | 7* | 8* | 7* | 5 | 5 | 4 | 5 | 6 | 8 | 6 | 5* | 5* | 5* | 8 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 1 | 1* | 4 | 5 | 4 | 6* | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 8 | 7 | 3* | 4* | 4 | 4 | 4 | 8* | 7* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 7 | 9 | 7 | 2* | 1* | 1* | 1 | 4 | 3 | 6* | 5* | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 3* | 2* |
| VK6 = 29 | 2* | 2* | 1* | 1* | 1* | 2* | 1* | 7 | 7 | 6 | 6 | 5 | 6 | 6 | 2 | 1* | 2* | 2* | 2* | - | - | 1* | 4* | 2* |
| VK3 = 30 | 6 | 2 | 1 | 1* | 2* | 3* | 4* | 5 | 8 | 7 | 6 | 4* | 2* | 1* | 1* | 1* | 3* | 2* | 1* | 2* | 5* | 5* | 4* | 7 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 9 | 6 | 3* | 9 | 9 | 9 | 8 | 6 | 2* | 4* | 5* | 5 | 5 | 8* | 8* | 7* | 6 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 7 | 5* | 8 | 9 | 9 | 8 | 5 | 3* | 4* | 5* | 7* | 8* | 8* | 9* | 8* | 7* | 5 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | 8 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 8 | 8 | 8 | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 6 | 3* | 6 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 2 | 5* | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 5* | 5* | 4* | 4 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 5* | 4* | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | - |
| FR = 39 | - | - | 4* | 4* | 3* | 1* | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - |
| FJL = 40 | - | 1* | 2* | 1* | 1* | - | - | 1 | 5* | 6 | 6 | 5 | 5 | 5 | 5 | 6 | 8 | 8 | 8 | 6 | 2 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Apr., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 5* | 5* | 5* | 3* | 1 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | - | 4 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 4* | 2 | 1 | 1* | - | - | - | 4 | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 8 | 8 | 8 | 8 | 7 | 2 | 1 | 2 | 2 | - | - | 7 | 7 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | 6 | - | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 9 | 9 | 9 | 9 | 8 | - | 5* | 5* | 5* | 2* | - | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 5* | 5* | 4* | 1* | 9 | 8 | 9 | 8 | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 8 | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 8 | 8 | 6 | 5 |
| P4 = 09 | 6 | 9 | 9+ | 9+ | 9 | 4 | - | 3* | 1* | 1* | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 8 | 8 | 5 | 5* |
| HC = 10 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 5* | 5* | 4* | 4 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 5 | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2* | 1* | - | - | - | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 2* | - | - | - | 9 | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 8 | 6 | 2 | 1 | - | 6 | 9+ | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| I = 15 | 9 | 9+ | 9+ | 7 | 1 | - | - | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 6 | 4 | 1 | 1 | 3 | 7 |
| UA3 = 16 | 5 | 5 | - | 2* | 1* | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 7 |
| UN = 17 | 3 | 3 | 6 | 9 | 5 | 2* | 5 | 8 | 6 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 6 | 6 | 4 |
| UA9 = 18 | 2* | 3* | 4* | 7 | 6 | - | 4 | 9 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 8 | 4 | - | - | - | 2* | 2* |
| UA0 = 19 | 7 | 8 | 8 | 8 | 6 | - | 2 | 8 | 7 | 8* | 7 | 6 | 5 | 4 | 2 | 3* | 5* | 5* | 5* | 4* | 5* | 5* | 5* | 4* |
| 4X = 20 | 9+ | 9+ | 9 | 5* | 5* | 4* | 1 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 8 | 6 | 4 | 5 | 8 | 9+ |
| HZ = 21 | 9 | 9 | 8 | 6 | 7 | 2* | 8 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 5 | 3 | 8 | 9 | 5 | 2* | 5 | 7 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| JT = 23 | 3 | 8 | 8 | 8 | 2 | 1* | 1 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 6 | 1 | - | - | 2* | 2* | 2* |
| VR2 = 24 | 8 | 9 | 8 | 8 | 2* | 3* | 3 | 5 | 5 | 7* | 7* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 4 | 5 |
| JA1 = 25 | 8 | 8 | 8 | 7 | 4 | 2* | 1 | 8 | 6 | 8* | 8* | 6 | 5 | 3* | 2 | 4* | 5* | 6* | 4* | 3* | 5* | 5* | 9 | 8 |
| HS = 26 | 7 | 9 | 9 | 8 | 2* | 2* | 2 | 6 | 5 | 6 | 6* | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| DU = 27 | 9 | 9 | 9 | 7 | 3* | 4* | 4* | 6 | 5 | 8* | 8* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 |
| YB = 28 | 4* | 8 | 4 | 2* | 1* | 1* | - | 4 | 5 | 7* | 6 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 2 | 4* | 3* |
| VK6 = 29 | 3* | 3* | 2* | 1* | 1* | 2* | - | 5 | 8 | 7 | 7 | 6 | 6 | 5 | 1* | 1* | 1* | - | - | - | - | - | 5* | 4* |
| VK3 = 30 | 2 | 1* | 1* | 2* | 3* | 4* | 1* | - | 7 | 6 | 5* | 4* | 2* | 1* | 1* | 1* | 2* | 1* | - | - | 4* | 5* | 5* | 4 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 8 | 1 | 5* | 6* | 9 | 9 | 7 | 3* | 3* | 4* | 5* | 7 | 7 | 7 | 8* | 7* | 6 | 5 | 5 |
| KH8 = 32 | 7 | 8 | 9 | 9 | 9 | 8 | 2 | 6* | 6* | 9 | 8 | 7 | 5* | 4* | 5* | 6* | 7* | 7 | 7 | 9* | 7 | 7 | 6 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 4 | - | - | - | 9+ | 9+ | 9 | 9 | 7 | 7 | 6 | 7 | 8 | 8 | 5 | 4 | 9+ | 9+ | 5 | 7 |
| SU = 34 | 9+ | 9+ | 9+ | 3* | 5* | 4* | 1 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 7 | 5 | 3 | 5 | 8 | 9+ |
| 6W = 35 | 9 | 9+ | 9+ | 9+ | 9 | 2 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 8 | 6 | 6* | 5* | 5 |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | - | 5* | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 3 | 4* | 6* | 4* | 1* | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 5* | 3* | - | 1 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 1 | - |
| FR = 39 | - | - | 4* | 5* | 4* | 1* | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - |
| FJL = 40 | - | - | 1* | - | - | - | - | - | 3* | 2* | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 1 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: May, Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 4 | 5 | 5 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W6 = 03 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 3 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 1 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | - | 3 | 3 | 4 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 4 | 2 | 5 | 4 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 6 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| P4 = 09 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 4 | 4 | 4 | 4 | 3 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 6 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| CE = 12 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| G = 14 | 3 | 3 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 |
| I = 15 | 5 | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 |
| UA3 = 16 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 2 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 1 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 2 |
| HZ = 21 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 2 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 5 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 4 | 4 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 6 |
| FR = 39 | 3 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 4 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: May, Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 7 | 8 | 8 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W6 = 03 | - | - | - | 1 | 2 | 2 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 5 | 6 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 8 | 8 | 8 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 3 | 6 | 6 | 7 | 2 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 7 | 5 | 8 | 7 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| P4 = 09 | 8 | 8 | 7 | 7 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| HC = 10 | 7 | 7 | 7 | 7 | 6 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 |
| CE = 12 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| LU = 13 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| G = 14 | 6 | 6 | 5 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| I = 15 | 8 | 6 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 |
| UA3 = 16 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 6 | 8 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 5 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 4 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 5 |
| HZ = 21 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 7 | 5 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 2 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 5 | 1 |
| VK3 = 30 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 7 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 9 |
| FR = 39 | 6 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 7 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: May, Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | 1 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| W6 = 03 | - | 1 | 5 | 6 | 7 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W3 = 05 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 |
| XE1 = 06 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 |
| HC = 10 | 9 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 7 | 8 |
| UN = 17 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 8 | 7 | 7 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 4 | 3 | 2 | - | - |
| 4X = 20 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 6 | 6 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 7 | 4 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 3 | 6 | 8 | 7 | 5 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 2 | - | - |
| HS = 26 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - | 2 | 6 | 6 | 6 | 1 | - |
| YB = 28 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 7 | 7 |
| VK6 = 29 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | 7 | 5 | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 1 | 1 |
| KH6 = 31 | - | - | - | - | 1 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | 1 | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 7 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 8 | 9 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 9 | 8 | 8 |
| FJL = 40 | 5 | 5 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 5 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: May, Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 1 | 4 | 5 | 6 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 |
| W6 = 03 | 2 | 5 | 7 | 7 | 8 | 8 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 6 | 3 | 1 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 7 | 7 | 8 | 8 |
| JT = 23 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 | 5 | 6 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 6 | 2 | - |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | - | 2 | 6 | 7 | 7 | 6 | 5 | 3 |
| YB = 28 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 8 | 7 | 7 |
| VK6 = 29 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 8 | 6 | 7 |
| VK3 = 30 | 1 | 1 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 6 | 6 | 5 | 6 | 5 |
| KH6 = 31 | 4 | - | - | 2 | 6 | 7 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 4 | 3 |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 2 | 1 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | - | 3 | 8 | 6 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 6 | 4 | - | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 6 | 5 |
| FJL = 40 | 8 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 6 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: May, Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 2 | - | - | - | - | 1 | 2 | 3* | 1 | 2 | 2 | 5 | 4 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | 1 | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| W9 = 04 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | 1 | 1 | 2 | 4 | 6 | 8 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | 2 | 3 | 6 | 8 | 8 | 9 | 9 |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 1 | 3 | 5 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | 1 | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 1 | 4 | 5 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 7 | 4 | - | - | 1 | 1 | 3 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 5 | 8 | 9+ | 9 | 8 | 2 | - | - | 1 | 3 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | 1 | - | - | - | - | - | 3 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 3 | 4 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| UN = 17 | 9 | 9 | 9 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| UA9 = 18 | 9 | 9 | 8 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 5 | 1 | 1 | 1 | 1 | - | - | 1* | 3* | 3* | 1* | - | - | - | - | - | 4 | 8 | 8 | 9 | 9 | 9 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 4 | 2 | 2 | 1 | - | - | - | 1* | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 5 | 2 | - | - | - | - | - | 1* | 1* | 1* | - | - | - | 4 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| JA1 = 25 | 2 | 1 | - | - | - | - | 1* | 3* | 5* | 5* | 2* | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| HS = 26 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 1* | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 4 | 1 | - | - | - | - | 1* | 4* | 3* | 2* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 8 | 7 | 2 | - | - | - | - | 1* | 1* | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 4 |
| VK6 = 29 | 9 | 8 | 7 | 4 | - | - | 1 | 1 | 1 | 1* | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 1 | 1* | 1* |
| VK3 = 30 | 5 | 4 | 4 | 4 | 1 | - | 1 | 7 | 6 | 4 | 2 | - | - | - | - | 1 | 5 | 7 | 8 | 6 | 3 | 2* | 7 | 7 |
| KH6 = 31 | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 2* | 4* | 4* | 2* | 1* | - | - | - |
| KH8 = 32 | - | - | 5 | 8 | 9 | 9 | 9 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | 2* | 5* | 7 | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 2 | 1 | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 8 | 5 | 1 | - | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 5 | 5 | 5 | - | - | - | 9+ | 9 | 8 | 5 | 2 | 1 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 |
| FR = 39 | - | - | - | 1 | 4 | 3 | 6 | 4 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 8 | 4 | - | - |
| FJL = 40 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: May, Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 2 | - | 1 | 1 | 3 | 8 | 8 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 3 | 4 | 5 | 6 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 5 | 5 | 2 | 1 | 1 | 3 | 3 | 3 | 4 | 5 | 6 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 4 | 1 | 1 | 3 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | 1 | 2 | 2 | 2 | 3 | 5 | 6 | 8 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | 1 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 7 | 6 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 7 | 5 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 9+ | 9 | 9 | 8 | 5 | 4 | 1 | 1 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | 1* | 2 | - | 9+ | 9 | 7 | 3 | 2 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 1 | 8 | 9+ | 9 | 8 | 6 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 2 | 1 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 3 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 1 | 1 | - | 1 | 2 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 1 | 2 | - | - | 1 | 1 | 2 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA9 = 18 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 3 | 2 | 1 | 1 | 1 | - | - | 1 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| UA0 = 19 | 8 | 7 | 3 | 2 | 3 | 3 | 1 | 3 | 7 | 7 | 4* | 1* | - | - | - | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 4 | 2 | 2 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 3 | 1 | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 3 | 1 | - | 1 | 1 | 1 | 1 | 1 | 2 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| JT = 23 | 9 | 9 | 8 | 7 | 5 | 5 | 3 | 2 | 3* | 1* | 2* | 1* | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VR2 = 24 | 9 | 8 | 7 | 4 | 2 | - | - | - | 4* | 9 | 4* | 2* | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| JA1 = 25 | 8 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 7* | 7* | 5* | 2* | 1* | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 9 | 8 | 4 | - | - | - | 2* | 2 | 2* | 2* | 1 | 2 | 2 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 8 | 8 | 6 | 2 | - | - | 1* | 1* | 5* | 8 | 5* | 3* | 1* | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 8 | 9 | 8 | 2 | - | - | - | 1* | 3* | 9 | 2* | 2* | 1 | 2 | 4 | 6 | 9 | 9 | 9 | 9+ | 9 | 9 | 1* | 1* |
| VK6 = 29 | 3 | 4 | 3 | - | - | - | 1 | 6 | 6 | 6 | 2 | 2 | 2 | 2 | 1 | - | 1* | 1* | 1* | - | - | 1* | 1* | 1* |
| VK3 = 30 | - | - | 2 | 1 | - | 1* | 3* | 8 | 8 | 7 | 6 | 4 | 1 | - | - | 1 | 3 | 4 | 3 | 1* | 2* | 2* | 2 | 3 |
| KH6 = 31 | 3 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | 3* | 5* | 8 | 8 | 6* | 5* | 1 | 1 | 2 |
| KH8 = 32 | 3 | 5 | 8 | 9 | 9 | 9 | 4 | 4 | 9 | 9 | 6 | 3 | 2 | - | - | 2* | 5* | 8* | 8* | 8* | 7* | 4* | 2 | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 2 | 2 | 2 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 1* | 2* | 2 | 9+ | 9 | 8 | 5 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 3* | 2* | 2 | 9+ | 9+ | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | 1 | - |
| FR = 39 | - | - | 1* | 1* | 1* | - | 9 | 8 | 3 | 2 | 4 | 3 | 5 | 4 | 6 | 8 | 9 | 9 | 9+ | 6 | - | - | - | - |
| FJL = 40 | 8 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 8 | 7 | 5 | 4 | 2 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: May, Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 6* | 5* | 3* | 1 | - | - | 1 | 1 | 2 | 2 | 5* | 5* | 5 | 6 | 6 | 7 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 | 7 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 2* | 1* | 1 | 3 | 2 | 4 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 1 | 6 | 6 | 6 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9 | 9 | 9 | 8 | 8 | 3 | 4 | 5 | 4 | 5 | 6 | 6 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | 6 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 5* | 9+ | 9+ | 9+ | 9 | 8 | 8 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 2* | 9 | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2* | 8 | 8 | 9 | 9 | 7 | 6 | 5 | 4 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 8 | 5 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | - | 3 | 9 | 8 | 6 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 6 | 4 | 3 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 8 | 5 | 6 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 7 | 8 | 6 | 5 | 6 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 2 | 8 | 4 | 2 | 4 | 6 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| UA9 = 18 | 8 | 8 | 9 | 8 | 9 | 8 | 8 | 5 | 6 | 6 | 7 | 4 | 2 | 3 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 7 |
| UA0 = 19 | 8 | 8 | 7 | 6 | 8 | 7 | 7 | 5 | 6* | 7* | 5* | 4 | 2 | 2 | 4 | 5 | 7 | 7 | 7* | 6 | 7 | 7 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 4 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 2 | 2 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 1 | 1 | 8 | 1 | 2 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| JT = 23 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 5 | 5 | 5 | 6 | 2 | 2 | 3 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| VR2 = 24 | 9 | 8 | 7 | 7 | 2 | 1 | - | 1 | 5 | 6* | 5 | 4* | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| JA1 = 25 | 8 | 8 | 6 | 5 | 5 | 4 | 5 | 4 | 7* | 8* | 7* | 4* | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 1 | 1 | 3 | 2 | 2 | 7 | 7 | 3 | 4 | 4 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| DU = 27 | 8 | 8 | 7 | 6 | - | 1* | 2 | 1 | 5 | 8* | 7* | 5* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| YB = 28 | 4 | 9 | 7 | - | - | - | 1 | 2 | 5 | 5 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 1* | 1* |
| VK6 = 29 | 1* | 1* | 1* | - | 1* | 1* | 2* | 6 | 6 | 5 | 5 | 5 | 4 | 5 | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | 1* | - | - | 1* | 1* | 2* | 4* | 5 | 8 | 7 | 5 | 2 | 1* | - | - | - | - | - | - | - | 4* | 3* | 2* | 1* |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 6 | 4 | 3 | 4 | 6 | 7* | 8* | 7* | 7 | 4* | 2 | 4 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 7 | 3* | 2* | 5 | 6 | 2* | 2* | 1* | 1* | 2* | 3* | 7* | 7* | 8* | 8* | 8* | 6* | 4 | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 8 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 2 | 2* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 3* | 4* | 2* | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 4* | 1* | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | - | - | - |
| FR = 39 | - | - | 2* | 3* | 2* | 1* | 8 | 8 | 6 | 6 | 6 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 7 | - | - | - | - | - |
| FJL = 40 | 1 | - | - | - | - | 2 | 5 | 7 | 7 | 6 | 5 | 5 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 8 | 6 | 3 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: May, Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 3 | 4 | 4 | 5 | 4 | 1 | 2* | 2* | 1* | - | - | - | - | - | - | - | 2* | 4* | 6* | 1* | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5* | 4* | 2* | 1* | - | - | 1 | 3 | 4 | 5 | 6 | 7 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | - | - | 5 | 6 | 6 | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 5 | 3 | 8 | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9+ | 9+ | 9 | 9 | 4 | 4* | 4* | 9 | 2* | 1 | 7 | 8 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 9 | 5 | 4* | 4 | 8 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | 3* | 2* | 6 | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | 5* | 4* | 2* | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 9+ | 9+ | 9 | 9 | 8 | 9 | 2 | 4* | 4* | 3* | 1 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 5* | 1* | 1 | - | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | - | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 7 | 1 | - | - | - | - | - | 9 | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 9 | 2 | 4 | 9+ | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 9+ |
| UA3 = 16 | 9 | 9 | 8 | 8 | 9 | 5 | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UN = 17 | 8 | 8 | 9 | 9 | 8 | 5 | 8 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA9 = 18 | 2* | 2 | 7 | 8 | 8 | 6 | 8 | 8 | 7 | 6 | 5 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 5 | 1 | 2* | 2* |
| UA0 = 19 | 6 | 6 | 6 | 5 | 7 | 5 | 6 | 6 | 5 | 8* | 6* | 5 | 4 | 4 | 4 | 4 | 5* | 6* | 7* | 6* | 6* | 5* | 4* | 5 |
| 4X = 20 | 9+ | 9+ | 9+ | 5 | 3 | 2 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 7 | 6 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 9 | 9 | 9 | 9 | 7 | 4 | 8 | 6 | 5 | 5 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 8 | 8 | 6 | 2 | 6 | 6 | 5 | 5 | 4 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 8 | 8 | 5 | 2 | 2* | 4 |
| VR2 = 24 | 9 | 9 | 8 | 8 | 2 | 1 | 4 | 3 | 2 | 7* | 7* | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 |
| JA1 = 25 | 8 | 8 | 7 | 8 | 5 | 1 | 5 | 5 | 5 | 8* | 8* | 6* | 4 | 4 | 5 | 6 | 7 | 7 | 7* | 6* | 7 | 8 | 9 | 8 |
| HS = 26 | 8 | 9 | 9 | 6 | 1* | 1* | 4 | 5 | 4 | 6* | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 9 | 8 | 8 | 6 | 2* | 2* | 3 | 3 | 4 | 8* | 8* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| YB = 28 | 2* | 9 | 2 | 1* | 1* | 1* | - | 3 | 4 | 6* | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | - | 2* | 2* |
| VK6 = 29 | 2* | 2* | 1* | 1* | 1* | 1* | 1* | 7 | 8 | 7 | 6 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | 3* | 2* |
| VK3 = 30 | 1* | 1* | 1* | 1* | 2* | 3* | 3* | 4* | 8 | 6 | 4* | 1* | - | - | - | - | - | - | - | - | 2* | 4* | 4* | 3* |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 9 | 6 | 4* | 8 | 9 | 9 | 8 | 5 | 2* | 4* | 5* | 6 | 6 | 7* | 7* | 7* | 6 | 6 | 6 |
| KH8 = 32 | 6 | 8 | 8 | 8 | 7 | 2* | 4* | 4* | 4* | 4* | 4* | 4* | 2* | 2* | 3* | 5* | 7* | 6 | 7 | 8* | 8* | 7* | 6 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | 1 | 9+ | 9+ | 9 | 9 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| SU = 34 | 9+ | 9+ | 9+ | 6 | 2 | 2 | 9 | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 8 | - | 4* | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 1 | 5* | 4* | 3* | 5 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 4* | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | - |
| FR = 39 | - | - | 2* | 4* | 3* | 1* | 4 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 1 | 2* | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 3 | - | - | 1* | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: May, Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | - | - | - |
| VO2 = 02 | 9 | 8 | 8 | 8 | 7 | 6 | 5 | 5 | - | - | 5 | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 1 | 1 | 1* | 1* | - | - | - | - | - | 1* | 3* | 3* | 5 | 6 | 7 | 8 | 8 |
| W9 = 04 | 9 | 8 | 8 | 8 | 8 | 6 | 1 | - | 1 | 1 | - | - | - | 1 | 1 | - | 4 | 4 | 5 | 5 | 7 | 8 | 8 | 9 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 6 | - | - | 6 | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 9 | 9 | 9 | 9 | 6 | - | 5* | 5* | 6 | 2* | 1* | - | 7 | 8 | 8 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 7 | - | 5* | 5* | 5 | 1* | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 5 | 8 | 9 | 9 | 7 | 2 | - | 1* | - | - | 9 | 9 | 9 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 5 |
| P4 = 09 | 6 | 8 | 9 | 8 | 7 | 1 | - | 5* | 3* | 2* | 5 | 9 | 9 | 9 | 6 | 6 | 8 | 9 | 9 | 9+ | 9 | 8 | 7 | 5 |
| HC = 10 | 9 | 9 | 9+ | 9+ | 9 | 6 | - | 4* | 5* | 4* | 1* | 7 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9 | 7 | 3* | - | - | 9+ | 8 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 7 | 2 | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 6 | 1 | - | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 8 | 7 | 6 | 4 | 1 | - | 1 | 5 | 6 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| I = 15 | 8 | 9+ | 9 | 6 | 3 | - | - | 5 | 9 | 9 | 9 | 8 | 5 | 5 | 5 | 6 | 9 | 9 | 8 | 7 | 6 | 4 | 4 | 6 |
| UA3 = 16 | 7 | 7 | 3 | 3 | 5 | - | 2 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| UN = 17 | 6 | 6 | 8 | 9 | 6 | 2 | 7 | 8 | 8 | 7 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 |
| UA9 = 18 | 3* | 1* | 1 | 5 | 6 | 2 | 6 | 8 | 6 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 5 | 4 | 1 | - | - | - | 1* |
| UA0 = 19 | 1 | 2 | 1 | 1 | 6 | 1 | 3 | 4 | 4 | 8* | 6* | 5 | 5 | 3 | 3* | 4* | 5* | 6* | 5* | 5* | 6* | 5* | 5* | 1* |
| 4X = 20 | 9+ | 9+ | 6 | 1* | - | - | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 7 | 5 | 5 | 2 | 8 | 9 | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 8 | 9 | 3 | 1 | 7 | 7 | 5 | 4 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 3* | 6 | 8 | 8 | 3 | 1 | 5 | 8 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | 7 | 6 | 5 | 3 | 1 | 1* | 3* | 2* | 3* |
| VR2 = 24 | 8 | 8 | 9 | 7 | 2* | 1* | 4 | 5 | 4 | 7* | 7* | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 6 |
| JA1 = 25 | 8 | 7 | 7 | 8 | 2 | - | 2 | 6 | 5 | 8* | 8* | 7* | 5* | 3* | 4* | 5* | 6* | 7* | 6* | 5* | 5* | 5* | 6 | 7 |
| HS = 26 | 6 | 9 | 9 | 4* | 2* | 1* | 2 | 6 | 2 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| DU = 27 | 9 | 9 | 8 | 4 | 2* | 2* | 3 | 6 | 5 | 8* | 8* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 |
| YB = 28 | 4* | 6 | 2* | 2* | 1* | - | - | 4 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 2 | - | - | 2* | 3* |
| VK6 = 29 | 3* | 3* | 2* | 2* | 2* | 2* | - | 1 | 8 | 7 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | 4* | 3* |
| VK3 = 30 | 2* | 2* | 2* | 3* | 4* | 4* | 1* | - | 7 | 5* | 2* | 1* | - | - | - | - | - | - | - | - | - | 5* | 5* | 3* |
| KH6 = 31 | 6 | 8 | 8 | 9 | 9 | 7 | 1 | 5* | 6* | 9 | 8 | 7 | 4* | 4* | 5* | 5* | 5 | 7 | 7 | 7 | 7* | 6 | 5 | 5 |
| KH8 = 32 | 7 | 7 | 8 | 5 | 2 | - | 4* | 6* | 5* | 5* | 5* | 5* | 4* | 4* | 5* | 6* | 5* | 4 | 8 | 8 | 8 | 7 | 7 | 7 |
| CN = 33 | 5 | 8 | 8 | 7 | 2 | - | - | - | 3 | 7 | 4 | 5 | 2 | 2 | 2 | 1 | 4 | 4 | 3 | 6 | 6 | 5 | 3 | 2 |
| SU = 34 | 9+ | 9+ | 8 | 1 | - | - | 4 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9+ |
| 6W = 35 | 8 | 9+ | 9+ | 9+ | 9 | 1 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 6 | 5 |
| D2 = 36 | 9+ | 9+ | 9 | 1 | - | 2* | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 8 | - | 5* | 5* | 2* | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | 2* | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | - | - | - | - | - |
| FR = 39 | - | - | - | 4* | 3* | 1* | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 5 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jun., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 3 | 5 | 5 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W6 = 03 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 1 | 2 | 3 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 3 | 5 | 5 | 5 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 2 | 3 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 3 | - | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 6 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| P4 = 09 | 5 | 5 | 4 | 3 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 3 | 4 | 3 | 4 | 3 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 |
| CE = 12 | 1 | 2 | 2 | 3 | 3 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| LU = 13 | 3 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 2 |
| G = 14 | 5 | 5 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| I = 15 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| UA3 = 16 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 1 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| HZ = 21 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 | 2 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - |
| VK3 = 30 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 3 | 3 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 4 | 4 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 6 |
| FR = 39 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jun., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 6 | 8 | 8 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W6 = 03 | - | - | - | - | 2 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 4 | 5 | 6 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 6 | 8 | 8 | 8 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | - | 4 | 5 | 6 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 6 | 3 | 8 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| P4 = 09 | 8 | 8 | 7 | 6 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| HC = 10 | 6 | 7 | 6 | 7 | 6 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 |
| CE = 12 | 4 | 5 | 5 | 6 | 6 | 5 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| LU = 13 | 6 | 7 | 7 | 8 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 5 |
| G = 14 | 8 | 8 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| I = 15 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 |
| UA3 = 16 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 4 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| HZ = 21 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 8 | 5 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 5 | 5 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 1 |
| VK3 = 30 | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 6 | 6 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 8 | 7 | 7 | 7 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 |
| FR = 39 | 8 | 8 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 8 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jun., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 |
| W6 = 03 | - | - | 2 | 6 | 5 | 7 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 7 | 8 | 8 | 9 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| XE1 = 06 | 6 | 7 | 7 | 7 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 |
| HC = 10 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 3 | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 8 | 8 | 9 | 8 |
| UN = 17 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 7 | 6 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 4 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | 1 | 2 | 1 | - | - | - |
| 4X = 20 | 9 | 8 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 6 | 3 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 6 | 7 | 2 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 1 | 4 | 2 |
| HS = 26 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | - | 3 | 6 | 6 | 4 | 1 | - |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 | 6 | 2 |
| KH6 = 31 | 4 | - | - | - | 1 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 8 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 8 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| FJL = 40 | 5 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jun., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | 2 | 4 | 5 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 7 | 8 |
| W6 = 03 | 1 | 3 | 5 | 6 | 7 | 8 | 7 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| TI = 07 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 4 | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 |
| LU = 13 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 9 | 9 | 8 |
| UN = 17 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 2 | 1 | - |
| 4X = 20 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 7 | 7 | 8 |
| JT = 23 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 | 7 | 2 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 7 | 7 | 7 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 3 | 1 | - |
| HS = 26 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 3 | 6 | 6 | 6 | 6 | 6 | 2 |
| YB = 28 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 8 | 4 | 6 |
| VK3 = 30 | 2 | 1 | - | - | - | - | 2 | 3 | 2 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 5 | 4 | 7 | 6 |
| KH6 = 31 | - | - | - | 1 | 6 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 4 | 2 | 1 | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | - | 5 | 9 | 7 | 2 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| FR = 39 | 6 | 4 | - | 6 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 | 8 | 8 | 7 |
| FJL = 40 | 7 | 6 | 5 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jun., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 3 | 6 | 7 | 8 | 8 | 8 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 4 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | 1 | 1 | - | - | 1 | 4 | 5 | 8 | 8 | 9 | 9 | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 |
| W9 = 04 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 4 | 2 | 1 | - | - | - | 1 | 2 | 2 | 4 | 5 | 8 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | 2 | 3 | 5 | 7 | 8 | 9 | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | 1 | 1 | 5 | 8 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 1 | 1 | 3 | 6 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 | 6 | 3 | 1 | - | - | 2 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 | 7 | 2 | 1 | - | - | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 1 | 1 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 7 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 7 | 9 | 7 | 3 | - | - | - | 1 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 4 | 8 | 9+ | 9 | 8 | 5 | 1 | - | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 3 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9 | 9+ | 9 | 9 | 8 | 6 | 2 | - | 1 | - | - | - | - | - | 1 | 2 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 8 | 8 | 5 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 4 | 2 | 1 | 1 | - | - | - | - | 2* | 2* | 1* | - | - | - | - | - | 4 | 8 | 8 | 9 | 9 | 8 | 7 | 5 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 2 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 4 | 2 | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| JA1 = 25 | 2 | 1 | - | - | - | - | - | 2* | 4* | 4* | 2* | 1* | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 5 |
| HS = 26 | 9 | 8 | 6 | 3 | - | - | - | - | - | 1* | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 7 | 4 | 1 | - | - | - | - | - | 4* | 3* | 2* | 1* | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 9 | 7 | 2 | - | - | - | - | 1* | 1* | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 3 |
| VK6 = 29 | 7 | 8 | 7 | 5 | - | - | 2 | 3 | 9 | 1 | 1 | - | - | - | 1 | - | - | - | 3* | 2* | 2 | 1* | 1* | 1* |
| VK3 = 30 | 6 | 5 | 4 | 4 | 2 | - | 2 | 8 | 8 | 6 | 4 | 2 | - | - | - | - | 5 | 7 | 8 | 5 | 2* | 2* | 6 | 8 |
| KH6 = 31 | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | 3* | 4* | 5* | 2* | - | - | - | - |
| KH8 = 32 | - | 1 | 6 | 8 | 9 | 9 | 8 | 8 | 9 | 8 | 6 | 1 | 1 | - | - | - | 3* | 5* | 6 | 7 | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5 | 1 | 1 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 1 | 1 | 1 | 1 | 1 | 3 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 2 | 3 | 4 | - | 1* | - | 9 | 9+ | 9 | 5 | 3 | 1 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| FR = 39 | - | - | - | 1 | 5 | 5 | 6 | 4 | 1 | - | 1 | - | - | 2 | 2 | 7 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 |
| FJL = 40 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 5 | 1 | 1 | - | - | - | - | - | 1 | 6 | 7 | 8 | 9 | 9 | 9 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jun., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 3 | 2 | 1 | 1 | 1 | 2* | 4* | 4* | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 4 | 3 | 2 | 1 | 2 | 3 | 3 | 4 | 5 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 2 | 4 | 4 | 4 | 5 | 7 | 7 | 7 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 9 | 7 | 6 | 4 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9 | 7 | 4 | 2 | 1 | 1 | 3 | 3 | 3 | 5 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 5 | 5 | 3 | 3 | 2 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 4 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 3 | 9+ | 9+ | 9+ | 9 | 7 | 5 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 8 | 5 | 9+ | 9+ | 9 | 8 | 6 | 4 | 2 | 2 | 4 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | 2 | - | 8 | 9 | 7 | 4 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 2 | 7 | 9+ | 9 | 8 | 6 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 5 | 3 | 2 | 1 | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9 | 9 | 9 | 7 | 5 | 3 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| UA3 = 16 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 8 | 7 | 5 | 4 | 3 | 1 | 2 | 1 | 3 | 6 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | 1 | - | - | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA9 = 18 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| UA0 = 19 | 8 | 8 | 5 | 4 | 3 | 2 | 5 | 2 | 4* | 8 | 4* | 2* | 1* | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 8 | 8 | 6 | 4 | 2 | 1 | 2 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 1 | 1 | 1 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9+ | 9 | 8 | 8 | 6 | 2 | 1 | - | 1 | - | - | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| JT = 23 | 9 | 9 | 8 | 7 | 5 | 4 | 2 | 2 | 2* | 2* | 2* | 1* | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| VR2 = 24 | 9 | 7 | 6 | 2 | 1 | - | - | - | 3* | 5* | 4* | 2* | - | 1 | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| JA1 = 25 | 7 | 5 | 4 | 2 | 1 | 1 | 1 | 2 | 8 | 8 | 6* | 3* | 1* | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| HS = 26 | 9 | 9 | 8 | 7 | 4 | 1 | 1 | - | 2* | 2* | 2* | 2* | 1 | 3 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| DU = 27 | 8 | 8 | 5 | 1 | - | - | - | 1* | 5* | 8 | 6* | 4* | 1 | 1 | 2 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| YB = 28 | 8 | 9 | 8 | 2 | - | - | - | - | 3* | 8 | 3* | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1* | 1* |
| VK6 = 29 | 1* | 1 | - | - | - | 1* | 1 | 7 | 6 | 5 | 4 | 4 | 3 | 3 | - | - | - | 1* | 1* | 1* | - | 1* | 1* | 1* |
| VK3 = 30 | 1 | 1 | 1 | 1 | 2* | 2* | 3* | 8 | 9 | 8 | 7 | 4 | - | - | - | - | 1 | 3 | 2 | - | 3* | 2* | 2* | 6 |
| KH6 = 31 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 7 | 2 | - | 1* | 4* | 5* | 8 | 8 | 5* | 5* | 1 | 1 | 1 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 8 | 3* | 3 | 9 | 9 | 7 | 4 | 2 | - | - | 3* | 5* | 7* | 8* | 8* | 7* | 5* | 2 | 4 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 4 | 9+ | 9+ | 9 | 9 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 6 | 4 | 3 | 2 | 2 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 4 | 3 | 5 | 9+ | 9 | 8 | 6 | 5 | 6 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | 2* | 2 | 9+ | 9+ | 9 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 2 | - |
| FR = 39 | - | - | 1* | 1* | 1* | 1 | 9 | 8 | 5 | 4 | 5 | 5 | 6 | 5 | 7 | 9 | 9 | 9 | 9 | 7 | - | - | - | - |
| FJL = 40 | 7 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 7 | 6 | 5 | 3 | 3 | 2 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jun., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | 5 | 6 | 7 | 6 | 6 | 4 | 2 | 6* | 5* | 4* | 2* | 1 | 1* | 1* | 1 | 2* | 3* | 4* | 4 | 5 | 5 | 5 | 5 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 8 | 9 | 9 | 8 | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 7 | 5* | 2* | 1* | 1* | 1 | 2 | 2 | 8 | 8 | 6 | 6 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9 | 9 | 9+ | 9+ | 9 | 9 | 5 | 5 | 5 | 6 | 3 | 5 | 5 | 6 | 4 | 5 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 2 | 2 | 8 | 9 | 9 | 8 | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 3* | 8 | 9 | 9 | 8 | 8 | 6 | 5 | 6 | 6 | 8 | 7 | 7 | 7 | 9 | 9 | 8 |
| TI = 07 | 9 | 9+ | 9+ | 9 | 9 | 9 | 5 | 2 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 7 | 8 | 9 | 9 | 9 | 6 | 1* | 4* | 7 | 9+ | 9 | 9 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| P4 = 09 | 6 | 8 | 8 | 9 | 8 | 6 | 1* | 2* | 6 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 2* | 5 | 5 | 7 | 9 | 9 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 6 | 5 | 9 | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | 9 | 8 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 5 | - | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 2 | 9 | 9 | 8 | 7 | 6 | 4 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| I = 15 | 7 | 8 | 9 | 8 | 2 | - | 4 | 9 | 9 | 8 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 6 | 5 | 6 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 5 | 1 | 6 | 8 | 8 | 8 | 9 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 8 | 5 | 4 | 7 | 4 | 3 | 2 | 9 | 5 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| UA9 = 18 | 8 | 8 | 9 | 8 | 6 | 5 | 8 | 7 | 6 | 7 | 8 | 5 | 4 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| UA0 = 19 | 6 | 6 | 5 | 5 | 2 | 1 | 5 | 4 | 5* | 6* | 5* | 4* | 2 | 2 | 3 | 5 | 7 | 8 | 7 | 7 | 6 | 5 | 5 | 6 |
| 4X = 20 | 9+ | 9+ | 9 | 5 | 2 | 2 | 9 | 9 | 8 | 6 | 4 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | 3 | 4 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 2 | 1 | 1 | 8 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 9 | 9 |
| JT = 23 | 9 | 8 | 8 | 6 | 2 | 1 | 5 | 5 | 6 | 5 | 7 | 3 | 2 | 3 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 9 | 8 | 8 | 6 | 3 | 2 | 2 | 1 | 7 | 6 | 6 | 4* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| JA1 = 25 | 7 | 7 | 7 | 5 | 2 | - | 4 | 3 | 6* | 8* | 7* | 5* | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 6 |
| HS = 26 | 9 | 9 | 9 | 8 | 2 | 1 | 2 | 2 | 2 | 7 | 7 | 3 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 7 | 5 | 1 | 1 | 2 | 1 | 6 | 7* | 7* | 5* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| YB = 28 | 3 | 9 | 5 | - | - | - | 1 | 3 | 6 | 5* | 5* | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 5 | - | 2* | 1* |
| VK6 = 29 | 1* | 1* | 1* | 1* | 1* | 1* | - | 7 | 7 | 7 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 2* | 1* |
| VK3 = 30 | 1* | - | 1* | 1* | 2* | 2* | 1* | 2* | 9 | 8 | 5 | 2* | - | - | - | - | - | - | - | - | 3* | 3* | 2* | 2 |
| KH6 = 31 | 5 | 7 | 8 | 9 | 9 | 9 | 5 | 4 | 9 | 9 | 9 | 7 | 6 | 3 | 3* | 5* | 6 | 6 | 7* | 7 | 6* | 4 | 4 | 4 |
| KH8 = 32 | 6 | 8 | 8 | 9 | 8 | 5 | 3* | 2* | 8 | 5 | 3* | 2* | 1* | 1* | 2* | 4* | 6* | 5 | 7 | 8* | 8* | 6* | 5 | 6 |
| CN = 33 | 7 | 8 | 8 | 6 | 1 | - | - | 4 | 9+ | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 6 |
| SU = 34 | 9+ | 9+ | 9 | 5 | 2* | 1 | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9+ |
| 6W = 35 | 8 | 9 | 9+ | 9 | 8 | 1 | - | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 4 | 3* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 2* | 3* | 1* | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 3* | 2* | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | - | - |
| FR = 39 | - | - | 2* | 2* | 3* | - | 8 | 8 | 7 | 7 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 1 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | 6 | 6 | - | 1* | - | - | - | - | - | 1 | 2 | 4 | 6 | 7 | 7 | 6 | 5 | 3 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jun., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - | - | 1* | 2* | 4* | 4* | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | 2 | 5 | 6 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | 6* | 4* | 4* | 3* | 1* | - | - | - | 1 | 2* | 3* | 5 | 5 | 6 | 6 | 7 | 8 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | 1 | 3 | 2 | 1 | 1 | 3 | 4 | 5 | 5 | 5 | 7 | 8 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 7 | - | - | 1 | 7 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 2 | 4 | 5 | 5 | 7 | 4 | - | 5* | 5* | 8 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 4 |
| TI = 07 | 6 | 7 | 8 | 7 | 8 | 5 | 1* | 4* | 5* | 8 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 6 |
| VP2 = 08 | - | - | 1 | 1 | 2 | - | - | 1* | 1* | 1 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 8 | 3 | - |
| P4 = 09 | - | - | - | 1 | 2 | - | - | 5* | 3* | 2* | 6 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 4* | 2* |
| HC = 10 | 8 | 8 | 8 | 7 | 6 | 3 | 1* | 4* | 4* | 2* | - | 6 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 |
| PY1 = 11 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 2* | - | - | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 7 | 4 | - | - | - | - | - | - | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 7 | 2 | - | - | - | - | - | - | 4 | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 6 | 7 | 7 | 5 | 1 | - | - | 3 | 9 | 9 | 8 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 5 | 5 |
| I = 15 | 1 | 2 | 3 | 1 | - | - | - | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | - | - | - |
| UA3 = 16 | 8 | 8 | 6 | 3 | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 7 |
| UN = 17 | 7 | 8 | 8 | 7 | 1 | 1 | 7 | 7 | 6 | 5 | 5 | 4 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| UA9 = 18 | 2* | 1 | 6 | 6 | 1 | - | 5 | 7 | 5 | 4 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 7 | 7 | 5 | 1 | 1* | 1* |
| UA0 = 19 | 1* | - | - | 4 | - | - | 1 | 2 | 2 | 7* | 6* | 5* | 3* | 2* | 2 | 4 | 5* | 6* | 5* | 6* | 6* | 6* | 4* | 2* |
| 4X = 20 | 6 | 7 | 2 | 1* | 1* | - | 6 | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 6 | 3 | 4 | 5 |
| HZ = 21 | 9 | 9 | 7 | 7 | 5 | 4 | 8 | 8 | 8 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VU = 22 | 9 | 9 | 9 | 9 | 5 | 4 | 8 | 6 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 5 | 3 | 4 | 3 | - | - | 4 | 6 | 5 | 5* | 4 | 4 | 2 | 2 | 3 | 6 | 8 | 8 | 8 | 8 | 6 | 4* | 3* | 2 |
| VR2 = 24 | 8 | 9 | 8 | 6 | 1 | 1 | 3 | 2 | 2 | 7* | 7* | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 |
| JA1 = 25 | 3* | 4 | 5 | 4 | - | - | 2 | 5 | 4 | 8* | 8* | 6* | 4 | 4 | 5 | 7 | 8 | 8 | 7 | 6 | 6 | 6* | 5* | 4* |
| HS = 26 | 7 | 9 | 9 | 6 | 1* | - | 3 | 4 | 4 | 6* | 6* | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| DU = 27 | 9 | 9 | 8 | 5 | 1* | 1* | 3 | 3 | 4 | 8* | 8* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 |
| YB = 28 | 1* | 5 | 1* | - | - | - | - | 4 | 5 | 7* | 6* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 7 | 1 | - | - | 1* | 1* |
| VK6 = 29 | 2* | 2* | 1* | 1* | 1* | - | - | 5 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | 3* | 2* |
| VK3 = 30 | 1* | 1* | 1* | 2* | 2* | - | - | - | 9 | 6 | 2* | - | - | - | - | - | - | - | - | - | 1* | 5* | 4* | 2* |
| KH6 = 31 | 1 | 4 | 6 | 7 | 8 | 5 | - | 5* | 5* | 9 | 8 | 7 | 4 | 2* | 4* | 5* | 5 | 6 | 6 | 7* | 6* | 5 | 3 | 1 |
| KH8 = 32 | 7 | 8 | 7 | 5 | 4 | - | 4* | 5* | 4* | 4* | 4* | 3* | 2* | 2* | 3* | 5* | 1* | 3 | 8 | 8 | 8 | 7 | 6 | 6 |
| CN = 33 | - | 1 | 1 | - | - | - | - | - | 3 | 6 | 4 | 3 | 1 | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 5 | 9+ | 9+ | 9+ |
| SU = 34 | 4 | 6 | 3 | 1* | 1* | - | 5 | 9 | 8 | 8 | 6 | 5 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 5 | 2 | 2 | 3 |
| 6W = 35 | 2 | 5 | 6 | 4 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | 1 |
| D2 = 36 | 9+ | 9+ | 9 | 7 | - | 1* | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 1 | 3* | 4* | 1* | 5 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | 1* | - | 5 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - |
| FR = 39 | - | - | 1* | 1* | 1* | - | 4 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jun., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - |
| VO2 = 02 | 8 | 8 | 7 | 6 | 5 | 1 | - | - | - | 1 | 4 | 5 | 2 | 3 | 4 | 6 | 6 | 6 | 5 | 6 | 7 | 8 | 8 | 7 |
| W6 = 03 | 4 | 5 | 5 | 4 | 2 | 2 | - | 3* | - | - | - | - | - | - | - | - | 1* | 2* | 2* | 4* | 2 | 2 | 2 | 3 |
| W9 = 04 | 5 | 2 | 3 | 2 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 4 | 5 |
| W3 = 05 | 5 | 6 | 7 | 6 | 6 | 2 | - | - | - | 1 | 3 | 7 | 5 | 4 | 5 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 6 |
| XE1 = 06 | - | - | - | - | 2 | - | - | 5* | 2* | 4 | 1* | - | 2 | 3 | 5 | 4 | 7 | 9 | 9 | 9 | 6 | 5 | 1 | - |
| TI = 07 | 1 | 1 | 1 | 1 | 3 | 1 | - | 5* | 3* | 2 | - | 4 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 4* | 3* |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 5 | - | - | 1 | 2 | 3 | 3 | 4 | 2* | 1* | - |
| P4 = 09 | - | - | - | - | - | - | - | 4* | 1* | 1* | - | 5 | 8 | 6 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4* | 3* | 1* |
| HC = 10 | 4* | 3 | 2 | 1 | 2 | - | - | 4* | 4* | 1* | - | 1 | 5 | 5 | 5 | 4 | 6 | 9 | 9 | 9 | 8 | 7 | 5 | 5* |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1* | - | - | 9+ | 4 | 9+ | 9+ | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| CE = 12 | 9+ | 9+ | 6 | - | - | - | - | - | - | - | - | 3 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | 1 | 1 | - | - | - | - | - | 4 | 3 | 1 | 1 | 4 | 7 | 8 | 7 | 6 | 8 | 9 | 8 | 5 | 2 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 2 | 1 | 1 | 4 | 1 | 1 | 2 | 4 | 4 | 4 | 4 | 2 | - | - | - | - |
| UA3 = 16 | 3 | 5 | 1 | - | - | - | - | 2 | 8 | 8 | 8 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 2 | 1 | 2 |
| UN = 17 | 2 | 4* | 5 | 2 | - | - | 4 | 8 | 7 | 6 | 7 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 4 | 2 |
| UA9 = 18 | 2* | - | 1 | 1 | - | - | 1 | 5 | 5 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | - |
| UA0 = 19 | - | - | - | 1 | - | - | - | 1 | 1 | 8* | 5* | 3* | 2* | 2* | 2* | 2* | 2* | 1* | 1* | 1* | 4* | 5* | 3* | 1* |
| 4X = 20 | - | - | 1* | - | - | - | 1 | 9 | 6 | 5 | 8 | 8 | 8 | 5 | 6 | 7 | 7 | 7 | 6 | 4 | 1* | - | - | - |
| HZ = 21 | 8 | 7 | 5* | 3* | 1 | - | 8 | 9 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 5 | 6 | 8 | 7 | 1 | - | 6 | 8 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 7 |
| JT = 23 | 4* | 1* | - | - | - | - | 1 | 6 | 5 | 6* | 3 | 3 | 1* | 1 | 1* | 3 | 3 | 4 | 3 | 2 | - | 1* | 2* | 4* |
| VR2 = 24 | 7 | 8 | 8 | 5 | 1* | - | 2 | 5 | 4 | 5* | 7* | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 4 | 2* | 4* |
| JA1 = 25 | 3* | 1* | 1 | 1 | - | - | - | 5 | 4 | 8* | 7* | 5* | 4* | 3* | 3 | 5 | 6 | 4 | 1 | 1 | 1* | 5* | 5* | 5* |
| HS = 26 | 5* | 8 | 8 | 2 | 1* | - | 3 | 6 | 5 | 5 | 7* | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 5 | 3* |
| DU = 27 | 8 | 9 | 8 | 3 | 1* | - | 2 | 6 | 5 | 6 | 8* | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 5* | 5 |
| YB = 28 | - | - | - | - | - | - | - | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 2* | - | - | - | - | - |
| VK6 = 29 | 1* | 1* | - | - | - | - | - | - | 8 | 8 | 8 | 7 | - | - | - | - | - | - | - | - | - | - | 2* | 1* |
| VK3 = 30 | 1* | 1* | 1* | 1* | - | - | - | - | 8 | 3* | - | - | - | - | - | - | - | - | - | - | - | 6* | 3* | 2* |
| KH6 = 31 | - | - | 1 | 1 | 4 | 1 | - | 5* | 7* | 9 | 7 | 5* | 4* | 3* | 3* | 2 | 4 | 6 | 6 | 6 | 6* | 4* | 1 | - |
| KH8 = 32 | 8 | 7 | 3 | - | - | - | 2* | 6* | 5* | 5* | 5* | 4* | 4* | 3* | 2* | 1* | - | - | 8 | 8 | 8 | 7 | 8 | 7 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | 8 | 9 | 9 | - | 1 | 2 | 2 | 2 | 2 | 9+ | 9 | 8 | 8 |
| SU = 34 | - | - | 1* | - | - | - | 1 | 9 | 6 | 4 | 5 | 7 | 5 | 4 | 4 | 6 | 6 | 6 | 5 | 3* | 2* | 1* | - | - |
| 6W = 35 | - | - | 1 | - | - | - | - | - | 8 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 8 | 8 | 7 | 6* | 3* | - | - | - |
| D2 = 36 | 9+ | 9 | 6 | 1 | - | - | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 2 | - | 2* | 1* | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 6 | 9 | 9+ | 9+ | 8 | 2 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 7 | 2 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jul., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 4 | 5 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W6 = 03 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 1 | 3 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 2 | 5 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 5 | 4 | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| P4 = 09 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 3 | 4 | 4 | 4 | 3 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 6 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 3 | 4 | 4 | 4 | 5 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| G = 14 | 5 | 4 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 |
| I = 15 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 |
| UA3 = 16 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 3 |
| HZ = 21 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 | 3 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| VK3 = 30 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| SU = 34 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 3 | 3 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| FR = 39 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 4 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jul., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 7 | 8 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W6 = 03 | - | - | - | 1 | 2 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 4 | 6 | 7 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 8 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 4 | 6 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 8 | 7 | 8 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| P4 = 09 | 8 | 7 | 7 | 7 | 6 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| HC = 10 | 6 | 7 | 7 | 7 | 6 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 5 | 6 | 6 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| LU = 13 | 6 | 7 | 7 | 7 | 8 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| G = 14 | 8 | 7 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| I = 15 | 7 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 |
| UA3 = 16 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 6 | 6 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 5 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 6 |
| HZ = 21 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 8 | 6 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 5 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 5 | 1 |
| VK3 = 30 | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| SU = 34 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 6 | 6 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 7 | 7 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 8 | 7 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jul., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 1 | 2 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 |
| W6 = 03 | - | 1 | 4 | 6 | 6 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| XE1 = 06 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 |
| HC = 10 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 7 | 7 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 7 | 7 |
| UN = 17 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 7 | 8 | 7 |
| UA9 = 18 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 6 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 1 | - | - |
| 4X = 20 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 8 | 8 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 6 | 4 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 6 | 6 | 5 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 3 | 1 | - | - |
| HS = 26 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 6 | 6 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | - | - | 2 | 5 | 5 | 6 | 1 | - |
| YB = 28 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 5 | 2 | 1 |
| KH6 = 31 | - | - | - | - | 1 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 8 |
| FJL = 40 | 5 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jul., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 1 | 2 | 4 | 6 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 9 |
| W6 = 03 | 2 | 5 | 7 | 7 | 7 | 8 | 7 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 |
| VP2 = 08 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 7 | 7 | 8 | 8 |
| UA9 = 18 | 6 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 6 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 5 | 2 | 1 |
| 4X = 20 | 9 | 9 | 9 | 9 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 7 | 7 | 8 | 8 |
| JT = 23 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 6 | 4 | 6 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 4 | 4 | 6 | 7 | 7 | 7 | 5 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 5 | 1 | - |
| HS = 26 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 2 | 6 | 6 | 7 | 7 | 6 | 3 |
| YB = 28 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 7 | 7 |
| VK6 = 29 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 7 | 8 | 4 | 5 |
| VK3 = 30 | 1 | - | - | - | - | - | 1 | 3 | 1 | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 1 | 1 | 6 | 5 |
| KH6 = 31 | - | - | - | 2 | 6 | 7 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| KH8 = 32 | - | - | - | 1 | 6 | 7 | 7 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 3 | 1 | 1 | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | 1 | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 7 | 9 | 9 | 7 | 1 | 3 | 8 | 6 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 7 | 6 | 1 | - | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 7 | 5 | 5 |
| FJL = 40 | 7 | 8 | 6 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 6 | 7 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jul., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | 2 | - | 1 | 1 | 3 | 4 | 5 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | 1 | 5 | 5 | 8 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 1 | 1 | 2 | 4 | 5 | 8 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 | 6 | 2 | 1 | - | - | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 6 | 3 | 1 | - | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 2 | 5 | 7 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 6 | 3 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 1 | 6 | 2 | 9 | 6 | 4 | - | - | 1 | 1 | 3 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | 4 | 9+ | 9 | 8 | 2 | - | 1 | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | 1 | - | - | - | - | - | 3 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 3 | - | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9+ | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9+ | 9 | 9+ | 9 |
| UN = 17 | 9 | 9 | 9 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 8 | 6 | 5 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 4 | 1 | 1 | 1 | 1 | - | - | - | 3* | 2* | 1* | - | - | - | - | - | 1 | 8 | 9 | 9 | 9 | 9 | 8 | 6 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 2 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 4 | 2 | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 2 | - | - | - | - | - | - | 2* | 5* | 5* | 2* | - | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9 | 8 | 5 |
| HS = 26 | 9 | 8 | 7 | 3 | - | - | - | - | - | 1* | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 6 | 3 | 1 | - | - | - | - | - | 4* | 3* | 2* | - | - | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 8 | 7 | 2 | - | - | - | - | 1* | 1* | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 5 | 1 |
| VK6 = 29 | 6 | 5 | 6 | 4 | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | 4* | 3 | 3 | 1* | 1* | 1* |
| VK3 = 30 | 4 | 3 | 3 | 3 | 2 | 1 | 2 | 6 | 6 | 5 | 2 | - | - | - | - | - | 3 | 5 | 5 | 2* | 2* | 2* | 4 | 7 |
| KH6 = 31 | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | 2* | 4* | 4* | 1* | - | - | - | - |
| KH8 = 32 | - | 1 | 6 | 8 | 9 | 9 | 7 | 6 | 9 | 8 | 5 | 1 | - | - | - | - | 1* | 5* | 7 | 5* | 3* | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 4 | 2 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | 1 | - | - | - | - | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 6 | 4 | 4 | 9 | 7 | 4 | - | 1 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | 1 | 5 | - | 1* | - | 8 | 9 | 8 | 5 | 2 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 |
| FR = 39 | 1 | - | - | - | 2 | 4 | 6 | 3 | - | - | - | - | 1 | 1 | 2 | 6 | 9 | 9 | 9 | 8 | 4 | 2 | - | - |
| FJL = 40 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 5 | 5 | 1 | 1 | - | - | - | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jul., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 2 | 1 | 1 | 1 | 3 | 8 | 6 | 7 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 5 | 2 | 3 | 4 | 2 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 7 | 3 | 4 | 2 | 2 | 2 | 6 | 6 | 6 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 9 | 7 | 6 | 4 | 3 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 9 | 9 | 8 | 8 | 4 | 2 | 1 | 1 | 1 | 2 | 2 | 4 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 5 | 2 | 2 | 2 | 2 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 3 | 9+ | 9+ | 9 | 9 | 8 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2 | 9+ | 9+ | 9 | 9 | 8 | 5 | 4 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 5 | 9+ | 9 | 9 | 8 | 5 | 2 | 1 | 2 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 7 | 9+ | 9+ | 8 | 6 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - | - | 5 | 9 | 6 | 3 | 3 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 6 | 1 | - | - | - | - | 9+ | 9 | 8 | 4 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 9 | 9 | 9 | 7 | 5 | 3 | 2 | 1 | 2 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 8 | 3 | 9 | 9 | 9 | 7 | 5 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 8 | 8 | 6 | 4 | 2 | 1 | 1 | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | - | - | - | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA9 = 18 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 2 | 1 | 2 | 1 | 1 | 1 | - | 1 | 2 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| UA0 = 19 | 8 | 7 | 7 | 5 | 3 | 1 | 5 | 3 | 7 | 8 | 4* | 2* | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 1 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 1 | 1 | 1 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9+ | 9 | 9 | 8 | 6 | 2 | 1 | - | - | - | - | 2 | 1 | 2 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| JT = 23 | 9 | 9 | 8 | 7 | 5 | 4 | 2 | 2 | 2* | 2 | 2* | 1 | 1 | 1 | 2 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| VR2 = 24 | 9 | 8 | 6 | 2 | 1 | - | - | - | 1* | 9 | 4* | 1* | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| JA1 = 25 | 8 | 5 | 2 | 2 | 1 | 1 | 2 | 2 | 7 | 8 | 5* | 2* | 1* | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 7 | 2 | - | 1 | 1 | 2* | 2* | 2* | 1 | 2 | 2 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| DU = 27 | 8 | 8 | 5 | 1 | - | - | - | 1* | 4* | 8 | 5* | 3* | 1* | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 7 | 8 | 6 | 1 | - | - | - | - | 3* | 9 | 2* | 1 | 2 | 3 | 4 | 7 | 9 | 9 | 9 | 8 | 7 | 3 | 1* | 1* |
| VK6 = 29 | 1* | 1* | - | - | - | - | 1* | 6 | 6 | 7 | 2 | 2 | 2 | - | - | - | - | 1* | 2* | 2* | - | 1* | 2* | 1* |
| VK3 = 30 | - | - | - | 1 | 1* | 3* | 3* | 6 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1* | 4* | 2* | 2* | 3 |
| KH6 = 31 | 3 | 7 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 7 | 2 | - | 1* | 4* | 5* | 8 | 8 | 7* | 5* | 1 | 1 | 2 |
| KH8 = 32 | 4 | 7 | 8 | 8 | 8 | 7 | 2* | 2* | 7 | 8 | 1 | 1 | 1 | - | - | 2* | 5* | 7* | 8* | 8* | 7* | 4* | 2 | 3 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 6 | 1 | 4 | 9+ | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 8 | 7 | 4 | 3 | 2 | 2 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 5 | 1* | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 7 | 1* | 2* | 1* | 9 | 9 | 8 | 4 | 4 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 3* | 2* | 1* | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 3 | - | - | - |
| FR = 39 | - | - | 1* | 1* | 1* | - | 8 | 8 | 4 | 3 | 4 | 4 | 5 | 5 | 7 | 9 | 9 | 9 | 5 | - | - | - | - | - |
| FJL = 40 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 8 | 8 | 9 | 6 | 5 | 4 | 4 | 4 | 5 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jul., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 6* | 5 | 4 | 2 | 1 | 1 | 1 | 2 | 2 | 4* | 5* | 5* | 4 | 5 | 7 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5* | 5 | 4* | 2* | 1* | 1 | 2 | 3 | 4 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 9+ | 9 | 9 | 9 | 6 | 5 | 5 | 3 | 2 | 5 | 6 | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 4 | 4 | 8 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 3* | 8 | 8 | 2 | 4 | 6 | 6 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 3* | 2* | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9 | 9+ | 9+ | 9+ | 8 | 5 | - | 4* | 4 | 9+ | 9+ | 9 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | 4* | 3 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2* | 6 | 7 | 8 | 9 | 7 | 7 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 4 | 1 | 1 | 3 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 8 | 6 | 1 | - | - | - | - | - | 9 | 8 | 5 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 6 | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 5 | - | 2 | 9 | 9 | 8 | 7 | 6 | 5 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 1 | - | 1 | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9 | 9 | 4 | - | 5 | 8 | 8 | 7 | 9 | 6 | 6 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 7 | 5 | 7 | 5 | 3 | 3 | 8 | 4 | 4 | 4 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UA9 = 18 | 8 | 7 | 8 | 9 | 7 | 4 | 6 | 7 | 6 | 7 | 8 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 |
| UA0 = 19 | 7 | 7 | 6 | 7 | 4 | 1 | 4 | 5 | 4* | 6* | 5* | 4 | 3 | 3 | 4 | 6 | 8 | 8 | 8 | 8 | 7 | 4 | 5 | 7 |
| 4X = 20 | 9+ | 9+ | 9 | 5 | 5 | 4 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 9 | 9 | 9 | 5 | 8 | 8 | 6 | 3 | 5 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 5 | 6 | 2 | 2 | 1 | 8 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 8 | 8 | 8 | 4 | 1 | 5 | 5 | 5 | 5 | 7 | 3 | 3 | 3 | 5 | 7 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 8 | 8 | 6 | 2 | - | 1 | 1 | 6 | 6* | 6 | 3* | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 |
| JA1 = 25 | 8 | 8 | 7 | 6 | 3 | - | 4 | 3 | 3 | 8* | 6* | 5* | 3 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 8 | 7 | - | - | 2 | 2 | 2 | 7 | 8 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 8 | 5 | 1* | 1* | 2 | 2 | 6 | 7* | 7 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 1 | 4 | 1 | 1* | - | - | - | 3 | 6 | 5 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 7 | 1 | - | - | 2* | 1* |
| VK6 = 29 | 1* | 1* | 1* | 1* | - | 1* | 1* | 6 | 6 | 5 | 5 | 5 | 4 | - | - | - | - | 1* | 1* | 1* | - | - | 2* | 1* |
| VK3 = 30 | - | - | - | 1* | 2* | 2* | 3* | 5* | 9 | 7 | 3* | - | - | - | - | - | - | - | - | - | 4* | 3* | 2* | 1* |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 9 | 5 | 3 | 9 | 9 | 8 | 7 | 6 | 4 | 3* | 5* | 6 | 6 | 7* | 7 | 6* | 4 | 4 | 5 |
| KH8 = 32 | 6 | 7 | 7 | 4 | 5 | 1 | 2* | 2* | 2* | 2* | 2* | 2* | 1* | 1* | 2* | 4* | 6* | 4 | 8* | 8* | 8* | 6* | 4 | 5 |
| CN = 33 | 9 | 9 | 8 | 5 | - | - | - | 4 | 9+ | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| SU = 34 | 9+ | 9+ | 9 | 4 | 5 | 3 | 9 | 9 | 8 | 6 | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 1 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | - | 3* | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 6 | 1 | 4* | 3* | 1* | 5 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | 3* | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 2 | - | - | - | - |
| FR = 39 | - | - | 1* | 2* | 1* | - | 5 | 8 | 7 | 6 | 9 | 7 | 6 | 7 | 8 | 9 | 9 | 7 | - | - | - | - | - | - |
| FJL = 40 | 2 | 1 | 1 | - | - | 4 | 6 | 7 | 6 | 5 | 5 | 5 | 2 | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jul., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | 3 | 4 | 2 | 1 | - | 1 | - | 1* | 3* | 2* | 1* | - | - | - | - | - | 1* | 4* | 6* | 2* | - | 2 | 2 |
| VO2 = 02 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 6 | 5 | 7 | 9 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | 4* | 4* | 4* | 2* | - | - | - | 2 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 8 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | 1 | 5 | 5 | 4 | 4 | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 8 | 7 | - | - | 1 | 7 | 8 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 5 | - | 4* | 5* | 4 | 2* | 1* | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 9 | 9 | 8 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 8 | 7 | - | 4* | 5* | 8 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 2 | 3 | 3 | 2 | 2 | - | - | 3* | - | 1 | 9 | 9 | 9 | 8 | 8 | 5 | 8 | 9 | 9 | 9+ | 9+ | 8 | 6 | 3 |
| P4 = 09 | 5 | 5 | 5 | 3 | 3 | - | - | 5* | 2* | 1 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 8 | 5 |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 8 | 5 | - | 4* | 4* | 1* | - | 6 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2* | - | - | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9+ | 9+ | 7 | - | - | - | - | - | - | - | - | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 6 | - | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 9 | 8 | 4 | - | - | - | 3 | 9 | 9 | 8 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 8 |
| I = 15 | 8 | 8 | 8 | 2 | - | - | - | 6 | 9 | 9 | 8 | 8 | 7 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 |
| UA3 = 16 | 9 | 8 | 6 | 5 | - | - | - | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| UN = 17 | 6 | 6 | 8 | 8 | 4 | 2 | 8 | 7 | 6 | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| UA9 = 18 | 1* | - | 2 | 8 | 2 | - | 1 | 8 | 5 | 4 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 4 | 3* | 1* |
| UA0 = 19 | 1 | 1 | 1 | 5 | - | - | 1 | 5 | 4 | 7* | 6* | 4 | 4 | 4 | 5 | 6 | 7 | 6 | 6* | 5* | 6* | 5* | 2* | - |
| 4X = 20 | 9+ | 9 | 3 | - | - | - | 7 | 9 | 8 | 8 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 7 | 6 | 6 | - | 6 | 8 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VU = 22 | 9 | 8 | 9 | 9 | 5 | 2 | 7 | 5 | 3 | 2 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 5 | 7 | 8 | 6 | 1 | - | 3 | 6 | 5 | 6* | 4 | 5 | 3 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 4 | 3* | 4 |
| VR2 = 24 | 8 | 9 | 8 | 6 | 1* | - | 2 | 2 | 2 | 7* | 7* | 5* | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 4 |
| JA1 = 25 | 8 | 7 | 7 | 6 | 1 | - | 2 | 5 | 4 | 8* | 8* | 6* | 4 | 5 | 6 | 7 | 8 | 9 | 8 | 6 | 5* | 7 | 9 | 9 |
| HS = 26 | 6 | 9 | 8 | 4 | 1* | - | 2 | 5 | 3 | 6* | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| DU = 27 | 9 | 9 | 8 | 4 | 1* | 1* | 1 | 4 | 4 | 8* | 7* | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 8 |
| YB = 28 | 2* | 2* | 2* | 1* | - | - | - | 3 | 4 | 6* | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 6 | 3* | - | - | - | - | 2* |
| VK6 = 29 | 2* | 2* | 1* | 1* | - | - | - | 1 | 7 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 1* | 1* | 1* | 1* | 1* | - | - | - | 9 | 5* | - | - | - | - | - | - | - | - | - | - | 1* | 5* | 3* | 2* |
| KH6 = 31 | 5 | 7 | 8 | 8 | 8 | 5 | - | 4* | 6* | 9 | 8 | 7 | 5 | 2 | 4* | 5* | 4 | 5 | 6 | 7* | 6* | 5 | 5 | 4 |
| KH8 = 32 | 6 | 7 | 4* | 4* | 1* | - | 3* | 4* | 4* | 4* | 4* | 3* | 2* | 2* | 4* | 5* | 4* | - | 8 | 8* | 8* | 7* | 5 | 6 |
| CN = 33 | 3 | 4 | 3 | - | - | - | - | - | 5 | 7 | 6 | 2 | 1 | 1 | 2 | 5 | 7 | 7 | 7 | 6 | 6* | 4 | 2 | 2 |
| SU = 34 | 9+ | 9 | 3 | - | - | - | 6 | 9 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9 | 9 | 9 | 8 | 1 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9+ | 9 | 7 | 2 | - | 2* | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 5 | - | - | 4* | 4* | 1* | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | - | 2* | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 3 | - | - | - | - | - |
| FR = 39 | - | - | - | 3* | 1* | - | - | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 4 | 3 | 3 | 2 | 3 | 1 | 2 | 4 | 6 | 4 | 3 | 2 | 1 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jul., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | - | - | - | - |
| VO2 = 02 | 6 | 7 | 6 | 4 | 4 | 1 | - | 1 | - | 2 | 7 | 6 | 6 | 4 | 5 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 6 |
| W6 = 03 | 6 | 6 | 5 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | 2* | 2 | 4 | 4 | 3 | 4 | 5 |
| W9 = 04 | 1 | 3 | 3 | 2 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 2 | 4 | 4 | 5 | 6 | 7 | 2 |
| W3 = 05 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | 1 | 4 | 2 | 6 | 6 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 |
| XE1 = 06 | 2 | 2 | 2 | 1 | 3 | - | - | 4* | 4* | 2* | 1* | - | - | 3 | 5 | 5 | 6 | 9 | 9 | 8 | 8 | 8 | 6 | 3 |
| TI = 07 | 7 | 7 | 6 | 5 | 5 | 2 | - | 4* | 3* | 3 | - | 3 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 3 | 9 | 9 | 1 | - | - | 1 | 4 | 5 | 5 | 5 | 3 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | 4* | - | - | 1 | 9 | 9 | 8 | 4 | 2 | 3 | 6 | 7 | 7 | 7 | 5 | 2* | - |
| HC = 10 | 8 | 8 | 7 | 5 | 4 | 1 | - | 5* | 2* | - | - | 1 | 4 | 4 | 3 | 3 | 5 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| PY1 = 11 | 9+ | 9+ | 9 | 5 | 7 | 1 | - | - | - | 9 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ |
| CE = 12 | 9+ | 7 | - | - | - | - | - | - | - | - | - | - | 9 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 7 | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| G = 14 | 4 | 4 | 3 | - | - | - | - | - | 3 | 2 | 1 | 1 | 4 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 3 | 3 |
| I = 15 | 2 | 3 | 2 | - | - | - | - | - | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 3 | 5 | 5 | 5 | 5 | 3 | 2 | 1 | 2 |
| UA3 = 16 | 5 | 1 | - | - | - | - | - | 1 | 4 | 7 | 8 | 7 | 6 | 6 | 6 | 7 | 4 | 6 | 6 | 9 | 9 | 8 | 7 | 6 |
| UN = 17 | 2* | 1 | 5 | 7 | - | - | 5 | 8 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | 2 |
| UA9 = 18 | - | - | - | 5 | - | - | - | 8 | 6 | 4 | 5 | 5 | 4 | 3 | 3 | 5 | 6 | 6 | 6 | 5 | 2 | - | 1* | - |
| UA0 = 19 | - | - | - | 2 | - | - | - | 2 | 2 | 8* | 6* | 4* | 3* | 2 | 3 | 4 | 4 | 2* | 1* | 1* | 3* | 5* | 1* | - |
| 4X = 20 | 8 | 5 | - | - | - | - | 1 | 9 | 8 | 5 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| HZ = 21 | 9 | 7 | 3* | 1 | 1 | - | 4 | 9 | 7 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 5 | 5 | 8 | 8 | 1 | - | 6 | 7 | 6 | 4 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 8 |
| JT = 23 | 1* | 1 | 4 | 3 | - | - | 1 | 6 | 5 | 5* | 4 | 2 | 2 | 2 | 2 | 4 | 4 | 5 | 8 | 6 | 1 | - | 4* | 2* |
| VR2 = 24 | 4 | 8 | 8 | 5 | 1* | - | 1 | 5 | 4 | 4 | 7* | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 2 | - | 2* |
| JA1 = 25 | 6 | 5 | 4 | 4 | - | - | - | 5 | 3 | 6* | 8* | 6* | 4 | 4 | 6 | 7 | 7 | 6 | 3 | 1 | - | 4* | 5 | 7 |
| HS = 26 | 5* | 8 | 6 | 3* | 1* | - | - | 5 | 5 | 5 | 6* | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 2* |
| DU = 27 | 8 | 8 | 7 | 2* | 1* | - | 1 | 6 | 6 | 5* | 7* | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 4* | 5 |
| YB = 28 | 2* | 2* | 1* | - | - | - | - | 4 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 5* | 1* | - | - | - | - | 2* |
| VK6 = 29 | 1* | 1* | - | - | - | - | - | - | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | 1* | 1* | 1* | - | - | - | - | - | 7 | 1* | - | - | - | - | - | - | - | - | - | - | - | 5* | 2* | 1* |
| KH6 = 31 | 1 | 2 | 3 | 2 | 4 | 1 | - | 2* | 7* | 9 | 7 | 5 | 4* | 3* | 4* | 3* | 2 | 5 | 5 | 6* | 7 | 5 | 3 | 1 |
| KH8 = 32 | 5 | 4* | 4* | 2* | - | - | 1* | 6* | 5* | 5* | 5* | 5* | 4* | 4* | 5* | 5* | - | - | 8 | 8 | 8 | 7 | 7 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 9 | 9 | 8 | 1 | 1 | 2 | 2* | 2* | 9+ | 9+ | 9 | 9 |
| SU = 34 | 8 | 5 | - | - | - | - | 1 | 9 | 5 | 1 | 4 | 8 | 8 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 |
| 6W = 35 | 6 | 8 | 7 | 1 | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 4 |
| D2 = 36 | 9 | 4 | - | - | - | 1* | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 5* | 2* | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 6 | 4 | 7 | 9+ | 9+ | 4 | - | - | - | - | - | - |
| FR = 39 | - | - | - | 1* | - | - | - | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Aug., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 2 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 3 | 5 | 5 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 4 | 4 | 4 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 4 | 4 | 4 | 3 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 3 | 4 | 4 | 3 | 3 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 3 | 3 | 4 | 3 | 3 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| CE = 12 | 2 | 2 | 3 | 3 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| G = 14 | 3 | 4 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 5 |
| I = 15 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| UA3 = 16 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 3 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| HZ = 21 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 5 | 5 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 1 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 5 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| SU = 34 | 3 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Aug., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 9 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| W6 = 03 | - | - | - | 1 | 3 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 5 | 5 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 6 | 8 | 8 | 9 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | - | 4 | 6 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 7 | 7 | 7 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 8 | 7 | 7 | 7 | 6 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 6 | 7 | 7 | 6 | 6 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| HC = 10 | 6 | 6 | 7 | 6 | 6 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 |
| CE = 12 | 5 | 5 | 6 | 6 | 6 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| G = 14 | 6 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 8 |
| I = 15 | 6 | 6 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| UA3 = 16 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 6 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 |
| HZ = 21 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 7 | 8 | 8 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 6 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | 3 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 1 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 8 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| SU = 34 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 8 |
| FJL = 40 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Aug., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | 4 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| W6 = 03 | - | 2 | 5 | 6 | 7 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W3 = 05 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| XE1 = 06 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 |
| HC = 10 | 9 | 8 | 9 | 8 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| I = 15 | 9 | 8 | 8 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 8 | 9 | 7 |
| UN = 17 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 7 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 5 | 5 | 3 | 1 | - |
| 4X = 20 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 7 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 2 | 6 | 7 | 7 | 6 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 3 | - | - |
| HS = 26 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | - | - | 2 | 5 | 7 | 6 | 4 | - |
| YB = 28 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 |
| VK6 = 29 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 | 1 | - |
| KH6 = 31 | - | - | - | - | 2 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| KH8 = 32 | - | - | - | - | 1 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 8 |
| FJL = 40 | 7 | 7 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Aug., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | 3 | 5 | 7 | 6 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 |
| W6 = 03 | 3 | 5 | 7 | 7 | 8 | 8 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 7 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 9 | 9 | 8 |
| UN = 17 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 2 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 7 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 6 | 3 | 1 |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | - | 2 | 6 | 7 | 8 | 7 | 6 | 3 |
| YB = 28 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 5 | 6 | 5 | 1 |
| KH6 = 31 | - | - | - | 4 | 6 | 7 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 3 | 1 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 2 | 1 | 1 | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | 3 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| FR = 39 | 6 | 5 | 1 | 2 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 8 | 8 | 8 | 7 |
| FJL = 40 | 7 | 7 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 8 | 8 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Aug., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | - | - | - | - | - | 1* | 2 | 3* | 1 | 2 | 2 | 5 | 6 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 3 | 1 | - | - | - | - | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| W9 = 04 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | 1 | 1 | 2 | 4 | 7 | 8 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | 2 | 4 | 6 | 8 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 2 | - | - | - | - | 1 | 1 | 3 | 6 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 6 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 6 | 1 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 7 | 1 | - | - | - | 1 | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 7 | 1 | - | - | 1 | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | 1 | - | - | - | - | - | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| UN = 17 | 9 | 9 | 9 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 9 | 8 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9+ | 9 | 9 |
| UA0 = 19 | 5 | 1 | 1 | 1 | - | - | - | 2* | 3* | 2* | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 5 | 2 | - | - | - | - | - | 2* | 1* | - | - | 3 | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| JA1 = 25 | 2 | - | - | - | - | - | 2* | 4* | 5* | 4* | 1* | - | - | - | - | - | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| HS = 26 | 9 | 9 | 7 | 4 | - | - | - | - | - | 1* | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 7 | 4 | 1 | - | - | - | - | 1* | 2* | 2* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 8 | 7 | 2 | - | - | - | - | 1* | 1* | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| VK6 = 29 | 8 | 7 | 5 | 2 | - | - | - | 1 | - | - | - | - | - | - | 1 | 1 | - | 1 | 6 | 8 | 7 | 1 | 1* | 2 |
| VK3 = 30 | 5 | 3 | - | - | - | 1 | 2 | 6 | 8 | 3 | 1 | - | - | - | - | - | 5 | 7 | 7 | 2 | 2* | 4 | 8 | 7 |
| KH6 = 31 | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 2* | 3* | 4* | 2* | - | - | - | - |
| KH8 = 32 | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 2* | 5* | 8 | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 2 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | - | - | - | - | 1 | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | 2 | 3 | - | - | - | 9 | 9 | 8 | 3 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 |
| FR = 39 | 1 | - | - | - | 7 | 7 | 6 | 2 | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 7 | 4 | 1 |
| FJL = 40 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Aug., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 6 | 5 | 3 | 2 | 1 | - | - | 1 | 3 | 8 | 6 | 8 | 8 | 9 | 8 | 9 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9 | 8 | 7 | 5 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 6 | 7 | 2 | 1* | 1 | 2 | - | - | 1 | 2 | 3 | 3 | 4 | 5 | 6 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 5 | 7 | 3 | 2 | 2 | 1 | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 9 | 9 | 8 | 7 | 5 | 3 | 1 | 1 | 4 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9 | 9 | 7 | 7 | 4 | 1 | 1 | - | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 7 | 5 | 4 | 1 | - | 3 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 3* | 9+ | 9+ | 9+ | 9 | 7 | 4 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 1* | 9+ | 9+ | 9 | 9 | 7 | 4 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 9+ | 9 | 9 | 8 | 5 | 4 | 1 | 2 | 4 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 4 | - | 9 | 9 | 6 | 2 | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | 1 | 2 | 4 | 9+ | 9 | 7 | 4 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 4 | 9+ | 9 | 7 | 5 | 3 | 2 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 1* | 2 | 9+ | 9 | 7 | 5 | 3 | 3 | 3 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9 | 9 | 8 | 1 | 4 | 8 | 5 | 7 | 1 | 1 | 1 | 1 | 2 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 2 | 1 | 1 | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| UA9 = 18 | 8 | 9 | 9 | 9 | 8 | 3 | 4 | 3 | 2* | 2 | 1 | 1 | - | - | 1 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| UA0 = 19 | 8 | 8 | 6 | 3 | 3 | - | 3 | 6 | 6 | 8 | 3* | 1* | - | - | 1 | 2 | 7 | 9 | 9 | 8 | 7 | 7 | 8 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9 | 8 | 6 | 3 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 6 | 5 | 1 | 1 | 1 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9+ | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | 1 | - | 1 | 1 | 1 | 3 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| JT = 23 | 9 | 8 | 8 | 7 | 5 | 1 | 3 | 2 | 2 | 2 | 1 | 1* | - | - | 2 | 5 | 7 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 |
| VR2 = 24 | 9 | 8 | 6 | 2 | 1 | - | - | 2* | 4* | 5* | 3* | 1* | - | - | 2 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| JA1 = 25 | 8 | 3 | 1 | 1 | 1 | 1* | 2* | 7 | 8* | 8 | 5* | 1* | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 4 | - | - | - | 2* | 2* | 2* | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 8 | 8 | 5 | 1 | - | - | 2* | 3* | 8 | 6* | 4* | 2* | - | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 9 | 7 | 2 | - | - | - | - | 3* | 3* | 3* | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 1 | 1* |
| VK6 = 29 | 2 | - | - | - | - | - | 1* | 4 | 7 | 8 | 2 | 1 | 1 | 2 | 2 | - | 1* | 1* | 1* | - | - | 1* | 1* | 1* |
| VK3 = 30 | 1 | 1 | - | - | 1* | 3* | 3* | 8 | 8 | 5 | 5 | 2 | - | - | - | - | 1 | 3 | 1 | - | 3* | 2* | 6 | 5 |
| KH6 = 31 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 6 | 9 | 9 | 8 | 6 | 2 | - | - | 3* | 5* | 8 | 8 | 6* | 4* | 1 | 1 | 2 |
| KH8 = 32 | 1 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 7 | 4 | 2 | - | - | 2* | 6* | 8* | 8* | 8* | 7* | 4* | 1 | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 9+ | 9+ | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9 | 9 | 7 | 4 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 3 | 3 | 2 | 9 | 9 | 8 | 5 | 4 | 4 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | 2* | 1 | 9+ | 9 | 8 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 2 | - |
| FR = 39 | - | - | 1* | 1* | 1* | 1 | 8 | 7 | 3 | 2 | 3 | 4 | 5 | 4 | 6 | 8 | 9 | 9 | 9+ | 8 | 1 | 1 | - | - |
| FJL = 40 | 7 | 4 | 1 | 1 | 5 | 8 | 7 | 9 | 7 | 7 | 6 | 5 | 3 | 1 | 2 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Aug., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | 3 | 6* | 4* | 2* | 1 | 1 | - | 1 | 2 | 3 | 5 | 6 | 7 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 4* | 4* | 3* | 1* | 1* | - | 1 | 2 | 3 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 1 | 1 | 1 | - | 4 | 6 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 1 | 7 | 9 | 8 | 8 | 5 | 5 | 5 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 3* | 6 | 8 | 1* | 2 | 6 | 3 | 2 | 4 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2* | 8 | 8 | 8 | 8 | 7 | 5 | 5 | 3 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1* | 2* | 1 | 9+ | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1* | 2* | 2* | 9 | 9 | 9 | 8 | 7 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 7 | 2 | 8 | 4 | 7 | 9 | 8 | 5 | 3 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 8 | 9 | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | - | - | 2 | 9 | 7 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | - | - | 9+ | 9 | 8 | 7 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 8 | - | - | 9 | 9 | 8 | 6 | 5 | 4 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 2 | - | - | 9 | 9 | 9 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9 | 9 | 9 | 5 | - | - | 8 | 7 | 5 | 9 | 6 | 6 | 6 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 8 | 8 | 9 | 9 | 6 | 2 | 6 | 4 | 3 | 2 | 8 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA9 = 18 | 1* | 2 | 7 | 9 | 6 | - | 2 | 7 | 5 | 7 | 7 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 5 | 1 | - |
| UA0 = 19 | 7 | 8 | 7 | 8 | 4 | - | 1 | 7 | 5* | 7* | 5* | 4 | 3 | 3 | 4 | 6 | 7 | 7 | 6* | 6* | 5* | 3* | 2 | 6 |
| 4X = 20 | 9+ | 9+ | 9+ | 8 | 4 | 1* | 8 | 9 | 8 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 3 | 3 | 2 | 6 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | 2 | 1 | 1 | 9 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| JT = 23 | 7 | 7 | 8 | 8 | 2 | - | 2 | 5 | 5 | 6 | 6 | 3 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 4 | 2 | 4 |
| VR2 = 24 | 9 | 8 | 8 | 7 | 3 | 1* | 2 | 1 | 6 | 6* | 6 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| JA1 = 25 | 8 | 8 | 7 | 6 | 2 | 1* | 1 | 5 | 6* | 8* | 6* | 4* | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 8 | 6 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 2 | 1 | 2 | 2 | 2 | 7 | 7 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| DU = 27 | 8 | 8 | 8 | 5 | - | 2* | 2 | 2 | 5 | 7* | 6 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 6 | 7 | 2 | - | - | - | 1 | 1 | 7 | 5 | 6 | 2 | 3 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1* | 1* |
| VK6 = 29 | 1* | 1* | 1* | - | 1* | 1* | - | 5 | 5 | 5 | 3 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | 2* | 1* |
| VK3 = 30 | 1* | - | 1* | 1* | 2* | 2* | 1* | 1 | 8 | 7 | 5 | 2* | 1* | - | - | - | - | - | - | - | 4* | 3* | 2* | 1 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 9 | 5 | 2* | 8 | 9 | 8 | 7 | 5 | 2 | 2* | 4* | 6 | 6 | 6 | 7 | 6* | 4 | 3 | 5 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 8 | 5 | 2 | 8 | 7 | 3* | 2* | 1* | 1* | 2* | 5* | 7* | 7* | 8* | 8* | 8* | 6* | 4* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 2 | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 4 | 1* | 8 | 9 | 8 | 6 | 4 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 4 | 2* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 5 | 4* | 4* | 1* | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 3* | 2* | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | - |
| FR = 39 | - | - | 1* | 2* | 1* | - | 7 | 8 | 6 | 5 | 6 | 7 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 1 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | 3 | 1 | 8 | 7 | 7 | 5 | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Aug., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 3 | 3 | 2 | 1 | 1 | - | - | 1* | 1* | - | - | - | - | - | - | 1 | 1 | 2 | 4* | 5* | 2 | 3 | 5 |
| VO2 = 02 | 9 | 9 | 9 | 8 | 7 | 8 | 1 | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 7 | 4 | - | 3* | 2* | 1* | 1* | - | - | - | 1 | 4 | 5 | 5 | 6 | 6 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 9 | 8 | 8 | 7 | - | - | - | - | - | - | 5 | 6 | 5 | 6 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9+ | 9+ | 8 | 5 | - | - | - | 6 | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 7 | - | 5* | 5* | 3* | 1* | - | 4 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9 | 9 | 9 | 8 | 1 | 4* | 4* | 3 | - | 7 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| VP2 = 08 | 7 | 9 | 9+ | 9 | 8 | 1 | - | - | - | 3 | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 7 |
| P4 = 09 | 8 | 9+ | 9+ | 9+ | 8 | 2 | - | 3* | 1* | - | 9 | 9 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 4* | 4* | 2* | - | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 7 | 4 | 1 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 7 | 4 | - | - | - | - | - | 6 | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 8 | 7 | 4 | 1 | - | - | - | 9 | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| I = 15 | 8 | 9+ | 9+ | 6 | - | - | - | 1 | 9 | 9 | 8 | 8 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 6 | 6 |
| UA3 = 16 | 8 | 5 | 2 | 2 | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| UN = 17 | 1 | 2 | 7 | 9 | 3 | - | 5 | 7 | 6 | 5 | 5 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 4 | 2 |
| UA9 = 18 | 1* | 2* | 1* | 6 | 1 | - | - | 8 | 5 | 5 | 4 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 6 | 2 | - | - | 1* |
| UA0 = 19 | 1 | 3 | 3 | 7 | - | - | - | 6 | 5 | 7* | 6* | 5 | 4 | 4 | 4 | 4 | 4* | 4* | 4* | 4* | 4* | 5* | 3* | 2* |
| 4X = 20 | 9+ | 9+ | 8 | 3* | 2* | - | 2 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 8 | 5 | 6 | 2 | 6 | 8 | 8 | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 7 | 7 | 8 | 9 | 5 | 2 | 7 | 6 | 5 | 4 | 4 | 4 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| JT = 23 | 2* | 2* | 8 | 7 | - | - | - | 6 | 5 | 6* | 4* | 4 | 4 | 4 | 5 | 6 | 6 | 8 | 7 | 5 | - | 1* | 2* | 1* |
| VR2 = 24 | 8 | 9 | 9 | 7 | 1 | 1* | 4 | 3 | 2 | 7* | 6* | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 5 |
| JA1 = 25 | 8 | 7 | 7 | 6 | 1* | - | - | 6 | 4 | 8* | 7* | 5 | 4 | 4 | 5 | 6 | 6 | 6 | 4 | 1 | 4* | 4* | 8 | 8 |
| HS = 26 | 6 | 9 | 9 | 6 | 1* | 1* | 3 | 5 | 4 | 6* | 5 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| DU = 27 | 9 | 9 | 8 | 6 | 2* | 2* | 3 | 3 | 4 | 8* | 7* | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 |
| YB = 28 | 3* | 3* | 2* | 1* | 1* | - | - | 5 | 4 | 6* | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 8 | 7 | 2 | - | 1* | 2* |
| VK6 = 29 | 2* | 1* | 1* | 1* | 1* | 1* | - | 3 | 7 | 6 | 6 | 5 | 5 | - | - | - | - | - | - | - | - | - | 3* | 2* |
| VK3 = 30 | 1* | 1* | 1* | 2* | 2* | 1* | - | - | 8 | 5 | 3* | 1* | - | - | - | - | - | - | - | - | 1* | 5* | 3* | 2* |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 7 | - | 4* | 5* | 9 | 8 | 6 | 3 | 2* | 3* | 4* | 5 | 5 | 5 | 7* | 7* | 6 | 6 | 6 |
| KH8 = 32 | 6 | 8 | 8 | 8 | 8 | 5 | 1* | 4* | 4* | 4* | 4* | 4* | 3* | 2* | 4* | 6* | 6* | 2* | 7 | 9* | 8* | 7* | 5 | 5 |
| CN = 33 | 5 | 8 | 7 | 2 | - | - | - | - | 7 | 9+ | 6 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9 | 8 | 6 | 2 | 2 |
| SU = 34 | 9+ | 9+ | 8 | 4* | 2* | - | 1 | 9 | 9 | 8 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9 | 9+ | 9+ | 9 | 1 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| D2 = 36 | 9+ | 9+ | 9 | 7 | - | 4* | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 2 | - | 5* | 4* | 2* | 2 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | 1* | - | 1 | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 2 | - | - | - | - |
| FR = 39 | - | - | 1* | 4* | 2* | - | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 2 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 3 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 2 | 5 | 6 | 7 | 6 | 5 | 2 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Aug., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | - | - | - |
| VO2 = 02 | 8 | 7 | 5 | 4 | 2 | 3 | - | - | - | 2 | 6 | 7 | 7 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| W6 = 03 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 4 | 5 | 6 | 7 | 8 | 8 |
| W9 = 04 | 8 | 7 | 5 | 3 | 2 | 2 | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | 4 | 5 | 5 | 6 | 7 | 8 | 8 |
| W3 = 05 | 8 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | 1 | 3 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 6 | 8 | 8 | 8 | 7 | 2 | - | 4* | 3* | 1* | - | - | - | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |
| TI = 07 | 8 | 9 | 9 | 9 | 8 | 5 | - | 6* | 3* | - | - | 1 | 8 | 8 | 8 | 7 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | - | 3 | 5 | 3 | 2 | - | - | - | - | - | 6 | 9 | 9 | 8 | 4 | 5 | 6 | 8 | 9 | 8 | 8 | 7 | 4 | 1 |
| P4 = 09 | 1 | 5 | 6 | 4 | 2 | - | - | 1* | - | - | 1 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 5 | - | 5* | 4* | 1* | - | 2 | 8 | 8 | 6 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9 | 7 | 9+ | 9+ | 9+ | 8 | 2 | - | - | 9+ | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 8 | 5 | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 5 | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 2 | 1 | - | - | - | - | - | 6 | 8 | 5 | 4 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 6 | 3 |
| I = 15 | 3 | 6 | 6 | - | - | - | - | - | 6 | 8 | 8 | 2 | 1 | 1 | 2 | 5 | 7 | 7 | 7 | 7 | 5 | 2 | - | 1 |
| UA3 = 16 | 1 | - | - | - | - | - | - | - | 7 | 6 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 8 | 8 | 9 | 9 | 7 | 6 | 5 |
| UN = 17 | - | 2* | 3* | 7 | - | - | 1 | 8 | 7 | 6 | 5 | 6 | 7 | 7 | 7 | 8 | 8 | 6 | 5 | 4 | 2 | 1 | - | - |
| UA9 = 18 | - | 1* | - | - | - | - | - | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - |
| UA0 = 19 | 2* | - | - | 4 | - | - | - | 1 | 3 | 7* | 7* | 5* | 4 | 2 | 2 | 1 | 1* | 1* | - | - | 1* | 4* | 4* | 3* |
| 4X = 20 | 9 | 9 | 1 | 1* | 1* | - | - | 9 | 9 | 8 | 7 | 8 | 8 | 5 | 5 | 7 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 7 |
| HZ = 21 | 9 | 8 | 4* | 5* | 4* | 1* | 2 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | 2* | 3* | 6 | 8 | 2* | - | 6 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 5 |
| JT = 23 | 2* | 3* | 2 | 4 | - | - | - | 6 | 4 | 5 | 5* | 2 | 2 | 3 | 3 | 3 | 1 | 3 | 1 | - | - | - | 2* | 2* |
| VR2 = 24 | 6 | 9 | 8 | 6 | 2* | 1* | 2 | 5 | 4 | 6* | 7* | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 2* | 4* |
| JA1 = 25 | 5 | 5 | 4 | 4 | - | - | - | 4 | 4 | 6* | 8* | 6* | 4* | 3* | 3* | 4* | 5* | 3* | - | - | - | 4* | 5* | 5* |
| HS = 26 | 5* | 8 | 8 | 4* | 2* | 1* | 2 | 6 | 5 | 6* | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4* |
| DU = 27 | 8 | 9 | 8 | 4 | 2* | 3* | 2 | 6 | 5 | 8* | 8* | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 5 |
| YB = 28 | 4* | 4* | 2* | 1* | 1* | - | - | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 1 | - | - | - | 3* |
| VK6 = 29 | 2* | 2* | 1* | 1* | 1* | - | - | - | 7 | 7 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 1* | 1* | 2* | 1* | 1* | - | - | - | 6 | 3* | 1* | - | - | - | - | - | - | - | - | - | - | 5* | 4* | 2* |
| KH6 = 31 | 5 | 7 | 8 | 8 | 7 | 3 | - | 4* | 6* | 9 | 6 | 5* | 4* | 3* | 4* | 2* | 3 | 6 | 6 | 6 | 7 | 6 | 5 | 4 |
| KH8 = 32 | 7 | 8 | 8 | 6 | 5 | 1 | - | 6* | 6* | 5* | 5* | 5* | 4* | 4* | 5* | 6* | 2* | - | 7 | 8* | 8* | 7 | 7 | 7 |
| CN = 33 | - | 2 | 1 | - | - | - | - | - | - | 3 | - | 9 | 9 | 9 | - | 2 | 4 | 5 | 5 | 5 | 4 | 9+ | 9 | 9 |
| SU = 34 | 8 | 9 | 2 | 1* | 1* | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 4 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 6 |
| 6W = 35 | 6 | 8 | 9 | 4 | - | - | - | - | 6 | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | 2 |
| D2 = 36 | 9+ | 8 | 4 | 1 | - | 2* | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 5 | - | - | 4* | 5* | 2* | - | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | - | 1* | - | - | 9+ | 9 | 9 | 9 | 7 | 6 | 9 | 9+ | 9+ | 9+ | 5 | - | - | - | - | - |
| FR = 39 | - | - | - | 3* | 1* | - | - | 8 | 8 | 8 | 9 | 8 | 7 | 8 | 8 | 9 | 8 | 5 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 2 | 1 | 1 | 2 | 1 | - | 1 | 2 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Sep., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W6 = 03 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 5 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | - | 1 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 3 | 4 | 3 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 4 | 3 | 3 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 |
| P4 = 09 | 5 | 4 | 3 | 3 | 2 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 9 |
| CE = 12 | 3 | 3 | 2 | 2 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| G = 14 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| I = 15 | 5 | 3 | 2 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 |
| UA3 = 16 | 4 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| HZ = 21 | 1 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 1 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 1 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 |
| SU = 34 | 4 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| FJL = 40 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Sep., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| W6 = 03 | - | - | 1 | 2 | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 6 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 8 | 9 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | 1 | 4 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 6 | 7 | 6 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 8 | 7 | 6 | 6 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 |
| P4 = 09 | 8 | 7 | 6 | 6 | 5 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 |
| HC = 10 | 6 | 6 | 6 | 5 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9+ |
| CE = 12 | 6 | 6 | 5 | 5 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| LU = 13 | 8 | 9 | 8 | 8 | 9 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| G = 14 | 8 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 7 |
| I = 15 | 8 | 6 | 5 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 8 |
| UA3 = 16 | 7 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| UN = 17 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 |
| HZ = 21 | 4 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 7 | 4 |
| VU = 22 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 6 | 6 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 3 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - |
| VK3 = 30 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 |
| SU = 34 | 7 | 5 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 |
| FJL = 40 | 5 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Sep., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 1 | 4 | 5 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 |
| W6 = 03 | 1 | 4 | 6 | 7 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | - |
| W9 = 04 | 7 | 8 | 9 | 8 | 8 | 9 | 7 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| XE1 = 06 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| LU = 13 | 9 | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 7 | 8 |
| UN = 17 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 7 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 2 | - |
| 4X = 20 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 |
| JT = 23 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 7 | 6 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 6 | 2 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 4 | 1 | - |
| HS = 26 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 7 | 6 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 2 | 6 | 7 | 6 | 4 | 1 |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 6 | 7 | 7 | 6 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 4 | 2 | - | - | - | - | - | - | 2 | 5 | 5 | 1 | - | - |
| KH6 = 31 | - | - | - | - | 5 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| KH8 = 32 | - | - | - | - | 1 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Sep., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 3 | 5 | 7 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 |
| W6 = 03 | 4 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 7 | 2 |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 9 | 9 |
| LU = 13 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 8 | 9 |
| UN = 17 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 9 |
| UA9 = 18 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 7 | 7 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 7 | 6 | 2 |
| 4X = 20 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 6 | 7 |
| JT = 23 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 5 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 7 | 5 | 1 |
| HS = 26 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - | 2 | 6 | 7 | 8 | 7 | 6 | 4 |
| YB = 28 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 5 | - |
| KH6 = 31 | - | - | - | 5 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | - | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Sep., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | 1* | 2 | 4 | 3 | 5 | 6 | 7 | 7 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 2 | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | 1 | 1 | 2 | 6 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | 2 | 3 | 6 | 8 | 9 | 9 | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 2 | - | - | - | - | - | 2 | 3 | 6 | 9 | 9+ | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 5 | 1 | 1 | - | - | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 5 | 1 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 4 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| UA9 = 18 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 |
| UA0 = 19 | 6 | 4 | 2 | 1 | 1 | 1 | 1* | 3* | 3* | 1* | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| JT = 23 | 9 | 8 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 5 | 3 | 1 | - | - | - | - | 2* | 1* | - | - | - | - | - | - | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 3 | 1 | - | - | - | - | 3* | 5* | 5* | 3* | 1* | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| HS = 26 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 5 | 1 | - | - | - | - | 2* | 2* | 2* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 8 | 6 | 2 | - | - | - | - | 1* | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 6 | 2 | - | - | - | - | 1* | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| VK3 = 30 | 5 | 2 | 2 | 1 | 1 | - | 4 | 5 | 2 | 1 | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 7 |
| KH6 = 31 | 1 | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 2* | 5* | 4* | 3* | 1* | - | - | - |
| KH8 = 32 | - | - | 2 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | 2* | 5* | 6* | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 2 | 1 | - | 1 | 2 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | - | - | - | - | - | 1 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9+ | 7 | 6 | 8 | 9+ | 9 | 7 | 2 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FJL = 40 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | 1 | 2 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Sep., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 2 | 1 | - | - | - | 1 | 3 | 7 | 6 | 8 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 2 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 1 | 1 | 3 | 1 | - | 1 | 2 | 1 | 2 | 4 | 5 | 6 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 7 | 3 | 1 | 1 | 1 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 9 | 7 | 4 | 1 | - | 1 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 8 | - | 6 | 4 | 1 | - | 1 | 1 | 2 | 2 | 5 | 7 | 8 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | 1 | 3 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 3 | 9 | 9+ | 9+ | 8 | 6 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 9 | 9+ | 9 | 8 | 5 | 5 | 4 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 7 | 3 | 2 | - | 1 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | 1 | 1 | 3 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9+ | 9 | 6 | 5 | 4 | 2 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 6 | 5 | 1 | 1 | 1 | 3 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 2 | - | 1 | - | 2 | 1 | 1 | 2 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UA9 = 18 | 2 | 8 | 9 | 8 | 9 | 7 | 6 | 3 | 2 | 4 | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 2 |
| UA0 = 19 | 9 | 8 | 6 | 5 | 6 | 5 | 6 | 5* | 6* | 8 | 2* | 1 | - | - | 1 | 5 | 6 | 8 | 8 | 7 | 6 | 8 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 3 | 2 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 3 | 2 | 1 | 2 | 3 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | 1 | 1 | 1 | 1 | 1 | 3 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9+ |
| JT = 23 | 9 | 9 | 9 | 7 | 5 | 4 | 3 | 2 | 2* | 2* | 1* | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 7 |
| VR2 = 24 | 8 | 8 | 7 | 4 | - | - | 1* | 3* | 5* | 5* | 4* | 1* | - | - | - | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| JA1 = 25 | 8 | 5 | 3 | 2 | 2 | 4* | 5* | 7* | 8* | 6* | 4* | 1* | - | - | - | 5 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 9 | 8 | 5 | - | - | 1* | 1 | 2* | 2* | 1* | - | 1 | 3 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 9 | 8 | 6 | 3 | - | 1* | 3* | 4* | 8 | 6* | 5* | 2* | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 6 | 1 | - | - | 1* | 3* | 3* | 3* | - | - | - | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 9 | 9 | 7 | 5 | 1 | - | 2 | 2 | 9 | 1 | 2* | 1 | 1 | 1 | 2 | 6 | 6 | 4 | 2* | 2* | 3 | 2* | 1* | 1* |
| VK3 = 30 | 8 | 7 | 4 | 3 | 3 | 2 | 5 | 7 | 6 | 5 | 3 | 1 | 1 | - | 1 | 3 | 5 | 5 | 4* | 4* | 5 | 8 | 8 | 8 |
| KH6 = 31 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 6 | 4 | - | - | 3* | 5* | 8 | 8 | 6* | 4* | 1 | 1 | 2 |
| KH8 = 32 | 1 | 5 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | 3* | 6* | 8* | 8* | 8* | 7* | 5* | 2* | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9+ | 9+ | 9 | 8 | 7 | 6 | 5 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 5 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 9+ | 9 | 8 | 5 | 5 | 3 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9 | 7 | 4 | 1* | 2* | 1* | 9+ | 9+ | 9 | 8 | 6 | 5 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 7 | 6 | 3 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | 1 | 2 | 5 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| FJL = 40 | 2 | 1* | 1* | 1* | 2* | 7 | 9 | 8 | 8 | 7 | 4 | 2 | 1 | 1 | 1 | 5 | 8 | 8 | 9 | 9+ | 9 | 9 | 7 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Sep., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 9 | 8 | 8 | 8 | 8 | 6 | 5* | 3* | 1* | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 7 | 4 | 1* | - | - | 4 | 2 | 2 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 5 | 7 | 6 | - | 8 | 6 | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 3 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 4 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2 | 8 | 5 | 1* | - | 6 | 4 | 2 | 1 | 2 | 4 | 5 | 6 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 8 | 5 | 6 | 8 | 7 | 4 | 2 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3* | 2* | 4 | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2* | 2* | 5 | 7 | 9+ | 9 | 8 | 7 | 6 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 9 | 1 | 9 | 8 | 7 | 4 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 9+ | 9 | 7 | 6 | 2 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 8 | 6 | 6 | 5 | 9+ | 9 | 8 | 7 | 5 | 4 | 3 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 7 | 4* | 5 | 9+ | 9 | 9 | 7 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 8 | 6 | 8 | 3 | 7 | 9 | 8 | 7 | 9 | 6 | 3 | 3 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| UN = 17 | 7 | 8 | 9 | 9 | 8 | 6 | 7 | 4 | 2 | 1 | 9 | 2 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| UA9 = 18 | - | 1 | 8 | 9 | 8 | 4 | 5 | 6 | 5 | 4 | 7 | 1 | 2 | 2 | 4 | 6 | 9 | 9 | 9 | 6 | 2 | - | - | - |
| UA0 = 19 | 9 | 8 | 8 | 8 | 7 | 2 | 5 | 6 | 8* | 6* | 4* | 4 | 1 | 1 | 1 | 4 | 3 | 4* | 5* | 5* | 3* | 2* | 6 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 3 | 4 | 5 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | 2 | 9 | 2 | 2 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| JT = 23 | 6 | 8 | 9 | 8 | 6 | 2 | 5 | 5 | 4* | 5 | 7 | 2 | 2 | 2 | 5 | 7 | 8 | 9 | 7 | 5 | 3 | 1 | - | - |
| VR2 = 24 | 9 | 8 | 8 | 6 | 2 | 1 | 2* | 3* | 6* | 6* | 7 | 2* | 1* | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 8 | 6 | 6 | 6 | 5 | 4* | 5* | 7* | 8* | 7* | 5* | 3* | 1 | 1 | 1 | 3 | 4 | 5 | 4 | 3* | 5 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 5 | 2 | 3 | 2 | 4* | 7 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 7 | 6 | 1 | 2* | 3* | 6 | 7* | 7* | 6* | 4* | 1 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 5 | 1 | - | 1 | 1 | 6 | 5 | 3* | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 7 | 8 |
| VK6 = 29 | 6 | 8 | 5 | 1 | - | - | 2 | 6 | 5 | 6 | 7 | 2 | 3 | 5 | 4 | 1 | 1* | 2* | 3* | 1* | - | 2* | 1* | 1* |
| VK3 = 30 | 8 | 6 | 4 | 2 | 1 | 3* | 4 | 8 | 7 | 5 | 4 | 2 | 1 | - | - | 1 | 2* | 2* | 2* | 4* | 5* | 4 | 7 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 9 | 6 | 4 | 9 | 9 | 8 | 6 | 4 | - | 1* | 4* | 6 | 5 | 7* | 7* | 5* | 3* | 2 | 4 |
| KH8 = 32 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | 4* | 6* | 7* | 8* | 8* | 8* | 6* | 4* | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | 2* | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9 | 9 | 9 | 7 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 5 | 2* | 9 | 9 | 9 | 7 | 7 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 5 | 1 | - | 2* | 3* | 2* | 4 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 4 | 1* | 1* | 5 | 4 | 4 | 9 | 7 | 6 | 5 | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 |
| FJL = 40 | 1* | 1* | 1* | 1* | 2* | 1* | 8 | 8 | 8 | 7 | 5 | 5 | 3 | 3 | 4 | 7 | 7 | 9 | 9 | 9 | 8 | 3 | - | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Sep., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 2 | 1 | 2 | 1 | - | 4* | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 5 | 6 | 6 | 6 | 6 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 5 | 1 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| W6 = 03 | 9 | 9+ | 9 | 8 | 8 | 6 | 1 | 1* | 2 | - | - | - | - | 2 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 8 | 8 | 8 | 8 | 7 | - | - | 2 | 1 | - | 2 | 7 | 6 | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 6 | - | - | 6 | 2 | 5 | 8 | 8 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 7 | 1* | 4* | 4* | 2* | 1* | - | 7 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 4* | 4 | 2* | - | 8 | 8 | 6 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 |
| P4 = 09 | 8 | 9+ | 9+ | 9+ | 8 | 2 | 2* | 1* | - | - | 9 | 9 | 9 | 8 | 7 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9 | 7 | 6 |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 9 | 5 | 4* | 4 | 2* | 5 | 8 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 8 | 9+ | 9+ | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 5* | 2 | - | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3* | 3* | 3 | 5 | 9+ | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 7 | 7 | 6 | 4 | 1 | - | 1* | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| I = 15 | 9 | 9+ | 9+ | 7 | 2 | 2* | 2* | 9+ | 9+ | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 8 | 6 | 5 | 5 | 8 |
| UA3 = 16 | 7 | 6 | 1 | 4* | 2* | 1* | 1 | 9 | 8 | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 9 | 8 |
| UN = 17 | 2 | 5 | 8 | 9 | 7 | 2 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 8 | 8 | 9 | 8 | 7 | 5 | 4 | 6 | 5 | 3 |
| UA9 = 18 | 1* | 1* | 2 | 8 | 6 | 1* | 2 | 8 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 7 | 2 | - | - | - | 1* | - |
| UA0 = 19 | 8 | 8 | 8 | 8 | 4 | 1* | 2 | 8 | 7* | 7* | 5 | 5 | 4 | 4 | 2 | 2* | 3* | 3* | 2* | 3* | 4* | 4* | 2* | 5 |
| 4X = 20 | 9+ | 9+ | 9+ | 5 | 4* | 2* | 7 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 8 | 7 | 7 | 9 | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 7 | 9 | 7 | 8 | 8 | 7 | 6 | 6 | 6 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 5 | 5 | 9 | 9 | 8 | 3 | 6 | 5 | 3 | 5 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| JT = 23 | 1* | 4 | 9 | 8 | 3 | 1* | 3 | 6 | 5 | 5* | 4 | 5 | 5 | 5 | 6 | 6 | 2 | 2 | - | - | - | 1* | 1* | 1* |
| VR2 = 24 | 8 | 8 | 8 | 7 | 5 | 2* | 3 | 2 | 5* | 7* | 6* | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 6 |
| JA1 = 25 | 8 | 8 | 7 | 7 | 3 | 4* | 4* | 7 | 8* | 8* | 7* | 5 | 4 | 2* | 2* | 2* | 4* | 5* | 2* | 2* | 3* | 3 | 9 | 9 |
| HS = 26 | 7 | 9 | 9 | 8 | 3 | 1* | 3 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 5 |
| DU = 27 | 9 | 8 | 8 | 7 | 3 | 2* | 4* | 4 | 6* | 8* | 7* | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 8 |
| YB = 28 | 8 | 9 | 8 | 2 | 1* | 1* | 1 | 5 | 3 | 6* | 5* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 3* | 2 |
| VK6 = 29 | 2* | 5 | 1* | - | 1* | 1* | - | 6 | 6 | 6* | 4 | 5 | 5 | 2 | 1* | 1* | 2* | 1* | - | - | - | 1* | 3* | 2* |
| VK3 = 30 | 7 | 5 | 1 | 2* | 3* | 3* | 1 | 8 | 7 | 5 | 4* | 3* | 2* | 1* | 1* | 1* | 1* | 1* | - | 1* | 5* | 4* | 4 | 7 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 8 | 1 | 3* | 4* | 9 | 8 | 6 | 2* | 3* | 4* | 5* | 5 | 5 | 6* | 8* | 7* | 5 | 5 | 5 |
| KH8 = 32 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 3* | 4* | 5* | 6* | 5 | 8* | 8* | 7* | 6* | 6 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 4 | - | 1* | 3* | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 |
| SU = 34 | 9+ | 9+ | 9+ | 7 | 4* | 3* | 6 | 9+ | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 8 | 8 | 6 | 6 | 8 | 9+ |
| 6W = 35 | 9 | 9+ | 9+ | 9+ | 9 | - | - | 5* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 6 | 3* | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 5* | 5* | 3* | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 1* | - | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 |
| FR = 39 | - | - | 3* | 3* | 2* | - | 7 | 8 | 7 | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 |
| FJL = 40 | - | 1* | 2* | 1* | 1* | - | 3 | 2* | 5 | 6 | 6 | 5 | 5 | 4 | 5 | 6 | 7 | 8 | 7 | 4 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Sep., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3* | 5* | 4* | 4* | 2* |
| VO2 = 02 | 6 | 5 | 5 | 5 | 5 | 4 | - | - | - | 2 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| W6 = 03 | 9 | 9 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 8 |
| W9 = 04 | 8 | 4 | 5 | 4 | 3 | 3 | - | - | - | - | - | - | 7 | 6 | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 8 | 7 | 7 | 8 | 8 | 2 | - | - | 2 | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 6 | 8 | 8 | 8 | 7 | 2 | - | 5* | 2* | - | - | - | 2 | 8 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 5 |
| TI = 07 | 8 | 9 | 9 | 9 | 8 | 5 | - | 5* | 4* | 1* | - | 6 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| VP2 = 08 | 2 | 6 | 7 | 6 | 2 | - | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 5 | 5* | 4* |
| P4 = 09 | 3* | 5 | 6 | 5 | 2 | - | - | - | - | - | 5 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 5* | 5* |
| HC = 10 | 9 | 9+ | 9+ | 9+ | 9 | 6 | - | 5* | 5* | 2* | - | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9+ | 7 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2* | 2* | - | - | 1 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 7 | 2 | 2* | - | - | - | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 3 | 2 | 1 | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 3 | 4 |
| I = 15 | 5 | 6 | 7 | 2 | - | - | - | 2 | 9 | 9 | 9 | 5 | 5 | 5 | 5 | 6 | 7 | 6 | 3 | 4 | 1 | - | - | 2 |
| UA3 = 16 | 2 | - | - | - | 1* | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 8 | 5 | 2 | 5 | 4 |
| UN = 17 | 1* | 2* | 5 | 9 | 3 | 1* | 5 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | 1 | 1 | - |
| UA9 = 18 | 2* | 3* | 3* | 5 | 2 | - | - | 8 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 8 | 5 | 1 | - | - | - | - | - | 1* |
| UA0 = 19 | 5 | 8 | 8 | 7 | 1 | - | - | 8 | 7 | 7 | 6 | 6 | 5 | 2* | 2* | 1* | 1* | 1* | - | 1* | 3* | 4* | 4* | 2* |
| 4X = 20 | 9 | 9+ | 9 | 4* | 5* | 3* | 1 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 6 | 6 | 6 | 5 | 2 | 4 | 1 | 1 | 5 | 8 |
| HZ = 21 | 9 | 9 | 7 | 3* | 7 | 2 | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ |
| VU = 22 | 1* | 2* | 7 | 9 | 6 | 1* | 5 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 4 |
| JT = 23 | 2* | 3* | 7 | 7 | 1* | - | 1 | 7 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | 2* | 2* |
| VR2 = 24 | 8 | 9 | 8 | 7 | 2 | 2* | 2 | 5 | 5 | 7* | 7* | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4* | 4* |
| JA1 = 25 | 8 | 7 | 7 | 6 | 2* | 2* | 1* | 8 | 7* | 8* | 7* | 6* | 4* | 3* | 3* | 4* | 5* | 5* | 1* | - | 2* | 4* | 6 | 9 |
| HS = 26 | 5* | 8 | 9 | 7 | 2* | 1* | 2 | 6 | 4 | 7 | 7 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4* |
| DU = 27 | 9 | 9 | 8 | 7 | 3* | 4* | 2 | 6 | 6 | 8* | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 4* | 6 |
| YB = 28 | 6 | 7 | 4 | 1* | 1* | - | - | 5 | 5 | 6* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | 3* | 2* |
| VK6 = 29 | 3* | 2* | 1* | 1* | 1* | - | - | 6 | 7 | 7* | 5 | 5 | 3* | 2* | 1* | 1* | - | - | - | - | - | - | 5* | 2* |
| VK3 = 30 | 6 | 2 | 2* | 3* | 3* | 1* | - | 2 | 6* | 6* | 5* | 4* | 2* | 2* | 1* | - | - | - | - | - | 4* | 5* | 4* | 4 |
| KH6 = 31 | 5 | 7 | 8 | 8 | 8 | 3 | - | 4* | 5* | 8 | 6 | 4 | 3* | 4* | 5* | 3* | 6 | 7 | 7 | 8* | 7* | 5 | 4* | 3 |
| KH8 = 32 | 7 | 8 | 9 | 9 | 9 | 8 | 5 | 6* | 6* | 9 | 8 | 5 | 5* | 4* | 5* | 5* | 1* | 6 | 6 | 7* | 7 | 6 | 6 | 6 |
| CN = 33 | 5 | 7 | 7 | 5 | - | - | - | 1* | 4 | 9 | 4 | 4 | 3 | 3 | 4 | 4 | 5 | 5 | 5* | 5 | 2 | 9+ | 9+ | 2 |
| SU = 34 | 9 | 9+ | 9 | 3* | 5* | 3* | 1 | 9 | 9 | 9 | 8 | 8 | 5 | 5 | 5 | 5 | 5 | 3 | 1 | 2 | 1 | 1 | 4 | 7 |
| 6W = 35 | 6 | 8 | 9 | 9 | 4 | - | - | 2* | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 8 | 6 | 5* | 2 | 2 |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 1 | 3* | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 7 | 2 | 5* | 5* | 3* | - | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | - | - | - | 9+ | 9 | 9 | 9 | 5 | 4 | 5 | 7 | 9+ | 9+ | 9+ | 8 | 5 | 4 | 4 | - |
| FR = 39 | - | - | 3* | 3* | 1* | - | 3 | 9 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 2 | - |
| FJL = 40 | - | - | 1* | - | - | - | - | - | 1* | 2 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Oct., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| W6 = 03 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 4 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | - | 2 | 3 | 4 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 6 | 5 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 |
| P4 = 09 | 6 | 5 | 4 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 3 | 4 | 2 | 1 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 6 | 9 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 |
| CE = 12 | 3 | 2 | 1 | 2 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| G = 14 | 5 | 5 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 |
| I = 15 | 5 | 4 | 2 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UA3 = 16 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 5 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 4 |
| HZ = 21 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 3 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 |
| SU = 34 | 4 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| FR = 39 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| FJL = 40 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Oct., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 |
| W6 = 03 | - | - | 1 | 3 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 7 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | 1 | 5 | 6 | 7 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 9 | 9 | 8 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 |
| P4 = 09 | 9 | 8 | 7 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 |
| HC = 10 | 6 | 7 | 5 | 4 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ |
| CE = 12 | 6 | 5 | 4 | 5 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| LU = 13 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| G = 14 | 8 | 8 | 8 | 8 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 6 | 7 |
| I = 15 | 8 | 7 | 5 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 |
| UA3 = 16 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 6 | 8 |
| UN = 17 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 7 |
| HZ = 21 | 7 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 6 | 6 |
| VU = 22 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - |
| VK3 = 30 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 |
| SU = 34 | 7 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| FR = 39 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 |
| FJL = 40 | 6 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Oct., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 4 | 5 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| W6 = 03 | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 1 |
| W9 = 04 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| LU = 13 | 9 | 9+ | 9 | 9 | 9+ | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 8 | 9 |
| UN = 17 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 6 | 7 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 4 | 1 |
| 4X = 20 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 5 | 7 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 6 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 2 | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 8 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 2 | 6 | 7 | 6 | 5 | 1 |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 7 | 7 | 6 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 2 |
| VK3 = 30 | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | 1 | - | - |
| KH6 = 31 | - | - | - | 1 | 5 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| KH8 = 32 | - | - | - | - | - | 2 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Oct., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 7 | 7 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 1 | 2 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| W6 = 03 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 8 | 3 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | - | - | - | - | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 8 | 9 |
| UN = 17 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 | 8 | 9 |
| UA9 = 18 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 7 | 5 |
| 4X = 20 | 9 | 9 | 9 | 8 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 7 | 7 | 7 |
| JT = 23 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 6 | 2 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - | 2 | 6 | 7 | 8 | 7 | 6 | 5 |
| YB = 28 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 | 1 | - |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | 6 |
| KH8 = 32 | - | - | - | - | 5 | 6 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | - | 2 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Oct., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | - | - | - | - | - | 3 | 8 | 7 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 7 | 4 | - | - | - | - | - | 1 | 1 | 5 | 7 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | 3 | 6 | 7 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | - | 4 | - | - | - | - | - | - | 1 | 1 | 4 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 7 | 4 | - | - | - | - | - | 1 | 2 | 4 | 8 | 9 | 9+ | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 5 | 3 | 1 | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 3 | 1 | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | 1 | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 3 | 1 | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| UA9 = 18 | 9 | 9 | 9 | 9 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| UA0 = 19 | 8 | 5 | 4 | 3 | 2 | 2 | 2 | 3* | 3* | 1* | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | 1 | - | - | - | - | 1 | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| JT = 23 | 9 | 9 | 8 | 6 | 5 | 2 | 1 | - | 1* | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 6 | 4 | 1 | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 5 | 3 | 1 | 1 | 1 | 1* | 4* | 5* | 5* | 3* | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 8 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 5 | 2 | - | - | - | - | 2* | 3* | 2* | 1* | - | - | - | 4 | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK3 = 30 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 8 | 8 | 8 | 7 |
| KH6 = 31 | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | 2* | 5* | 4* | 3* | 1* | - | - | - |
| KH8 = 32 | - | - | - | 7 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 2* | 5* | 6* | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 2 | 1 | - | 1 | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9+ | 8 | 9 | 9+ | 9+ | 9 | 7 | 4 | 1 | - | 1 | 2 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 9 | 9 | 7 | 1 | 1 | 8 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | 1 | 2 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Oct., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 4 | 2 | 1 | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| VO2 = 02 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | - | - | - | 1 | - | - | 2 | 2 | 3 | 5 | 6 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 2 | - | 7 | 4 | 2 | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 3 | 1 | 2 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1* | - | 5 | 4 | 1 | - | - | 1 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 4 | 1* | 9 | 7 | 4 | 1 | 1 | 1 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | 9+ | 9+ | 9 | 8 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 9+ | 9+ | 8 | 8 | 5 | 4 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 7 | 4 | 2 | 1 | 1 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | 1 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 9 | 9 | 9 | 8 | 6 | 3 | 2 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 9 | 9+ | 9 | 8 | 5 | 3 | 2 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9 | 9 | 9 | 7 | 9 | 9 | 8 | 6 | 2 | 1 | 4 | 1 | 2 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 3 | 1 | 2 | 3 | 1 | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | - | 2 | 9 | 9 | 8 | 7 | 8 | 6 | 8 | 9 | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 1 |
| UA0 = 19 | 9 | 8 | 8 | 7 | 7 | 5 | 6 | 6* | 6* | 7 | 3* | - | - | - | - | 5 | 6 | 6 | 5 | 4 | 2* | 4 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 7 | 4 | 1 | 3 | 2 | 3 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 6 | 9 | 9 | 8 | 6 | 4 | 1 | - | 2 | 2 | 1 | - | - | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| JT = 23 | 9 | 9 | 9 | 8 | 8 | 5 | 5 | 4 | 8 | 9 | 1 | - | - | 1 | 1 | 6 | 7 | 9 | 9 | 9 | 9 | 8 | 6 | 8 |
| VR2 = 24 | 9 | 8 | 8 | 5 | 2 | 1 | 1* | 4* | 9 | 5* | 4* | 1* | - | - | - | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 7 | 8 |
| JA1 = 25 | 8 | 6 | 5 | 4 | 5 | 5* | 6 | 8* | 8* | 8 | 4* | 1* | - | - | - | 1 | 3 | 7 | 8 | 4 | 2* | 8 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 5 | 3 | - | 1 | 2* | 2 | 3* | 1* | - | 1 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 9 | 8 | 6 | 4 | 2 | 1* | 3* | 5* | 8 | 6* | 5* | 2* | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 5 | 1 | - | - | 1* | 2* | 2* | 3* | 1* | - | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VK6 = 29 | 9 | 9 | 8 | 6 | 2 | 1 | 1 | 3 | 1 | 1 | 2* | 1 | 1 | 1 | 2 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| VK3 = 30 | 7 | 6 | 4 | 3 | 3 | 3 | 7 | 6 | 5 | 8 | 2 | 1 | - | - | 1 | 2 | 3 | 4* | 6* | 6* | 7 | 8 | 8 | 8 |
| KH6 = 31 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | 2* | 4* | 8 | 8 | 6* | 5* | 2 | 2 | 3 |
| KH8 = 32 | - | 2 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 7 | 5 | 1 | - | - | 2* | 5* | 8 | 8* | 8* | 7* | 5* | 1* | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 5 | 9+ | 9+ | 9 | 8 | 6 | 5 | 5 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 6 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 4 | 4 | 5 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9 | 8 | 5 | 1 | 2 | 7 | 9+ | 9+ | 9 | 8 | 6 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 1 | - | - | 1* | 1* | 2* | 8 | 9 | 9 | 8 | 4 | 3 | 1 | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Oct., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 4* | 1* | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 9 | 9 | 8 | 6 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9+ | 9 | 8 | 8 | 7 | 5 | 6 | 3 | - | - | - | 4 | 2 | 2 | 7 | 5 | 3 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 7 | 5 | 1 | - | 7 | 6 | 4 | 2 | 3 | 4 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9 | 9 | 9 | 9+ | 9 | 4 | 5 | 7 | 1 | 9 | 9 | 6 | 6 | 5 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 2* | 1* | - | - | 6 | 3 | 2 | 2 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2* | 1* | 5 | 8 | 6 | 5 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | 1 | - | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 3 | - | 5 | 9+ | 9 | 9 | 7 | 5 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 8 | 5 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9 | 9 | 8 | 4 | - | 4 | 9+ | 9 | 9 | 8 | 5 | 5 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 2 | 6* | 5 | 9+ | 9 | 9 | 7 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 7 | 6 | 8 | 3* | 7 | 9 | 8 | 7 | 6 | 4 | 4 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| UN = 17 | 5 | 7 | 9 | 9 | 9 | 7 | 7 | 6 | 5 | 8 | 8 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 7 | 5 | 5 | 8 | 8 | 7 |
| UA9 = 18 | - | - | 5 | 9 | 8 | 4 | 8 | 7 | 5 | 3 | 6 | 2 | 1 | 3 | 5 | 7 | 9 | 9 | 7 | 4 | 4 | 2 | - | - |
| UA0 = 19 | 9 | 8 | 8 | 7 | 7 | 5* | 6 | 7* | 8* | 6* | 4* | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1* | 3* | 3* | 2* | 5 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9 | 9 | 9 | 7 | 6 | 5 | 5 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 4 | 6 | 6 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 2 | - | 9 | 9 | 8 | 8 | 7 | 4 | 2 | 3 | 8 | 2 | 2 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| JT = 23 | 7 | 9 | 9 | 8 | 7 | 2* | 6 | 6 | 4 | 4* | 6 | 3 | 2 | 3 | 5 | 6 | 3 | 4 | 2 | 2 | 1 | 1* | - | - |
| VR2 = 24 | 9 | 9 | 8 | 6 | 4 | 2 | 3 | 4* | 6* | 6* | 7 | 3* | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 2 | 5 |
| JA1 = 25 | 8 | 8 | 6 | 7 | 6 | 5* | 7* | 8* | 8* | 7* | 5* | 1 | 1 | - | - | - | 2* | 3* | 2* | 2* | 2* | 2* | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 7 | 4 | 3 | 3 | 7 | 7 | 5 | 4 | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| DU = 27 | 9 | 8 | 7 | 6 | 5 | 2 | 4* | 6 | 7* | 7* | 8 | 4* | 2 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 7 | 3 | 1 | - | 1 | 7 | 6 | 3* | 3* | 1 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 7 | 9 | 8 | 5 | 2 | 2 | 5 | 5 | 7 | 6 | 7 | 3 | 3 | 3 | 3 | 1 | 2 | 4* | 5* | 4* | 3* | 2* | 1 | 5 |
| VK3 = 30 | 8 | 7 | 6 | 5 | 4 | 4 | 7 | 7 | 6 | 5 | 5 | 2 | 1 | - | - | 1* | 3* | 5* | 6* | 6* | 5* | 7 | 8 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9+ | 9 | 8 | 7 | 9 | 9 | 7 | 5 | - | - | - | 3* | 6 | 5 | 8* | 7* | 6* | 4 | 4 | 6 |
| KH8 = 32 | 2 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | 1 | 4* | 6* | 8* | 8* | 8* | 7* | 6* | 2* | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | - | - | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 9+ | 9+ | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 5 | 2 | - | 2* | 4* | 2* | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 9 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 5 | 4 | 4 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FJL = 40 | 1* | 1* | 1* | 1* | 2* | 4* | 5* | 9 | 8 | 8 | 5 | 6 | 2 | 2 | 3 | 7 | 8 | 9 | 9 | 8 | 2 | - | 1* | |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Oct., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 7 | 6 | 4 | 1 | 1 | 4* | 1* | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 6 | 6 | 7 | 8 | 8 | 7 | 1 | 1 | - | 8 | 9 | 9 | 8 | 6 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| W6 = 03 | 9 | 9 | 9 | 8 | 5 | 2 | 2 | - | 2 | - | - | - | - | 2 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 8 | 7 | 7 | 7 | 1 | 1 | - | - | - | - | 8 | 6 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | |
| W3 = 05 | 9 | 8 | 9 | 9 | 9 | 7 | - | - | 2 | - | 8 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9 | 9 | 9 | 4 | 4* | 3* | 1* | - | - | 8 | 6 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 4* | 4* | 1* | - | 8 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - | 1 | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 4 | 2* | 9 | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 6 | 4 | 5 | 3 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| I = 15 | 9+ | 9+ | 9+ | 6 | - | 2* | 5* | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 8 | 8 | 8 | 9+ | 9+ |
| UA3 = 16 | 6 | 5 | 1 | 4* | 5* | 4* | 3* | 9 | 9 | 8 | 7 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 7 | 8 | 5 | 7 | 7 |
| UN = 17 | 1 | 1 | 7 | 9 | 8 | 2 | 7 | 7 | 5 | 6 | 5 | 5 | 6 | 6 | 8 | 9 | 9 | 6 | 1 | - | - | 3 | 2 | 1 |
| UA9 = 18 | - | 1* | 1* | 9 | 6 | 2* | 5 | 8 | 7 | 5 | 5 | 5 | 5 | 6 | 6 | 8 | 8 | 2 | - | - | - | - | 1* | 1* |
| UA0 = 19 | 9 | 9 | 8 | 8 | 5 | 5* | 6* | 8 | 8* | 6 | 6 | 6 | 4 | 1 | - | - | - | - | - | 1* | 4* | 4* | 2* | 7 |
| 4X = 20 | 9+ | 9+ | 9+ | 5 | 4 | 4* | 8 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 7 | 6 | 8 | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 7 | 9 | 3 | 8 | 8 | 7 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1* | 1* | 4 | 9 | 9 | 6 | 7 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| JT = 23 | 1* | 5 | 9 | 8 | 3 | 2* | 4 | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 1 | - | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 9 | 8 | 8 | 7 | 6 | 2 | 4 | 5 | 7* | 7* | 6* | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 7 | 2* | 2* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 5* | 6* | 7* | 8* | 8* | 8* | 6 | 5 | 4* | 2* | 2* | 3* | 3* | 4* | - | 1* | 4* | 3* | 9 | 9 |
| HS = 26 | 8 | 9 | 9 | 8 | 6 | 2 | 3 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 |
| DU = 27 | 9 | 8 | 8 | 7 | 5 | 3* | 5* | 6* | 8* | 8* | 7* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 9 |
| YB = 28 | 9 | 9 | 8 | 6 | 1 | 1* | 2 | 2 | 5 | 6* | 5 | 6 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 8 |
| VK6 = 29 | 2* | 8 | 6 | 1 | 1* | 1* | 5 | 6 | 5 | 5 | 6 | 5 | 4 | 1 | 1* | 2* | 3* | 5* | 5* | 4* | 2* | 4* | 4* | 2* |
| VK3 = 30 | 8 | 7 | 4 | 1 | 4* | 2 | 6 | 6 | 7* | 5 | 4 | 3 | 2* | 1* | 1* | 2* | 4* | 5* | 6* | 6* | 6* | 5* | 6 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 3* | 9 | 8 | 5 | 3* | 2* | 2* | 4* | 4* | 5 | 5 | 7* | 8* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 4 | 6* | 7* | 6* | 8* | 8* | 7* | 6 | 6* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 3* | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 8 | 8 | 8 | 9 | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 5 | 4* | 7 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 6 | 5 | 7 | 9 | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 1* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 6 | 5* | 3* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | 3* | 4* | 2* | 4 | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 |
| FR = 39 | 5 | 4 | 4 | 8 | 4 | 5 | 8 | 8 | 7 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 |
| FJL = 40 | 1* | 1* | 2* | 2* | 2* | 3* | 5* | 7* | 8 | 8 | 8 | 7 | 5 | 6 | 6 | 7 | 9 | 9 | 9 | 6 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Oct., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 4 | 1 | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| VO2 = 02 | 2 | 2 | 2 | 5 | 5 | 2 | - | - | - | 1 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 4 |
| W6 = 03 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 7 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 6 | 5 | 3 | 3 | 3 | - | - | - | - | - | - | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 8 | 7 | 6 | 7 | 8 | 3 | - | - | - | - | 1 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 5 | 2* | 3* | 1* | - | - | - | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 3 | 5* | 3* | - | - | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 8 |
| P4 = 09 | 8 | 9+ | 9+ | 9+ | 9 | 3 | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 8 | 7 | 7 |
| HC = 10 | 9 | 9+ | 9+ | 9 | 9 | 9 | 6 | 5* | 5* | 2* | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 4 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 7 | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 7 | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | - | - | - | - | - | - | 4 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 5 |
| I = 15 | 9 | 9 | 8 | 1 | - | - | 5* | 7 | 9+ | 9 | 9 | 8 | 8 | 5 | 5 | 9 | 9 | 6 | 1 | 2 | 2 | 5 | 8 | 9 |
| UA3 = 16 | 1 | - | - | 1* | 5* | 4* | 3* | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 1 | 1 | - | 2 | 2 |
| UN = 17 | 1* | 2* | 3 | 9 | 5 | 2* | 5 | 8 | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 5 | 1 | - | - | - | - | - | - |
| UA9 = 18 | 1* | 1* | 2* | 5 | 3* | 2* | 4* | 8 | 7 | 7 | 7 | 6 | 6 | 7 | 8 | 8 | 1 | - | - | - | - | - | - | 2* |
| UA0 = 19 | 8 | 9 | 9 | 8 | 4* | 4* | 5* | 8 | 8 | 8 | 7 | 6 | 3 | 1* | - | - | - | - | - | - | 2* | 4* | 4* | 3* |
| 4X = 20 | 9+ | 9+ | 9 | 3* | 4* | 4* | 2 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 2 | 1 | 1 | 2 | 7 | 9 |
| HZ = 21 | 9 | 9 | 5 | 4* | 8 | 3* | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 |
| VU = 22 | 1* | 2* | 3* | 9 | 8 | 2 | 5 | 7 | 7 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 1 |
| JT = 23 | 2* | 2* | 8 | 8 | 3* | 3* | 4* | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | 2* | 2* |
| VR2 = 24 | 8 | 9 | 8 | 8 | 5 | 3* | 4* | 5 | 6 | 7* | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 3 | 2* | 4* |
| JA1 = 25 | 8 | 8 | 8 | 7 | 5* | 6* | 6* | 8 | 8 | 8* | 7* | 6* | 5* | 4* | 4* | 4* | 4* | 1* | - | - | 4* | 5* | 5 | 9 |
| HS = 26 | 5 | 9 | 9 | 8 | 5 | 1* | 2 | 6 | 7 | 7 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4* |
| DU = 27 | 9 | 9 | 8 | 8 | 5 | 5* | 5* | 6 | 7* | 8* | 7* | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 4* | 7 |
| YB = 28 | 9 | 8 | 7 | 2 | 2* | 1* | 2 | 6 | 5 | 7* | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5* | 5 |
| VK6 = 29 | 4* | 4 | 3* | 2* | 2* | - | 2 | 7 | 6 | 7* | 6 | 5 | 3* | 2* | 2* | 2* | 2* | 3* | 2* | 1* | - | 4* | 5* | 4* |
| VK3 = 30 | 7 | 4 | 1 | 2* | 4* | - | 4 | 5 | 7* | 5* | 4* | 4* | 4* | 2* | 2* | 2* | 4* | 4* | 4* | 6* | 6* | 6* | 4* | 6 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 7 | 1* | 4* | 5* | 6 | 4* | 5* | 4* | 4* | 4* | 1* | 6 | 7 | 7 | 8* | 8* | 6 | 6 | 7 |
| KH8 = 32 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 4* | 5* | 6* | 5 | 6 | 7* | 6 | 6 | 7 | 7 | 7 |
| CN = 33 | 9+ | 9+ | 9+ | 8 | - | - | - | 1* | 9+ | 9+ | 9 | 9 | 5 | 4 | 4 | 5 | 5 | 4* | 5* | 9+ | 4 | 6 | 8 | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 4 | 6* | 4* | 2* | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 1 | 1 | - | 1 | 6 | 8 |
| 6W = 35 | 9 | 9 | 9+ | 9 | 5 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 | 7 | 8 | 7 | 7 | 8 | 8 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 5* | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 7 | 5* | 5* | 4* | 1 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | 1* | 4* | 1* | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 4 | - |
| FR = 39 | 1 | 3* | 4* | 5 | 3* | 1 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 7 | 4 |
| FJL = 40 | - | 2* | 2* | 2* | 1* | 1* | 3* | 6* | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Nov., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 3 | 4 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | - | 3 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | - | 3 | 4 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 3 | 4 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 |
| P4 = 09 | 6 | 4 | 3 | 4 | 2 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| HC = 10 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 6 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 |
| CE = 12 | 2 | 4 | 2 | 2 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 5 | 5 | 5 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 3 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 |
| I = 15 | 4 | 2 | 2 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| UA3 = 16 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 4 |
| UN = 17 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | - | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 3 |
| HZ = 21 | 4 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 2 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 |
| SU = 34 | 3 | 1 | 2 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| FR = 39 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 5 | 5 |
| FJL = 40 | 3 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Nov., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | 1 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| W6 = 03 | - | 2 | 2 | 5 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 6 | 7 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| XE1 = 06 | 2 | 1 | 6 | 8 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 3 | 6 | 7 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 8 | 6 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 |
| P4 = 09 | 9 | 7 | 6 | 7 | 5 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| HC = 10 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9+ |
| CE = 12 | 5 | 7 | 5 | 5 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| G = 14 | 6 | 6 | 6 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 5 | 6 |
| I = 15 | 7 | 5 | 5 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 |
| UA3 = 16 | 8 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 7 |
| UN = 17 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 |
| UA9 = 18 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| 4X = 20 | 5 | 3 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 6 |
| HZ = 21 | 7 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 4 | 5 |
| VU = 22 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 8 | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 |
| SU = 34 | 6 | 4 | 5 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 7 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| FR = 39 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 8 | 8 | 8 |
| FJL = 40 | 6 | 5 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Nov., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | 5 | 5 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 |
| W6 = 03 | 5 | 6 | 7 | 8 | 7 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 1 |
| W9 = 04 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| HC = 10 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| LU = 13 | 9 | 9+ | 9 | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 8 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 8 | 8 |
| UN = 17 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 8 | 7 | 7 |
| UA9 = 18 | 6 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 6 | 3 |
| 4X = 20 | 9 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 8 |
| VU = 22 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 5 | 5 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 7 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 5 | 1 |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 2 | 6 | 7 | 7 | 7 | 1 |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 6 | 6 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 5 | 1 |
| VK3 = 30 | - | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| KH6 = 31 | - | - | - | 1 | 4 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| KH8 = 32 | - | - | - | - | - | 2 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9 | 8 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Nov., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 6 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 2 | 3 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 8 | 5 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 | 9 | 8 | 9 |
| UN = 17 | 9 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 7 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 7 | 7 |
| 4X = 20 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 7 | 7 |
| JT = 23 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 7 | 4 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | - | - | 2 | 6 | 7 | 8 | 8 | 6 | 6 |
| YB = 28 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 7 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 1 | - | - |
| KH6 = 31 | 5 | - | 1 | 6 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | 3 |
| KH8 = 32 | - | - | - | - | 2 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | 1 | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Nov., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | 5 | 6 | 8 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 9+ | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | 1 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | - | - | - | - | - | - | 1 | 1 | 1 | 4 | 6 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 | 4 | 1 | - | - | - | - | 1 | 1 | 5 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 2 | - | 4 | 1 | - | - | - | - | - | 1 | 1 | 4 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 7 | 4 | 1 | - | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9+ | 9 | 5 | 2 | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 8 | 6 | 2 | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 2 | 1 | - | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 4 | 5 | 8 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | - | 1 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 7 | 3 | 1 | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 7 | 6 | 9 | 9 | 8 | 6 | 1 | - | - | - | 1 | 1 | 4 | 5 | 8 | 9 | 9+ | 9 | 9+ | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | 1 | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| UA9 = 18 | 6 | 6 | 9 | 8 | 9 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 4* | 4 | 1* | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 7 | 5 | 6 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 3 | 1 | - | - | - | - | 1 | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 8 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| JT = 23 | 7 | 9 | 8 | 7 | 5 | 5 | 3 | 2 | 1 | 1* | - | - | - | - | - | 3 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 7 |
| VR2 = 24 | 8 | 8 | 5 | 2 | - | - | - | 1* | 2* | 2* | 1* | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 9 |
| JA1 = 25 | 5 | 4 | 3 | 2 | 2 | 2 | 5* | 8 | 5* | 4* | - | - | - | - | - | - | 4 | 7 | 8 | 7 | 3 | 7 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 2 | - | - | - | - | 3* | 3* | 2* | 1* | - | - | 5 | 5 | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 8 | 6 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK3 = 30 | 1 | 1 | - | 1 | 1 | 1 | - | 1* | 1 | 1* | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 5 | 4 |
| KH6 = 31 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | 1* | 4* | 5* | 5* | 1* | - | - | 1 |
| KH8 = 32 | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | 2* | 4* | 6* | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | 1 | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | - | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 2 | 1 | 1 | 1 | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 9 | 9 | 9 | 8 | 5 | 4 | 7 | 8 | 8 | 4 | 1 | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Nov., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 6 | 2* | 2* | 7 | 7 | 6 | 4 | 1 | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 9+ | 9 | 8 | 7 | 6 | 9 | 9 | 7 | 4 | 1 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 7 | - | - | - | 1 | - | - | 2 | 9 | 3 | 5 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | 7 | 4 | 1 | 1 | 1 | 3 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 9 | 8 | 5 | 1 | 2 | 2 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | 1* | - | 6 | 3 | 1 | 1 | - | 1 | 1 | 4 | 5 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 1* | 9 | 7 | 4 | 1 | - | 1 | 2 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | - | 9+ | 9+ | 8 | 8 | 5 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | 9 | 9+ | 8 | 8 | 5 | 3 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 6 | 5 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | 2 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 8 | 8 | 8 | 4 | - | 6 | 9+ | 9 | 8 | 6 | 4 | 2 | 3 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 3 | 4* | 9+ | 9+ | 9 | 7 | 5 | 3 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 8 | 2* | 2* | 6 | 9 | 9 | 8 | 9 | 4 | 2 | 1 | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 |
| UN = 17 | 8 | 7 | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 3 | 2 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 8 | 7 | 7 | 9 | 9 | 9 |
| UA9 = 18 | - | - | 4 | 9 | 9 | 8 | 7 | 7 | 5 | 8 | 2 | 1 | - | 1 | 2 | 7 | 7 | 2 | 1 | 3 | 6 | 7 | 4 | 1* |
| UA0 = 19 | 9 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 6* | 6 | 2 | 1 | - | - | - | - | - | 1 | 2 | 1 | 2* | 2* | 1* | 6 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 5 | 3 | 3 | 4 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 3 | 1 | 9 | 9 | 9 | 7 | 5 | 2 | 2 | 4 | 2 | 1 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| JT = 23 | 1* | 8 | 9 | 9 | 8 | 7 | 6 | 6 | 5 | 8 | 2 | - | - | 1 | 1 | 3 | - | - | 1 | 3 | 7 | 5 | 1* | 1* |
| VR2 = 24 | 9 | 9 | 8 | 5 | 2 | 1 | 2* | 4* | 8 | 5* | 4* | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9+ | 9 | 5 | 8 |
| JA1 = 25 | 8 | 8 | 6 | 5 | 5 | 6 | 7* | 8* | 7* | 8 | 4* | - | - | - | - | - | - | 2* | 2 | 2* | 2* | 2* | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 6 | 2 | - | 1* | 2 | 2 | 3* | 1 | - | 1 | 3 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 9 | 8 | 7 | 4 | 1 | 1* | 4* | 5* | 8 | 6* | 5* | 1* | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 6 | 1 | - | - | - | 2* | 3* | 3* | 1* | - | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VK6 = 29 | 9 | 9 | 8 | 5 | 3 | 1 | 1 | 1 | 2 | 3 | 2* | - | - | 1 | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 9 |
| VK3 = 30 | 6 | 5 | 5 | 4 | 4 | 3 | 4 | 5 | 6 | 4 | 2* | 1 | - | - | - | 1 | 2 | 5* | 6* | 6* | 7 | 8 | 7 | 8 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | - | - | - | 1* | 3* | 8 | 7 | 7* | 5* | 2 | 3 | 4 |
| KH8 = 32 | 1 | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | 2* | 5* | 7* | 8* | 8 | 7* | 5* | 1* | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | 2 | 9+ | 9+ | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 8 | 6 | 5 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 8 | 6 | 3 | 2 | 2 | 1 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 1* | - | - | 1* | 1* | 2* | 3* | 5 | 9 | 7 | 5 | 2 | 1 | 1 | 1 | 6 | 8 | 9 | 9 | 2 | - | - | - | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Nov., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 8 | 5 | 2* | 2* | 3* | 1 | 1 | 2 | 1 | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 8 | 6 | 7 | 8 | 9 | 8 | 5 | 1 | - | 9 | 9 | 8 | 6 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9+ | 9+ | 9 | 8 | 5 | 4 | 5 | 6 | 4 | - | - | - | 2 | 2 | 3 | 7 | 5 | 6 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 8 | 8 | 8 | 7 | 6 | 5 | - | - | 1 | 6 | 3 | 2 | 3 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 4 | - | 6 | 9 | 7 | 4 | 5 | 5 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 1* | 1* | - | - | - | 6 | 4 | 2 | 2 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2* | - | 1 | 8 | 7 | 5 | 2 | 2 | 4 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 8 | 9+ | 9 | 8 | 6 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | - | - | 9+ | 9 | 8 | 6 | 5 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 9 | 8 | 7 | 5 | 3 | 3 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 2 | 3 | 3 | - | - | 1 | 9+ | 9 | 9 | 8 | 6 | 4 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| I = 15 | 9+ | 9+ | 9+ | 7 | - | - | 6 | 9+ | 9 | 8 | 7 | 6 | 4 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 8 | 9 | 9+ | 9+ |
| UA3 = 16 | 6 | 6 | 1 | 2* | 5* | 4* | 8 | 9 | 9 | 7 | 5 | 4 | 3 | 4 | 5 | 8 | 9 | 9 | 9 | 8 | 3 | 4 | 6 | 6 |
| UN = 17 | 4 | 2 | 7 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 8 | 3 | 2 | 5 | 6 | 8 | 9 | 7 | 2 | 1 | 1 | 6 | 7 | 6 |
| UA9 = 18 | - | - | 1* | 9 | 8 | 8 | 8 | 8 | 6 | 4 | 4 | 2 | 2 | 2 | 5 | 7 | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 8 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 7* | 6* | 5* | 2 | - | - | - | - | - | - | - | - | 2* | 2* | 1* | 1* |
| 4X = 20 | 9+ | 9+ | 9+ | 5 | 3 | 9+ | 9+ | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 6 | 9 | 9 | 8 | 8 | 6 | 5 | 4 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | - | 8 | 9 | 9 | 8 | 7 | 4 | 5 | 8 | 8 | 2 | 3 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| JT = 23 | 1* | 2 | 9 | 9 | 8 | 7 | 7 | 7 | 5 | 4* | 5 | 3 | 3 | 4 | 4 | - | - | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 9 | 9 | 8 | 7 | 5 | 4 | 4 | 5* | 6* | 6* | 7 | 3* | - | 1 | 1 | 7 | 8 | 9 | 9 | 9+ | 9 | 8 | 1* | 5 |
| JA1 = 25 | 9 | 8 | 7 | 7 | 6 | 6 | 8* | 8* | 8* | 7* | 5* | 2* | - | - | - | - | 2* | 2* | - | 1* | 2* | 2* | 4 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 4 | 7 | 7 | 8 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| DU = 27 | 9 | 8 | 7 | 6 | 5 | 3 | 4 | 6 | 7* | 7* | 8 | 5* | 2 | 2 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| YB = 28 | 9 | 9 | 9 | 7 | 3 | 2 | 1 | 2* | 7 | 6 | 4* | 2 | 3 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VK6 = 29 | 8 | 9 | 8 | 8 | 6 | 5 | 6 | 5 | 6 | 6 | 3 | 4 | 3 | 4 | 1 | 1 | 2* | 5 | 6* | 5* | 4* | 4* | 3* | 5 |
| VK3 = 30 | 8 | 8 | 7 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 2 | 1 | - | - | 1 | 3* | 5* | 7* | 7* | 6* | 5 | 6 | 5 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 9 | 8 | 5 | 3 | - | - | - | 3* | 3 | 5 | 8* | 8* | 6* | 5 | 5 | 6 |
| KH8 = 32 | 2 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | 1 | 1 | 3* | 7* | 8* | 8* | 8* | 8* | 6* | 2* | 2 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 4 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 6 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 8 | 6 | 3* | 3* | 6 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 4 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9 |
| FJL = 40 | 1* | 1* | 1* | 1* | 2* | 4* | 4* | 6* | 8 | 8 | 6 | 4 | 3 | 2 | 4 | 8 | 8 | 9 | 3 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Nov., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 6 | 2 | 2* | 2* | 2* | 2* | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 5 | 1 | 2 | 5 | 6 | 4 | - | - | - | 2 | 9 | 9 | 8 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| W6 = 03 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | 2 | - | - | - | - | - | 5 | 5 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 8 | 6 | 4 | 3 | 2 | 1 | - | - | - | - | 8 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9 | 8 | 8 | 7 | 3 | 4 | 5 | 1 | - | - | - | 9 | 8 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 8 | 4 | 1* | 1* | - | - | - | - | 7 | 6 | 5 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 3* | 1* | - | - | 8 | 8 | 6 | 6 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | - | - | - | 9+ | 9 | 9 | 8 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 |
| P4 = 09 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | - | 9+ | 9 | 9 | 7 | 6 | 6 | 7 | 9 | 9 | 9 | 9+ | 8 | 8 | 7 |
| HC = 10 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9+ | 8 | 5 | 2* | 9 | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 6 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | 3 |
| I = 15 | 9+ | 9+ | 9 | 1 | - | - | 5* | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 6 | 3 | 5 | 8 | 9+ |
| UA3 = 16 | - | - | - | - | 6* | 5* | 4* | 9 | 9 | 8 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 2 | - | - | - | - |
| UN = 17 | 1* | 1* | 2 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 6 | 7 | 8 | 8 | 5 | 1 | - | - | - | 1 | 2 | 1 |
| UA9 = 18 | 1* | 1* | 1* | 3 | 9 | 6 | 7 | 8 | 8 | 6 | 6 | 6 | 6 | 6 | 7 | 2 | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4 | 9 | 8 | 8 | 7 | 6* | 7* | 8 | 8 | 7 | 6 | 3 | 1* | - | - | - | - | - | - | - | 1* | 4* | 3* | 2* |
| 4X = 20 | 9+ | 9+ | 9 | 3* | 4* | 6 | 9 | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 7 | 8 | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 3 | 2* | 9 | 6 | 8 | 8 | 8 | 7 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 2* | 1* | 2 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 1 |
| JT = 23 | 1* | 1* | 8 | 9 | 8 | 4 | 6 | 8 | 7 | 6 | 5 | 6 | 5 | 5 | - | - | - | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 5 | 7* | 7* | 6* | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 2* | 2* |
| JA1 = 25 | 9 | 8 | 8 | 8 | 6 | 7* | 8* | 8 | 8* | 8* | 6* | 5* | 4* | 2* | 2* | 2* | 3* | 1* | - | - | 4* | 4* | 3* | 9 |
| HS = 26 | 8 | 9 | 9 | 9 | 6 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 7 |
| DU = 27 | 9 | 8 | 8 | 7 | 6 | 4 | 5 | 6* | 8* | 8* | 7* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 8 |
| YB = 28 | 9 | 9 | 9 | 7 | 2 | 2 | 3 | 2 | 5 | 6* | 5 | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 4* | 7 | 8 | 5 | 4 | 2 | 3 | 1 | 5* | 5* | 4* | 3* | 2* | 1* | 1* | 2* | 4* | 5* | 6* | 5* | 3* | 4* | 5* | 5* |
| VK3 = 30 | 2* | 4 | 6 | 4 | 4* | 5 | - | 5 | 7* | 5 | 4 | 2 | 2* | 1* | 1* | 3* | 5* | 6* | 7* | 7* | 6* | 6* | 5* | 4* |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 | 5 | 4* | 3* | 2* | 2* | 3* | 2* | 5 | 6 | 7* | 8* | 7* | 6 | 5 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 5* | 6* | 7* | 8* | 8* | 9* | 7* | 7* | 6* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 1 | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 8 | 8 | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 2 | 6* | 5 | 8 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 7 | 6 | 8 | 9+ | 9+ |
| 6W = 35 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 5 | 7 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 7 | 5 | 5 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 7 | 2 | - | 2* | 5* | 3* | 7 | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 8 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 7 | 7 | 8 | 7 | 8 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| FJL = 40 | - | 1* | 2* | 3* | 4* | 5* | 5* | 6* | 5* | 8 | 7 | 8 | 6 | 6 | 7 | 8 | 8 | 6 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Nov., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 3 | 2* | 1* | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9 | 8 | 7 |
| VO2 = 02 | 2 | - | - | 1 | 2 | 1 | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 3 |
| W6 = 03 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 7 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 8 | 5 | 2 | 2 | - | 1 | 1 | - | - | - | - | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| XE1 = 06 | 8 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 4* | 1* | - | - | - | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 |
| VP2 = 08 | 6 | 8 | 9 | 9+ | 9 | 6 | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 8 | 6* | 6* | 5* |
| P4 = 09 | 4 | 8 | 9 | 9 | 9 | 7 | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 7 | 5 | 5* | 3* |
| HC = 10 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 7 | 5* | 5* | 4* | 7 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 7 | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6* | 5 | 4 | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 4 | - | - |
| I = 15 | 7 | 7 | 5 | - | - | - | 2* | 5* | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 1 | 1 | - | - | 2 | 6 |
| UA3 = 16 | - | - | - | - | 5* | 5* | 4* | 4 | 9 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 7 | 1 | - | - | - | - | - |
| UN = 17 | - | 3* | 3* | 7 | 9 | 5 | 6 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 2* | 2* | 3* | 4* | 8 | 3* | 4* | 8 | 8 | 8 | 7 | 6 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 8 | 8 | 7 | 6 | 5* | 6* | 7 | 8 | 8 | 6 | 2* | - | - | - | - | - | - | - | - | 4* | 5* | 4* |
| 4X = 20 | 9+ | 9+ | 6 | 1* | 6* | 4* | 3 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | 3 | 2 | 5 | 9 | 9+ |
| HZ = 21 | 9 | 8 | 2* | 4* | 8 | 3* | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 2* | 2* | 3* | 9 | 8 | 5 | 7 | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - |
| JT = 23 | 2* | 3* | 3* | 9 | 7 | 4* | 4* | 7 | 8 | 7 | 7 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | 3* |
| VR2 = 24 | 8 | 9 | 9 | 8 | 6 | 4* | 5 | 5 | 6* | 7* | 7* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | - | 4* | 4* |
| JA1 = 25 | 9 | 8 | 8 | 8 | 6* | 6* | 7* | 8 | 8 | 8* | 7* | 5* | 4* | 4* | 2* | 2* | 3* | - | - | - | 4* | 5* | 5* | 6 |
| HS = 26 | 5* | 8 | 9 | 8 | 5 | 2 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4* |
| DU = 27 | 9 | 9 | 9 | 8 | 5 | 5* | 5 | 6 | 7 | 8* | 7* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 4* | 6 |
| YB = 28 | 8 | 9 | 9 | 5 | 1* | 1 | 3 | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VK6 = 29 | 5* | 4* | 3 | 3 | 2* | 1* | - | 1 | 4* | 6* | 5* | 4* | 3* | 2* | 2* | 3* | 4* | 5* | 5* | 2* | - | 2* | 5* | 5* |
| VK3 = 30 | 3* | 2* | 2* | 4 | 3* | 2 | - | 3 | 7* | 5* | 4* | 4* | 3* | 2* | 2* | 3* | 5* | 6* | 6* | 6* | 6* | 6* | 5* | 4* |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 9 | 4 | 4* | 6 | 5* | 4* | 3* | 3* | 3* | 3* | - | 7 | 7 | 7 | 8* | 8* | 6* | 4 | 5 |
| KH8 = 32 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 5* | 6* | 7* | 6 | 8* | 8* | 6 | 6 | 6 | 6 |
| CN = 33 | 8 | 8 | 6 | 5 | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 5 | 7 | 6 | 3* | 9+ | 9+ | 3 | 6 | 8 |
| SU = 34 | 9+ | 9+ | 9 | - | 6* | 5* | 3* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 3 | 2 | 1 | 4 | 8 | 9+ |
| 6W = 35 | 7 | 8 | 9 | 9+ | 9 | 3 | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6* | 6* | 6* | 5* | 1 | 4 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 5* | 5* | 5* | 6 | 9 | 9 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | - | - | - | 4* | 3* | 1 | 4 | 6 | 5 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 6 | 7 | 5 |
| FR = 39 | 4 | 3* | 4* | 4 | 3* | 5 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 |
| FJL = 40 | - | 1* | 3* | 4* | 3* | 3* | 4* | 6* | 2* | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 6 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Dec., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| W6 = 03 | - | - | - | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 3 | 4 | 5 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 3 | 4 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 2 | 4 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 6 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 |
| P4 = 09 | 6 | 5 | 3 | 4 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 6 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 2 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 4 | 4 | 5 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| G = 14 | 3 | 2 | 1 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 |
| I = 15 | 5 | 3 | 1 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UA3 = 16 | 5 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 |
| UN = 17 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 3 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | - | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| HZ = 21 | 2 | - | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | 4 |
| VU = 22 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 5 | 5 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 |
| SU = 34 | 4 | 3 | 1 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| FR = 39 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| FJL = 40 | 4 | 3 | 3 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Dec., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 2 | 1 | 4 | 4 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| W6 = 03 | - | 3 | 3 | 5 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 6 | 7 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| XE1 = 06 | 3 | 6 | 7 | 8 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 5 | 7 | 7 | 6 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 9 | 9 | 7 | 7 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 |
| P4 = 09 | 9 | 8 | 6 | 7 | 6 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 |
| HC = 10 | 6 | 7 | 6 | 6 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9 | 8 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 5 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 8 | 7 | 7 | 8 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| G = 14 | 6 | 5 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 |
| I = 15 | 8 | 6 | 4 | 6 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| UA3 = 16 | 8 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 |
| UN = 17 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 6 |
| UA9 = 18 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | - |
| 4X = 20 | 6 | 5 | 3 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| HZ = 21 | 5 | 2 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 7 |
| VU = 22 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 3 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 8 | 8 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 |
| SU = 34 | 7 | 6 | 4 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 8 | 8 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 |
| FR = 39 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 |
| FJL = 40 | 7 | 6 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Dec., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 3 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 |
| W6 = 03 | 6 | 6 | 7 | 8 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W9 = 04 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| TI = 07 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ |
| CE = 12 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 8 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 8 | 9 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 6 | 7 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 6 |
| 4X = 20 | 9 | 9 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 7 | 8 | 8 |
| JT = 23 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 6 | 6 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 7 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 7 | 2 |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 | 4 |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 6 | 6 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 6 | 1 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | 1 | 3 | 6 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 |
| KH8 = 32 | - | - | - | - | - | 1 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9 | 9 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | 1 | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 |
| FJL = 40 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Dec., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 6 | 7 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 6 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 8 | 8 |
| UN = 17 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 | 8 | 9 |
| UA9 = 18 | 8 | 7 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 5 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 8 |
| 4X = 20 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 8 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 8 | 7 | 7 |
| JT = 23 | 7 | 6 | 5 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 6 | 2 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 6 |
| JA1 = 25 | 1 | 1 | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 7 | 7 | 8 | 6 |
| HS = 26 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 7 | 6 |
| YB = 28 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 1 | - | - | - |
| KH6 = 31 | - | 1 | 4 | 7 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | 1 | - | 1 | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 1 | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 8 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Dec., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 4 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | 1 | 1 | 2 | 5 | 6 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 5 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | 5 | 1 | - | - | - | - | - | 2 | 2 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | 3 | 5 | 8 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9+ | 9 | 6 | 3 | 1 | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 3 | 1 | - | - | 1 | 3 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 2 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | 1 | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 6 | 9+ | 9 | 7 | 3 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9+ | 9 | 8 | 5 | 1 | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 1 | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| UN = 17 | 8 | 7 | 8 | 9 | 9 | 8 | 5 | 2 | 2 | - | - | - | - | - | - | 4 | 7 | 9 | 8 | 8 | 8 | 9 | 9 | 9 |
| UA9 = 18 | 2 | - | 5 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | 2 | 7 | 6 | 5 | 7 | 9 | 9 | 9 | 8 |
| UA0 = 19 | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 4 | 5 | 2* | - | - | - | - | - | - | - | 6 | 8 | 8 | 7 | 4 | 2 | 6 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 8 | 9 | 9 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| JT = 23 | 1 | 8 | 9 | 9 | 8 | 6 | 5 | 4 | 2 | 1* | - | - | - | - | - | 3 | 1 | 3 | 5 | 8 | 9 | 9 | 8 | 1 |
| VR2 = 24 | 8 | 8 | 6 | 3 | 1 | - | - | 2* | 2* | 2* | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 9 | 6 | 4 | 4 | 4 | 4 | 5* | 5* | 5* | 3* | - | - | - | - | - | - | 1 | 4 | 7 | 5 | 2* | 2* | 8 | 9 |
| HS = 26 | 9 | 9 | 8 | 6 | 1 | - | - | - | 1* | 1* | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 3 | - | - | - | - | 3* | 3* | 3* | 1* | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | 2* | 1 | 1* | - | - | - | - | - | - | - | 5 | 6 | 7 | 7 | 7 | 5 | 2 |
| KH6 = 31 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | 5* | 5* | 5* | 2* | - | - | 1 |
| KH8 = 32 | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | 2* | 4* | 5* | 6* | 4* | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 2 | 1 | 1 | 2 | 3 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 9 | 9 | 9 | 8 | 4 | 1* | 1* | 7 | 9 | 5 | 2 | - | - | - | - | 2 | 5 | 8 | 9 | 8 | 6 | 6 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Dec., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 5 | 2* | 2 | 5 | 8 | 7 | 4 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9+ | 9 | 9 | 8 | 9 | 9 | 8 | 5 | 1* | 9 | 9 | 8 | 5 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 8 | 8 | 7 | - | - | - | - | - | 1 | 3 | 8 | 8 | 7 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | - | 5 | 5 | 2 | 1 | 1 | 4 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | - | 9 | 8 | 5 | 2 | 2 | 3 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 2 | 1 | - | 4 | 4 | 1 | 1 | 1 | 1 | 2 | 5 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 9 | 8 | 6 | 3 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | - | 9+ | 9+ | 9 | 7 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 6 | 9+ | 9 | 8 | 5 | 4 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 8 | 6 | 3 | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9 | 8 | 7 | 2 | - | - | 9+ | 9 | 9 | 7 | 6 | 4 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 3 | - | 9 | 9+ | 9 | 8 | 6 | 4 | 3 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 7 | 6 | 3 | 3* | 3* | 9 | 9 | 9 | 6 | 3 | 2 | 1 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 7 | 7 |
| UN = 17 | 4 | 1 | 4 | 9 | 9 | 9 | 8 | 6 | 6 | 6 | 2 | 1 | 1 | 2 | 4 | 8 | 8 | 8 | 2 | - | - | 6 | 8 | 7 |
| UA9 = 18 | - | 1* | 1* | 7 | 9 | 9 | 8 | 8 | 6 | 6 | 4 | 1 | 1 | 1 | 2 | 7 | 1 | - | - | - | - | 2 | 1 | 1* |
| UA0 = 19 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 6* | 4 | 4 | 2 | - | - | - | - | - | 1 | 2 | 1 | 2* | 2* | 2* | 2* |
| 4X = 20 | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9 | 9 | 7 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 5 | 5 | 5 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 7 | 1* | 8 | 9 | 9 | 8 | 6 | 5 | 3 | 3 | 1 | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| JT = 23 | 1* | 1* | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 8 | 3 | 2 | 1 | 2 | 4 | - | - | - | - | - | 1 | 1 | 1* | 1* |
| VR2 = 24 | 9 | 9 | 8 | 7 | 4 | 2 | 3* | 5* | 8 | 5* | 4* | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9 | 9+ | 8 | 8 |
| JA1 = 25 | 9 | 8 | 8 | 7 | 6 | 7 | 7 | 8* | 7* | 6* | 4* | 1 | - | - | - | - | - | 1* | 2* | 2* | 3* | 2* | 2* | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 6 | 2 | 2 | 2 | 3* | 4* | 3* | 2 | 1 | 1 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 9 | 8 | 8 | 5 | 1 | 1* | 4* | 5* | 8 | 6* | 5* | 1* | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 6 | 2 | - | - | 1* | 2* | 2 | 3* | 1 | - | - | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VK6 = 29 | 8 | 8 | 8 | 7 | 2 | 1 | 1 | 4 | 3 | 3 | 2* | 1 | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 5 | 4 | 6 | 8 |
| VK3 = 30 | 5 | 5 | 4 | 4 | 4 | 3 | 2 | 5 | 7 | 4* | 2* | 1 | - | - | - | - | 2* | 5* | 7* | 7* | 7* | 5 | 8 | 7 |
| KH6 = 31 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 3 | - | - | - | - | 4* | 5* | 7 | 8 | 5* | 3 | 3 | 5 |
| KH8 = 32 | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | 1 | - | - | 3* | 5* | 7* | 8* | 8* | 6* | 5* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 3 | 8 | 9+ | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 7 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 7 | 6 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9 | 5 | 2* | 2 | 8 | 9+ | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 4 | 3 | 3 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ |
| FJL = 40 | 1* | 1* | 1* | 1* | 1* | 2* | 3* | 5* | 9 | 8 | 6 | 4 | 1 | 1 | 2 | 6 | 8 | 9 | 4 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Dec., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 8 | 3 | 2* | 2* | 3* | - | 2 | 1 | - | - | - | - | - | - | - | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9 | 8 | 6 | 6 | 8 | 8 | 5 | 1 | - | 2 | 9 | 9 | 7 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| W6 = 03 | 9+ | 9+ | 9 | 9 | 8 | 4 | 4 | 4 | 5 | 4 | - | - | - | - | 4 | 4 | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 6 | 5 | 2 | - | - | 7 | 5 | 3 | 4 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9 | 8 | 7 | 8 | 6 | 8 | 5 | 1 | - | 6 | 9 | 7 | 5 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1* | 1* | - | - | - | 6 | 4 | 5 | 3 | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 2* | 1* | 3 | 8 | 7 | 5 | 3 | 4 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | 1 | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | - | 9+ | 9 | 8 | 7 | 6 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 9 | 8 | 7 | 4 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 8 | 6 | 6 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 6 | 5 | 4 | 2 | - | - | - | 6 | 9 | 9 | 8 | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| I = 15 | 9+ | 9+ | 9+ | 7 | - | - | 4* | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 8 | 7 | 7 | 8 | 9+ |
| UA3 = 16 | 1 | - | 1 | - | 4* | 5* | 6 | 9 | 9 | 8 | 6 | 5 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 4 | 4 | - | 1 | 1 |
| UN = 17 | - | - | 1* | 8 | 9 | 8 | 8 | 8 | 7 | 6 | 7 | 5 | 5 | 5 | 7 | 8 | 8 | 2 | - | - | - | 1 | 2 | 2 |
| UA9 = 18 | 1* | 1* | 1* | 1* | 9 | 8 | 8 | 9 | 7 | 5 | 3 | 5 | 4 | 5 | 7 | 5 | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 7 | 6 | 3 | 1* | - | - | - | - | - | - | 1* | 2* | 2* | 1* |
| 4X = 20 | 9+ | 9+ | 9+ | 5 | 4* | 9 | 9 | 9+ | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 7 | 9 | 9 | 8 | 8 | 7 | 5 | 6 | 5 | 6 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1 | 1* | 4 | 9 | 9 | 8 | 7 | 6 | 5 | 7 | 8 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| JT = 23 | 1* | 1* | 6 | 9 | 9 | 7 | 6 | 8 | 7 | 5 | 4 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 9 | 9 | 9 | 8 | 6 | 4 | 4 | 5 | 6* | 6* | 7 | 4* | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 5 | 5 |
| JA1 = 25 | 9 | 8 | 8 | 8 | 7 | 7 | 8* | 8 | 8* | 6 | 6 | 4 | 2* | - | - | 1* | 1* | 1* | 1* | 1* | 2* | 2* | 2* | 7 |
| HS = 26 | 9 | 9 | 9 | 8 | 6 | 2 | 3 | 5 | 7 | 7 | 8 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 9 | 9 | 8 | 7 | 4 | 3* | 5* | 6 | 7* | 7* | 8 | 5* | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 9 |
| YB = 28 | 9 | 9 | 9 | 7 | 4 | 1 | 1 | 1 | 4* | 7 | 4 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| VK6 = 29 | 6 | 8 | 8 | 7 | 6 | 5 | 5 | 5 | 6 | 6 | 3 | 3 | 3 | 3 | 4 | 5 | 4 | 5* | 7* | 7* | 6* | 5* | 4* | 4* |
| VK3 = 30 | 6 | 6 | 8 | 8 | 8 | 5 | 3 | 1 | 6* | 5* | 3 | 2 | 1* | - | - | 1* | 4* | 6* | 7* | 8* | 7* | 6* | 5* | 5 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 9 | 7 | 3 | 1 | - | - | 2* | 3* | 4 | 4 | 8* | 8* | 7* | 5 | 6 | 6 |
| KH8 = 32 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2* | 2* | 4* | 7* | 8* | 8* | 8* | 7* | 5* | 4* | 2* |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | 9+ | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 5* | 9 | 8 | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 8 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 7 | 4 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 8 | 2 | - | 2* | 2* | 1 | 7 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 7 | 6 | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| FJL = 40 | - | 1* | 1* | 2* | 3* | 4* | 5* | 6* | 6 | 9 | 7 | 5 | 4 | 3 | 4 | 8 | 9 | 7 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Dec., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 8 | 5 | 2* | 1* | 1* | 1* | 2* | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 6 | 3 | 1 | 1 | 3 | 4 | 1 | - | - | - | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| W6 = 03 | 9 | 9+ | 9 | 8 | 4 | - | - | - | 1 | - | - | - | - | - | 4 | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 9 | 7 | 4 | 1 | 2 | 3 | 1 | - | - | - | - | 7 | 7 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 8 | 5 | 2 | 2 | 1 | 5 | 1 | - | - | - | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 9 | 8 | 7 | 1 | 1* | 1* | - | - | - | - | 8 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9+ | 9 | 9 | 9 | 7 | 4 | 2* | - | - | 9 | 8 | 6 | 5 | 8 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 9+ | 9+ | 9+ | 9 | 8 | - | - | - | - | 9+ | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 8 | 8 | 6 | 6 |
| P4 = 09 | 7 | 8 | 9 | 9 | 9 | 8 | 3 | - | - | - | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 5 |
| HC = 10 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 4* | 2* | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6* | 5* | 3* | 5 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 7 | 5 | 3 | 6* | 4* | 2 | 7 | 7 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 6 | 2 | 2 |
| I = 15 | 8 | 8 | 9 | 2 | - | - | 1* | 5* | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 6 | 2 | - | - | 2 | 5 |
| UA3 = 16 | - | - | - | - | 3* | 5* | 5* | 4 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 9 | 9 | 9 | 3 | - | - | - | - | - |
| UN = 17 | - | 2* | 2* | 4 | 9 | 6 | 5 | 8 | 8 | 7 | 6 | 6 | 6 | 7 | 8 | 8 | 2 | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 1* | 2* | 2* | 6 | 6 | 4 | 8 | 8 | 8 | 6 | 5 | 6 | 6 | 7 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 8 | 9 | 8 | 8 | 5 | 6* | 7 | 8 | 8 | 6 | 2* | - | - | - | - | - | - | - | - | 3* | 4* | 3* |
| 4X = 20 | 9+ | 9+ | 9 | - | 6* | 4* | 3* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 6 | 5 | 8 | 9+ |
| HZ = 21 | 9+ | 9 | 6 | 2* | 8 | 7 | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 1* | 2* | 3* | 9 | 9 | 4 | 4 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 2 |
| JT = 23 | 2* | 2* | 2* | 9 | 8 | 4* | 4* | 7 | 8 | 7 | 6 | 6 | 5 | 5 | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 8 | 9 | 9 | 8 | 5 | 3* | 4* | 6 | 5 | 7* | 6* | 5 | 5 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 2* | 2* |
| JA1 = 25 | 9 | 8 | 8 | 8 | 7 | 6* | 7* | 8 | 8 | 8 | 7 | 4* | 4* | 1* | 1* | 2* | 2* | 2* | - | - | 3* | 4* | 4* | 3* |
| HS = 26 | 8 | 9 | 9 | 8 | 2 | 1* | 2 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 9 | 9 | 8 | 6 | 3 | 4* | 5* | 5 | 7* | 7* | 7* | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 3* | 8 |
| YB = 28 | 9 | 9 | 8 | 5 | 1 | - | 1 | 4 | 5 | 6* | 6* | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 4* | 3 | 5 | 2 | 1 | 1 | 3 | 1 | 3 | 6* | 5* | 3* | 2* | 1 | 1 | 2* | 4* | 6* | 6* | 6* | 4* | 5* | 5* | 4* |
| VK3 = 30 | 2* | 4 | 2 | 2 | 4* | 3* | - | - | 6* | 5* | 4* | 2* | 2* | 1* | 1* | 2* | 5* | 6* | 7* | 7* | 7* | 7* | 6* | 4* |
| KH6 = 31 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 5 | 4 | 2* | 3* | 2* | 2* | 3* | 2* | 4 | 6 | 6 | 8* | 7* | 5 | 5 | 6 |
| KH8 = 32 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 4 | 6* | 6* | 5 | 7* | 8* | 7* | 5 | 5 | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | 7 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 7 | 5 | 4 | 5 | 7 | 8 |
| SU = 34 | 9+ | 9+ | 9+ | 1 | 5* | 4* | 3* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 8 | 7 | 5 | 4 | 7 | 9 |
| 6W = 35 | 6 | 9 | 9+ | 9+ | 9+ | 9 | 3 | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 6* | 5* | 3* | 2 |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 7 | 4* | 5* | 4* | 2 | 9 | 9 | 8 | 5 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | - | - | - | 4* | 2* | - | 2 | 5 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 6 | 6 | 5 |
| FR = 39 | 1 | 2* | 4* | 4* | 4 | 4 | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 |
| FJL = 40 | - | - | 2* | 4* | 3* | 4* | 5* | 5* | 2* | 8 | 8 | 6 | 7 | 7 | 7 | 8 | 8 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Dec., Ascension Island, for SSN = Ultra High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 9 | 9 | 8 | 8 | 6 |
| VO2 = 02 | 2 | - | - | - | - | - | - | - | - | - | 6 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 4 |
| W6 = 03 | 9 | 9 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| W9 = 04 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| W3 = 05 | 7 | 5 | 1 | - | - | - | 1 | - | - | - | - | 4 | 8 | 8 | 9 | 9 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 6 | 8 | 6 | 4 | 1 | - | 1* | - | - | - | - | - | 6 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 8 | 2 | 3* | 1* | - | - | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 |
| VP2 = 08 | 3 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | 9+ | 9 | 9 | 8 | 5 | 4 | 6 | 7 | 7 | 6 | 4 | 5* | 5* | 5* |
| P4 = 09 | 4* | 4 | 5 | 5 | 5 | 2 | - | - | - | - | 6 | 9 | 9 | 5 | 4 | 4 | 5 | 6 | 7 | 5 | 4* | 6* | 6* | 5* |
| HC = 10 | 7 | 8 | 9 | 9 | 8 | 7 | 4 | 4* | 5* | 2* | 2 | 8 | 5 | 5 | 4 | 4 | 6 | 7 | 8 | 8 | 8 | 7 | 6 | 6 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 8 | 8 | 8 | 8 | 5 | 2 | 1 | 5* | 2* | 1* | 1* | 1 | 1 | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 6 | 7 | 7 | 6 | 3* | - | - | 5* | 1* | 1* | 1 | 1 | 1 | - | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 7 |
| G = 14 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 4 | - | - | - |
| I = 15 | 1 | 2 | 5 | - | - | - | - | 4* | 9 | 9 | 9 | 9 | 5 | 4 | 3 | 4 | 5 | 3 | - | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | 3* | 1* | 2* | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 3 | - | - | - | - | - | - |
| UN = 17 | - | 3* | 4* | 4* | 8 | 2 | 1* | 5 | 8 | 7 | 6 | 7 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 4* | 2* | 3* | 2* | 1 | 1* | 4 | 8 | 8 | 7 | 6 | 7 | 8 | 3 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 4 | 8 | 8 | 6 | 2* | 3* | 4* | 9 | 8 | 4* | 1* | - | - | - | - | - | - | - | - | - | 2* | 5* | 4* |
| 4X = 20 | 7 | 8 | 5 | - | 5* | 2* | 1* | 2 | 9 | 9 | 5 | 4 | 5 | 5 | 6 | 7 | 9 | 8 | 5 | 2 | 1 | - | 2 | 6 |
| HZ = 21 | 9 | 9 | 1 | 6* | 5 | 2* | 2 | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ |
| VU = 22 | - | 3* | 4* | 8 | 7 | 2* | 1 | 5 | 7 | 6 | 5 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 6 | - |
| JT = 23 | 4* | 3* | 3* | 6 | 6 | 2* | 1* | 2* | 8 | 8 | 7 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | 3* |
| VR2 = 24 | 6 | 9 | 8 | 7 | 4* | 4* | 2* | 4 | 6 | 7 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 3* | 4* |
| JA1 = 25 | 7 | 7 | 8 | 8 | 6 | 3* | 4* | 5* | 8 | 8 | 6* | 6* | 4* | 2* | 2* | 2* | 2* | 1* | - | - | 2* | 5* | 5* | 4* |
| HS = 26 | 5* | 8 | 9 | 7 | 2* | 2* | 1* | 6 | 7 | 7 | 7 | 7 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 |
| DU = 27 | 9 | 9 | 8 | 5 | 4* | 4* | 3* | 5 | 6 | 7* | 7* | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 1 | 5* | 5* |
| YB = 28 | 7 | 9 | 7 | 4 | 1* | - | - | 4 | 5 | 6 | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VK6 = 29 | 5* | 5* | 3* | 2* | 2* | 1* | 2 | - | 1 | 6* | 5* | 4* | 3* | 2* | 2* | 3* | 5* | 5* | 3* | 1* | - | - | 4* | 5* |
| VK3 = 30 | 4* | 3* | 2* | 3* | 4* | 2* | - | - | 2* | 6* | 5* | 4* | 3* | 2* | 2* | 3* | 5* | 5* | 5* | 5* | 7* | 7* | 6* | 5* |
| KH6 = 31 | 5 | 8 | 8 | 8 | 8 | 8 | 3 | 2* | 4* | 4* | 4* | 3* | 3* | 3* | 2* | - | - | 8 | 6 | 8* | 7* | 6* | 4* | 3 |
| KH8 = 32 | 6 | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 8* | 8 | 8 | 7 | 5 | 5* | 5* | 5* | 5 | 6 | 6 | 7* | 6 | 5 | 5 | 5 |
| CN = 33 | 5 | 5 | 3 | 3 | - | - | - | - | 2* | 9+ | 9 | 7 | 3 | 2 | 1 | 2 | 3 | 4* | 3* | 9+ | 9+ | 9+ | 1 | 2 |
| SU = 34 | 7 | 7 | 7 | - | 2* | 2* | 1* | 1 | 9 | 9 | 4 | 3 | 4 | 5 | 5 | 7 | 7 | 7 | 4 | 1 | - | - | 1 | 5 |
| 6W = 35 | - | 2 | 6 | 9 | 9 | 6 | - | - | 1 | 9 | 9+ | 9 | 7 | 7 | 6 | 7 | 7 | 6 | 5* | 6* | 5* | 4* | - | - |
| D2 = 36 | 9+ | 9+ | 9 | 7 | 1 | 5* | 3 | 7 | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 6 | 1 | 2* | 5* | 4* | 1* | 1 | 2 | - | 1* | 4 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | 2* | - | - | - | - | - | 1 | 2 | 3 | 3 | 3 | 4 | 5 | 5 | 3 | 1 | - | - | - |
| FR = 39 | - | - | 4* | 4* | 2* | 1* | 3 | 7 | 7 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - |
| FJL = 40 | - | - | 2* | 3* | 2* | 1* | 2* | 2* | - | 6 | 8 | 8 | 8 | 8 | 8 | 8 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jan., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| W6 = 03 | - | - | - | 3 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 4 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 2 | 3 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 1 | 5 | 5 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 6 | 5 | 4 | 5 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| P4 = 09 | 6 | 5 | 4 | 4 | 4 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 3 | 2 | 4 | 4 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 |
| CE = 12 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 4 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 |
| I = 15 | 3 | 3 | 3 | 2 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 2 | 3 |
| UA3 = 16 | 5 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 | 5 |
| UN = 17 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 2 |
| HZ = 21 | 4 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 3 |
| VU = 22 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 |
| SU = 34 | 2 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 2 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| FR = 39 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| FJL = 40 | 4 | 3 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jan., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 2 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| W6 = 03 | - | 1 | 3 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 7 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| XE1 = 06 | 2 | 5 | 6 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 4 | 8 | 8 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 9 | 8 | 7 | 8 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 |
| P4 = 09 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 |
| HC = 10 | 6 | 5 | 7 | 7 | 7 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 |
| CE = 12 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 8 | 7 | 7 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| G = 14 | 7 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 |
| I = 15 | 6 | 6 | 6 | 5 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 5 | 6 |
| UA3 = 16 | 8 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 | 8 |
| UN = 17 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 |
| UA9 = 18 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 2 | - |
| 4X = 20 | 5 | 5 | 5 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 7 | 5 |
| HZ = 21 | 7 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 | 6 |
| VU = 22 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 |
| SU = 34 | 5 | 5 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 5 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 |
| FR = 39 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 |
| FJL = 40 | 7 | 6 | 6 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jan., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 3 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 8 | 9 |
| W6 = 03 | 5 | 6 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 |
| XE1 = 06 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 |
| I = 15 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 8 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 7 | 7 | 8 |
| UA9 = 18 | 7 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 | 6 | 7 | 7 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 5 |
| 4X = 20 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 8 |
| HZ = 21 | 8 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 | 8 | 8 |
| VU = 22 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 8 | 8 | 8 |
| JT = 23 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 6 | 6 | 8 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 6 | 7 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 7 | 7 | 1 |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 2 | 6 | 7 | 7 | 5 | 4 |
| YB = 28 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 6 | 6 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| KH6 = 31 | - | - | - | 2 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 |
| KH8 = 32 | - | - | - | - | - | 1 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9+ | 9+ | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 9 | 9 |
| FJL = 40 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jan., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 7 | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 5 | 5 | 4 | 4 | 5 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | 1 | 3 | 5 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W9 = 04 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 8 | 8 | 7 | 6 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | 1 | 3 | 8 | 8 | 8 | 8 | 8 | 9 |
| UN = 17 | 8 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 1 | 5 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 5 | 1 | 1 | 1 | 1 | 1 | - | 1 | 1* | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 7 | 6 | 6 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 5 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 6 | 6 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 7 |
| JA1 = 25 | 1 | 1 | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 3 | 1* | 6 | 5 |
| HS = 26 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 6 | 6 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 2 | 1 | - |
| KH6 = 31 | - | 1 | 4 | 7 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1* | - | 2 | - | - | - |
| KH8 = 32 | - | - | - | - | 5 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 6 | 4 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | 1 | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 7 | 5 | 1 | 1* | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 6 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jan., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 5 | 2* | 3* | 2 | 3 | 2 | 2 | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 9 | 9 |
| VO2 = 02 | 9 | 8 | 7 | 8 | 9 | 9 | 8 | 4 | 1* | 6 | 8 | 6 | 2 | 1 | - | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | 1 | 1* | 1* | 1 | 3 | 5 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | - | 3 | 3 | 1 | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | - | 4 | 7 | 2 | 1 | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | - | 2 | 1 | - | - | - | - | - | 1 | 1 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 8 | 6 | 1 | - | - | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 1 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 7 | 9 | 6 | 5 | 3 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 5 | 2 | 1 | - | - | 1 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 3 | 1 | 1 | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9 | 9 | 9 | 6 | - | 1 | 9 | 9 | 7 | 4 | 1 | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 9 | 9 | 9 | 6 | 2 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 8 | 8 | 1* | 2* | 4 | 8 | 9 | 7 | 2 | 1 | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 5 | 6 | 9 | 8 | 8 | 6 | 3 | 2 | - | - | - | - | - | - | 4 | 7 | 7 | 2 | 2 | 5 | 8 | 9 | 9 |
| UA9 = 18 | - | 1* | 1* | 7 | 9 | 8 | 8 | 5 | 3 | 2 | - | - | - | - | - | 3 | - | - | 1* | - | 2 | 5 | 2 | 1* |
| UA0 = 19 | 8 | 8 | 7 | 6 | 5 | 7 | 7 | 5 | 5* | 4* | - | - | - | - | - | - | - | 3 | 5 | 5 | 3 | 2* | 2* | 3* |
| 4X = 20 | 9+ | 9+ | 9 | 9 | 6 | 9+ | 9 | 9 | 7 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 7 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | 2 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 2 | - | 6 | 9 | 8 | 6 | 2 | 1 | 1 | - | - | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 1* | 2* | 8 | 8 | 7 | 5 | 4 | 4 | 3 | 2* | - | - | - | - | - | - | - | - | - | 4 | 7 | 5 | - | 1* |
| VR2 = 24 | 8 | 8 | 6 | 3 | 1 | - | - | 2* | 2* | 3* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 7 | 6 |
| JA1 = 25 | 8 | 6 | 4 | 4 | 3 | 3 | 5* | 6* | 8 | 5* | 1* | - | - | - | - | - | - | 1 | 3 | 1 | 2* | 2* | 3* | 9 |
| HS = 26 | 9 | 9 | 8 | 6 | 2 | - | - | - | 1* | 1* | 1* | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 5 | 1 | - | - | 1* | 3* | 4* | 4* | 2* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 9 | 7 | 3 | - | - | - | - | 1* | 2* | 1* | - | - | - | 1 | 3 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| VK6 = 29 | 9 | 7 | 5 | 3 | 1 | - | - | - | 1* | 1* | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK3 = 30 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3* | 3 | 2 | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 7 | 6 |
| KH6 = 31 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | 1* | 1 | 5* | 5* | 3* | - | - | 1 |
| KH8 = 32 | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | 4* | 6* | 7* | 6* | 5* | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 1 | 9+ | 9 | 8 | 6 | 4 | 2 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 6 | 9+ | 9 | 9 | 8 | 3 | 2 | 1 | 1 | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 8 | 5 | 4 | 8 | 9 | 9 | 8 | 6 | 5 | 4 | 3 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9 | 8 | 9 | 9 | 9 | 6 | 4 | 3 | 1 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 1* | 1* | - | 1* | 1* | 1* | 1* | 1* | 8 | 7 | 2 | 1 | - | - | - | 2 | 6 | 8 | - | 1* | 1* | 1* | 1* | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jan., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 9 | 9 | 7 | 2* | 2* | 2* | 3* | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 8 | 4 | 1 | 2 | 5 | 6 | 2 | - | - | - | 8 | 8 | 6 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| W6 = 03 | 9+ | 9+ | 9 | 8 | 7 | 2 | 2 | 5 | 6 | 5 | - | - | - | - | 2 | 2 | 3 | 8 | 7 | 6 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 6 | 6 | 5 | 6 | 6 | 5 | 3 | - | - | 5 | 4 | 2 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9 | 9 | 7 | 6 | 7 | 5 | 5 | 6 | 2 | - | - | 8 | 7 | 4 | 3 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | 5 | 3 | 2 | 2 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | 8 | 6 | 5 | 2 | 2 | 4 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | 9+ | 9 | 8 | 7 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 8 | 7 | 1 | 9 | 8 | 7 | 5 | 4 | 2 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 3 | 2 | 3 | - | - | - | 5 | 9 | 9 | 8 | 5 | 6 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 7 |
| I = 15 | 9+ | 9+ | 9 | 8 | 1 | - | 2* | 9+ | 9 | 9 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 1 | 2 | 1 | - | 3* | 5* | 4 | 9 | 9 | 8 | 6 | 3 | 3 | 3 | 5 | 7 | 9 | 9 | 8 | - | - | - | - | - |
| UN = 17 | 2 | 1* | 1* | 7 | 9 | 8 | 5 | 8 | 5 | 9 | 2 | 2 | 4 | 5 | 6 | 7 | 6 | - | - | - | - | 3 | 6 | 6 |
| UA9 = 18 | 1* | 1* | 1* | 1* | 9 | 7 | 5 | 8 | 7 | 5 | 5 | 2 | 1 | 4 | 6 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 6 | 9 | 8 | 7 | 8 | 6 | 6* | 8 | 7* | 6* | 6 | - | - | - | - | - | - | - | - | - | - | 3* | 2* | 2* |
| 4X = 20 | 9+ | 9+ | 9 | - | 4* | 6 | 3 | 9 | 9 | 8 | 5 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 5 | 1* | 8 | 6 | 8 | 8 | 7 | 5 | 4 | 6 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1* | 1* | 1* | 9 | 9 | 7 | 6 | 6 | 4 | 3 | 4 | 2 | 3 | 4 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 1 |
| JT = 23 | 1* | 1* | 2 | 9 | 8 | 5 | 3* | 7 | 6 | 6 | 4 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 8 | 9 | 9 | 8 | 5 | 2 | 3 | 4 | 7 | 8 | 3* | 1* | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 2* | 2* |
| JA1 = 25 | 9 | 8 | 8 | 7 | 7 | 6* | 7* | 8* | 8* | 7* | 6* | 1* | - | - | - | - | - | 1* | - | - | 3* | 3* | 3* | 7 |
| HS = 26 | 6 | 9 | 9 | 8 | 6 | 2 | 2 | 3 | 4 | 9 | 4 | 3 | 3 | 4 | 4 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 |
| DU = 27 | 9 | 9 | 8 | 6 | 2 | 2* | 4* | 5* | 8 | 8 | 5* | 2* | 1 | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 4 | 8 |
| YB = 28 | 9 | 9 | 9 | 7 | 3 | 1 | 1 | 1 | 2* | 9 | 4* | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| VK6 = 29 | 9 | 9 | 8 | 7 | 6 | 4 | 3 | 5 | 6 | 9 | 3 | 2 | 3 | 3 | 4 | 6 | 7 | 7 | 5* | 5 | 5* | 4* | 3* | 6 |
| VK3 = 30 | 8 | 6 | 6 | 4 | 4 | 4 | 5 | 7 | 6 | 7 | 4* | 2 | 1 | 1 | 1 | 1 | 4* | 5* | 7* | 7* | 7* | 6 | 7 | 8 |
| KH6 = 31 | 8 | 8 | 9 | 9+ | 9+ | 9 | 9 | 7 | 8 | 3 | - | - | - | - | - | 1* | 3 | 7 | 7 | 8* | 6* | 5 | 5 | 6 |
| KH8 = 32 | 1 | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 1 | - | 4* | 6* | 8 | 8* | 8* | 7* | 6* | 1 | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 3 | 4* | 5 | 2 | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 2 | 3* | 2 | 8 | 9 | 9 | 8 | 7 | 7 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 8 | 3 | - | 1* | 2* | 2* | 2 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 7 | 2* | 3 | 9 | 7 | 8 | 8 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | - | 1* | 1* | 2* | 3* | 4* | 5* | 6* | 5* | 8 | 8 | 4 | 2 | 2 | 4 | 6 | 8 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jan., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 8 | 4 | 2* | 2* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 4 | - | - | - | 1 | 1 | - | - | - | - | 6 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 7 |
| W6 = 03 | 9 | 9 | 9 | 5 | 2 | - | - | - | 2 | 2 | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 7 | 1 | 1 | - | 1 | 1 | 1 | - | - | - | 6 | 7 | 6 | 7 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| W3 = 05 | 6 | 8 | 1 | 1 | 1 | - | 1 | 1 | - | - | - | 6 | 8 | 6 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9+ | 9 | 8 | 6 | 6 | 5 | 2 | - | - | - | - | - | 6 | 7 | 7 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 3 | 1* | - | - | 7 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | 9+ | 9 | 9 | 7 | 6 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | - | - | 9 | 9 | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4* | 4* | 1* | 4 | 8 | 8 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 5* | 5 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5* | 5* | 7 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 5 | - | 1 |
| I = 15 | 9+ | 8 | 7 | 2 | - | - | - | 5* | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | - | - | - | - | 1* | 6* | 4* | 6 | 9 | 8 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 8 | - | - | - | - | - | - |
| UN = 17 | - | 1* | 1* | 4 | 9 | 4 | 1* | 8 | 8 | 6 | 6 | 5 | 6 | 7 | 8 | 8 | - | - | - | - | - | - | 1 | 1 |
| UA9 = 18 | 1* | 1* | 1* | 2* | 4 | 2 | 4* | 8 | 8 | 6 | 5 | 6 | 6 | 7 | 1 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | 8 | 9 | 8 | 8 | 5* | 6* | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 2* | 3* | 2* |
| 4X = 20 | 9+ | 9+ | 4 | - | 5* | 4* | 2* | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | - | 3* | 5 | 2* | 4 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | 1* | 2* | 9 | 8 | 2 | 2 | 7 | 7 | 5 | 8 | 5 | 6 | 6 | 8 | 9 | 9 | 9+ | 9 | 8 | 7 | 4 | 1 | - |
| JT = 23 | 1* | 1* | 2* | 8 | 8 | 3* | 4* | 6 | 7 | 6 | 5 | 6 | 6 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 6 | 9 | 9 | 7 | 5 | 2* | 3* | 5 | 4 | 6* | 5 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 4 | 2* | 2* |
| JA1 = 25 | 9 | 8 | 8 | 7 | 6 | 6* | 7* | 8* | 8 | 8* | 5* | 6* | 4* | 2* | 1* | 2* | 1* | - | - | - | 1* | 3* | 3* | 2* |
| HS = 26 | 2* | 8 | 9 | 8 | 3 | 1* | 2 | 5 | 7 | 7 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 2 |
| DU = 27 | 9 | 9 | 8 | 6 | 3 | 2* | 4* | 5 | 6 | 7* | 6 | 6* | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 5 | 2* | 4 |
| YB = 28 | 9 | 9 | 8 | 7 | 1 | - | 1 | 3 | 7 | 6 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 5 | 8 | 8 | 5 | 2 | 1 | 1 | 7 | 3 | 5 | 4 | 5 | 5 | 3 | 3 | 4 | 4* | 5* | 6* | 5* | 1* | 2* | 4* | 4* |
| VK3 = 30 | 6 | 7 | 7 | 5 | 2 | 1 | 2 | 6 | 6 | 5 | 4 | 4* | 2* | 1 | 1* | 2* | 4* | 6* | 7* | 6* | 7* | 6* | 5* | 5* |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2* | 4 | 2* | 4* | 3* | 2* | 2* | 2* | - | 1 | 5 | 4 | 8* | 7* | 6 | 7 | 7 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 4* | 5* | 5 | 5 | 5 | 8* | 8* | 7* | 5 | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 8 | - | 4* | 4* | 2* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 2 | 4* | 5* | 3* | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | - | - | - | 4* | 2* | - | 2 | 8 | 7 | 7 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5 |
| FR = 39 | 7 | 1 | 4* | 4* | 5 | 2 | 6 | 9 | 8 | 8 | 8 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| FJL = 40 | - | - | 1* | 3* | 4* | 4* | 4* | 5* | 4* | 6 | 8 | 7 | 7 | 6 | 8 | 8 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jan., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 5 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3* |
| W6 = 03 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 2* | 2* | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| XE1 = 06 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 8 | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 1* | - | - | - | 1 | 9 | 8 | 7 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 8 | 9+ | 9 | 8 | 6 | 6 | 7 | 9 | 9 | 9 | 8 | 8 | 8 | 8 |
| P4 = 09 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | 1 | 9 | 9 | 6 | 5 | 5 | 6 | 9 | 9 | 9 | 8 | 8 | 8 | 8 |
| HC = 10 | 9 | 9 | 9+ | 9 | 9 | 7 | 2 | 4* | 5* | - | - | 9 | 9 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 2 | 2* | 4* | 2* | 3 | 7 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9 | 9+ | 9+ | 8 | 6 | 2 | - | 2* | 3* | 2* | 5 | 7 | 6 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 8 | 2 | - | - | - |
| I = 15 | 7 | 4 | 1 | - | - | - | - | 3* | 9+ | 9 | 9 | 8 | 8 | 4 | 4 | 7 | 9 | 9 | 7 | 6 | 7 | 9+ | 9+ | 9 |
| UA3 = 16 | - | - | - | - | - | 4* | 1* | 1* | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | - | - | - | - | - | - | - |
| UN = 17 | - | 2* | 3* | 3* | 8 | 3* | 1* | 2 | 8 | 8 | 7 | 6 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 2* | 2* | 2* | 3* | 3* | 2* | 1* | 3 | 8 | 8 | 7 | 7 | 8 | 6 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 5 | 8 | 8 | 5 | 3* | 2* | 4* | 8 | 8 | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 4* |
| 4X = 20 | 9+ | 5 | - | - | 3* | 4* | 2* | 1* | 9 | 9 | 8 | 5 | 5 | 6 | 7 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 3 | - | 5* | 4* | 2* | 1* | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | - | 4* | 4* | 5 | 5 | 2* | - | 4 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 7 | 2 | - | - | - | - |
| JT = 23 | 3* | 2* | 3* | 3* | 5 | 2* | 2* | 2* | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5* | 9 | 8 | 7 | 3* | 2* | 2* | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 9 | 9 | 9 | 6 | 6 | 5 | - | 1* | 4* |
| JA1 = 25 | 8 | 8 | 8 | 6 | 5* | 5* | 4* | 5* | 6 | 7* | 7* | 5* | 4* | 2* | 1* | - | - | - | - | - | - | 4* | 5* | 4* |
| HS = 26 | 4* | 5 | 9 | 7 | 2* | 1* | 1* | 3 | 7 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 3* |
| DU = 27 | 8 | 9 | 7 | 5 | 3* | 3* | 2* | 5 | 6 | 6 | 7* | 6* | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | - | 4* | 5* |
| YB = 28 | 6 | 9 | 7 | 2 | 1* | - | - | 2 | 5 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| VK6 = 29 | 5* | 4 | 5 | 2* | 1* | - | - | 5 | 4 | 6* | 5* | 4* | 2* | 2* | 2* | 2* | 5* | 5* | 2* | - | - | - | - | 4* |
| VK3 = 30 | 4* | 3* | 2* | 2* | 2* | - | - | 2 | 3 | 6* | 5* | 5* | 3* | 2* | 2* | 3* | 5* | 6* | 6* | 4* | 5* | 6* | 6* | 5* |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 8 | 1 | 2* | 5* | 5* | 4* | 4* | 2* | 2* | - | - | - | 7 | 7 | 8* | 8* | 6 | 6 | 7 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 8 | 8 | 6 | 8* | 9 | 8 | 8 | 6 | 5* | 5* | 3 | 4 | 5 | 6 | 6 | 8* | 7* | 6* | 5 |
| CN = 33 | 9+ | 8 | 4 | 1 | - | - | - | - | 2 | 9+ | 9 | 9 | 5 | 2 | 2 | 5 | 8 | 8 | 7 | 7 | 7 | 8 | 9+ | 9+ |
| SU = 34 | 9+ | 8 | 1 | - | 1* | 4* | 2* | 1* | 9 | 9 | 8 | 5 | 4 | 5 | 6 | 9 | 9 | 9+ | 8 | 8 | 9 | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9 | 9 | 9 | 9 | 1 | - | - | 3 | 9+ | 9+ | 9+ | 9 | 7 | 7 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ |
| D2 = 36 | 9+ | 9+ | 9 | 8 | 2 | 4* | 1 | 8 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 4 | 1 | - | 1* | 5* | 3* | - | 1 | 7 | 5 | 2 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 |
| ZS6 = 38 | - | - | - | - | 1* | 1* | - | - | 1 | - | - | 4 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 7 | 3 | - | - | - |
| FR = 39 | 1 | - | 4* | 4* | 2* | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 |
| FJL = 40 | - | - | 1* | 3* | 3* | 1* | 1* | 2* | - | - | 7 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jan., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 5 | 3 | 2* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 4* | 1* |
| W6 = 03 | 9 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| W9 = 04 | 6 | 1* | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| W3 = 05 | 2* | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 2 |
| XE1 = 06 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 8 | 6 | 6 | 7 | 7 | 6 | 6 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | 8 | 6 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| VP2 = 08 | 4 | 5 | 5 | 2 | - | - | - | - | - | - | - | 9 | 6 | 1 | 1 | 1 | 2 | 4 | 5 | 5 | 4 | 5* | 4* | 5* |
| P4 = 09 | 3* | 3 | 4 | 3 | - | - | - | - | - | - | - | 9 | 5 | 1 | - | 1 | 2 | 3 | 5 | 5 | 4 | 5* | 5* | 5* |
| HC = 10 | 7 | 7 | 8 | 7 | 5 | 2 | - | 2* | 1* | - | - | 8 | 4 | 2 | 2 | 3 | 5 | 5 | 6 | 7 | 8 | 8 | 7 | 7 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 8 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | 1 | 1 | 1 | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| LU = 13 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | 1 | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 2 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 7 | 1 | - | - | - | - |
| I = 15 | 2 | - | - | - | - | - | - | - | 4 | 9 | 9 | 4 | 1* | - | - | - | 2 | 2 | - | - | 1 | 9 | 7 | 5 |
| UA3 = 16 | - | - | - | - | - | - | - | - | 5 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - |
| UN = 17 | - | 1* | 5* | 4* | 5 | 1* | - | - | 8 | 8 | 6 | 4 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 4* | 3* | 2* | 1* | - | - | - | 8 | 8 | 9 | 8 | 8 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 3* | 4 | 5 | 2* | - | - | 1* | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5* | 5* | |
| 4X = 20 | 5 | - | - | - | - | 2* | - | - | 6 | 8 | 2 | 1 | 1* | 1 | 1 | 5 | 7 | 7 | 5 | 5 | 6 | 8 | 9 | 9 |
| HZ = 21 | 4 | - | - | 3* | 3* | 1* | - | - | 8 | 8 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | - | 2* | 6* | 4* | 3* | 1* | - | - | 6 | 5 | 3* | 3 | 5 | 7 | 7 | 9 | 9 | 8 | 2 | - | - | - | - | - |
| JT = 23 | 4* | 3* | 3* | 3* | 1* | - | - | - | 6 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 8 | 6 | 4* | 2* | 1* | - | - | 5 | 4 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 7 | 1 | 2 | 1 | - | - | 5* |
| JA1 = 25 | 4* | 7 | 5 | 4* | 3* | 1* | - | - | 1* | 5* | 6* | 6* | 5* | 3* | 1* | - | - | - | - | - | - | 4* | 5* | 5* |
| HS = 26 | 5* | 5* | 7 | 4* | 2* | 1* | - | - | 7 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 3 | - | 2* |
| DU = 27 | 7 | 7 | 5 | 4* | 3* | 2* | - | 1 | 6 | 5 | 6* | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 1 | - | 3* | 5* |
| YB = 28 | 4* | 7 | 3 | 2* | 1* | - | - | - | 5 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 9 | 8 | 6 | 5 | 2* |
| VK6 = 29 | 1* | 1* | 4* | 2* | - | - | - | 2 | 1 | 4* | 4* | 2* | 2* | 2* | 2* | 3* | 2* | 1* | - | - | - | - | - | - |
| VK3 = 30 | 4* | 4* | 3* | 2* | 1* | - | - | - | - | 5* | 5* | 4* | 4* | 3* | 3* | 3* | 4* | 4* | 3* | 1* | 1* | 4* | 5* | 5* |
| KH6 = 31 | 6 | 7 | 8 | 8 | 6 | 4 | - | - | 3* | 4* | 3* | 5* | 4* | 1* | - | - | - | 6 | 6 | 6 | 7* | 6* | 5 | 5 |
| KH8 = 32 | 6 | 7 | 8 | 8 | 7 | 6 | 3 | 1 | 7* | 7* | 8 | 6 | 5 | 4* | 2 | 1 | 2 | 5 | 6 | 7 | 7 | 7 | 6 | 6 |
| CN = 33 | 5 | 1 | - | - | - | - | - | - | - | 7 | 9 | 3 | - | - | - | 1* | 1 | 1 | - | 1 | 1 | 3 | 6 | 7 |
| SU = 34 | 8 | 1 | - | - | - | 2* | - | - | 5 | 6 | 1 | 1* | 1* | 1* | - | 4 | 6 | 6 | 4 | 4 | 5 | 7 | 8 | 9+ |
| 6W = 35 | 7 | 4 | 2 | 7 | 4 | - | - | - | - | 8 | 9 | 7 | 4 | 5 | 5 | 3 | 2 | 4* | 5* | 4* | 1 | 3 | 6 | 8 |
| D2 = 36 | 9 | 9 | 7 | 1 | - | 1* | - | - | 7 | 7 | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | - | 4* | 1* | - | - | - | - | 1* | 2 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 9 | 9+ | 9 | 6 | 1 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 1 | 2 | 3 | 2 | - | - | - | - | - |
| FR = 39 | - | - | 1* | 3* | 1* | - | - | 1 | 5 | 5 | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 4 | 1 | - |
| FJL = 40 | - | - | - | 1* | - | - | - | - | - | - | - | 4 | 6 | 4 | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Feb., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| W6 = 03 | - | - | - | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 3 | 5 | 5 | 5 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | - | 1 | 1 | 5 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 2 | 5 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 5 | 5 | 4 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 5 | 4 | 3 | 5 | 4 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 3 | 4 | 3 | 4 | 4 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 |
| CE = 12 | 1 | 2 | 2 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 4 | 4 | 4 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 4 | 4 | 4 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 |
| I = 15 | 3 | 3 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 3 |
| UA3 = 16 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 5 |
| UN = 17 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| HZ = 21 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 2 | 5 |
| VU = 22 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 5 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 4 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| FJL = 40 | 4 | 4 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Feb., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | 1 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| W6 = 03 | - | - | 2 | 5 | 6 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 6 | 8 | 8 | 8 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| XE1 = 06 | 1 | 4 | 4 | 8 | 7 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 5 | 8 | 5 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 8 | 7 | 6 | 8 | 7 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| HC = 10 | 6 | 7 | 6 | 7 | 7 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| PY1 = 11 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 |
| CE = 12 | 4 | 5 | 5 | 6 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| G = 14 | 7 | 7 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 6 |
| I = 15 | 6 | 6 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 6 |
| UA3 = 16 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 8 |
| UN = 17 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 |
| UA9 = 18 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| 4X = 20 | 5 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 |
| HZ = 21 | 7 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 5 | 8 |
| VU = 22 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - |
| VK3 = 30 | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 8 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| SU = 34 | 7 | 5 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 |
| FJL = 40 | 7 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Feb., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1 | 4 | 5 | 7 | 7 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 |
| W6 = 03 | 2 | 5 | 7 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 |
| XE1 = 06 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 |
| HC = 10 | 9 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 7 | 8 | 8 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 7 | 1 |
| 4X = 20 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 8 | 8 | 9 | 9 |
| VU = 22 | 8 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 8 | 7 |
| JT = 23 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 7 | 6 | 6 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 5 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 5 | - |
| HS = 26 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 7 | 7 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 2 | 6 | 7 | 5 | 6 | 1 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 8 | 8 | 8 | 5 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 1 | - | - |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | - |
| KH8 = 32 | - | - | - | - | - | 2 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 | 9+ |
| FR = 39 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 |
| FJL = 40 | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Feb., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 6 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | 3 | 3 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 6 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | 1 | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 6 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| VU = 22 | 7 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 8 | 8 | 8 | 7 |
| JT = 23 | 7 | 7 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 7 | 7 | 2 |
| HS = 26 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | 2 | 6 | 7 | 8 | 7 | 7 | 6 |
| YB = 28 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 5 | 1 | - |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1* | - | 5 | 4 | - | - |
| KH8 = 32 | - | - | - | - | 4 | 6 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 3 | 2 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 6 | 1 | 2* | 6 | 6 | 4 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Feb., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | - | 1 | - | - | - | - | - | 1 | 5 | 5 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 9 | 8 | 5 | 2 | - | - | 1 | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | - | - | - | - | - | - | 1* | - | 1 | 2 | 4 | 7 | 8 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 1 | 5 | 2 | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 7 | 8 | 6 | 2 | - | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | - | 3 | 2 | - | - | - | - | - | 1 | 1 | 4 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 7 | 6 | 2 | - | - | - | - | 1 | 4 | 3 | 6 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 8 | 5 | 2 | 1 | - | - | - | 1 | 3 | 5 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 6 | 9+ | 9 | 6 | 3 | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 8 | 2* | 7 | 9 | 8 | 5 | 1 | 1 | - | - | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 8 | 5 | 8 | 8 | 8 | 6 | 1 | 1 | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 8 | 9 | 9 | 8 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 8 | 9 | 9 | 9 | 9 |
| UA9 = 18 | - | - | 5 | 9 | 8 | 7 | 5 | 4 | 2 | - | 1 | - | - | - | - | 2 | 7 | 5 | 1* | 1* | 2 | 6 | 6 | 2 |
| UA0 = 19 | 9 | 8 | 6 | 5 | 5 | 4 | 5 | 4 | 6 | 2* | 1* | - | - | - | - | - | - | 6 | 7 | 7 | 5 | 2 | 5 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9 | 4 | 9 | 8 | 8 | 6 | 2 | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 5 | 4 | - | - | - | - | 2 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| VU = 22 | 8 | - | 5 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 7 | 8 | 8 | 7 | 5 | 4 | 3 | 2 | 1 | 1 | - | - | - | - | - | 2 | 3 | - | 3* | 5 | 8 | 8 | 7 | 5 |
| VR2 = 24 | 8 | 8 | 5 | 2 | 1 | - | - | 1* | 2* | 3* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 5 |
| JA1 = 25 | 5 | 5 | 2 | 1 | 1 | 1 | 4* | 5* | 7 | 4* | 1* | - | - | - | - | - | 4 | 6 | 8 | 7 | 2 | 1 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 6 | 2 | - | - | - | 1* | 1* | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 4 | 1 | - | - | - | 3* | 4* | 4* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| YB = 28 | 9 | 9 | 7 | 3 | - | - | - | - | 1* | 2* | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | 1* | 1* | - | - | - | 1 | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| VK3 = 30 | 5 | 3 | 2 | 1 | 1 | 1 | 2 | 4* | 8 | 1 | 1 | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 8 | 8 | 8 | 6 |
| KH6 = 31 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | 2* | 2* | 5* | 5* | 2* | - | - | 1 |
| KH8 = 32 | - | - | 2 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 3* | 5* | 6* | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 9+ | 9 | 8 | 6 | 3 | 1 | 1 | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 7 | 9 | 9 | 9 | 7 | 2 | 1 | - | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 8 | 6 | 2 | 1 | - | - | 1 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9 | 7 | 3 | 1 | 7 | 9+ | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| FJL = 40 | 1 | - | - | 1* | 1* | 1* | 1* | 8 | 8 | 5 | 2 | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 7 | 2 | 1 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Feb., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 9 | 9 | 9 | 9 | 6 | 1 | 2* | 3* | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9 | 8 | 6 | 8 | 9 | 8 | 6 | 3 | - | 6 | 9 | 8 | 6 | 3 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9+ | 9 | 9 | 9 | 6 | 7 | 8 | 8 | 7 | - | - | - | - | 1 | 1 | 1 | 8 | 3 | 5 | 6 | 8 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 6 | 8 | 5 | - | - | 6 | 3 | 1 | 1 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 2 | 6 | - | 1 | 8 | 6 | 3 | 1 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 2 | - | - | 6 | 3 | 1 | 1 | 2 | 2 | 4 | 5 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6 | - | - | 8 | 6 | 5 | 4 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | 9+ | 9 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 9+ | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 1 | 9 | 8 | 6 | 5 | 3 | 2 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 7 | 5 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 8 | 8 | 8 | 6 | - | - | 9+ | 9 | 9 | 8 | 5 | 3 | 2 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 2 | - | 5* | 9+ | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 7 | 7 | 2 | 4* | 4 | 5 | 9 | 8 | 7 | 5 | 5 | 2 | 3 | 4 | 7 | 9 | 9 | 9 | 9 | 2 | 5 | 7 | 7 |
| UN = 17 | 6 | 5 | 6 | 9 | 9 | 8 | 7 | 6 | 4 | 2 | 1 | 2 | 1 | 2 | 3 | 6 | 9 | 8 | 2 | 1 | 1 | 7 | 8 | 8 |
| UA9 = 18 | - | - | - | 7 | 9 | 6 | 2 | 7 | 6 | 6 | 2 | 1 | 1 | 1 | 3 | 6 | 5 | - | - | - | - | - | - | - |
| UA0 = 19 | 9 | 8 | 8 | 8 | 6 | 6 | 5 | 7 | 7* | 6* | 4 | 2 | 1 | - | - | - | - | - | - | - | 1* | 2* | 2* | 5 |
| 4X = 20 | 9+ | 9+ | 9+ | 4 | 2* | 7 | 7 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 2 | 8 | 8 | 7 | 8 | 6 | 4 | 4 | 4 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1 | - | - | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 1 | 1 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9 |
| JT = 23 | - | 1 | 9 | 9 | 8 | 6 | 4 | 6 | 5 | 6 | 2* | 1 | 2 | 2 | 5 | - | - | - | - | - | - | - | 2* | - |
| VR2 = 24 | 8 | 8 | 8 | 6 | 3 | 1 | 2* | 3* | 7 | 7 | 4* | 1* | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 2 | 1* |
| JA1 = 25 | 8 | 7 | 6 | 6 | 5 | 5* | 6* | 7* | 8* | 7* | 2* | 1 | - | - | - | - | 1* | 1* | 1 | - | 2* | 2* | 5 | 9 |
| HS = 26 | 7 | 9 | 9 | 8 | 6 | 3 | 2 | 1 | 3* | 9 | 2* | 2 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| DU = 27 | 9 | 8 | 8 | 4 | 2 | 1 | 4* | 5* | 7 | 8 | 5* | 2* | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 2* | 6 |
| YB = 28 | 9 | 9 | 8 | 6 | 2 | - | 1 | 1 | 3* | 9 | 3* | 1 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 6 | 9 | 8 | 7 | 5 | 1 | 4 | 5 | 4 | 8 | 3* | 2 | 2 | 2 | 4 | 5 | 6 | 7 | 6 | 5* | 3* | 3* | 2* | 1* |
| VK3 = 30 | 8 | 8 | 5 | 5 | 4 | 5 | 6 | 6 | 6 | 5 | 4 | 2 | 1 | 1 | 1 | 1 | 3* | 5* | 6* | 6* | 6* | 7 | 8 | 8 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 | 8 | 8 | 5 | 2 | - | - | - | 1* | 1 | 7 | 7 | 8* | 6* | 3 | 3 | 5 |
| KH8 = 32 | 1 | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 3 | 1 | 1 | 1 | 5* | 8* | 8* | 8* | 7* | 4* | 1 | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | - | 4 | 9+ | 9 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 1* | 6 | 7 | 9+ | 9 | 8 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 2* | 3* | 2 | 9 | 9 | 9 | 7 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 5 | - | - | 1* | 2* | 2* | 5 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 9 | 8 | 2 | 4 | 8 | 7 | 9 | 7 | 5 | 4 | 3 | 3 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ |
| FJL = 40 | 1* | 1* | 1* | 1* | 2* | 3* | 4* | 5* | 9 | 9 | 7 | 4 | 2 | 1 | 2 | 4 | 8 | 9 | 8 | 2 | - | - | - | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Feb., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 6 | 4 | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 8 | 6 | 1 | 5 | 7 | 5 | 1 | - | - | - | 6 | 9 | 8 | 6 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 7 | 2 | 2 | 3 | 5 | 3 | - | - | - | - | 4 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 8 | 6 | 4 | 4 | - | 3 | 1 | - | - | 8 | 5 | 4 | 4 | 7 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | - | 1 | - | - | 9 | 8 | 6 | 4 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 2* | 1* | - | - | - | 7 | 6 | 5 | 4 | 8 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3* | 4* | - | - | 6 | 8 | 6 | 4 | 5 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 6 | 5 | 2* | 1 | 8 | 8 | 6 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5* | 5* | 5 | 9 | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 5* | 4* | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 4 | 4 | 5 | 1 | - | - | 1 | 9 | 9 | 8 | 7 | 5 | 7 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| I = 15 | 9+ | 9+ | 9 | 7 | - | - | 5* | 9 | 9+ | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 1 | 1 | 1 | - | 5* | 4* | 2* | 8 | 9 | 8 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 2 | - | - | 1 | - |
| UN = 17 | 1 | - | 1 | 8 | 9 | 5 | 2 | 7 | 5 | 4 | 7 | 8 | 5 | 6 | 7 | 8 | 9 | 2 | - | - | - | 1 | 2 | 3 |
| UA9 = 18 | - | 1* | 1* | 1* | 9 | 2* | 2* | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 7 | 8 | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 8 | 8 | 8 | 7 | 8 | 4* | 4* | 8 | 7 | 7* | 7 | 5 | 1* | - | - | - | - | - | - | - | - | 4* | 2* | 1* |
| 4X = 20 | 9+ | 9+ | 9 | 1* | 4* | 3* | 2* | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 6 | 2* | 5 | 3 | 2 | 8 | 8 | 6 | 7 | 6 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | 1* | 1* | 8 | 9 | 6 | 5 | 5 | 5 | 6 | 7 | 5 | 4 | 5 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9 | 9 | 9 | 5 |
| JT = 23 | - | 1* | 7 | 9 | 8 | 2* | 2* | 7 | 6 | 5* | 5 | 5 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5 | 9 | 8 | 6 | 5 | 2 | 3 | 3 | 2 | 6* | 6* | 5* | 4 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 1* | 1* |
| JA1 = 25 | 8 | 8 | 7 | 7 | 7 | 5* | 6* | 7 | 8* | 8* | 7* | 5* | 3* | 1* | 1* | 2* | 2* | 1* | - | - | - | 3* | 2* | 9 |
| HS = 26 | 2* | 8 | 9 | 8 | 5 | 1 | 3 | 5 | 6 | 6 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 4 |
| DU = 27 | 9 | 9 | 8 | 7 | 5 | 4* | 4* | 5 | 5 | 7* | 6* | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2* | 2* |
| YB = 28 | 9 | 9 | 7 | 4 | - | - | 1 | 2 | 6 | 6 | 5 | 5* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VK6 = 29 | 3* | 8 | 8 | 4 | 2 | 1* | 1 | 7 | 7 | 5 | 5 | 4 | 4 | 4 | 3 | 2 | 4* | 5* | 5* | 2* | - | 1* | 4* | 3* |
| VK3 = 30 | 8 | 7 | 6 | 4 | 2 | 3* | 3 | 6 | 6 | 6 | 6 | 4 | 2 | 1* | 1* | 2* | 4* | 5* | 6* | 5* | 6* | 5* | 5 | 7 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2* | 2* | 6 | 4* | 2* | 2* | 2* | 2* | 2* | 4 | 5 | 5 | 8* | 7* | 5 | 6 | 7 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 8 | 8 | 6 | 4 | 3 | 5* | 7* | 7* | 8* | 8* | 8* | 7* | 5* | 4 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 2 | 5* | 4* | 2* | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 8 | 5 | 4* | 5* | 4* | 3 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 5* | 3* | - | 9+ | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 |
| FR = 39 | 6 | 2 | 3* | 4* | 2 | 1 | 6 | 8 | 7 | 7 | 6 | 6 | 8 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 |
| FJL = 40 | 1* | 1* | 1* | 2* | 3* | 2* | 2* | 5* | 6 | 8 | 8 | 6 | 5 | 4 | 6 | 8 | 8 | 8 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Feb., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 9 | 9 | 8 |
| VO2 = 02 | 4 | 1 | - | - | 1 | 1 | - | - | - | - | - | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 |
| W6 = 03 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | 4 | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 7 | 6 | 2 | 2 | 4 | 4 | 2 | - | - | - | - | 6 | 8 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9 | 9+ | 9 | 8 | 7 | 2 | - | 1* | - | - | - | - | 1 | 7 | 8 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 8 | 7 | 1 | 3* | 1* | - | - | 1 | 9 | 8 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 3 | - | - | - | - | 9 | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | 1 | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 4* | 4* | 3* | - | 8 | 9 | 8 | 7 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 5* | 5 | 9+ | 4 | 6 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 6* | 4* | 2* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | 6* | 2* | 1* | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 | 2 | 2 |
| I = 15 | 9 | 8 | 7 | 1 | - | - | 1* | 1* | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 6 | 7 | 9 | 9+ |
| UA3 = 16 | - | - | - | - | 3* | 1* | - | 1 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 2 | - | - | - | - | - |
| UN = 17 | - | 2* | 2* | 5 | 9 | 2* | 1* | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 8 | 9 | 4 | - | - | - | - | - | - | - |
| UA9 = 18 | 2* | 2* | 2* | 2* | 6 | 1* | - | 3 | 8 | 7 | 8 | 6 | 6 | 7 | 7 | 1 | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2 | 8 | 9 | 8 | 7 | 1* | 1* | 5 | 8 | 7 | 7 | 1* | - | - | - | - | - | - | - | - | - | 2* | 4* | 3* |
| 4X = 20 | 9+ | 9+ | 6 | - | 5* | 3* | 1* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ |
| HZ = 21 | 9 | 7 | 1 | 5* | 4* | 2* | 1* | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | 2* | 2* | 5 | 8 | 1 | 1 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 5 | - |
| JT = 23 | 2* | 2* | 2* | 9 | 7 | 1* | 1* | 5 | 7 | 7 | 6 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 4* | 9 | 8 | 8 | 5 | 3* | 3* | 5 | 5 | 6* | 5 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | - | 3* |
| JA1 = 25 | 9 | 8 | 7 | 7 | 5 | 3* | 2* | 5 | 7 | 8* | 7* | 6* | 4* | 3* | 2* | 2* | 1* | - | - | - | - | 4* | 4* | 7 |
| HS = 26 | 5* | 6 | 9 | 7 | 2* | 2* | 2* | 5 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2* |
| DU = 27 | 8 | 9 | 8 | 7 | 4* | 4* | 5* | 6 | 6 | 7* | 7* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | - | 3* | 5* |
| YB = 28 | 6 | 8 | 4 | 2* | 1* | 1* | - | 4 | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 5* |
| VK6 = 29 | 5* | 4 | 3 | 1* | 1* | 1* | - | 4 | 5 | 6* | 5* | 5* | 2 | 2* | 1* | 2* | 4* | 3* | 1* | - | - | - | 3* | 5* |
| VK3 = 30 | 4 | 5 | 2 | 2* | 3* | 1* | - | 4 | 4* | 5* | 4 | 4* | 3* | 2* | 1* | 2* | 4* | 4* | 2* | 1* | 4* | 6* | 6* | 5* |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 7 | 1 | 3* | 4* | 5* | 4* | 4* | 4* | 3* | 3* | - | - | 7 | 7 | 7* | 8* | 6 | 6 | 7 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 7 | 6* | 7* | 8 | 8 | 8 | 5 | 4* | 5* | 6* | 6* | 5 | 5 | 8* | 8* | 7* | 6* | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 1 | - | - | - | 8 | 9+ | 9 | 9 | 9 | 9 | 6 | 9 | 9 | 9+ | 8 | 8 | 7 | 8 | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | - | 5* | 4* | 1* | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 2 | 5* | 2* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 2 | - | 6* | 5* | 4* | 1* | 7 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 5* | 2* | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 | 2 | - | - |
| FR = 39 | - | - | 4* | 4* | 2* | 1* | 2 | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 5 | 1 |
| FJL = 40 | - | 1* | 3* | 2* | 1* | - | - | 2* | 6* | 6 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Feb., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7* | 7 | 6 | 4 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 3* |
| W6 = 03 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 9 | 9 |
| W3 = 05 | 1* | 1 | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| XE1 = 06 | 8 | 9 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | 7 | 8 | 6 | 7 | 7 | 8 | 8 | 8 | 7 | 7 | 7 |
| TI = 07 | 8 | 9 | 9 | 9 | 5 | 2 | - | 1* | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| VP2 = 08 | 7 | 8 | 9 | 8 | 3 | - | - | - | - | - | 1 | 9+ | 9 | 5 | 4 | 4 | 5 | 6 | 7 | 7 | 6 | 5 | 5* | 5 |
| P4 = 09 | 5 | 7 | 8 | 8 | 4 | - | - | - | - | - | - | 9 | 9 | 5 | 4 | 4 | 5 | 6 | 7 | 7 | 6 | 5 | 4* | 4* |
| HC = 10 | 8 | 9 | 9+ | 9 | 9 | 7 | 2 | 2* | 5* | 1* | - | 8 | 9 | 6 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 3* | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | 2* | 1* | - | - | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 7 | 1 | - | - | 2* | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 5 | - | - | - |
| I = 15 | 6 | 4 | 2 | - | - | - | - | - | 9 | 9 | 9 | 5 | 4 | 2 | 2 | 3 | 5 | 5 | 2 | 1 | 1 | 1 | 5 | 9 |
| UA3 = 16 | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 9 | 7 | 8 | 8 | 9 | 8 | 2 | - | - | - | - | - | - |
| UN = 17 | - | 3* | 4* | 4* | 7 | 1* | - | 4 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 8 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 3* | 3* | 2* | 2* | - | - | - | - | 8 | 8 | 8 | 7 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 5 | 8 | 8 | 5 | - | - | - | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 5* | 5* |
| 4X = 20 | 9+ | 8 | - | - | 4* | 1* | - | - | 9 | 9 | 8 | 3 | 4 | 5 | 5 | 6 | 8 | 8 | 7 | 5 | 5 | 5 | 8 | 9 |
| HZ = 21 | 7 | 2 | - | 5* | 4* | 2* | - | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 |
| VU = 22 | - | 4* | 4* | 4* | 5 | 2* | - | 4 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - |
| JT = 23 | 4* | 3* | 3* | 6 | 4 | - | - | - | 7 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 5* | 8 | 8 | 7 | 4* | 3* | 1* | 3 | 6 | 6 | 6* | 6 | 6 | 7 | 7 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | 4* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 2 | - | - | - | 8 | 6* | 7* | 6* | 4* | 4* | 2* | 1* | - | - | - | - | - | 4* | 5* | 5* |
| HS = 26 | 5* | 6* | 7 | 5* | 4* | 2* | 1* | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 1* |
| DU = 27 | 6 | 8 | 8 | 5* | 5* | 5* | 2* | 4 | 7 | 7 | 7 | 6 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | - | 2* | 6* |
| YB = 28 | 5* | 5* | 4* | 3* | 1* | 1* | - | 1 | 5 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 2 | - | 5* |
| VK6 = 29 | 5* | 5* | 4* | 3* | 2* | - | - | - | 4 | 5 | 5* | 4* | 2* | 2* | 2* | 2* | 1* | - | - | - | - | - | - | 4* |
| VK3 = 30 | 4* | 2* | 2* | 3* | 3* | - | - | 1 | - | 5* | 4* | 4* | 3* | 2* | 2* | 1* | 2* | 1* | - | - | - | 5* | 6* | 5* |
| KH6 = 31 | 7 | 8 | 9 | 8 | 7 | 2 | - | 1* | 5* | 6* | 5* | 4* | 4* | 3* | 1* | - | - | 7 | 8 | 7 | 8* | 7* | 5 | 5 |
| KH8 = 32 | 7 | 8 | 8 | 8 | 8 | 6 | 2 | 3* | 8* | 8* | 8 | 6 | 5* | 6* | 6* | 6* | 2 | 6 | 6 | 7* | 7 | 7 | 7 | 7 |
| CN = 33 | 9+ | 9+ | 8 | 6 | - | - | - | - | 1* | 9+ | 9 | 5 | 2 | - | - | 1 | 2 | 3* | 2* | 1 | 1 | 2 | 6 | 8 |
| SU = 34 | 9 | 9+ | 4 | - | 2* | 1* | - | - | 9 | 9 | 6 | 2 | 3 | 4 | 4 | 5 | 7 | 7 | 6 | 5 | 3 | 4 | 7 | 9 |
| 6W = 35 | 9 | 9 | 9 | 9+ | 9 | - | - | - | 5 | 9+ | 9+ | 9 | 7 | 6 | 5 | 6 | 7 | 7 | 5 | 6* | 6* | 4* | 4 | 7 |
| D2 = 36 | 9+ | 9 | 8 | 3 | - | 2* | 1* | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 1 | - | - | 1* | 5* | 4* | 1* | - | 7 | 9 | 5 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 1 | 4 | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9+ | 8 | 4 | - | - | - | - |
| FR = 39 | - | - | 4* | 4* | 2* | - | - | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | - | - |
| FJL = 40 | - | - | 2* | 1* | - | - | - | - | 3* | - | 5 | 7 | 7 | 8 | 8 | 7 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Mar., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W6 = 03 | - | - | - | - | 3 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 4 | 5 | 5 | 5 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 5 | 4 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 4 | 4 | 4 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 4 | 4 | 4 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 5 | 4 | 4 | 3 | 3 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 3 | 2 | 3 | 3 | 3 | 1 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 9 | 9 | 9 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 |
| CE = 12 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| G = 14 | 5 | 4 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| I = 15 | 4 | 3 | 3 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UA3 = 16 | 5 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 |
| UN = 17 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| HZ = 21 | 4 | 1 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | 3 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 2 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 3 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| FJL = 40 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Mar., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| W6 = 03 | - | - | 1 | 2 | 6 | 3 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 7 | 8 | 8 | 8 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | 1 | 4 | 6 | 8 | 7 | 2 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 7 | 7 | 7 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 8 | 7 | 7 | 6 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| HC = 10 | 6 | 5 | 6 | 6 | 6 | 4 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 |
| CE = 12 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| LU = 13 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| G = 14 | 8 | 7 | 7 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 7 | 8 |
| I = 15 | 7 | 6 | 6 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 |
| UA3 = 16 | 8 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 |
| UN = 17 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 |
| HZ = 21 | 7 | 4 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 6 | 6 |
| VU = 22 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 1 | - |
| VK3 = 30 | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 6 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 |
| FJL = 40 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Mar., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 1 | 1 | 4 | 5 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 |
| W6 = 03 | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| XE1 = 06 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ |
| CE = 12 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 |
| G = 14 | 9 | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 6 | 1 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 6 | 5 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 5 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 3 | - |
| HS = 26 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 5 | 8 | 6 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | 2 | 6 | 6 | 5 | 6 | 1 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 7 | 6 | 5 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 1 | - | - |
| KH6 = 31 | - | - | - | - | 5 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - |
| KH8 = 32 | - | - | - | - | 1 | 4 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 1 | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 1 | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Mar., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 4 | 5 | 7 | 7 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 2 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 1 | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 8 | 9 | 8 | 9 |
| UN = 17 | 9 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 8 | 8 | 9 |
| UA9 = 18 | 8 | 8 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 7 | 8 | 8 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 5 |
| 4X = 20 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 7 | 6 | 6 | 7 |
| JT = 23 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 1 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 7 | 7 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | - | - | - | 2 | 6 | 7 | 8 | 6 | 6 | 5 |
| YB = 28 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 5 | 1 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1* | - | - | 5 | 3 | - |
| KH8 = 32 | - | - | - | - | 5 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 4 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Mar., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 7 | 5 | 2 | - | - | - | - | 1 | 4 | 8 | 7 | 6 | 7 | 7 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | 1* | - | - | 1 | 3 | 6 | 8 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | 1 | 2 | 4 | 5 | 7 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | 4 | 3 | 7 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 8 | 5 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 6 | 2 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | - | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | 1 | - | 1 | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 6 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | 1 | 2 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | 1 | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| UA9 = 18 | 7 | 8 | 9 | 8 | 8 | 5 | 4 | 2 | - | 1* | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA0 = 19 | 8 | 6 | 3 | 4 | 3 | 2 | 3 | 4 | 7 | 4* | 1* | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 3 | - | - | - | - | - | 2 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 9 | 8 | 6 | 4 | 2 | 2 | - | 1* | 1* | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 8 | 6 | 2 | - | - | - | - | 2* | 2* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| JA1 = 25 | 6 | 4 | 1 | 1 | - | 1 | 3* | 5* | 8 | 5* | 2* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 1* | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 4 | 1 | - | - | - | 2* | 4* | 4* | 2* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 4 | - | - | - | - | 1* | 1* | 1* | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 8 | 9 | 8 | 4 | 2 | - | - | - | - | - | 1* | - | - | - | 1 | 2 | 5 | 6 | 6 | 5 | 7 | 5 | 2 | 2 |
| VK3 = 30 | 6 | 3 | 3 | 1 | 1 | 1 | 3 | 5 | 7 | 2 | 1 | - | - | - | - | - | 3 | 4 | 3 | 3 | 6 | 8 | 8 | 8 |
| KH6 = 31 | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | 1 | - | - | - | 1* | 4* | 5* | 5* | 2* | - | - | - |
| KH8 = 32 | - | - | 2 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 3* | 5* | 6* | 6* | 4* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 2 | - | - | - | 1 | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 1 | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9 | 8 | 5 | 3 | 7 | 9+ | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 7 | 8 | 9 | 9 | 6 | 4 | 1 | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| FJL = 40 | 7 | 6 | 4 | 2 | 2 | 6 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Mar., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 8 | 9 | 9 | 9 | 8 | 6 | 3 | 5* | 4* | 2* | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 9 | 9 | 8 | 6 | 5 | 3 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 9 | 8 | 1 | - | 1 | 1 | 1 | 1 | 2* | 9 | 4 | 5 | 6 | 7 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 7 | - | 8 | 6 | 3 | 1 | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 8 | 8 | 9 | 9 | 7 | 3 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 7 | - | 2 | 6 | 3 | 2 | 1 | 2 | 4 | 5 | 6 | 7 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9 | 5 | 5 | 8 | 6 | 4 | 2 | 4 | 3 | 4 | 6 | 7 | 8 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 2 | 9+ | 9+ | 9 | 9 | 7 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 4 | 5 | 9+ | 9 | 9 | 7 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 2 | 9 | 8 | 6 | 5 | 3 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 2 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 5 | 1 | 2 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 8 | 9+ | 9 | 9 | 7 | 4 | 4 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 8 | 9+ | 9+ | 8 | 6 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 8 | 3 | 6 | 9 | 8 | 9 | 8 | 5 | 4 | 4 | 5 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UN = 17 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | 2 | 1 | 1 | 2 | 3 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | - | - | 6 | 9 | 9 | 7 | 7 | 7 | 6 | 7 | 2 | 1 | 1 | 1 | 2 | 5 | 9 | 9 | 8 | 3 | 2 | 2 | 1 | - |
| UA0 = 19 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 7* | 6* | 4* | 1* | - | 1 | 1 | 2 | 3 | 3* | 4* | 4* | 3* | 2* | 4 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9 | 6 | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 4 | 2 | 2 | 5 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9+ |
| JT = 23 | 5 | 8 | 9 | 8 | 8 | 5 | 5 | 6 | 7 | 7 | 2* | 1 | 1 | 1 | 3 | 5 | 8 | 8 | 6 | 5 | 6 | 5 | 1 | - |
| VR2 = 24 | 9 | 9 | 8 | 6 | 2 | 1 | 1 | 4* | 8 | 7 | 4* | 1* | - | - | 1 | 3 | 8 | 9 | 9 | 9 | 9 | 9+ | 8 | 7 |
| JA1 = 25 | 8 | 7 | 6 | 5 | 3 | 5* | 6* | 7* | 8* | 7* | 5* | 2* | - | - | 1 | 3 | 6 | 8 | 8 | 7 | 6 | 8 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 6 | 3 | 2 | 1 | 2* | 9 | 3* | 2* | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 8 | 4 | 1 | 1 | 4* | 5* | 7 | 8 | 5* | 3* | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| YB = 28 | 9 | 9 | 9 | 7 | 3 | - | - | 1 | 3* | 8 | 3* | 2 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 4 | 9 | 8 | 7 | 4 | 1 | 3 | 5 | 8 | 8 | 3* | 2 | 3 | 1 | 3 | - | 1* | 2* | 4* | 3* | 2* | 2* | 1* | 1* |
| VK3 = 30 | 8 | 8 | 6 | 5 | 4 | 3 | 5 | 8 | 6 | 5 | 4 | 2 | 1 | - | - | - | 2* | 4* | 5* | 5* | 4* | 5 | 8 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 6 | 4 | - | - | 1* | 4* | 7 | 7 | 8 | 6* | 3 | 3 | 4 |
| KH8 = 32 | 1 | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | 1 | 1 | 5* | 8* | 8* | 8* | 7* | 6* | 2* | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2 | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 6 | 9 | 9+ | 9 | 9 | 8 | 5 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 3 | 4 | 9 | 9 | 9 | 7 | 5 | 5 | 5 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 7 | 2 | - | - | 3* | 2* | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 8 | 5 | 2 | 5 | 8 | 7 | 9 | 7 | 5 | 3 | 4 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| FJL = 40 | - | 1* | 1* | 2* | 2* | 3* | 4* | 8 | 8 | 8 | 7 | 5 | 3 | 2 | 2 | 5 | 8 | 9 | 9 | 9 | 6 | 1 | - | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Mar., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 6 | 4 | 1 | - | 1* | 6* | 2* | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | - | 8 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 3* | 6 | 5 | - | - | - | 3 | 5 | 4 | 7 | 5 | 6 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 8 | 8 | 6 | 3 | 4 | 2 | - | 1 | 8 | 6 | 5 | 4 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9 | 9 | 9 | 9 | 9 | 3 | 1 | 5 | - | 1 | 9 | 8 | 6 | 5 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3* | 6 | 3* | 1* | - | 7 | 6 | 5 | 4 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 3* | 6 | 2* | 1* | 8 | 8 | 6 | 5 | 4 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | 2* | 1* | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 6 | 2* | 8 | 9 | 8 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 7 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 2* | 9+ | 9 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 6 | 7 | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 8 | 8 | 7 | 2 | - | 1 | 9+ | 9 | 9 | 8 | 7 | 6 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 9 | 3 | 1* | 2* | 9+ | 9+ | 9 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 6 | 1 | 2* | 4* | 5 | 4 | 9 | 9 | 8 | 7 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 |
| UN = 17 | 4 | 3 | 6 | 9 | 9 | 6 | 7 | 6 | 5 | 5 | 7 | 8 | 5 | 5 | 7 | 8 | 9 | 9 | 8 | 6 | 5 | 8 | 7 | 6 |
| UA9 = 18 | - | - | 1* | 8 | 9 | 3 | 3 | 7 | 6 | 5 | 5 | 6 | 4 | 5 | 6 | 7 | 8 | 7 | - | - | - | - | - | - |
| UA0 = 19 | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 7 | 8* | 8* | 5 | 5 | 2 | 1 | 2 | 1* | 3* | 3* | 2* | 2* | 4* | 4* | 2* | 3 |
| 4X = 20 | 9+ | 9+ | 9+ | 4 | 3* | 5 | 7 | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 6 | 9 | 4 | 6 | 9 | 8 | 6 | 5 | 6 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 6 | 1 | 8 | 9 | 9 | 6 | 6 | 5 | 4 | 7 | 7 | 8 | 4 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9 |
| JT = 23 | - | 3 | 9 | 9 | 8 | 3 | 4 | 6 | 6 | 5 | 6 | 6 | 4 | 5 | 5 | 7 | 5 | 2 | 1* | - | - | - | 1* | - |
| VR2 = 24 | 8 | 9 | 8 | 7 | 6 | 2 | 4 | 4 | 5* | 7* | 6* | 5* | 2* | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 3 | 2 |
| JA1 = 25 | 8 | 7 | 7 | 6 | 6 | 5* | 5* | 6* | 8* | 8* | 7* | 5 | 3* | 1 | 3 | 2* | 4* | 4* | 1 | 1* | 2* | 2* | 8 | 9 |
| HS = 26 | 8 | 9 | 9 | 8 | 6 | 1 | 3 | 5 | 7 | 6 | 7 | 4 | 5 | 4 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 |
| DU = 27 | 9 | 8 | 8 | 7 | 5 | 3* | 4* | 5* | 7* | 8* | 7* | 6* | 3* | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 4 | 8 |
| YB = 28 | 9 | 9 | 8 | 6 | 1 | - | 2 | 2 | 5 | 5 | 5 | 5* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 7 |
| VK6 = 29 | 1* | 8 | 6 | 3 | - | 1* | 1 | 6 | 5 | 5 | 4 | 4 | 5 | 3 | - | 1* | 2* | 4* | 4* | 2* | 1* | 2* | 2* | 1* |
| VK3 = 30 | 8 | 7 | 5 | 2 | 2* | 3* | 2 | 8 | 7 | 6 | 5 | 4* | 2* | - | - | 1* | 3* | 5* | 5* | 5* | 5* | 4* | 4 | 7 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | 8 | 9 | 8 | 7 | 2* | 2* | 3* | 5* | 5 | 4 | 7* | 8* | 7* | 6* | 6 | 6 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 6 | 4 | 3 | 5* | 7* | 7* | 8* | 8* | 8* | 6* | 5* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 3* | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 7 | 2* | 4 | 6 | 9+ | 9 | 9 | 8 | 7 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 4* | 5* | 4* | 5 | 9 | 9 | 8 | 8 | 8 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | - | - | - | 5* | 4* | - | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| FR = 39 | 2 | 1 | 1* | 4* | 3 | 2 | 6 | 8 | 7 | 6 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9 | 8 | 5 |
| FJL = 40 | - | 1* | 2* | 2* | 2* | 1* | 2* | 2 | 6 | 8 | 7 | 6 | 5 | 5 | 5 | 7 | 8 | 8 | 8 | 4 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Mar., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1* | 1* | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | 5* | 6* | 6 | 4* | 2* |
| VO2 = 02 | 7 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 5 | 2 | 1 | 1* | 1 | - | - | - | - | - | 3 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 8 | 5 | 4 | 3 | - | - | - | - | - | - | 7 | 8 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 8 | 8 | 8 | 8 | 8 | - | - | 1 | - | - | 8 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 9+ | 9 | 9 | 8 | 1 | 4* | 4* | 1* | - | - | 5 | 8 | 8 | 8 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 7 | - | 4* | 4* | 1* | - | 1 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| P4 = 09 | 9 | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | - | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 4* | 5* | 3* | - | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 4* | 3 | - | 5 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2 | 1* | 1 | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 4 | 3 | 2 | 1 | - | - | - | 3 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 7 | 6 |
| I = 15 | 9+ | 9+ | 9 | 5 | - | - | 1* | 7 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 7 | 6 | 8 | 9+ |
| UA3 = 16 | 2 | 1 | - | - | 3* | 1* | - | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 7 | 7 | 2 | 4 | 2 |
| UN = 17 | 1* | 1* | 2 | 8 | 8 | 2* | 3 | 8 | 6 | 5 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 6 | 2 | - | - | 2 | 2 | 1 |
| UA9 = 18 | 2* | 1* | 2* | 2 | 7 | 1* | 1* | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 6 | - | - | - | - | - | - | 1* |
| UA0 = 19 | 4 | 8 | 9 | 9 | 7 | 1 | 1 | 8 | 7 | 8* | 7 | 6 | 5 | 2 | 2* | 1* | 1* | 1* | - | - | 2* | 5* | 4* | 3* |
| 4X = 20 | 9+ | 9+ | 9 | 1* | 5* | 3* | 2* | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ |
| HZ = 21 | 9 | 9 | 6 | 2* | 7 | 2* | 1 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VU = 22 | 1* | 1* | 2 | 9 | 8 | 1 | 4 | 7 | 5 | 5 | 6 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| JT = 23 | 1* | 1* | 7 | 9 | 7 | 1* | 1 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 6 | 3 | - | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 7 | 8 | 8 | 8 | 5 | 2* | 3* | 6 | 4 | 7* | 7* | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2* | 3* |
| JA1 = 25 | 9 | 8 | 7 | 7 | 5 | 4* | 3* | 6 | 7* | 8* | 8* | 6 | 5 | 3* | 3* | 3* | 4* | 2* | - | - | 1* | 5* | 4* | 9 |
| HS = 26 | 4* | 9 | 9 | 8 | 3 | 2* | 2* | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| DU = 27 | 9 | 9 | 9 | 8 | 3 | 4* | 5* | 6 | 5 | 8* | 8* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 3* | 4* |
| YB = 28 | 6 | 8 | 5 | 3* | 2* | 2* | - | 5 | 4 | 6* | 6* | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 4* | 3* |
| VK6 = 29 | 2* | 2 | 2* | 1* | 2* | 1* | - | 5 | 6 | 7* | 5 | 5 | 4* | 2* | 2* | 2* | 2* | 2* | 1* | - | - | - | 4* | 3* |
| VK3 = 30 | 5 | 5 | 2 | 1* | 2* | 1* | - | 2 | 7* | 5 | 4* | 4* | 3* | 2* | 1* | 2* | 2* | 3* | 2* | 2* | 5* | 6* | 4* | 3 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 7 | 1 | 3* | 5* | 8 | 7 | 5 | 4* | 4* | 4* | 3* | 6 | 6 | 6 | 8* | 8* | 6 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 6* | 6* | 9 | 9 | 8 | 5 | 4* | 4* | 6* | 6* | 5 | 6 | 8* | 8* | 7* | 6 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 4 | - | - | - | 9+ | 9+ | 9 | 9 | 7 | 6 | 6 | 9 | 9 | 9+ | 9+ | 8 | 8 | 8 | 9 | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | - | 6* | 3* | 1* | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 7 | 7 | 8 | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 7 | 5* | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 8 | 5 | 5* | 6* | 4* | 2* | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | 2* | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 2 | 3 | - |
| FR = 39 | - | - | 3* | 5* | 3* | 1* | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 8 | 5 | 1 |
| FJL = 40 | - | - | 1* | 1* | 1* | - | - | - | 5* | 3 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 5 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Mar., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 6* | 4* | 1* | 1* |
| VO2 = 02 | 3 | 1 | - | 1 | 1 | - | - | - | - | - | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| W6 = 03 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 9 |
| W9 = 04 | 9 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 8 | 6 | 4 | 4 | 5 | 5 | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 8 | 9 | 9 | 8 | 6 | 5 | - | 3* | 1* | - | - | - | - | 8 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 7 | 7 |
| TI = 07 | 8 | 9 | 9 | 9 | 7 | 2 | - | 4* | 2* | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| VP2 = 08 | 5 | 8 | 9 | 9 | 5 | - | - | - | - | - | 6 | 9+ | 9 | 5 | 4 | 5 | 5 | 7 | 8 | 8 | 7 | 6 | 5 | 4 |
| P4 = 09 | 4 | 7 | 9 | 9 | 6 | - | - | - | - | - | - | 9 | 9 | 6 | 5 | 5 | 5 | 7 | 9 | 8 | 7 | 6 | 4 | 5* |
| HC = 10 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 1 | 4* | 5* | 2* | - | 9 | 8 | 9 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 7 | 1* | 9+ | - | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | 1* | - | - | - | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 5 | 1 | - | - | - | - | 1 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 4 | 1 | 1 |
| I = 15 | 8 | 9 | 6 | 1 | - | - | - | - | 9+ | 9+ | 9 | 5 | 3 | 3 | 3 | 3 | 6 | 6 | 4 | 3 | 1 | 1 | 2 | 6 |
| UA3 = 16 | - | - | - | - | 1* | - | - | - | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | - | - | - | - | - |
| UN = 17 | - | 4* | 3* | 5 | 6 | 1* | 1 | 7 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 5 | 1 | - | - | - | - | - | - |
| UA9 = 18 | 2* | 4* | 2* | 2* | 3 | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 6 | 8 | 8 | 5 | - | - | 4 | 9 | 8 | 7 | 6 | 4 | 1* | - | - | - | - | - | - | 5* | 5* | 4* |
| 4X = 20 | 9 | 9+ | 4 | - | 5* | 2* | - | 8 | 9 | 9 | 9 | 6 | 5 | 6 | 7 | 9 | 9 | 8 | 6 | 5 | 2 | 2 | 5 | 8 |
| HZ = 21 | 9 | 9 | 1 | 4* | 4* | 3* | 1* | 2 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 |
| VU = 22 | - | 3* | 3* | 8 | 6 | 1* | 1* | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 1 |
| JT = 23 | 3* | 3* | 3* | 8 | 4 | - | - | 5 | 8 | 8 | 7 | 7 | 7 | 7 | 4 | - | - | - | - | - | - | - | 1* | 3* |
| VR2 = 24 | 5* | 9 | 8 | 8 | 4* | 3* | 3* | 5 | 6 | 6 | 7* | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 2* | 5* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 2 | 1* | 1* | 3 | 8 | 8* | 8* | 7* | 5* | 4* | 4* | 4* | 4* | 1* | - | - | - | 5* | 5* | 6 |
| HS = 26 | 5* | 7 | 9 | 7 | 3* | 2* | 2* | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4* |
| DU = 27 | 8 | 9 | 8 | 7 | 5* | 5* | 4* | 6 | 7 | 7 | 8* | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 1 | 5* | 5* |
| YB = 28 | 4* | 5 | 5* | 3* | 2* | 1* | - | 2 | 5 | 5 | 7* | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | 2* | 3* |
| VK6 = 29 | 4* | 3* | 2* | 2* | 2* | - | - | - | 7 | 7* | 6* | 5* | 3* | 1* | 1* | 1* | - | - | - | - | - | - | 3* | 5* |
| VK3 = 30 | 2* | 2 | 2* | 3* | 3* | - | - | - | 5 | 5* | 5* | 3* | 2* | 1* | 1* | 1* | 1* | 1* | - | - | 3* | 6* | 5* | 4* |
| KH6 = 31 | 6 | 8 | 9 | 9 | 8 | 2 | - | 2* | 6* | 8 | 6* | 5* | 4* | 4* | 4* | 1* | 3 | 8 | 8 | 7* | 8* | 6 | 5 | 5 |
| KH8 = 32 | 7 | 8 | 8 | 9 | 8 | 7 | 4 | 5* | 7* | 8 | 8 | 6* | 5* | 5* | 6* | 6* | 2* | 6 | 7 | 8* | 7 | 7 | 7 | 7 |
| CN = 33 | 8 | 9+ | 9 | 7 | - | - | - | - | 4 | 9+ | 9 | 5 | 2 | 1 | 2 | 1 | 3 | 4 | 3* | 4 | 2 | 2 | 5 | 7 |
| SU = 34 | 9 | 9 | 7 | - | 5* | 2* | - | 6 | 9 | 9 | 9 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 4 | 3 | 1 | 1 | 4 | 7 |
| 6W = 35 | 8 | 9 | 9+ | 9+ | 9 | - | - | - | 6 | 9+ | 9+ | 9 | 9 | 8 | 8 | 6 | 8 | 8 | 6 | 8 | 6* | 6* | 4 | 5 |
| D2 = 36 | 9+ | 9+ | 9 | 8 | 1 | 5* | - | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 2 | - | 5* | 5* | 4* | 1* | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | - | 1* | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | - | - | - | - |
| FR = 39 | - | - | 1* | 5* | 3* | - | - | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 4 | 4 | 1 | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1* | - | 2 | 4 | 5 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Apr., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W6 = 03 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 4 | 5 | 5 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 4 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 3 | 4 | 4 | 4 | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 5 | 5 | 4 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| HC = 10 | 3 | 4 | 4 | 4 | 4 | - | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 6 | 9 | 9 | 9 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| CE = 12 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| G = 14 | 4 | 4 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 |
| I = 15 | 5 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| UA3 = 16 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 4 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| HZ = 21 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 4 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 4 | 2 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 4 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Apr., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 9 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| W6 = 03 | - | - | 1 | 2 | 5 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 6 | 7 | 8 | 8 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | 1 | 4 | 6 | 7 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 6 | 7 | 7 | 7 | 3 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 8 | 8 | 7 | 7 | 7 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| HC = 10 | 6 | 7 | 7 | 7 | 7 | 3 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 |
| CE = 12 | 6 | 5 | 6 | 6 | 6 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| LU = 13 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| G = 14 | 7 | 7 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 |
| I = 15 | 8 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| UA3 = 16 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 7 |
| UN = 17 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 |
| HZ = 21 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 7 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 2 | 7 | 5 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 4 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 1 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 |
| SU = 34 | 7 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | - | - | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 7 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 |
| FJL = 40 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Apr., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 1 | 4 | 5 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 |
| W6 = 03 | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 |
| XE1 = 06 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 |
| HC = 10 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 8 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 5 | 6 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 2 | 5 | 6 | 5 | 3 | 1 |
| 4X = 20 | 9 | 8 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 |
| VU = 22 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 |
| JT = 23 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 5 | 5 | 4 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | - | - | 2 | 6 | 6 | 7 | 6 | 3 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 5 | 1 | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 8 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | - | - | - | 2 | 5 | 6 | 5 | 4 | 1 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 8 | 7 | 6 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 1 | - |
| KH6 = 31 | - | - | - | - | 5 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 |
| KH8 = 32 | - | - | - | - | 1 | 5 | 5 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 7 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 7 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Apr., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 2 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 |
| W6 = 03 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 9 | 8 | 9 |
| UN = 17 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 8 | 8 | 9 |
| UA9 = 18 | 7 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 | 6 | 3 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 6 | 7 |
| JT = 23 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 6 |
| VR2 = 24 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | - | 3 | 6 | 7 | 7 | 7 | 5 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 | 5 | 2 |
| HS = 26 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 7 | 7 |
| DU = 27 | 2 | 1 | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 6 | - | - | 2 | 6 | 7 | 6 | 6 | 6 | 5 |
| YB = 28 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 6 | 1 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1* | - | 6 | 5 | 4 | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5 | 4 | 2 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | 1 | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 7 | 3 | 7 | 9 | 6 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 7 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Apr., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | 1 | 4 | 5 | 6 | 5 | 6 | 7 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 2 | - | - | 1 | 1 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 1 | - | - | - | 2 | 1 | 4 | 5 | 7 | 8 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 4 | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | 1 | 3 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 7 | 5 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 7 | 5 | 2 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 5 | 3 | - | - | - | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | 1 | - | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 4 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 2 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | 1 | 1 | - | - | 1 | 2 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 3 | 1 | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9 | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9+ |
| UA9 = 18 | 9 | 9 | 8 | 8 | 6 | 5 | 3 | 1 | 1 | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 |
| UA0 = 19 | 8 | 4 | 2 | 2 | 2 | 2 | 1 | 3* | 9 | 3* | 1* | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 7 | 3 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 5 | 3 | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 8 | 8 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 8 | 5 | 1 | - | - | - | 1* | 2* | 2* | 1* | - | - | - | 4 | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| JA1 = 25 | 5 | 3 | 1 | 1 | - | - | 3* | 5* | 9 | 5* | 2* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| HS = 26 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1* | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 2 | 1 | - | - | - | 2* | 3* | 4* | 2* | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 9 | 8 | 4 | - | - | - | - | 1* | 1* | 1* | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 9 | 9 | 8 | 5 | - | - | 1 | 1 | 1* | - | 1* | - | - | - | 1 | 4 | 3 | 2 | 5 | 7 | 6 | 1 | 1* | 1* |
| VK3 = 30 | 8 | 6 | 5 | 2 | 3 | 2 | 5 | 6 | 5 | 3 | 2 | - | - | - | - | - | 4 | 6 | 7 | 4 | 3 | 6 | 8 | 8 |
| KH6 = 31 | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | 2* | 4* | 5* | 4* | 2* | - | - | - |
| KH8 = 32 | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | 3* | 5* | 7 | 6* | 5* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 4 | 2 | 1 | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 1 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9 | 8 | 6 | 1 | 1 | - | - | 1 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9 | 8 | 6 | - | - | - | 9+ | 9+ | 9 | 6 | 4 | 3 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 5 | 7 | 7 | 4 | 6 | 5 | 1 | - | 1 | - | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| FJL = 40 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | 1 | 3 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Apr., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 4* | 2* | 1 | - | - | 1 | 2 | 5 | 7 | 7 | 7 | 8 | 8 | 9 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 8 | 6 | 6 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 5 | 3 | 1 | 1 | 3 | 2* | 2 | 3 | 6 | 7 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 3 | 2 | 2 | 5 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | 2 | 2 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | 4 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 9 | 9 | 9 | 9 | 7 | 3 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9 | 9 | 8 | 7 | 5 | 3 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 1* | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 1 | 9+ | 9 | 7 | 5 | 3 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 5 | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 4 | 2 | 3 | 4 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 9 | 9+ | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 6 | 5 | 3 | 2 | 4 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 2 | 1 | 3 | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UA9 = 18 | 8 | 9 | 9 | 9 | 8 | 5 | 7 | 5 | 4 | 9 | 5 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9 | 9 | 8 | 7 | 7 |
| UA0 = 19 | 9 | 8 | 8 | 7 | 7 | 6 | 7 | 6 | 7* | 6* | 5* | 2* | 1* | - | 1 | 6 | 7 | 8 | 8 | 7 | 7 | 8 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 8 | 9 | 7 | 5 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 6 | 9 | 8 | 5 | 3 | 4 | 2 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9+ | 9 | 9 | 9 | 9 | 7 | 5 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 4 | 8 | 8 | 9 | 9+ | 9 | 9+ | 9 | 9+ | 9+ |
| JT = 23 | 9 | 9 | 9 | 8 | 7 | 4 | 5 | 3 | 4 | 8 | 2 | 1 | 1 | 2 | 2 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 9 | 8 | 7 | 5 | 2 | 1 | - | 3* | 5* | 7 | 5* | 2* | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| JA1 = 25 | 8 | 6 | 5 | 4 | 3 | 4* | 5 | 5* | 8* | 8* | 6* | 3* | 1* | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 5 | - | 1 | 1 | 2* | 9 | 3* | 1 | 2 | 3 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 7 | 2 | 1 | - | 4* | 4* | 8 | 8 | 5* | 3* | 1 | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 5 | - | - | 1 | 1 | 4* | 8 | 3* | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| VK6 = 29 | 2 | 8 | 5 | 1 | - | - | 2 | 6 | 6 | 7 | 3 | 2 | 3 | 3 | 5 | - | 1* | 2* | 3* | 2* | 1* | 2* | 1* | 1* |
| VK3 = 30 | 8 | 6 | 5 | 4 | 1 | 3* | 3* | 8 | 8 | 6 | 6 | 4 | 1 | 1 | - | - | 2* | 3* | 4* | 4* | 4* | 2* | 6 | 8 |
| KH6 = 31 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 | 9 | 9 | 8 | 8 | 4 | 1 | 1 | 4* | 5* | 7 | 8* | 8 | 5* | 2 | 3 | 3 |
| KH8 = 32 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | 4* | 6* | 8* | 8* | 8* | 7* | 6* | 2 | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9+ | 9 | 8 | 6 | 5 | 5 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 4 | 2* | 1* | 9+ | 9 | 9 | 7 | 6 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 2 | - | - | 1* | 3* | 2* | 2 | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 |
| FR = 39 | 7 | 2 | 1* | 2 | 1* | - | 8 | 8 | 6 | 5 | 4 | 4 | 6 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| FJL = 40 | 1 | 2* | 2* | 2* | 2* | 2 | 7 | 8 | 8 | 7 | 8 | 4 | 3 | 2 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 7 | 4 | |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Apr., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 9 | 8 | 7 | 5 | 5 | 2 | 6* | 5* | 2* | - | - | - | - | - | 1 | 2 | 2 | 5 | 6 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 7 | 5 | 2* | 1* | - | 5 | 5 | 5 | 7 | 6 | 7 | 7 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 6 | 8 | 7 | - | 7 | 8 | 6 | 5 | 6 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 5 | 9 | 8 | 8 | 9 | 8 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 3* | 9 | 8 | 2* | 3 | 7 | 5 | 4 | 5 | 8 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 3 | 4* | 3* | 8 | 8 | 9 | 8 | 6 | 5 | 5 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1* | 4* | 5 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 3* | 5 | 7 | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 3 | 8 | 4 | 9 | 9 | 8 | 7 | 5 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4* | 4* | 1* | 9 | 9 | 8 | 7 | 5 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | 1* | - | 1 | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 6 | 9+ | 9 | 9 | 9 | 7 | 5 | 5 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 6 | 2* | 5 | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 8 | 7 | 3* | 2 | 6 | 9 | 8 | 8 | 6 | 8 | 6 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| UN = 17 | 8 | 8 | 9 | 9 | 8 | 3 | 8 | 6 | 5 | 5 | 7 | 8 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA9 = 18 | - | 2 | 8 | 9 | 7 | 1 | 5 | 7 | 6 | 5 | 4 | 6 | 4 | 4 | 5 | 7 | 9 | 9 | 9 | 8 | 3 | 2* | 1* | - |
| UA0 = 19 | 9 | 9 | 9 | 8 | 7 | 2 | 6 | 7 | 7* | 8* | 6* | 5 | 4 | 4 | 5 | 6 | 6 | 5 | 6* | 6* | 5* | 4* | 7 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 8 | 8 | 2* | 9 | 9 | 9 | 7 | 7 | 7 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 7 | 1 | 7 | 9 | 8 | 6 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 4 | 7 | 5 | 3 | 8 | 8 | 8 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 | 9 |
| JT = 23 | 9 | 9 | 9 | 8 | 6 | 2* | 5 | 6 | 6 | 5 | 4 | 6 | 4 | 4 | 5 | 8 | 9 | 9 | 9 | 7 | 5 | 4 | 4 | 7 |
| VR2 = 24 | 9 | 9 | 8 | 7 | 5 | 2* | 3 | 3 | 5* | 7* | 6* | 4* | 3 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 8 |
| JA1 = 25 | 8 | 8 | 8 | 7 | 5 | 4* | 4 | 5 | 8* | 8* | 7* | 5 | 4 | 4 | 5 | 6 | 8 | 8 | 6 | 5* | 6 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 1 | - | 4 | 4 | 7 | 6 | 6 | 4 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| DU = 27 | 9 | 8 | 8 | 7 | 2 | 3* | 4* | 4 | 6* | 8* | 7* | 5 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| YB = 28 | 8 | 9 | 8 | 1 | - | - | 1 | 2 | 5 | 5* | 5* | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 2* |
| VK6 = 29 | 1* | 4 | 1* | - | 1* | 1* | 1* | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 3 | 1* | 2* | 3* | 4* | 1* | - | 1* | 1* | 1* |
| VK3 = 30 | 6 | 4 | 2 | 1 | 1* | 2* | 3* | 7 | 8 | 7 | 6 | 3 | 2* | 1* | 1* | 1* | 2* | 2* | 1* | 2* | 5* | 4* | 3* | 8 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2* | 9 | 9 | 9 | 8 | 7 | 2* | 4* | 5 | 5* | 5 | 8* | 8* | 7* | 6 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 4* | 8 | 9 | 9 | 8 | 5 | 3 | 3* | 5* | 7* | 8* | 8* | 8* | 8* | 7* | 5 | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 7 | 2* | 9 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 5 | 3* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 4* | 5* | 3* | 7 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 5* | 3* | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 |
| FR = 39 | 1 | - | 2* | 4* | 2* | 1* | 7 | 8 | 8 | 7 | 7 | 8 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 |
| FJL = 40 | 1* | 1* | 1* | 2* | 1* | - | - | 5 | 7 | 8 | 8 | 5 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 6 | 1 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Apr., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | 5 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | 1* | 5* | 5* | 6* | 2 | 3 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 5 | - | 4 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9+ | 9 | 9 | 8 | 6 | - | 4* | 2 | 1 | 1* | - | - | - | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 8 | 8 | 7 | 1 | - | 3 | 2 | - | - | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 7 | - | - | 6 | - | - | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9+ | 9+ | 9 | 8 | - | 5* | 5* | 4 | 2* | - | 8 | 7 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 8 | 6 | - | 5* | 5* | 4* | 1* | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 9+ | 9+ | 9+ | 9 | 3 | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| P4 = 09 | 9 | 9+ | 9+ | 9+ | 9 | 4 | - | 2* | 2* | 1* | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 9 | 3 | 4* | 5* | 4* | 5 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 6 | 6 | 1 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2* | 1* | - | - | - | 9+ | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 8 | 8 | 6 | 2 | - | - | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 7 | 1 | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 |
| UA3 = 16 | 6 | 5 | 1 | 2* | 1* | - | 1 | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 9 | 8 | 8 | 8 |
| UN = 17 | 4 | 5 | 8 | 9 | 5 | 1* | 5 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 7 | 6 | 5 |
| UA9 = 18 | 1* | 2* | 3* | 8 | 2 | - | 1 | 8 | 7 | 7 | 7 | 7 | 6 | 6 | 8 | 8 | 9 | 9 | 5 | - | - | - | 2* | 1* |
| UA0 = 19 | 8 | 8 | 8 | 8 | 5 | - | 2 | 8 | 7 | 8* | 7 | 6 | 6 | 5 | 3 | 3* | 4* | 5* | 4* | 4* | 5* | 5* | 5* | 5 |
| 4X = 20 | 9+ | 9+ | 9 | 5* | 4* | 2* | 2 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 8 | 6 | 3* | 2* | 4 | 9 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 5 | 4 | 8 | 9 | 6 | 2* | 6 | 7 | 6 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| JT = 23 | 5 | 6 | 9 | 8 | 2 | 1* | 1 | 7 | 7 | 6 | 5 | 5 | 6 | 6 | 7 | 8 | 7 | 7 | 2 | - | - | 2* | 2* | 1* |
| VR2 = 24 | 8 | 8 | 8 | 8 | 3* | 2* | 4 | 5 | 3 | 7* | 7* | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 4 | 5 |
| JA1 = 25 | 8 | 8 | 8 | 7 | 3* | 2* | 1 | 8 | 5 | 8* | 8* | 6 | 5 | 5 | 4 | 4 | 5 | 6* | 3* | 2* | 5* | 6 | 9 | 9 |
| HS = 26 | 7 | 9 | 9 | 7 | 2* | 2* | 3 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| DU = 27 | 9 | 8 | 8 | 7 | 4* | 4* | 4* | 5 | 5 | 8* | 8* | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 |
| YB = 28 | 4 | 8 | 4 | 2* | 2* | 1* | - | 5 | 5 | 7* | 6* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 3 | 4* | 3* |
| VK6 = 29 | 3* | 3* | 2* | 1* | 1* | 1* | - | 7 | 8 | 7 | 6 | 7 | 6 | 5 | 1* | 1* | 1* | 1* | 1* | - | - | - | 4* | 3* |
| VK3 = 30 | 2 | 1* | 1* | 2* | 2* | 2* | - | - | 8 | 7 | 4 | 4* | 2* | 1* | 1* | 1* | 1* | 1* | - | - | 5* | 5* | 4* | 5 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 8 | 1 | 4* | 5* | 9 | 9 | 7 | 3* | 3* | 4* | 5* | 6 | 6 | 7* | 8* | 7 | 7 | 7 | 6 |
| KH8 = 32 | 7 | 8 | 9 | 9 | 9 | 8 | 2 | 5* | 5* | 9 | 8 | 7 | 5* | 3* | 4* | 6* | 7* | 6 | 8* | 9* | 8* | 7* | 6 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 2 | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 |
| SU = 34 | 9+ | 9+ | 9+ | 4* | 5* | 2* | 1 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | - | 5* | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 3 | 5* | 6* | 4* | 1* | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 5* | 2* | - | 5 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - |
| FR = 39 | - | - | 4* | 4* | 3* | 1* | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 5* | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 5 | 5 | 3 | 1 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Apr., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 5* | 1* | 1* |
| VO2 = 02 | 6 | 5 | 5 | 5 | 5 | 4 | - | 1 | - | - | 7 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 7 | 7 | 5 | 5 | 4 | - | - | - | - | - | - | 4 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 2 | - | - | 2 | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 9 | 8 | 3 | - | 5* | 4* | 1* | 1* | - | 2 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |
| TI = 07 | 9 | 9 | 9 | 9 | 6 | 1 | - | 5* | 5* | 1* | - | 6 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 5 | 8 | 8 | 8 | 5 | - | - | - | - | - | 9 | 9 | 9 | 6 | 5 | 5 | 7 | 9 | 9+ | 9+ | 8 | 8 | 5 | 4 |
| P4 = 09 | 4 | 7 | 8 | 7 | 5 | - | - | - | - | - | 4 | 9 | 9 | 9 | 6 | 5 | 7 | 9 | 9 | 9+ | 9 | 8 | 5 | 5* |
| HC = 10 | 9 | 9+ | 9+ | 9+ | 9 | 6 | - | 5* | 5* | 4* | 1* | 9 | 8 | 9 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 6 | 1 | - | 9+ | 8 | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1* | - | - | - | - | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - | - | 2 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 5 | 4 | 1 | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 5 | 6 |
| I = 15 | 6 | 8 | 8 | 2 | - | - | - | 3 | 9+ | 9 | 9 | 9 | 6 | 8 | 8 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 4 |
| UA3 = 16 | 1 | 1 | - | 1* | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 3 | 5 | 1 | 5 | 3 |
| UN = 17 | 2* | 2* | 5 | 8 | 2* | - | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 4 | 2 | 1 | 3 | 2 | 1 |
| UA9 = 18 | 4* | 4* | 3* | 3 | 1* | - | - | 6 | 8 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | 1* | 4* |
| UA0 = 19 | 4* | 7 | 8 | 8 | 1 | - | - | 8 | 8 | 8 | 7 | 7 | 5 | 2* | 2* | 2* | 2* | 2* | 1* | 1* | 4* | 5* | 6* | 5* |
| 4X = 20 | 9 | 9+ | 5 | 3* | 3* | 1* | - | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 8 | 7 | 5 | 6 | 8 | 9 |
| HZ = 21 | 9 | 9 | 5 | 4* | 4* | 2* | - | 9 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 2* | 3* | 5 | 9 | 2* | 2* | 4 | 8 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 5 |
| JT = 23 | 4* | 4* | 6 | 7 | 1* | - | - | 8 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 1 | 1 | - | - | - | 1* | 3* | 3* |
| VR2 = 24 | 8 | 9 | 8 | 7 | 3* | 3* | 1 | 7 | 5 | 7* | 7* | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4* | 5* |
| JA1 = 25 | 8 | 8 | 8 | 6 | 1* | - | - | 7 | 7 | 8* | 8* | 7* | 5* | 4* | 4* | 5* | 6* | 4* | - | - | 3* | 5* | 8 | 9 |
| HS = 26 | 5* | 8 | 9 | 5 | 3* | 2* | 1 | 7 | 4 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5* |
| DU = 27 | 9 | 9 | 8 | 5 | 4* | 4* | 2* | 7 | 6 | 8* | 8* | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 5* | 5 |
| YB = 28 | 4* | 5 | 4* | 3* | 1* | - | - | 5 | 6 | 7* | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 3 | - | 2* | 4* |
| VK6 = 29 | 4* | 3* | 3* | 2* | 2* | - | - | - | 7 | 8 | 7 | 6 | 5 | 1* | - | - | - | - | - | - | - | - | 5* | 4* |
| VK3 = 30 | 3* | 2* | 2* | 2* | 3* | 1* | - | - | 7 | 5 | 5* | 4* | 2* | 1* | - | - | - | - | - | - | 2* | 6* | 5* | 4* |
| KH6 = 31 | 6 | 8 | 8 | 9 | 8 | 4 | - | 5* | 6* | 9 | 8 | 6 | 5* | 5* | 5* | 2* | 7 | 8 | 8 | 8 | 8* | 7* | 6 | 5 |
| KH8 = 32 | 8 | 8 | 8 | 9 | 8 | 5 | - | 6* | 7* | 8 | 7* | 6* | 6* | 5* | 6* | 6* | 3* | 5 | 8 | 8 | 8 | 8 | 7 | 7 |
| CN = 33 | 6 | 8 | 8 | 5 | - | - | - | - | 9 | 9+ | 9 | 5 | 4 | 4 | 5 | 4 | 6 | 7 | 5 | 5 | 3 | 2 | 1 | 3 |
| SU = 34 | 9 | 9 | 7 | 1* | 4* | 1* | - | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 9 | 9 | 9 | 9 | 7 | 6 | 4 | 5 | 7 | 9 |
| 6W = 35 | 7 | 9 | 9 | 9 | 6 | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 7 | 8 | 7 | 5 | 4 | 3 |
| D2 = 36 | 9+ | 9+ | 9 | 5 | - | 4* | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 5 | - | 5* | 5* | 4* | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 3* | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | 1 | - | - | - |
| FR = 39 | - | - | 1* | 5* | 2* | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | 1 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: May, Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 3 | 5 | 5 | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 5 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 2 | 4 | 4 | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 4 | 5 | 5 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 5 | 4 | 3 | 3 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 3 | 4 | 4 | 4 | 3 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 6 | 9 | 9 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 3 | 3 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| LU = 13 | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 |
| G = 14 | 3 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| I = 15 | 5 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 |
| UA3 = 16 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 3 |
| HZ = 21 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| SU = 34 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 4 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: May, Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 9 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W6 = 03 | - | - | - | 1 | 3 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 5 | 6 | 8 | 8 | 4 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 8 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 4 | 5 | 7 | 7 | 2 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 7 | 8 | 8 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 |
| P4 = 09 | 8 | 7 | 6 | 6 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| HC = 10 | 6 | 7 | 7 | 7 | 6 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 6 | 6 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| LU = 13 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 |
| G = 14 | 6 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| I = 15 | 8 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 |
| UA3 = 16 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 5 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 6 |
| HZ = 21 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| SU = 34 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 7 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 |
| FJL = 40 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: May, Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | 3 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| W6 = 03 | - | 1 | 5 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W3 = 05 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| XE1 = 06 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 |
| HC = 10 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 7 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 7 | 7 |
| UN = 17 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 7 | 8 | 8 |
| UA9 = 18 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 2 | 1 | - |
| 4X = 20 | 9 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 4 | 3 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 5 | 7 | 8 | 3 | 6 | 6 | 5 | 5 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 2 | - | - |
| HS = 26 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 6 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | - | - | 1 | 3 | 6 | 5 | 5 | 4 | 1 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 7 |
| VK6 = 29 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 2 | 1 |
| KH6 = 31 | - | - | - | - | 2 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 1 | - | - | - | - | - | 2 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 7 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 8 | 8 |
| FJL = 40 | 6 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: May, Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | 2 | 4 | 6 | 6 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 |
| W6 = 03 | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | 1 | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 5 | 1 | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 9 |
| LU = 13 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 7 | 7 | 8 | 8 |
| UA9 = 18 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 5 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 5 | 2 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 7 | 8 |
| JT = 23 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 5 | 5 | 7 |
| VR2 = 24 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 6 | 2 | 1 |
| HS = 26 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 7 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 5 | - | - | 3 | 6 | 7 | 6 | 6 | 6 | 4 |
| YB = 28 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 8 | 8 | 3 | 5 |
| VK3 = 30 | 1 | 1 | 1 | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 6 | 6 |
| KH6 = 31 | - | - | - | 4 | 6 | 7 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 2 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 4 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | 1 | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 5 | - | 1 | 9 | 7 | 3 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| FR = 39 | 6 | 5 | 1 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 8 | 8 | 6 | 6 |
| FJL = 40 | 8 | 8 | 8 | 8 | 5 | 4 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: May, Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 2 | - | - | - | - | 1 | 4 | 4 | 2 | 3 | 4 | 4 | 7 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| W9 = 04 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | 1 | 2 | 3 | 5 | 7 | 8 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | 1 | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 1 | - | 1 | 2 | 6 | 8 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 5 | 2 | 1 | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 7 | 4 | 2 | 1 | 1 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 7 | 4 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 8 | 5 | 3 | - | - | - | 1 | 1 | 4 | 7 | 8 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 7 | 9+ | 9+ | 9 | 8 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 7 | 5 | 9 | 7 | 4 | 1 | - | - | 2 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | 1 | 6 | 9+ | 9 | 8 | 5 | 1 | 1 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | 2 | 1 | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 1 | - | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9+ | 9 | 9 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 9 | 6 | 6 | 5 | 3 | 2 | 1 | 1 | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 9 | 9 | 9 |
| UA0 = 19 | 6 | 2 | 1 | 1 | 1 | - | 1 | 1* | 3* | 3* | 1* | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 1 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 5 | 3 | 3 | 1 | - | - | - | 1* | - | - | - | - | - | 1 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 6 | 4 | 1 | - | - | - | - | 2* | 2* | 1* | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 8 | 8 | 9 | 8 |
| JA1 = 25 | 2 | 1 | 1 | 1 | - | - | 1* | 2* | 5* | 5* | 2* | 1* | - | - | - | - | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| HS = 26 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 1* | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 5 | 2 | - | - | - | - | 1* | 4* | 4* | 2* | 1* | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 9 | 7 | 3 | - | - | - | - | 1* | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 6 | 1 |
| VK6 = 29 | 8 | 7 | 7 | 3 | - | - | 2 | 2 | 1 | 2* | 1 | - | - | 1 | 1 | - | - | - | 3* | 5 | 6 | 1* | 1* | 1* |
| VK3 = 30 | 4 | 4 | 4 | 4 | 1 | - | 1 | 7 | 6 | 5 | 3 | 1 | - | - | - | 1 | 5 | 6 | 7 | 4 | 2* | 1 | 7 | 7 |
| KH6 = 31 | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | 2* | 5* | 5* | 3* | 1* | - | - | - |
| KH8 = 32 | - | 1 | 6 | 8 | 9 | 9 | 7 | 6 | 9 | 8 | 7 | 4 | - | - | - | - | 3* | 5* | 6 | 7 | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 3 | 5 | 7 | 9 | 8 | 6 | 1 | 1 | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 2 | 3 | 2 | - | - | 1* | 8 | 9+ | 9 | 6 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 |
| FR = 39 | 1 | - | - | 1 | 1 | 1 | 7 | 5 | 1 | - | 1 | 1 | 1 | 2 | 3 | 7 | 9 | 9 | 9 | 9 | 7 | 5 | - | - |
| FJL = 40 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: May, Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 8 | 6* | 5* | 3* | 1 | 2 | 1 | 2 | 3 | 5 | 7 | 6 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 2* | 1 | 5 | 4 | 3 | 2 | 5 | 4 | 4 | 4 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 7 | 5 | 4 | 4 | 4 | 6 | 5 | 7 | 8 | 8 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 5 | 5 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9 | 8 | 8 | 5 | 2 | 2 | 2 | 4 | 4 | 3 | 5 | 7 | 8 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2* | 9 | 9 | 9 | 9 | 6 | 4 | 3 | 4 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 4 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 1 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 3 | 9 | 9 | 9 | 8 | 6 | 4 | 4 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | - | 9 | 9 | 8 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | - | 3 | 9+ | 9 | 9 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 9 | 9+ | 9 | 8 | 6 | 5 | 4 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 8 | 7 | 5 | 6 | 4 | 3 | 3 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 4 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9+ |
| UA9 = 18 | 9 | 9 | 9 | 9 | 8 | 6 | 6 | 5 | 2 | 2 | 5 | 3 | 1 | 1 | 1 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| UA0 = 19 | 8 | 8 | 7 | 6 | 7 | 6 | 6 | 5 | 6* | 6* | 5* | 2* | 1* | - | 1 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 3 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9+ | 9+ | 9 | 9 | 8 | 7 | 4 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 4 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| JT = 23 | 9 | 9 | 9 | 7 | 6 | 5 | 4 | 2 | 4* | 8 | 4 | 1 | 1 | 2 | 2 | 6 | 7 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 8 | 7 | 4 | 1 | 1 | - | - | 3* | 8 | 5* | 2* | 1* | 1 | 2 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| JA1 = 25 | 8 | 6 | 3 | 2 | 2 | 2 | 4 | 6 | 7* | 7* | 6* | 4* | 1* | 1* | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 2 | 1 | 2 | 2 | 2 | 9 | 3* | 2* | 2 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| DU = 27 | 9 | 8 | 6 | 3 | - | - | 2* | - | 8 | 7 | 6* | 4* | 2* | 1 | 2 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 7 | 9 | 7 | - | - | - | 1 | 1 | 3* | 7 | 2* | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1* | 1* |
| VK6 = 29 | 1 | 1 | 1 | - | - | - | 1* | 7 | 5 | 6 | 4 | 4 | 4 | 4 | - | - | 1* | 1* | 1* | - | - | 1* | 1* | 1* |
| VK3 = 30 | - | - | 1 | 1 | 1* | 2* | 3* | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | 1 | 1 | 1 | - | 3* | 2* | 1 | 2 |
| KH6 = 31 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | 1 | 2* | 4* | 6* | 7 | 7 | 7* | 5* | 2* | 1 | 2 |
| KH8 = 32 | 5 | 5 | 8 | 9 | 9 | 7 | 3* | 3* | 9 | 8 | 4 | 1 | 1 | - | - | 4* | 6* | 7* | 8* | 8* | 7* | 6* | 3 | 4 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 6 | 9+ | 9+ | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 8 | 6 | 4 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 5 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 2* | 2* | 2* | 9+ | 9 | 9 | 7 | 6 | 5 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 2* | 1* | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - |
| FR = 39 | - | - | 1* | 2* | 1* | - | 8 | 8 | 5 | 4 | 5 | 5 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 4 | - | - | - | - |
| FJL = 40 | 6 | 3 | 2 | 3 | 5 | 7 | 9 | 9 | 8 | 7 | 7 | 6 | 4 | 2 | 3 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: May, Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 7 | 8 | 5 | 5 | 5 | 7 | 1 | 6* | 5* | 3* | 1* | - | - | - | 1 | 1 | 1 | 4* | 5* | 5* | 3 | 3 | 6 |
| VO2 = 02 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9+ | 9+ | 9 | 9 | 9 | 5 | 5* | 6 | 5* | 2* | 1* | - | 2 | 5 | 5 | 4 | 5 | 8 | 7 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 5 | 6 | 6 | - | 4 | 7 | 4 | 4 | 7 | 9 | 8 | 8 | 9 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 4 | 9 | 9 | 6 | 8 | 6 | 7 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 4 | 4* | 7 | 9 | 5 | 6 | 6 | 7 | 5 | 6 | 9 | 6 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 1* | 4* | 8 | 9 | 9 | 8 | 8 | 6 | 7 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | 4* | 6 | 9+ | 9+ | 9 | 9 | 7 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1* | 3* | 3* | 8 | 9 | 9 | 9 | 8 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 9 | 9 | 9 | 2 | 4* | 4* | 2* | 7 | 9 | 8 | 7 | 6 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 6 | 9+ | 9+ | 4 | 1 | 8 | 7 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 3 | - | - | - | - | - | 9+ | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 5 | - | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 9 | 5 | 5 | 9+ | 9 | 9 | 8 | 8 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 7 | 1 | 5 | 9+ | 9 | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 9 | 8 | 3 | 7 | 9 | 8 | 7 | 7 | 9 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 5 | 8 | 6 | 5 | 6 | 8 | 8 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 4 | 7 | 8 | 9 | 7 | 2 | 6 | 8 | 6 | 5 | 5 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 3 | 3 |
| UA0 = 19 | 8 | 8 | 8 | 7 | 7 | 3 | 6 | 5 | 5 | 7* | 6* | 5 | 4 | 4 | 5 | 6 | 7 | 6* | 6* | 6* | 6* | 5 | 6 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 7 | 6 | 2 | 9 | 9 | 9 | 8 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 9 | 9 | 5 | 4 | 8 | 9 | 8 | 5 | 5 | 4 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 7 | 5 | 7 | 4 | 2 | 2 | 8 | 8 | 5 | 6 | 7 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9+ |
| JT = 23 | 7 | 8 | 8 | 8 | 5 | 2 | 6 | 7 | 5 | 4 | 5 | 6 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 6 | 5 | 8 |
| VR2 = 24 | 9 | 8 | 8 | 7 | 2 | 1 | 3 | 3 | 5 | 7* | 6* | 4* | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| JA1 = 25 | 8 | 8 | 8 | 7 | 4 | 1 | 5 | 5 | 4 | 8* | 7* | 5 | 4 | 5 | 5 | 7 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 6 | 1* | - | 4 | 4 | 7 | 6 | 6 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 9 | 8 | 8 | 6 | 2* | 2* | 3 | 6 | 5 | 8* | 7* | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 2 | 9 | 4 | 1* | 1* | 1* | 1 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 1 | 2* | 1* |
| VK6 = 29 | 2* | 1* | 1* | 1* | 1* | 1* | 1* | 7 | 7 | 6 | 6 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 1* | 1* | 1* | 1* | 2* | 2* | 2* | 5* | 8 | 7 | 4 | 2* | 1* | - | - | - | - | - | - | - | 4* | 4* | 3* | 2* |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 8 | 3 | 4* | 9 | 9 | 9 | 8 | 6 | 4 | 4* | 5 | 6* | 6 | 8* | 7* | 6* | 5 | 5 | 6 |
| KH8 = 32 | 6 | 8 | 8 | 8 | 7 | 1 | 3* | 3* | 3* | 3* | 2* | 3* | 2* | 2* | 3* | 5* | 6* | 6 | 8* | 8* | 8* | 6 | 5 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 7 | - | - | 7 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| SU = 34 | 9+ | 9+ | 9+ | 7 | 5 | 2 | 9 | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 8 | - | 2* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 1 | 4* | 5* | 2* | 8 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 3* | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | - |
| FR = 39 | - | - | 2* | 3* | 2* | 1* | 6 | 9 | 8 | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 4 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | 8 | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 5 | 7 | 8 | 8 | 8 | 6 | 3 | 1 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: May, Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 2 | - | - | - | 1 | - | 1* | 1* | - | - | - | - | - | - | - | - | 1* | 2* | 4* | - | - | - |
| VO2 = 02 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | 1 | - | 5 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 6 | - | 5* | 3* | 2* | 1* | - | - | - | - | 2 | 2 | 4* | 5 | 7 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9 | 9 | 9 | 8 | 8 | 7 | - | - | 1 | 1 | - | - | 3 | 5 | 4 | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | 6 | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 6 | - | 5* | 5* | 7 | 2* | 1* | 5 | 8 | 8 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9 | 9 | 7 | 2 | - | 5* | 5* | 6 | 1 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 6 | 1 | - | 1* | - | - | 9 | 9 | 9 | 9 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| P4 = 09 | 8 | 8 | 8 | 8 | 6 | 1 | - | 5* | 4* | 2* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | 4* | 5* | 3* | 1* | 9 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 8 | 9+ | 9+ | 9+ | 8 | 2* | - | - | - | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 6 | 2 | - | - | - | - | - | - | 2 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 8 | 7 | 6 | 5 | - | - | 7 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| I = 15 | 8 | 9 | 9 | 7 | - | - | - | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 | 7 |
| UA3 = 16 | 8 | 7 | 4 | 4 | 2 | - | 2 | 9 | 7 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 7 | 7 | 9 | 9 | 4 | 1 | 8 | 8 | 7 | 7 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| UA9 = 18 | 2* | 1* | 3 | 8 | 1 | - | 3 | 8 | 7 | 7 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 5 | - | - | 1* | 2* |
| UA0 = 19 | 4 | 5 | 5 | 5 | 3 | - | 2 | 6 | 6 | 8* | 6* | 5 | 5 | 5 | 4 | 4* | 5* | 6* | 5* | 4* | 6* | 6* | 5* | 2 |
| 4X = 20 | 9+ | 9+ | 7 | 1* | - | - | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 7 | 6 | 2* | - | 5 | 9 | 8 | 8 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 9 | 8 | 8 | 9 | 2 | 1 | 7 | 6 | 5 | 4 | 4 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 3* | 5 | 7 | 8 | 2 | - | 5 | 7 | 6 | 6* | 5* | 5 | 5 | 6 | 6 | 6 | 6 | 4 | 2 | 4 | 2* | 3* | 2* | 3* |
| VR2 = 24 | 8 | 8 | 9 | 6 | 1* | 1* | 4 | 4 | 4 | 6* | 7* | 6* | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 7 |
| JA1 = 25 | 8 | 8 | 8 | 6 | 1 | - | 2 | 6 | 5 | 8* | 8* | 6* | 5 | 5 | 5 | 5 | 6 | 7* | 6* | 4* | 5* | 7 | 8 | 8 |
| HS = 26 | 6 | 9 | 9 | 3* | 1* | 1* | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| DU = 27 | 9 | 9 | 8 | 3 | 2* | 2* | 4 | 5 | 5 | 7* | 8* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 |
| YB = 28 | 3* | 6 | 2* | 2* | 1* | - | - | 5 | 5 | 6* | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 2 | - | - | 1* | 3* |
| VK6 = 29 | 2* | 2* | 2* | 1* | 2* | 1* | - | 2 | 8 | 7 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | 4* | 3* |
| VK3 = 30 | 2* | 2* | 1* | 2* | 2* | 1* | - | - | 8 | 5* | 2* | 1* | - | - | - | - | - | - | - | - | 1* | 4* | 4* | 3* |
| KH6 = 31 | 7 | 8 | 8 | 9 | 8 | 5 | - | 5* | 6* | 9 | 8 | 7 | 4* | 4* | 5* | 5* | 6 | 7 | 7 | 8* | 7 | 6 | 6 | 6 |
| KH8 = 32 | 7 | 7 | 6 | 4* | 1 | - | 3* | 5* | 5* | 5* | 5* | 5* | 4* | 4* | 5* | 6* | 4* | 3 | 8 | 8 | 8* | 7 | 6 | 7 |
| CN = 33 | 5 | 6 | 7 | 5 | - | - | - | - | 9+ | 9+ | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 3 |
| SU = 34 | 9+ | 9+ | 7 | 1* | - | - | 5 | 9+ | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9 | 9 | 9+ | 9 | 8 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| D2 = 36 | 9+ | 9+ | 9 | 1 | - | 2* | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 7 | - | 4* | 4* | 2* | 1 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | 1* | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | - | - | - | - | - |
| FR = 39 | - | - | - | 4* | 2* | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 5 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | 2 | - | 1 | 1 | 1 | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: May, Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - |
| VO2 = 02 | 8 | 7 | 6 | 4 | 4 | 2 | - | - | - | - | 1 | 4 | 4 | 4 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 3* | 4* | 4 | 5 | 7 | 8 |
| W9 = 04 | 8 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 6 | 8 | 8 |
| W3 = 05 | 8 | 9 | 8 | 8 | 7 | - | - | - | 2 | - | - | - | - | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 6 | 7 | 7 | 6 | 5 | 1 | - | 5* | 1* | 2 | 1* | - | - | 3 | 6 | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 1 | - | - | 5* | 4* | 1 | - | 1 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 1 | 2 | 2 | 1 | - | - | - | - | - | - | 1 | 9 | 9 | 4 | 2 | 2 | 2 | 5 | 6 | 8 | 8 | 8 | 5 | 2 |
| P4 = 09 | 1 | 2 | 2 | 1 | - | - | - | 1* | - | - | - | 9 | 9 | 9 | 4 | 3 | 3 | 6 | 9 | 9 | 9 | 8 | 5 | 2 |
| HC = 10 | 9 | 9 | 9 | 7 | 5 | 1 | - | 5* | 5* | 2* | - | 1 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 7 | 9+ | 9+ | 9 | 8 | 3 | - | - | - | 9+ | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9+ | 9+ | 6 | 1 | - | - | - | - | - | - | - | 4 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 7 | 1 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 5 | 3 | 1 | - | - | - | - | 1 | 1 | 1 | 2 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 6 | 4 | 5 |
| I = 15 | 2 | 4 | 4 | 1 | - | - | - | - | 2 | 2 | 4 | 9 | 2 | 2 | 3 | 3 | 5 | 7 | 7 | 7 | 5 | 2 | 1 | 1 |
| UA3 = 16 | 4 | 2 | - | - | - | - | - | 1 | - | 1* | 8 | 8 | 8 | 8 | 8 | 8 | 2 | 5 | 7 | 5 | 8 | 7 | 7 | 6 |
| UN = 17 | 2 | 4 | 7 | 7 | - | - | 5 | 9 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 6 | 5 | 4 |
| UA9 = 18 | 1* | - | - | 6 | - | - | - | 8 | 7 | 6 | 5 | 6 | 6 | 5 | 4 | 4 | 2 | 2 | 1 | - | - | - | - | - |
| UA0 = 19 | - | 1 | 1 | - | - | - | - | 4 | 3 | 8* | 6* | 5* | 4 | 3* | 2* | 2* | 3* | 4* | 2* | 1* | 4* | 6* | 2* | - |
| 4X = 20 | 9 | 7 | 1 | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 |
| HZ = 21 | 9 | 7 | 5* | 2* | 1* | - | 1 | 9 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | 5 | 5* | 6 | 7 | 1* | - | 6 | 8 | 6 | 5 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 7 |
| JT = 23 | 3* | 1* | 1 | 4 | - | - | 1 | 8 | 7 | 6 | 5* | 4 | 4 | 4 | 2 | 1 | 1* | 1* | - | - | - | 1* | 3* | 4* |
| VR2 = 24 | 7 | 8 | 8 | 4 | 2* | - | 2 | 6 | 5 | 4 | 8* | 7* | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 4 |
| JA1 = 25 | 7 | 7 | 6 | 2 | - | - | - | 7 | 6 | 7* | 8* | 6* | 5* | 4* | 5* | 5* | 6* | 6* | 3* | 1* | 3* | 5* | 5* | 6 |
| HS = 26 | 5* | 8 | 7 | 4* | 2* | - | 1 | 7 | 6 | 5* | 6* | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 4* |
| DU = 27 | 9 | 9 | 8 | 4* | 2* | 1* | 2 | 7 | 6 | 6 | 8* | 7 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 5* | 6* |
| YB = 28 | 2* | 3* | 2* | 1* | - | - | - | 6 | 6 | 7 | 7 | 8 | 7 | 7 | 6 | 6 | 6* | 6* | 4* | - | - | - | 1* | 3* |
| VK6 = 29 | 3* | 2* | 2* | 2* | 1* | - | - | - | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2* | 4* |
| VK3 = 30 | 2* | 2* | 2* | 2* | 2* | - | - | - | 6 | 4* | 1* | - | - | - | - | - | - | - | - | - | - | 5* | 4* | 3* |
| KH6 = 31 | 5 | 6 | 7 | 7 | 6 | - | - | 2* | 7* | 8 | 7 | 6* | 5* | 5* | 5* | 3* | 2 | 7 | 7 | 7* | 6 | 6 | 5 | 4 |
| KH8 = 32 | 7 | 6 | 5* | 2* | - | - | 1* | 6* | 6* | 6* | 6* | 6* | 5* | 5* | 5* | 5* | - | - | 8 | 8 | 8 | 8 | 8 | 7 |
| CN = 33 | - | - | 1 | - | - | - | - | - | - | - | - | 1 | 8 | - | 1 | - | 1 | 2 | 2 | 6 | 5 | 2 | - | - |
| SU = 34 | 9 | 7 | 1 | - | - | - | - | 9 | 9 | 6 | 8 | 8 | 8 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 8 | 9 |
| 6W = 35 | 3 | 6 | 8 | 7 | 1 | - | - | - | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 5 | 1 |
| D2 = 36 | 9+ | 9 | 5 | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 1 | - | 5* | 4* | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 7 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | 2* | 1* | - | - | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 6 | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jun., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 3 | 5 | 6 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W6 = 03 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 1 | 3 | 4 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 3 | 5 | 5 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 2 | 3 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 1 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| P4 = 09 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 3 | 4 | 3 | 3 | 4 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 |
| LU = 13 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 3 |
| G = 14 | 5 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 |
| I = 15 | 5 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 |
| UA3 = 16 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 1 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 3 |
| HZ = 21 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 5 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 4 | 4 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 |
| FR = 39 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jun., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 6 | 8 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| W6 = 03 | - | - | - | - | 1 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 4 | 6 | 7 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 6 | 8 | 8 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | - | 4 | 5 | 6 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 4 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| P4 = 09 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| HC = 10 | 6 | 7 | 6 | 6 | 7 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 4 |
| LU = 13 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 6 |
| G = 14 | 8 | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| I = 15 | 8 | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 8 |
| UA3 = 16 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 5 | 4 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 6 |
| HZ = 21 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 9 | 8 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 7 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 5 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 8 | 6 | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 7 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 6 | 7 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jun., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 |
| W6 = 03 | - | 1 | 4 | 5 | 7 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| XE1 = 06 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 |
| HC = 10 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 8 | 8 | 8 |
| UN = 17 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 6 | 6 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 4 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 1 | - | - |
| 4X = 20 | 9 | 8 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 8 | 8 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 3 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 7 | - | 2 | 6 | 5 | 5 | 4 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 2 | 1 | - | - |
| HS = 26 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 6 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | - | 1 | 3 | 6 | 5 | 6 | 2 | - |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 8 | 8 |
| VK6 = 29 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 7 | 7 | 6 | 3 |
| KH6 = 31 | - | - | - | - | 2 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 2 | 6 | 6 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 8 | 9 | 9 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 8 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 9 | 8 |
| FJL = 40 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jun., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 2 | 3 | 5 | 6 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 |
| W6 = 03 | 2 | 5 | 6 | 7 | 8 | 8 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 |
| LU = 13 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 9 | 6 | 2 | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 8 | 8 | 8 | 9 |
| UN = 17 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 7 | 7 | 7 | 8 |
| UA9 = 18 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 5 | 5 | 4 | 7 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 3 | 1 | 1 |
| 4X = 20 | 9 | 9 | 9 | 9 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 7 | 7 |
| JT = 23 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 5 | 7 | 3 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 4 | 6 | 6 | 5 | 5 | 4 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | 6 | 6 | 7 | 5 | 1 | - |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 2 | 1 | - | 1 | 3 | 5 | 7 | 7 | 7 | 6 | 4 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 7 | 7 |
| VK6 = 29 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 5 | 6 |
| VK3 = 30 | 4 | 1 | 1 | - | - | - | 3 | 4 | 2 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 4 | 4 | 7 | 6 |
| KH6 = 31 | - | - | - | 2 | 6 | 7 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 4 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | 1 | 1 | 1 | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 5 | - | 1 | 9 | 8 | 4 | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| FR = 39 | 7 | 4 | 1 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 7 |
| FJL = 40 | 7 | 6 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 5 | 7 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jun., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | 1 | 3 | 3 | 1 | 1 | 2 | 3 | 4 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 2 | 1 | 2 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 5 |
| W9 = 04 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | 1 | - | - | 1 | 3 | 2 | 4 | 5 | 7 | 8 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | - | - | 1 | 3 | 4 | 6 | 7 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 5 | 1 | 1 | - | - | - | 1 | 1 | 1 | 2 | 6 | 8 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 2 | 2 | 5 | 6 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 7 | 9+ | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 6 | 9+ | 9+ | 9 | 8 | 4 | 2 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 9+ | 8 | 8 | 5 | 4 | 1 | - | - | 1 | 1 | 4 | 7 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 9+ | 9+ | 9 | 8 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 2 | 6 | - | 9 | 8 | 5 | 1 | 1 | - | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | 6 | 9+ | 9+ | 9 | 6 | 2 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 8 | 7 | 5 | 2 | 1 | - | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 1 | 1 | 1 | - | - | - | - | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 7 | 6 | 5 | 2 | 1 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 8 | 8 | 6 | 4 | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 |
| UA0 = 19 | 5 | 4 | 2 | 2 | 1 | - | - | - | 4* | 2* | 2* | 1* | - | - | - | - | 5 | 8 | 8 | 9 | 9 | 8 | 8 | 6 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | 1 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 7 | 5 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| VR2 = 24 | 7 | 5 | 3 | 1 | - | - | - | - | 2* | 2* | 1* | - | - | - | - | 2 | 7 | 7 | 8 | 9 | 8 | 9 | 9 | 8 |
| JA1 = 25 | 4 | 2 | 1 | - | - | - | - | 1* | 5* | 5* | 3* | 1* | - | - | - | - | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 5 |
| HS = 26 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | 1* | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 4 | 1 | - | - | - | - | 1* | 4* | 4* | 2* | 1* | - | - | - | 2 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 9 | 7 | 3 | - | - | - | - | 1* | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 1 |
| VK6 = 29 | 6 | 5 | 5 | 3 | - | - | 2 | 3 | 8 | 2 | 1 | 1 | 1 | 1 | 1 | - | - | - | 2* | 2* | 1* | 1* | 1* | 1* |
| VK3 = 30 | 5 | 4 | 4 | 4 | 1 | - | 1 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | 5 | 6 | 6 | 2 | 2* | 2* | 5 | 8 |
| KH6 = 31 | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | 1* | 3* | 5* | 5* | 3* | 1* | - | - | - |
| KH8 = 32 | 1 | 4 | 6 | 8 | 9 | 9 | 5 | 5 | 9 | 8 | 7 | 4 | 1 | - | - | - | 4* | 6* | 7* | 6 | 4* | 1 | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 8 | 9 | 9 | 8 | 6 | 5 | 3 | 2 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | 2 | 1 | - | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 7 | 7 | 8 | 9 | 8 | 6 | 3 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | 1 | 2 | - | 1* | 1* | 8 | 9+ | 9 | 7 | 5 | 3 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 3 |
| FR = 39 | - | - | - | - | 1 | 4 | 8 | 6 | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | 1 |
| FJL = 40 | 9 | 9 | 9 | 8 | 9 | 8 | 8 | 6 | 4 | 2 | 1 | - | - | - | 1 | 2 | 2 | 7 | 8 | 9 | 8 | 8 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jun., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 9 | 9 | 9 | 7 | 4 | 7 | 7* | 6* | 4* | 2 | 1 | 1 | 2 | 2 | 3 | 6 | 4* | 5 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 6 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9+ | 9 | 9 | 3 | 4 | 8 | 6 | 2 | 2 | 3 | 3 | 2 | 4 | 5 | 5 | 5 | 5 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 6 | 7 | 7 | 8 | 7 | 6 | 5 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | 4 | 9 | 9 | 8 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 2 | 9 | 9 | 8 | 7 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9 | 9 | 8 | 6 | 1* | 3 | 5 | 9 | 9 | 8 | 7 | 5 | 4 | 4 | 6 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1* | 4* | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1* | 1* | 9 | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | 2* | 8 | 8 | 9 | 8 | 8 | 5 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 8 | 6 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | - | 2 | 9 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | 1 | 9+ | 9+ | 9 | 8 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 7 | 1 | 4 | 9 | 9 | 7 | 6 | 5 | 3 | 2 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9 | 9 | 9 | 8 | 1 | - | 5 | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UA3 = 16 | 9+ | 9 | 9 | 8 | 3 | - | 6 | 8 | 7 | 5 | 3 | 4 | 5 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 5 | 5 | 6 | 4 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA9 = 18 | 9 | 9 | 9 | 8 | 5 | 1 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| UA0 = 19 | 8 | 8 | 7 | 6 | 3 | 1 | 5 | 4 | 6 | 6 | 5* | 4* | 1* | 1* | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 7 | 2 | 2 | 9 | 8 | 7 | 5 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9+ | 9 | 9 | 6 | 5 | 8 | 7 | 4 | 2 | 2 | 1 | 2 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9+ | 9 | 9 | 9 | 7 | 6 | 4 | 2 | 1 | - | 1 | 1 | 1 | 2 | 4 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ |
| JT = 23 | 9 | 8 | 8 | 6 | 1 | 1 | 4 | 4 | 4* | 3* | 2 | 2* | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 9 | 8 | 7 | 6 | 1 | - | - | 1 | 1 | 8 | 5* | 3* | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| JA1 = 25 | 8 | 7 | 5 | 2 | - | - | 3 | 3 | 7 | 7* | 6* | 5* | 2* | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 9 | 7 | 2 | 1 | 2 | 2 | 2 | 3* | 3* | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| DU = 27 | 8 | 8 | 7 | 2 | - | - | 1* | 1 | 8 | 7 | 6* | 4* | 3 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 7 | 9 | 6 | - | - | - | 1 | 1 | 3* | 7 | 2 | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 5 | 2* | 1* |
| VK6 = 29 | 1* | - | 1* | - | - | 1* | - | 7 | 7 | 6 | 5 | 5 | 5 | 4 | - | - | - | 1* | 1* | 1* | - | 1* | 1* | 1* |
| VK3 = 30 | 1* | - | - | 1* | 2* | 1* | 1* | 5 | 9 | 8 | 6 | 1 | - | - | - | - | - | 1 | - | - | 3* | 2* | 2* | 4 |
| KH6 = 31 | 6 | 7 | 8 | 9 | 9 | 8 | 5 | 4 | 9 | 9 | 9 | 8 | 6 | 3 | 2 | 5* | 5* | 8 | 8 | 6* | 6* | 4* | 1 | 2 |
| KH8 = 32 | 6 | 7 | 8 | 8 | 8 | 5 | 4* | 3* | 8 | 8 | 3 | 1 | 1 | 1* | 2* | 4* | 5* | 5 | 8* | 8* | 7* | 6* | 4 | 4 |
| CN = 33 | 8 | 8 | 8 | 6 | 1 | - | - | 8 | 9+ | 9 | 9 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| SU = 34 | 9+ | 9+ | 9+ | 7 | 1 | 2 | 9 | 9 | 7 | 6 | 4 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 5 | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 2* | 2* | 1* | 9 | 9 | 9 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 3* | 2* | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | - | - | - |
| FR = 39 | - | - | 1* | 2* | 1* | - | 8 | 8 | 6 | 5 | 6 | 6 | 7 | 6 | 8 | 9 | 9 | 9 | 9 | 4 | - | - | - | - |
| FJL = 40 | 6 | 5 | 5 | 5 | 8 | 5 | 7 | 8 | 6 | 7 | 5 | 4 | 3 | 2 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jun., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 5 | 6 | 6 | 5 | 1 | - | - | 5* | 5* | 4* | 2* | 1* | - | 1 | 1 | 1 | 3* | 4* | 5* | 4* | 3 | 3 | 3 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 8 | 6 | 1 | 1 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 6 | - | 6* | 5* | 5* | 3* | 1* | - | 1 | 3 | 4 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 9 |
| W9 = 04 | 9 | 8 | 8 | 8 | 8 | 5 | - | - | - | 1 | - | 5 | 5 | 6 | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 8 | 7 | 7 | 8 | 4 | - | 4* | 5* | 9 | 7 | 7 | 8 | 7 | 7 | 8 | 9 | 7 | 8 | 8 | 9 | 9 | 9 | 8 |
| TI = 07 | 9 | 9 | 9 | 8 | 5 | 1 | 1* | 4* | 4* | 8 | 8 | 9 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 4 | 3 | 3 | 2 | 3 | - | - | 2* | 1* | 7 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 |
| P4 = 09 | 3 | 4 | 3 | 2 | 3 | - | - | 4* | 3* | 3 | 9 | 9 | 9 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 6 |
| HC = 10 | 9+ | 9+ | 9 | 8 | 7 | 4 | 1* | 3* | 3* | 2* | 3 | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 2 | 1 | 3 | 2 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 8 | 6 | - | - | - | - | - | - | 9 | 9 | 8 | 7 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 8 | 4 | - | - | - | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 8 | 7 | 5 | - | - | - | 8 | 9 | 8 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| I = 15 | 4 | 4 | 4 | 1 | - | - | - | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 7 | 4 | 4 |
| UA3 = 16 | 9 | 6 | 6 | 3 | - | - | 2 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 8 | 9 | 9 | 7 | 1 | 1 | 7 | 7 | 5 | 7 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| UA9 = 18 | 4 | 8 | 7 | 6 | 1 | - | 2 | 7 | 5 | 6 | 6 | 6 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 4 |
| UA0 = 19 | 6 | 6 | 5 | 2 | - | - | 2 | 5 | 4 | 7* | 6* | 5* | 4 | 4 | 4 | 6 | 7 | 7 | 7* | 6* | 6* | 5* | 3* | 5 |
| 4X = 20 | 9 | 9 | 5 | 1* | - | - | 8 | 9 | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 8 | 8 | 2* | - | 8 | 8 | 8 | 6 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 9 | 9 | 9 | 9 | 5 | 3 | 7 | 6 | 2 | 4 | 8 | 8 | 5 | 6 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 6 | 6 | 6 | 4 | - | - | 4 | 6 | 6 | 5 | 6 | 6 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 8 | 6 | 8 | 7 | 8 |
| VR2 = 24 | 9 | 8 | 8 | 6 | 1 | 1 | 3 | 2 | 5 | 6* | 6* | 4* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 6 | 5 | 5 | 1 | - | - | 2 | 4 | 4 | 8* | 7* | 6* | 5 | 5 | 5 | 7 | 8 | 9 | 8 | 8 | 9 | 9 | 7 | 6 |
| HS = 26 | 8 | 9 | 9 | 6 | 1* | - | 4 | 4 | 7 | 6 | 6 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| DU = 27 | 9 | 9 | 8 | 5 | 1* | 1* | 3 | 5 | 5 | 8* | 7* | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| YB = 28 | 1 | 6 | 1* | - | - | - | 1 | 5 | 4 | 5* | 4 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 8 | 2 | 1 | - | 1* | 1* |
| VK6 = 29 | 1* | 1* | 1* | 1* | 1* | - | - | 7 | 8 | 8 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 1* | 1* | 1* | 1* | 1* | - | - | - | 9 | 7 | 3* | 1* | - | - | - | - | - | - | - | - | 2* | 4* | 3* | 2* |
| KH6 = 31 | 5 | 6 | 7 | 7 | 8 | 5 | - | 5* | 5* | 9 | 9 | 7 | 5 | 3 | 4* | 5* | 5 | 6 | 7* | 7* | 6* | 5 | 5 | 5 |
| KH8 = 32 | 7 | 7 | 6 | 3 | 4 | - | 3* | 3* | 3* | 2* | 4* | 3* | 3* | 2* | 3* | 4* | 1* | 7 | 8 | 8* | 8* | 7 | 6 | 5 |
| CN = 33 | 2 | 2 | 1 | - | - | - | - | - | 9+ | 9+ | 9 | 6 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 3 |
| SU = 34 | 9 | 8 | 5 | 1* | 1* | - | 7 | 9 | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 |
| 6W = 35 | 7 | 8 | 8 | 5 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 |
| D2 = 36 | 9+ | 9+ | 9+ | 8 | 1* | 1* | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 1 | 3* | 5* | 1* | 7 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | - | - | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 2 | - | - | - | - |
| FR = 39 | - | - | 2* | 1* | 1* | - | 6 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 3 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | 4 | - | 1 | 5 | 6 | 5 | 3 | - | 2 | 2 | 2 | 2 | 4 | 5 | 6 | 5 | 5 | 4 | 2 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jun., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 1* | 5* | 1* | - | - | - |
| VO2 = 02 | 8 | 7 | 6 | 5 | 5 | - | - | - | 1 | 4 | 7 | 8 | 6 | 6 | 6 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| W6 = 03 | 7 | 5 | 5 | 4 | 5 | 1 | - | 2* | 2* | 2* | 1* | - | - | - | - | 1 | 2 | 3* | 4 | 5 | 5 | 6 | 6 | 7 |
| W9 = 04 | 2 | 2 | 2 | 1 | 3 | - | - | - | - | - | - | - | 2 | 1 | - | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 8 | 5 |
| W3 = 05 | 7 | 7 | 6 | 5 | 1 | - | - | - | 1 | 2 | - | 4 | 8 | 6 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 1 | - | - | - | 1 | - | - | 5* | 3* | 5 | 1* | 1 | 5 | 7 | 7 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 3 |
| TI = 07 | 4 | 4 | 2 | 1 | - | - | - | 5* | 4* | 4 | - | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 5 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 3 | 2 | 4 | 6 | 8 | 9 | 8 | 7 | 2 | - |
| P4 = 09 | - | - | - | - | - | - | - | 4* | 1* | 1* | 1 | 9 | 9 | 8 | 5 | 4 | 5 | 7 | 9 | 9 | 9 | 7 | 2 | - |
| HC = 10 | 6 | 5 | 4 | 2 | 2 | - | - | 4* | 2* | 1* | - | 3 | 7 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 8 | 5 | - | - | - | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| CE = 12 | 9+ | 9+ | 5 | - | - | - | - | - | - | - | - | 6 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | 1 | 1 | 1 | - | - | - | - | - | 9 | 8 | 5 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 1 |
| I = 15 | - | - | - | - | - | - | - | 2 | 7 | 5 | 5 | 8 | 2 | 2 | 4 | 6 | 7 | 8 | 9 | 8 | 5 | - | - | - |
| UA3 = 16 | 5 | 1 | 1 | - | - | - | - | 5 | 7 | 5 | 7 | 8 | 7 | 7 | 7 | 8 | 6 | 7 | 8 | 8 | 7 | 8 | 5 | 5 |
| UN = 17 | 4 | 5 | 5 | 2 | - | - | 5 | 8 | 7 | 6 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 |
| UA9 = 18 | 1* | 1 | 1 | 1 | - | - | - | 7 | 6 | 5 | 5 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | 1* |
| UA0 = 19 | 2 | 2 | 2 | - | - | - | - | 3 | 2 | 8* | 6* | 5* | 3* | 2 | 2 | 3 | 3 | 2* | 1* | 1* | 4* | 6* | 3* | - |
| 4X = 20 | 2 | 1 | - | - | - | - | 1 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 7 | 4 | 3 | 2 |
| HZ = 21 | 9 | 7 | 3* | 2 | 1* | - | 5 | 8 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 6 | 7 | 8 | 7 | 1* | - | 7 | 7 | 6 | 4 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 8 |
| JT = 23 | 2* | - | - | - | - | - | 1 | 7 | 5 | 5 | 4* | 3* | 3 | 2 | 4 | 4 | 4 | 4 | 4 | 1 | - | 2* | 4* | 3* |
| VR2 = 24 | 8 | 9 | 8 | 4 | 1* | - | 3 | 4 | 4 | 5* | 7* | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 3* | 4 |
| JA1 = 25 | 2* | 1 | 1 | - | - | - | - | 6 | 5 | 8* | 8* | 6* | 5 | 5 | 5 | 7 | 7 | 6 | 4 | 2 | 1 | 6* | 5* | 2* |
| HS = 26 | 5* | 8 | 8 | 2 | 1* | - | 4 | 6 | 2 | 5* | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 3 | 4* |
| DU = 27 | 9 | 9 | 8 | 2 | 1* | - | 3 | 6 | 5 | 6* | 8* | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 4* | 6 |
| YB = 28 | - | - | - | - | - | - | - | 5 | 6 | 7* | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | 1* |
| VK6 = 29 | 1* | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 7 | - | - | - | - | - | - | - | - | - | - | 3* | 2* |
| VK3 = 30 | 1* | 1* | 1* | - | - | - | - | - | 9 | 3* | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* | 2* |
| KH6 = 31 | 1 | 1 | 1 | 1 | 2 | - | - | 5* | 7* | 9 | 8 | 5 | 4* | 3* | 3* | 2 | 5 | 6 | 6 | 7* | 6 | 5 | 4 | 1 |
| KH8 = 32 | 7 | 5 | 1* | - | - | - | 1* | 6* | 5* | 4* | 5* | 4* | 4* | 3* | 2* | 1* | - | - | 8 | 8 | 8 | 8 | 7 | 7 |
| CN = 33 | - | - | - | - | - | - | - | - | - | 2 | - | - | 8 | - | 1 | 4 | 5 | 7 | 8 | 8 | 5 | 1 | - | - |
| SU = 34 | 1 | 1 | - | - | - | - | 1 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 6 | 2 | 1 | 1 |
| 6W = 35 | 1 | 1 | 1 | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 1 |
| D2 = 36 | 9+ | 9 | 5 | 1 | - | - | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 1 | - | 3* | 1* | - | - | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 8 | 2 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 4 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | - | - | 1 | 1 | - | - | - | 1 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jun., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - |
| VO2 = 02 | 2 | 1 | - | - | - | - | - | - | - | - | 2 | 4 | 1 | 1 | 2 | 4 | 5 | 4 | 4 | 4 | 6 | 7 | 7 | 6 |
| W6 = 03 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 3* | 2* | 1 | 1 | 1 | 1 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | 1 | 3 | 1 |
| W3 = 05 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 2 | 2 | 5 | 6 | 7 | 6 | 6 | 7 | 8 | 8 | 4 |
| XE1 = 06 | - | - | - | - | - | - | - | 3* | - | - | - | - | - | 1 | 2 | 3 | 4 | 3 | 5 | 5 | 6 | 5 | 1 | - |
| TI = 07 | - | - | - | - | - | - | - | 4* | - | - | - | - | 5 | 6 | 6 | 7 | 6 | 8 | 8 | 8 | 8 | 7 | 3 | 1 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | - | - | - | 1* | 2* | 1 | 3 | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | - | - | 1* | 1 | 1 | 2 | 3 | 1 | - | - |
| HC = 10 | 1 | 1 | - | - | - | - | - | 4* | 1* | - | - | - | 2 | 2 | 1 | 1 | 3 | 5 | 8 | 9 | 8 | 7 | 5* | 4* |
| PY1 = 11 | 9+ | 9+ | 9 | 8 | 2 | 1 | - | - | - | 9 | - | 5 | 6 | 2 | 9+ | 9+ | 9+ | 9+ | 6 | 8 | 9 | 7 | 9+ | 9+ |
| CE = 12 | 9 | 4 | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 1 | 1 | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 1 | - | - | 1 | 3 | 4 | 4 | 4 | 6 | 7 | 7 | 5 | 1 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 1 | - | - | 1 | - | - | - | 1 | 2 | 2 | 4 | 2 | - | - | - | - |
| UA3 = 16 | 1 | - | - | - | - | - | - | - | 4 | 3 | 2 | 6 | 5 | 5 | 4 | 5 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| UN = 17 | - | - | - | - | - | - | 1 | 8 | 7 | 6 | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 1 | - |
| UA9 = 18 | - | - | - | - | - | - | - | 4 | 4 | 3 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 1 | 7* | 5* | 1 | 1 | 1* | 1* | - | - | - | - | - | 1* | 4* | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 9 | 1 | 1 | 5 | 8 | 4 | 2 | 4 | 6 | 6 | 7 | 6 | 5 | 1 | - | - | - |
| HZ = 21 | 6 | 1 | 2* | - | - | - | - | 6 | 7 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 7 |
| VU = 22 | 1 | 5* | 4 | 2 | - | - | 4 | 8 | 7 | 7 | 7 | 8 | 7 | 8 | 9 | 9 | 8 | 7 | 5 | 6 | 7 | 6 | 5 | 3 |
| JT = 23 | - | - | - | - | - | - | - | 5 | 5 | 4 | 2* | 1 | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5 | 8 | 6 | 1 | - | - | 1 | 6 | 6 | 6 | 7 | 7 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | 2* |
| JA1 = 25 | 1* | - | - | - | - | - | - | 4 | 2 | 5* | 6* | 4 | 2 | 1 | 2 | 3 | 3 | 1 | - | - | - | 3* | 3* | 1* |
| HS = 26 | 5* | 7 | 4* | 1* | - | - | - | 6 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 5 | 3 | 1 | - | 2* |
| DU = 27 | 8 | 8 | 5 | 1* | - | - | 1 | 7 | 7 | 6 | 8* | 7 | 7 | 7 | 6 | 6 | 7 | 8 | 7 | 7 | 5 | 1 | 3* | 5* |
| YB = 28 | - | - | - | - | - | - | - | 5 | 6 | 8 | 7 | 7 | 6 | 7 | 6 | 5 | 4* | 1 | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 6* | 2* | 1* |
| KH6 = 31 | - | - | - | - | - | - | - | 1* | 8* | 8 | 5* | 4* | 3* | 2* | 1* | - | 2 | 5 | 5 | 6* | 6 | 5 | 1 | - |
| KH8 = 32 | 3 | - | - | - | - | - | - | 6* | 5* | 5* | 5* | 4* | 3* | 1* | - | - | - | - | 8 | 9 | 8 | 8 | 7 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 9 | 9 | 9 | - | 1 | 2 | 2 | 1* | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 8 | 2 | - | 2 | 5 | 2 | 1 | 2 | 5 | 5 | 5 | 5 | 4 | 1* | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | 2 | 9+ | 9+ | 9 | 6 | 5 | 4 | 7 | 6 | 6 | 6 | 6 | 3 | - | - | - |
| D2 = 36 | 8 | 2 | - | - | - | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 6 | 9+ | 9 | 6 | 3 | 2 | 5 | 7 | 6 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 7 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jul., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 4 | 6 | 6 | 5 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W6 = 03 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 3 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 1 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 2 | 3 | 3 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 3 | 5 | 4 | 5 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 2 |
| G = 14 | 5 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 |
| I = 15 | 4 | 3 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 |
| UA3 = 16 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 3 |
| HZ = 21 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| SU = 34 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 4 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| FR = 39 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jul., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 7 | 9 | 9 | 8 | 9 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| W6 = 03 | - | - | - | 1 | 1 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 5 | 6 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 4 | 6 | 7 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 4 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 |
| P4 = 09 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| HC = 10 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 5 | 6 | 6 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| LU = 13 | 6 | 8 | 7 | 8 | 8 | 8 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 5 |
| G = 14 | 8 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| I = 15 | 7 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 |
| UA3 = 16 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 6 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 6 |
| HZ = 21 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 5 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 1 |
| VK3 = 30 | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| SU = 34 | 7 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 7 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 7 | 7 | 7 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 8 |
| FJL = 40 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jul., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | 1 | 2 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| W6 = 03 | - | 2 | 4 | 6 | 7 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| XE1 = 06 | 6 | 8 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 |
| HC = 10 | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 7 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 |
| UN = 17 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 7 | 7 | 7 |
| UA9 = 18 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 5 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 2 | 2 | - | - |
| 4X = 20 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 6 | 8 | 8 | 8 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 7 | 4 | 3 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 8 | 5 | 5 | 5 | 5 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 1 | - | - |
| HS = 26 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 6 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | - | - | 1 | 3 | 6 | 5 | 5 | 4 | - |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 7 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 | 1 |
| KH6 = 31 | - | - | - | - | 2 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 2 | 6 | 6 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | - | - | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9+ | 9+ | 9 | 8 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 8 | 9 |
| FJL = 40 | 6 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jul., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | 2 | 4 | 6 | 7 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 9 |
| W6 = 03 | 3 | 5 | 7 | 8 | 8 | 8 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 8 | 3 | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 5 | 6 | 6 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 6 | 3 | 1 |
| 4X = 20 | 9 | 9 | 9 | 9 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 7 | 7 | 7 | 7 | 7 |
| JT = 23 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 6 | 5 | 6 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 6 | 5 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 6 | 2 | - |
| HS = 26 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | - | 2 | - | - | 1 | 3 | 5 | 6 | 7 | 7 | 6 | 4 |
| YB = 28 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 | 6 |
| VK6 = 29 | 7 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 7 | 4 | 5 |
| VK3 = 30 | 1 | - | - | - | - | - | 2 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 1 | 1 | 6 | 5 |
| KH6 = 31 | - | - | 1 | 5 | 6 | 8 | 8 | 7 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 4 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | 1 | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 6 | 7 | 9 | 6 | - | - | 8 | 7 | 2 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| FR = 39 | 6 | 5 | 2 | - | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 7 | 5 | 5 |
| FJL = 40 | 7 | 7 | 8 | 6 | 5 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 7 | 6 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jul., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | 1 | 4 | 4 | 5 | 2 | 3 | 6 | 7 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 3 | 2 | 1 | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | 1 | 1 | - | 1 | 2 | 2 | 4 | 5 | 7 | 8 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | 1 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 1 | - | 1 | 3 | 6 | 8 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 9 | 9 | 8 | 5 | 2 | 1 | - | - | - | 2 | 2 | 4 | 6 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 6 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 5 | 3 | 1 | - | - | 1 | 1 | 4 | 5 | 8 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | - | 3 | - | 9 | 7 | 4 | 1 | - | - | 1 | 3 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 1 | 9+ | 9 | 8 | 4 | 1 | - | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 2 | 1 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 8 | 8 | 5 | 5 | 4 | 1 | 1 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| UA0 = 19 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | - | 3* | 2* | 1* | - | - | - | - | - | 3 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 5 | - | - | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | 1 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | 1 | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 6 | 6 | 4 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 8 |
| VR2 = 24 | 8 | 5 | 3 | 1 | - | - | - | - | 1* | 2* | 1* | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 4 | 1 | 1 | - | - | - | - | 1* | 4* | 5* | 2* | 1* | - | - | - | - | 3 | 8 | 9 | 9 | 9 | 9 | 8 | 6 |
| HS = 26 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 1* | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 4 | 2 | - | - | - | - | - | 3* | 3* | 2* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 8 | 8 | 7 | 2 | - | - | - | - | 1* | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 2 | 1* |
| VK6 = 29 | 4 | 2 | 4 | 2 | - | - | 1 | 2 | 1 | 2* | - | - | 1 | 1 | - | - | - | - | 3* | 2* | 1 | 1* | 1* | 1* |
| VK3 = 30 | 2 | 2 | 3 | 3 | 2 | - | 1 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | 2 | 4 | 3 | 2* | 2* | 2* | 4 | 6 |
| KH6 = 31 | 1 | 3 | 7 | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 7 | 2 | - | - | - | - | 2* | 4* | 5* | 2* | 1* | - | - | - |
| KH8 = 32 | - | 2 | 7 | 8 | 8 | 8 | 2 | 2* | 9 | 8 | 6 | 3 | - | - | - | - | 1* | 6* | 7* | 7 | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 8 | 9 | 9 | 8 | 6 | 4 | 3 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 4 | 2 | 1 | - | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 1 | 1 | 1 | 9 | 8 | 5 | 1 | - | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | 2 | - | 1* | 1* | 4 | 9+ | 9 | 6 | 4 | 4 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | 5 | - |
| FR = 39 | - | - | 1* | - | - | - | 7 | 5 | 1 | 1 | 1 | 1 | 1 | 3 | 4 | 7 | 9 | 9 | 9 | 6 | 3 | 2 | - | - |
| FJL = 40 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | 1 | - | - | - | - | 1 | 2 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jul., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 7* | 5 | 5 | 2 | 1 | 1 | 2 | 3 | 4 | 7 | 6 | 7 | 5 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9+ | 9+ | 9 | 8 | 4 | 4 | 7 | 4* | 1* | 1 | 3 | 4 | 3 | 3 | 5 | 5 | 5 | 5 | 6 | 8 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 6 | 7 | 6 | 4 | 7 | 7 | 5 | 6 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 5 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 4 | 2* | 9 | 9 | 7 | 7 | 5 | 4 | 5 | 4 | 4 | 2 | 4 | 5 | 7 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | 2* | 4 | 9 | 9 | 8 | 6 | 7 | 4 | 4 | 5 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | - | 4* | 7 | 9+ | 9+ | 9 | 8 | 7 | 6 | 5 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | 2* | 6 | 9+ | 9+ | 9 | 8 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 2 | 8 | 8 | 9 | 7 | 6 | 5 | 5 | 4 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 6 | 2 | 8 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - | - | 9 | 8 | 5 | 5 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 8 | 1 | 2 | - | - | - | - | - | 9+ | 9 | 9 | 7 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 4 | - | 2 | 9 | 9 | 8 | 6 | 5 | 3 | 2 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | - | - | 2 | 9 | 9 | 8 | 6 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9 | 9 | 2 | - | 5 | 8 | 8 | 5 | 3 | 2 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 7 | 5 | 6 | 3 | 2 | 1 | 1 | 2 | 3 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 |
| UA9 = 18 | 9 | 9 | 9 | 8 | 5 | - | 5 | 5 | 5 | 3 | 3 | 2 | 3 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 8 | 8 | 7 | 7 | 2 | - | 5 | 6 | 6* | 6 | 5* | 3 | 2 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 7 | 5 | 4 | 7 | 9 | 7 | 5 | 4 | 3 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 6 | 5 | 8 | 7 | 5 | 4 | 2 | 1 | 3 | 7 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9+ | 9 | 9 | 8 | 8 | 5 | 4 | 2 | 1 | - | 1 | 1 | 3 | 2 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ |
| JT = 23 | 8 | 8 | 9 | 8 | 3 | 1 | 4 | 4 | 3 | 9 | 2 | 2 | 2 | 2 | 4 | 6 | 7 | 8 | 9 | 9+ | 9 | 9 | 9 | 9 |
| VR2 = 24 | 9 | 8 | 7 | 6 | 1 | - | - | 1 | 1 | 8 | 4* | 2* | 1 | 2 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 8 | 7 | 6 | 5 | 1 | - | 4 | 7 | 6 | 7* | 6* | 4* | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 8 | 7 | - | - | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| DU = 27 | 8 | 8 | 7 | 2 | - | 1* | 1* | 1 | 8 | 8 | 5* | 3* | 3 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 5 | 5 | 2 | - | - | - | 1 | 1 | 3* | 8 | 2* | 2 | 4 | 5 | 6 | 8 | 9 | 9 | 8 | 5 | 4 | 1 | 1* | 1* |
| VK6 = 29 | 1* | 1* | 1* | - | - | - | - | 7 | 5 | 6 | 4 | 4 | 4 | - | - | - | - | 1* | 2* | 1* | - | 1* | 2* | 1* |
| VK3 = 30 | 1* | - | - | - | 1* | 1* | 2* | 5* | 9 | 8 | 4 | 1* | - | - | - | - | 1* | - | - | - | 3* | 2* | 2* | 1 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 8 | 2 | 4* | 8 | 9 | 8 | 8 | 6 | 4 | 2 | 5* | 5* | 8 | 8 | 7* | 6* | 4* | 2 | 3 |
| KH8 = 32 | 6 | 7 | 6 | 4 | 6 | 2 | 3* | 3* | 3 | 4 | 1* | 1* | 1* | 1* | 1* | 4* | 6* | 5 | 8* | 8* | 7* | 5* | 3 | 4 |
| CN = 33 | 9 | 9 | 8 | 5 | - | - | - | 8 | 9+ | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| SU = 34 | 9+ | 9+ | 9+ | 6 | 5 | 3 | 9 | 9 | 8 | 7 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 1 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | - | 2* | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 8 | 1 | 2* | 3* | 1* | 7 | 9 | 9 | 6 | 5 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | 2* | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 5 | - | - | - | - |
| FR = 39 | - | - | 1* | 2* | 1* | - | 7 | 8 | 6 | 5 | 5 | 5 | 6 | 6 | 8 | 9 | 9 | 8 | 1 | - | - | - | - | - |
| FJL = 40 | 8 | 6 | 6 | 4 | 8 | 3 | 7 | 8 | 7 | 8 | 7 | 6 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jul., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 8 | 8 | 5 | 1 | 1 | - | 6* | 5* | 4* | 1* | - | - | 1 | 1 | 2 | 2 | 5* | 5* | 2 | 2 | 6 | 6 |
| VO2 = 02 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 2 | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 3 | - | 4* | 5* | 4* | 2* | 1* | - | 2 | 4 | 4 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 8 | 8 | 8 | 5 | - | - | 1 | - | - | 5 | 7 | 8 | 7 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 9 | 5 | 2 | - | - | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 8 | 8 | 8 | 5 | - | 4* | 5* | 6 | 2* | 2 | 7 | 7 | 6 | 7 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9 | 9 | 5 | 2 | - | 4* | 4* | 8 | 7 | 8 | 8 | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ |
| VP2 = 08 | 6 | 5 | 4 | 2 | 2 | - | - | 4* | - | 7 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| P4 = 09 | 8 | 7 | 6 | 4 | 4 | - | - | 4* | 2* | 5 | 9 | 9 | 9 | 7 | 6 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | 4* | 3* | 1 | 3 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9 | 4 | 9+ | 9+ | 9 | 8 | 1 | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 8 | 2 | 2 | - | - | - | - | - | - | 9 | 8 | 7 | 8 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 8 | - | - | - | - | - | - | - | - | 7 | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 8 | 4 | - | - | - | 7 | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 8 | 8 | 8 | 2 | - | - | - | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | 9 | 9 | 8 | 5 | - | - | 1 | 8 | 8 | 8 | 8 | 9 | 7 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9 |
| UN = 17 | 8 | 8 | 9 | 8 | 4 | 2 | 7 | 7 | 5 | 7 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| UA9 = 18 | 3 | 3 | 7 | 8 | 1 | - | 3 | 6 | 7 | 6 | 6 | 7 | 5 | 5 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 4 |
| UA0 = 19 | 6 | 6 | 5 | 5 | - | - | 1 | 7 | 4 | 7* | 6* | 4 | 4 | 4 | 5 | 7 | 8 | 8 | 6 | 5 | 6* | 5* | 1 | 5 |
| 4X = 20 | 9+ | 9+ | 6 | - | - | - | 8 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 8 | 8 | 1 | 1 | 8 | 9 | 8 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 5 | 1 | 7 | 6 | 4 | 4 | 8 | 8 | 5 | 6 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 5 | 7 | 8 | 6 | - | - | 4 | 6 | 6 | 5 | 6 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9 | 9 | 7 | 3 | 2 | 3 |
| VR2 = 24 | 8 | 8 | 8 | 6 | 1* | - | 3 | 3 | 5 | 6* | 6* | 4* | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 7 |
| JA1 = 25 | 8 | 8 | 8 | 4 | - | - | 2 | 5 | 4 | 8* | 7* | 5 | 5 | 4 | 5 | 7 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 |
| HS = 26 | 7 | 9 | 8 | 5 | 1* | - | 3 | 5 | 7 | 6 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| DU = 27 | 9 | 9 | 8 | 4 | 1* | 2* | 3 | 5 | 5 | 7* | 7* | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| YB = 28 | 2* | 2* | 1* | 1* | - | - | - | 3 | 5 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | 8 | 7 | 3* | - | - | - | 1* | 1* |
| VK6 = 29 | 1* | 1* | 1* | - | - | - | - | 4 | 7 | 6 | 6 | 6 | 1 | - | - | - | - | - | 1* | - | - | - | 2* | 2* |
| VK3 = 30 | 1* | 1* | 1* | 1* | - | - | - | 1* | 9 | 5 | 1* | - | - | - | - | - | - | - | - | - | 3* | 4* | 3* | 2* |
| KH6 = 31 | 6 | 7 | 8 | 8 | 8 | 5 | - | 4* | 5* | 9 | 8 | 7 | 5 | 3 | 4* | 5* | 5 | 6 | 7* | 7* | 6* | 5 | 5 | 5 |
| KH8 = 32 | 6 | 5 | 3* | 2* | - | - | 3* | 3* | 3* | 3* | 4* | 2* | 2* | 3* | 3* | 5* | 4* | - | 7 | 8* | 8* | 6 | 6 | 5 |
| CN = 33 | 5 | 4 | 2 | - | - | - | - | - | 9+ | 9+ | 9 | 9 | 3 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 5 |
| SU = 34 | 9+ | 9+ | 5 | - | - | - | 8 | 9+ | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9 | 9+ | 9 | 7 | 1 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| D2 = 36 | 9+ | 9 | 8 | 5 | - | 2* | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 6 | - | - | 4* | 3* | 1* | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | - | - | - | 3 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 6 | - | - | - | - | - |
| FR = 39 | - | - | 1* | 2* | 1* | - | 2 | 8 | 8 | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 3 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | 1 | - | 1 | 6 | 6 | 5 | 5 | 5 | 4 | 3 | 4 | 4 | 5 | 7 | 8 | 8 | 8 | 7 | 5 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jul., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 1 | - | 1 | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | 2* | 2* | - | - | - | 1 |
| VO2 = 02 | 7 | 6 | 5 | 2 | 2 | - | - | - | 1 | 5 | 8 | 8 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 5 | 5 | 4 | 2 | 4 | - | - | - | 2* | 1* | 1* | - | - | - | 1 | 4 | 2 | 4 | 5 | 5 | 6 | 6 | 6 | 7 |
| W9 = 04 | 3 | 2 | 2 | 1 | 2 | - | - | - | - | - | - | - | 4 | 4 | 1 | 3 | 4 | 5 | 5 | 5 | 6 | 8 | 9 | 5 |
| W3 = 05 | 7 | 6 | 5 | 3 | - | - | - | - | 2 | 2 | 1 | 4 | 4 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 4 | 3 | 2 | 1 | 2 | - | - | 4* | 4* | 2* | 1* | - | 1 | 6 | 6 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 |
| TI = 07 | 8 | 8 | 6 | 4 | - | - | - | 4* | 4* | 4 | - | 5 | 8 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 4 | 1 | 1 | 4 | 7 | 9 | 9+ | 9 | 8 | 4 | - |
| P4 = 09 | - | - | - | - | - | - | - | 2* | - | - | 4 | 9 | 9 | 8 | 8 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9 | 6 | 1 |
| HC = 10 | 9 | 8 | 7 | 4 | 4 | 1 | - | 5* | 1* | - | - | 3 | 6 | 5 | 4 | 4 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 8 | 8 | 3 | - | - | - | 9+ | 5 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 |
| CE = 12 | 9+ | 7 | - | - | - | - | - | - | - | - | - | 1 | 9 | 8 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 6 | - | - | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| G = 14 | 3 | 3 | 1 | - | - | - | - | - | 8 | 6 | 4 | 4 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | 4 |
| I = 15 | 2 | 2 | 1 | - | - | - | - | - | 6 | 4 | 4 | 4 | 2 | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 4 | 2 |
| UA3 = 16 | 6 | 2 | - | - | - | - | - | 2 | 6 | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 7 | 8 | 8 | 8 | 8 | 6 | 8 | 8 |
| UN = 17 | 2 | 2 | 6 | 6 | - | - | 6 | 8 | 7 | 6 | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 |
| UA9 = 18 | - | - | - | 4 | - | - | - | 6 | 7 | 6 | 6 | 5 | 5 | 5 | 6 | 8 | 8 | 8 | 7 | 5 | - | 1* | - |
| UA0 = 19 | - | - | - | 1 | - | - | - | 5 | 3 | 7* | 6* | 5* | 4 | 4 | 5 | 5 | 5 | 2 | 1* | - | 2* | 5* | 1* | - |
| 4X = 20 | 8 | 5 | - | - | - | - | 2 | 2 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 7 | 2 | 1 | - | - | 5 | 8 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| VU = 22 | 6 | 6 | 8 | 8 | - | - | 6 | 7 | 5 | 4 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 8 |
| JT = 23 | 1* | - | 6 | 2 | - | - | 1 | 8 | 5 | 5* | 5* | 4 | 4 | 4 | 6 | 7 | 7 | 7 | 6 | 4 | - | 2* | 3* | 1* |
| VR2 = 24 | 6 | 8 | 8 | 4 | 1* | - | 2 | 5 | 4 | 5* | 7* | 5 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 3 | 2* | 4* |
| JA1 = 25 | 7 | 7 | 6 | 1 | - | - | - | 6 | 5 | 8* | 8* | 6* | 5 | 5 | 6 | 8 | 8 | 7 | 4 | 1 | - | 5* | 8 | 8 |
| HS = 26 | 5* | 8 | 6 | 2* | 1* | - | 1 | 6 | 5 | 5* | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 3* |
| DU = 27 | 8 | 8 | 6 | 2* | 1* | - | 1 | 6 | 5 | 6* | 8* | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 4* | 5 |
| YB = 28 | 1* | 1* | - | - | - | - | - | 5 | 5 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 5 | 4* | - | - | - | - | - | 2* |
| VK6 = 29 | 1* | - | - | - | - | - | - | - | 8 | 8 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 1* | 1* | 1* | - | - | - | - | - | 8 | 1* | - | - | - | - | - | - | - | - | - | - | - | 5* | 3* | 1* |
| KH6 = 31 | 2 | 2 | 2 | 1 | 2 | - | - | 2* | 6* | 9 | 8 | 6 | 4* | 3* | 4* | 3* | 4 | 6 | 6 | 7* | 6 | 6 | 5 | 3 |
| KH8 = 32 | 5 | 3* | 4* | 1* | - | - | 1* | 5* | 5* | 5* | 5* | 4* | 4* | 4* | 5* | 4* | - | - | 8 | 8 | 8 | 7 | 6 | 6 |
| CN = 33 | - | - | - | - | - | - | - | - | - | 2 | - | 8 | 8 | 8 | - | 2 | 4 | 5 | 6 | 6 | 5 | 2 | - | - |
| SU = 34 | 8 | 5 | - | - | - | - | 1 | 9 | 9 | 4 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| 6W = 35 | 6 | 7 | 6 | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 |
| D2 = 36 | 9 | 4 | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 4* | 2* | - | - | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 6 | 9 | 9+ | 9+ | 5 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 4 | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jul., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 1 | 1 | - | - | - | - | - | - | - | - | 3 | 5 | 2 | 2 | 2 | 4 | 5 | 6 | 6 | 7 | 8 | 8 | 5 | 2 |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 1 | 2 | 1 | 1 | 2 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 1 | 3 | 5 | 1 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 3 |
| XE1 = 06 | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | 2 | 2 | 5 | 4 | 6 | 7 | 8 | 7 | 4 | 1 |
| TI = 07 | 2 | 2 | 1 | - | - | - | - | 1* | 1* | - | - | - | 3 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 4 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 4 | 2 | - | - | - | - | 1* | 2* | 2 | 4 | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | - | - | 1* | 1 | 4 | 5 | 6 | 4 | - | - |
| HC = 10 | 4 | 4 | 1 | - | - | - | - | 2* | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 4 | 8 | 9 | 9 | 9 | 7 | 5 |
| PY1 = 11 | 9+ | 9 | 8 | 5 | 3 | - | - | - | - | 5 | - | 4 | 5 | 2 | 1 | 9+ | 9+ | 9+ | 6 | 8 | 8 | 5 | 9+ | 9+ |
| CE = 12 | 6 | - | - | - | - | - | - | - | - | - | - | - | 9 | 8 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 2 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 1 |
| G = 14 | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 | 4 | 5 | 5 | 5 | 8 | 9 | 9 | 7 | 3 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 3 | 4 | 2 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 1 | 1 | - | - | - | 1 | 2 | 3 | 3 | 1 | - | 3 | 1 |
| UN = 17 | - | - | 1 | 1 | - | - | 1 | 8 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 4 | 2 | 1 | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 2 | 2 | 1 | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 2 | 5* | 4* | 2* | 1 | 1 | 1 | 1 | 1 | - | - | - | - | 1* | - | - |
| 4X = 20 | 3 | - | - | - | - | - | - | 9 | 1 | 1 | 5 | 8 | 5 | 2 | 3 | 5 | 5 | 6 | 7 | 8 | 7 | 7 | 7 | 6 |
| HZ = 21 | 7 | 2 | - | - | - | - | - | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VU = 22 | 1 | 4* | 4 | 4 | - | - | 2 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 6 | 5 | 4 |
| JT = 23 | - | - | 1 | - | - | - | - | 5 | 5 | 2 | 4* | 2 | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | 1* | - |
| VR2 = 24 | 2* | 7 | 6 | 1 | - | - | - | 6 | 6 | 6 | 7 | 6 | 6 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 2 | - | - | 2* |
| JA1 = 25 | 3 | 2 | 1 | - | - | - | - | 4 | 2 | 3 | 8* | 5 | 3 | 4 | 5 | 5 | 5 | 1 | - | - | - | 1* | 1 | 4 |
| HS = 26 | 4* | 5 | 4* | 1* | - | - | - | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | 2 | - | 1* |
| DU = 27 | 7 | 6 | 3* | 1* | - | - | - | 7 | 7 | 6 | 8* | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 7 | 5 | 1 | 2* | 5* |
| YB = 28 | - | - | - | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 4* | 4* | 1* | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 5 | 9 | 8 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 1* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 7* | 6 | 5 | 4* | 3* | 2* | 2* | - | - | 4 | 4 | 6* | 5 | 5 | 2 | - |
| KH8 = 32 | 2* | 2* | 2* | - | - | - | - | 6* | 6* | 5* | 5* | 5* | 5* | 4* | 2* | 1* | - | - | 4 | 8 | 8 | 8 | 5 | 4 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 9 | 9+ | 8 | 1 | 1 | - | - | - | - |
| SU = 34 | 3 | - | - | - | - | - | - | 9 | - | - | 1 | 4 | 4 | 1 | 1 | 4 | 4 | 5 | 6 | 7 | 6 | 6 | 6 | 5 |
| 6W = 35 | 1 | 1 | - | - | - | - | - | - | 2 | 9+ | 9+ | 9 | 8 | 5 | 4 | 6 | 6 | 6 | 6 | 7 | 7 | 5 | 1 | 1 |
| D2 = 36 | 3 | - | - | - | - | - | - | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | 1* | - | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 5 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 1 | 2* | 1 | - | - | 1 | 5 | 4 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 2 | 2 | 8 | 6 | 6 | 6 | 7 | 6 | 4 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Aug., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W6 = 03 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 4 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 3 | 5 | 6 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 2 | 3 | 5 | 5 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 1 | 3 | 5 | 5 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 3 | 4 | 3 | 4 | 3 | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 6 | 9 | 9 | 9 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| G = 14 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 |
| I = 15 | 4 | 4 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 |
| UA3 = 16 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| HZ = 21 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Aug., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| W6 = 03 | - | - | - | 2 | 5 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 6 | 7 | 8 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 6 | 8 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | - | 5 | 6 | 8 | 8 | 2 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 4 | 6 | 8 | 8 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 7 | 7 | 7 | 8 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| HC = 10 | 6 | 7 | 6 | 7 | 6 | 4 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 5 | 5 | 6 | 5 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| LU = 13 | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| G = 14 | 7 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 |
| I = 15 | 7 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 |
| UA3 = 16 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 7 | 8 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 7 |
| HZ = 21 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 |
| VU = 22 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 2 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 1 | - |
| VK3 = 30 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | 8 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 |
| SU = 34 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 1 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 7 | 8 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 |
| FJL = 40 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Aug., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 2 | 5 | 4 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 |
| W6 = 03 | 1 | 4 | 6 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 |
| XE1 = 06 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 8 | 7 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 4 | 2 | - |
| 4X = 20 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 8 | 8 | 8 |
| JT = 23 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 5 | 5 | 7 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | - | 2 | 6 | 7 | 5 | 6 | 2 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 3 | 1 | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | - | 1 | 2 | 5 | 5 | 5 | 4 | 1 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 7 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 1 | - |
| KH6 = 31 | - | - | - | - | 5 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 9 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 8 |
| FJL = 40 | 8 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Aug., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 4 | 6 | 6 | 6 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 9 |
| W6 = 03 | 4 | 6 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 7 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 6 | 5 | 8 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 7 | 6 | 2 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 | 5 | 5 | 5 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 4 | 6 | 7 | 5 | 5 | 5 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 | 4 | 1 |
| HS = 26 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | - | - | 4 | - | - | 4 | 6 | 6 | 6 | 6 | 6 | 4 |
| YB = 28 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 7 | 6 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 | 6 | 6 | 2 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 6 | 7 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 6 | 4 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | 1 | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 5 | 1 | 4 | 8 | 6 | 1 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| FR = 39 | 7 | 5 | 1 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 8 | 8 | 8 | 7 |
| FJL = 40 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Aug., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 9 | 7 | 5 | 5 | 1 | - | - | - | - | 1* | 4 | 4 | 5 | 6 | 6 | 6 | 7 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 7 | 5 | 2 | - | - | 1 | 1 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 2 | 2 | 4 | 5 | 8 | 8 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 8 | 5 | 2 | - | - | - | 1 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | 1 | - | 1 | 3 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 2 | 2 | 4 | 7 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | 9 | 9 | 9 | 7 | 3 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | 9 | 9 | 9 | 7 | 4 | 2 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 7 | 8 | 5 | 3 | 1 | - | - | - | 1 | 2 | 7 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9+ | 9+ | 9 | 8 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 7 | 2 | 9 | 7 | 5 | 1 | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 6 | 9+ | 9 | 8 | 4 | 1 | 1 | 1 | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 8 | 9 | 7 | 3 | 1 | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 8 | 9 | 7 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9+ | 9 | 9 | 8 | 2 | 6 | 6 | 5 | 1 | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 9 | 8 | 6 | 5 | 1 | 2 | 1 | 1 | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 6 | 3 | 1 | 2 | 1 | - | 1 | 2* | 4* | 3* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 2 | 1 | - | - | - | 1 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | 1 | 2 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 5 | 4 | 2 | - | - | - | - | 1* | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 6 | 4 | 1 | - | - | - | 1* | 2* | 2* | 1* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 |
| JA1 = 25 | 5 | 1 | 1 | - | - | - | 2* | 3* | 5* | 5* | 2* | - | - | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 5 | 1 | - | - | - | 1* | 1* | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 5 | 2 | - | - | - | - | 2* | 4* | 3* | 1* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 8 | 7 | 2 | - | - | - | - | 2* | 1* | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| VK6 = 29 | 7 | 5 | 4 | 2 | - | - | 1 | 1 | 1 | 1* | - | - | - | 1 | 1 | - | - | - | 4 | 6 | 5 | 1* | 1* | 1* |
| VK3 = 30 | 5 | 3 | 2 | - | 1 | - | 2* | 6 | 6 | 4 | 2 | - | - | - | - | - | 4 | 6 | 5 | 2* | 2* | 3 | 8 | 7 |
| KH6 = 31 | 1 | 4 | 8 | 9 | 9 | 9 | 8 | 7 | 9 | 8 | 6 | 1 | - | - | - | - | 2* | 4* | 5* | 3* | 1* | - | - | - |
| KH8 = 32 | - | 1 | 5 | 8 | 9 | 9 | 8 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | 4* | 6* | 7 | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | 2 | 9+ | 9 | 8 | 6 | 4 | 2 | 2 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 7 | 4 | 1 | - | - | 1 | 1 | 3 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 6 | 7 | 6 | 9 | 8 | 5 | 1 | - | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | 1 | 1 | - | 1* | - | 7 | 9 | 8 | 5 | 4 | 3 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 |
| FR = 39 | 1 | - | - | - | 4 | 5 | 7 | 5 | 2 | - | - | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 |
| FJL = 40 | 9 | 9 | 8 | 8 | 9 | 8 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | 1 | 3 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Aug., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 8 | 8 | 8 | 8 | 4 | 6 | 6* | 5* | 2* | 1 | 1 | - | 1 | 1 | 5 | 7 | 6 | 7 | 7 | 8 | 9 | 9 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 2 | 5 | 9 | 9 | 9 | 8 | 8 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9+ | 9 | 9 | 3 | 4* | 4 | 2* | 1* | - | 1 | 3 | 2 | 2 | 4 | 5 | 5 | 5 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2 | 4 | 4 | 2 | 7 | 7 | 4 | 4 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 1 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2* | 8 | 8 | 3 | 6 | 5 | 2 | 2 | 2 | 5 | 3 | 5 | 5 | 7 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 2 | 2* | 4 | 6 | 4 | 8 | 6 | 5 | 3 | 5 | 4 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1* | 3* | 5 | 9+ | 9+ | 9 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1* | 2* | 5 | 9+ | 9+ | 9 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | 9 | 5 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | - | 1 | - | 9 | 9 | 7 | 5 | 3 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - | - | 9+ | 9 | 8 | 7 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 7 | - | - | 9+ | 9 | 8 | 6 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 1 | - | - | 9+ | 9 | 8 | 6 | 6 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9 | 9 | 9 | 3 | - | 1 | 8 | 7 | 4 | 3 | 4 | 4 | 2 | 6 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 7 | 3 | 6 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| UA9 = 18 | 4 | 6 | 8 | 9 | 2 | - | 2 | 6 | 5 | 4 | 3 | 2 | 1 | 2 | 4 | 4 | 9 | 9 | 9 | 9+ | 9 | 8 | 5 | 4 |
| UA0 = 19 | 8 | 8 | 8 | 7 | 2 | - | 1 | 6 | 6* | 6 | 4* | 2* | 1* | - | 1 | 6 | 8 | 8 | 7 | 6 | 5 | 4 | 7 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9 | 5 | 1 | 9 | 9 | 7 | 5 | 3 | 3 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 8 | 7 | 4 | 8 | 8 | 5 | 5 | 1 | 1 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 |
| JT = 23 | 7 | 8 | 8 | 8 | 2 | - | 4 | 5 | 4 | 9 | 2* | 1 | 2 | 2 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 |
| VR2 = 24 | 9 | 8 | 7 | 5 | 1 | - | - | 1* | 5* | 8 | 4* | 1* | - | 1 | 2 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| JA1 = 25 | 8 | 7 | 5 | 3 | 1* | 2* | 2 | 7 | 6* | 8* | 5* | 3* | 1 | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 7 | 2 | 1 | 2 | 2 | 2 | 9 | 2 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| DU = 27 | 9 | 8 | 5 | 3 | - | - | 2* | 2* | 8 | 8 | 5* | 2* | 1 | 2 | 2 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 8 | 8 | 4 | 1 | - | - | 1 | 1 | 3* | 8 | 3* | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2* | 1* |
| VK6 = 29 | 1* | 1* | - | - | - | - | - | 6 | 7 | 7 | 2 | 2 | 3 | 5 | - | - | 1* | 1* | 1* | - | - | 1* | 1* | 1* |
| VK3 = 30 | 1 | - | - | - | 2* | 2* | - | 5 | 8 | 7 | 5 | 2 | - | - | - | - | 1* | 1 | - | - | 3* | 2* | 5 | 4 |
| KH6 = 31 | 5 | 8 | 9 | 9 | 9 | 9 | 3 | 3* | 7 | 9 | 8 | 7 | 4 | 1 | 1* | 5* | 4* | 8 | 7 | 7* | 4* | 1 | 2 | 3 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 8 | 3 | 3* | 8 | 8 | 4 | 2 | 1 | - | - | 4* | 6* | 7* | 8* | 8* | 7* | 6* | 2 | 2 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 1 | - | - | 5 | 9+ | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 4 | 1* | 9 | 9 | 8 | 5 | 4 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 6 | 2* | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 5 | 2* | 2* | 1* | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | 2* | - | 9+ | 9+ | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | - | - | - |
| FR = 39 | - | - | 1* | 2* | 1* | - | 8 | 8 | 6 | 5 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 5 | - | 1 | - | - |
| FJL = 40 | 2 | - | - | - | 1 | 2 | 2 | 9 | 8 | 8 | 7 | 6 | 4 | 3 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Aug., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 4 | 3 | 1 | 3 | - | - | 5* | 4* | 1* | - | - | - | - | - | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 7 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 8 | 7 | - | - | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 6 | - | 5* | 4* | 3* | 1* | - | - | 1 | 4 | 5 | 8 | 5 | 8 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9+ | 9 | 9 | 8 | 7 | - | - | - | - | - | 4 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9 | 8 | 5 | - | - | 6 | 8 | 6 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9+ | 9 | 9 | 7 | - | 4* | 4* | 4 | 1* | 1 | 6 | 6 | 6 | 6 | 9 | 7 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9 | 8 | 5 | 1* | 4* | 4* | 2* | 1* | 4 | 8 | 6 | 7 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | 8 | 9 | 9 | 9 | 8 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | 4* | 1* | 4 | 9 | 9 | 9 | 8 | 7 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 9 | 8 | 9 | 2 | 4* | 3* | 1* | 3 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 8 | 4 | 9+ | 9+ | 8 | 5 | 6 | 2 | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | 9 | 8 | 7 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 6 | - | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9 | 8 | 8 | - | - | - | 4 | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9 | 9+ | 9+ | 6 | - | - | - | 7 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | 9 | 8 | 6 | 5 | - | - | - | 7 | 8 | 6 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| UN = 17 | 4 | 5 | 9 | 9 | 3 | - | 6 | 7 | 4 | 7 | 8 | 8 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 |
| UA9 = 18 | 1* | 1* | 4 | 8 | - | - | - | 7 | 6 | 6 | 6 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | 1* | 1* |
| UA0 = 19 | 5 | 7 | 7 | 7 | - | - | - | 7 | 5 | 8* | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5* | 5* | 4* | 5* | 4* | 2* | 4 |
| 4X = 20 | 9+ | 9+ | 9 | 3* | 2* | - | 5 | 9 | 8 | 8 | 5 | 6 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 2 | 2 | 1* | 7 | 9 | 7 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9+ | 9 | 9+ | 9 | 9 | 9+ | 9 | 9 |
| VU = 22 | 8 | 8 | 9 | 9 | 6 | 2 | 6 | 4 | 2 | 4 | 8 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 1* | 4 | 8 | 7 | - | - | 2 | 5 | 6 | 5 | 6 | 6 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 4 | 3 | 2* | 1* | 1* |
| VR2 = 24 | 9 | 8 | 9 | 7 | 1 | 1* | 3 | 4 | 5 | 6* | 6* | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 7 | 8 |
| JA1 = 25 | 8 | 8 | 8 | 5 | 1* | - | - | 7 | 4 | 8* | 7* | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 7 | 4 | 5* | 7 | 9 | 9 |
| HS = 26 | 7 | 9 | 9 | 6 | 1* | - | 4 | 4 | 7 | 6 | 7 | 4 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |
| DU = 27 | 9 | 9 | 8 | 5 | 2* | 2* | 4 | 6 | 5 | 8* | 6* | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| YB = 28 | 3 | 2* | 2* | 1* | - | - | 1 | 5 | 5 | 6* | 5* | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | - | 1* | 1* |
| VK6 = 29 | 1* | 1* | 1* | 1* | 1* | - | - | 5 | 6 | 5 | 5 | 5 | 6 | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 1* | 1* | 1* | 2* | 2* | - | - | - | 8 | 6 | 4* | 1* | - | - | - | - | - | - | - | - | 2* | 4* | 3* | 1* |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 6 | - | 3* | 4* | 9 | 8 | 7 | 5 | 3* | 4* | 5* | 5 | 6 | 6 | 7* | 6* | 5 | 6 | 6 |
| KH8 = 32 | 7 | 8 | 8 | 8 | 8 | 4 | 1* | 3* | 3* | 3* | 4* | 3* | 2* | 2* | 4* | 5* | 6* | 2* | 8* | 8* | 8* | 6* | 5* | 6 |
| CN = 33 | 7 | 8 | 7 | 2 | - | - | - | - | 9+ | 9+ | 9 | 4 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 |
| SU = 34 | 9+ | 9+ | 9 | 3* | 2* | - | 4 | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9 | 1 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| D2 = 36 | 9+ | 9+ | 9 | 8 | - | 3* | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 4 | - | 5* | 5* | 2* | 5 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 3* | 1* | - | 6 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5 | - | - | - | - |
| FR = 39 | - | - | 2* | 3* | 3* | - | 5 | 8 | 8 | 6 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 5 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 7 | 8 | 6 | 6 | 5 | 5 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 8 | 7 | 3 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Aug., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 3* | - | 1 | 1 |
| VO2 = 02 | 9 | 8 | 6 | 5 | 2 | 1 | - | - | - | 5 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 8 | 6 | 3 | - | - | 1* | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 6 | 6 | 7 | 8 | 8 | 9 |
| W9 = 04 | 8 | 9 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | 3 | 6 | 4 | 5 | 6 | 6 | 6 | 8 | 9 | 9 | 8 | |
| W3 = 05 | 9 | 9 | 9 | 4 | 4 | - | - | - | - | 1 | - | 5 | 5 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 7 | 1 | - | 5* | 2* | 1* | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 8 |
| TI = 07 | 9 | 9 | 9 | 4 | 4 | - | - | 5* | 2* | - | - | - | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| VP2 = 08 | 2 | 3 | 4 | 1 | 1 | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 4 |
| P4 = 09 | 4 | 6 | 6 | 3 | 1 | - | - | 1* | - | - | 6 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 6 |
| HC = 10 | 9 | 9+ | 9+ | 9 | 8 | 5 | - | 4* | 3* | 1* | - | 5 | 9 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| PY1 = 11 | 9 | 6 | 9+ | 9+ | 9+ | 9 | 3* | - | - | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 7 | 5 | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 4 | - | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 3 | 1 | 1 | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| I = 15 | 4 | 5 | 5 | - | - | - | - | - | 9 | 9 | 9 | 4 | 2 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9 | 8 | 6 | 3 | 2 |
| UA3 = 16 | 2 | - | - | - | - | - | - | 1 | 8 | 7 | 8 | 7 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 7 | 4 | 8 | 6 |
| UN = 17 | 1* | 3* | 4 | 7 | - | - | 3 | 8 | 7 | 6 | 5 | 5 | 7 | 7 | 8 | 8 | 9 | 8 | 8 | 6 | 5 | 2 | - | - |
| UA9 = 18 | 1* | 1* | - | 5 | - | - | - | 4 | 7 | 6 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 | 5 | 2 | - | - | - | - |
| UA0 = 19 | 1* | 1 | 1 | 2 | - | - | - | 4 | 5 | 7* | 7* | 5 | 5 | 4 | 3 | 2 | 1 | - | - | - | 2* | 5* | 3* | 1* |
| 4X = 20 | 9 | 8 | 1 | 1* | 1* | - | - | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| HZ = 21 | 9 | 8 | 4* | 4* | 2* | - | 4 | 9 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 |
| VU = 22 | 2 | 2 | 7 | 8 | 2* | - | 6 | 7 | 5 | 5 | 5 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 5 |
| JT = 23 | 3* | 3* | 1 | 3 | - | - | - | 7 | 5 | 5* | 5* | 4 | 4 | 5 | 5 | 6 | 4 | 2 | - | - | - | - | 3* | 3* |
| VR2 = 24 | 8 | 9 | 8 | 5 | 1* | 1* | 2 | 5 | 4 | 7* | 7* | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 2* | 3* |
| JA1 = 25 | 8 | 8 | 7 | 2 | - | - | - | 6 | 5 | 8* | 8* | 6* | 5 | 5 | 4 | 4 | 4 | 2 | - | - | - | 5* | 5* | 8 |
| HS = 26 | 5* | 8 | 7 | 3* | 1* | 1* | 3 | 6 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4* |
| DU = 27 | 9 | 9 | 8 | 3 | 2* | 2* | 2 | 5 | 5 | 8* | 7* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 4* | 6 |
| YB = 28 | 3* | 3* | 2* | 1* | - | - | - | 5 | 6 | 7* | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 5 | 1 | - | - | - | 3* |
| VK6 = 29 | 2* | 2* | 2* | 1* | - | - | - | - | 7 | 7 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 2* | 1* | 1* | 1* | - | - | - | - | 7 | 5* | 1* | - | - | - | - | - | - | - | - | - | - | 5* | 4* | 2* |
| KH6 = 31 | 6 | 7 | 8 | 7 | 7 | - | - | 3* | 6* | 8 | 6 | 5* | 4* | 3* | 4* | 2* | 5 | 6 | 6 | 7* | 6 | 6 | 6 | 5 |
| KH8 = 32 | 7 | 7 | 5 | 2 | 2 | - | - | 5* | 5* | 5* | 5* | 5* | 4* | 4* | 5* | 5* | 1* | - | 6 | 8* | 8* | 7* | 6 | 6 |
| CN = 33 | - | 1 | - | - | - | - | - | - | 1 | 7 | 1 | 8 | 9 | - | 1 | 4 | 6 | 8 | 8 | 9 | 8 | 5 | 1 | - |
| SU = 34 | 9 | 8 | 1 | 1* | 1* | - | - | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| 6W = 35 | 7 | 9 | 8 | 2 | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| D2 = 36 | 9+ | 8 | 4 | 1 | - | 2* | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 4 | - | - | 5* | 4* | 2* | - | 9+ | 9 | 9 | 8 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 6 | - | - | - | - | - |
| FR = 39 | - | - | - | 1* | 1* | - | - | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 8 | 6 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 3 | 3 | 2 | 4 | 2 | 2 | 4 | 5 | 3 | 1 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Aug., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 3 | 1 | - | - | - | - | - | - | - | 3 | 5 | 3 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 7 |
| W6 = 03 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2* | 4* | 4 | 5 | 5 | 5 | 6 |
| W9 = 04 | 2 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 1 | 2 | 3 | 4 | 5 | 7 | 4 |
| W3 = 05 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | 1 | - | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 6 |
| XE1 = 06 | 2 | 3 | 3 | 1 | 1 | - | - | 1* | - | - | - | - | - | 1 | 3 | 4 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 4 |
| TI = 07 | 6 | 7 | 7 | - | - | - | - | 2* | - | - | - | - | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 6 | 5 | - | - | 2 | 4 | 6 | 7 | 7 | 6 | 2 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 4 | 6 | 2 | 4 | 5 | 7 | 7 | 8 | 7 | 3 | - |
| HC = 10 | 7 | 8 | 7 | 5 | 4 | 1 | - | 4* | 1* | - | - | - | 4 | 4 | 3 | 3 | 5 | 7 | 9 | 9 | 9 | 9 | 8 | 7 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 5 | 1* | - | - | 9 | - | 5 | 5 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 8 | 7 |
| CE = 12 | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9 | 3 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 3 | 1 | 1 | 3 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | 1 | - |
| I = 15 | - | - | - | - | - | - | - | - | 2 | 2 | 2 | - | - | - | - | 2 | 4 | 5 | 6 | 6 | 4 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 5 | 4 | 4 | 3 | 2 | 2 | 1 | 2 | 3 | 5 | 6 | 4 | 1 | - | 1 | - |
| UN = 17 | - | 1* | - | 2 | - | - | - | 8 | 7 | 7 | 8 | 7 | 6 | 6 | 7 | 7 | 6 | 5 | 2 | 1 | - | - | - | - |
| UA9 = 18 | - | - | - | 1 | - | - | - | - | 5 | 4 | 5 | 4 | 4 | 2 | 2 | 3 | 3 | 1 | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 3 | 5* | 6* | 5* | 3* | 2* | - | - | - | - | - | - | - | 2* | 2* | - |
| 4X = 20 | 4 | 3 | - | - | - | - | - | 8 | 6 | 8 | 8 | 8 | 5 | 2 | 2 | 4 | 5 | 6 | 7 | 8 | 7 | 5 | 5 | 4 |
| HZ = 21 | 8 | 4 | 2* | 2* | 1* | - | - | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 1* | 4* | 5* | 5 | 1* | - | 3 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 7 | 5 | 4 | 5 | 4 | 2 | 1 |
| JT = 23 | 3* | - | - | - | - | - | - | 2 | 5 | 2 | 4* | 2 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | 3* |
| VR2 = 24 | 5* | 8 | 7 | 4* | 2* | - | 1 | 6 | 6 | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | - | 1* | 5* |
| JA1 = 25 | 4 | 3 | 3 | - | - | - | - | 1 | 4 | 4 | 8* | 6* | 5* | 4* | 3* | 2* | 1* | - | - | - | - | - | 5* | 4* |
| HS = 26 | 5* | 6 | 6* | 5* | 2* | 1* | - | 7 | 6 | 6 | 6* | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | 3* |
| DU = 27 | 8 | 8 | 5* | 4* | 3* | 1* | 1 | 7 | 7 | 5* | 8* | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 2 | 4* | 6* |
| YB = 28 | 1* | 1* | 1* | - | - | - | - | 2 | 6 | 6 | 7* | 7 | 7 | 7 | 6 | 5 | 5 | 4* | - | - | - | - | - | 3* |
| VK6 = 29 | 1* | - | - | - | - | - | - | - | 6 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | 1* | 1* | - | - | - | - | - | - | 2 | 1* | - | - | - | - | - | - | - | - | - | - | - | 5* | 3* | 1* |
| KH6 = 31 | 1 | 3 | 4 | 2 | 2 | - | - | - | 6* | 6* | 6* | 5* | 4* | 2* | 1* | - | 2 | 5 | 6 | 6 | 6 | 6 | 5 | 2 |
| KH8 = 32 | 7 | 5 | 2* | 1* | - | - | - | 5* | 7* | 6* | 6* | 5* | 5* | 5* | 5* | 2* | - | - | 5 | 8 | 8 | 8 | 6 | 7 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 9 | 9 | 1 | 3 | 4 | 5 | 3 | - | - | - |
| SU = 34 | 2 | 3 | - | - | - | - | - | 6 | 6 | 3 | 5 | 8 | 4 | 1 | 1 | 2 | 4 | 5 | 5 | 7 | 6 | 4 | 3 | 2 |
| 6W = 35 | 1 | 4 | 3 | - | - | - | - | - | 1 | 9+ | 9 | 8 | 5 | 5 | 5 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 1 | 1 |
| D2 = 36 | 8 | 1 | - | - | - | - | - | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 4* | 2* | 1* | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 1 | 6 | 5 | 3 | 1 | - | 4 | 6 | 7 | 4 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 5 | 8 | 8 | 7 | 5 | 5 | 6 | 7 | 7 | 4 | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Sep., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 6 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W6 = 03 | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 4 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | - | 3 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 4 | 4 | 4 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 4 | 4 | 3 | 3 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| P4 = 09 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| HC = 10 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 |
| CE = 12 | 3 | 3 | 2 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 6 | 5 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| G = 14 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| I = 15 | 4 | 4 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| UA3 = 16 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 5 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 4 |
| HZ = 21 | 5 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 5 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 |
| SU = 34 | 4 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 | 6 |
| FR = 39 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 6 |
| FJL = 40 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Sep., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| W6 = 03 | - | - | 1 | 2 | 6 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 7 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | 1 | 2 | 6 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 7 | 7 | 7 | 2 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 8 | 8 | 7 | 7 | 6 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| P4 = 09 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 |
| HC = 10 | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ |
| CE = 12 | 6 | 6 | 5 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| LU = 13 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| G = 14 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 5 | 7 |
| I = 15 | 7 | 7 | 8 | 8 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 6 | 8 |
| UN = 17 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 6 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 7 |
| HZ = 21 | 8 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 8 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 5 | 4 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 1 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 |
| SU = 34 | 7 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 1 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 |
| FR = 39 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 7 | 7 | 8 | 9 |
| FJL = 40 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Sep., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | 1 | 2 | 5 | 5 | 6 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 |
| W6 = 03 | 1 | 5 | 6 | 7 | 8 | 8 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 9 | 8 | 8 | 9 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 |
| XE1 = 06 | 7 | 7 | 8 | 7 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 |
| LU = 13 | 9 | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 7 | 7 | 8 | 8 |
| UA9 = 18 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 | 8 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 3 | - |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 8 | 5 | 6 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 7 | 2 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 5 | 1 | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - | - | - | 3 | 6 | 7 | 5 | 4 | 1 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 7 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 2 | 1 | - |
| KH6 = 31 | - | - | - | - | 5 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Sep., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | 4 | 5 | 6 | 7 | 7 | 6 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 7 | 2 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 9 | 9 |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 6 | 6 | 8 | 7 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 | 7 | 1 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 6 | 8 | 8 | 7 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 5 | 5 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 | 5 | 1 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | - | - | - | 4 | 6 | 7 | 6 | 6 | 6 | 5 |
| YB = 28 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 6 | 6 | 6 | 5 | 1 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 1* | - | 5 | 3 | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 2 | 1 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 9 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 7 | 7 | 3 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Sep., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 2 | - | - | - | - | 1 | 4 | 5 | 5 | 6 | 6 | 7 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | - | - | - | 2 | 2 | 4 | 5 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 4 | 2 | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9 | 9 | 6 | 2 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9 | 9 | 6 | 2 | 2 | 1 | 1 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | - | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | 1 | - | 1 | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | 1 | 1 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| UN = 17 | 9 | 9 | 9 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| UA9 = 18 | 8 | 9 | 9 | 8 | 5 | 4 | 2 | 1 | 1 | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA0 = 19 | 7 | 5 | 3 | 2 | 1 | 1 | 1 | 3* | 9 | 2* | 1* | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 9 | 8 | 5 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 6 | 5 | 1 | - | - | - | 1* | 2* | 2* | 1* | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 5 | 2 | 1 | 1 | - | 1* | 3* | 5* | 8 | 4* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| HS = 26 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 1* | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 5 | 2 | - | - | - | - | 2* | 4* | 4* | 1* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 8 | 7 | 4 | - | - | - | - | 1* | 2* | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 6 | 3 | 1 | - | - | - | 1* | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 8 | 5 | 2 | 7 |
| VK3 = 30 | 7 | 2 | 2 | 1 | 1 | 2 | 5 | 6 | 7 | 2 | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 8 | 8 | 8 | 8 |
| KH6 = 31 | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | 3* | 4* | 5* | 4* | 1* | - | - | - |
| KH8 = 32 | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 4* | 6* | 8 | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9+ | 9 | 8 | 6 | 3 | 2 | 1 | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | 1 | - | 1 | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9 | 8 | 4 | 2 | 4 | 9+ | 9 | 8 | 5 | 3 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 7 | 5 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | 1 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| FJL = 40 | 8 | 6 | 2 | 2 | 6 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Sep., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 5* | 4* | 2* | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9 | 9+ | 9+ | 9 | 9 | 5 | 7 | 9 | 9 | 9 | 8 | 5 | 3 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4 | 8 | 6 | 1* | - | 3 | 1 | 1 | 1 | 2 | 2* | 2 | 3 | 4 | 7 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 6 | 8 | 7 | 1 | 8 | 5 | 3 | 1 | 2 | 5 | 4 | 6 | 7 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 5 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 4 | 9 | 7 | 1* | 5 | 5 | 3 | 1 | 1 | 4 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 2* | 9 | 7 | 8 | 8 | 5 | 2 | 1 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2* | 2* | 5 | 9+ | 9+ | 9 | 8 | 6 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 1* | 5 | 9 | 9 | 9 | 7 | 7 | 6 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 9 | 6 | 8 | 8 | 6 | 4 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 6 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 8 | 6 | 4 | 2 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ | 9 | 8 | 6 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 6 | 9 | 9 | 8 | 5 | 5 | 1 | 3 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 8 | 3* | 6 | 9+ | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 8 | 6 | 2 | 7 | 9 | 7 | 5 | 6 | 3 | 5 | 3 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| UN = 17 | 8 | 8 | 9 | 9 | 8 | 6 | 5 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | - | 4 | 9 | 9 | 7 | 1 | 6 | 6 | 5 | 9 | 3 | 1 | 1 | 1 | 2 | 7 | 9 | 9 | 9 | 9 | 7 | 4 | 1* | - |
| UA0 = 19 | 9 | 8 | 8 | 7 | 6 | 2 | 6 | 5 | 7* | 6* | 4* | 1* | - | 1 | 1 | 5 | 5 | 5 | 5* | 4* | 2* | 5 | 8 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 8 | 9 | 7 | 6 | 5 | 4 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 8 | 9 | 7 | 8 | 8 | 5 | 5 | 2 | 2 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | 2 | - | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| JT = 23 | 5 | 9 | 9 | 8 | 6 | 2 | 5 | 2 | 3* | 8 | 2 | 1 | 1 | 1 | 3 | 7 | 8 | 8 | 7 | 8 | 7 | 5 | 1 | 2 |
| VR2 = 24 | 8 | 8 | 8 | 5 | 2 | - | 1* | 3* | 8 | 8 | 4* | 1* | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 8 | 9 |
| JA1 = 25 | 8 | 6 | 5 | 3 | 2 | 4* | 5* | 7* | 8* | 7* | 5* | 2* | - | 1 | 1 | 6 | 7 | 8 | 7 | 5 | 7 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 9 | 8 | 5 | 1 | 1 | 2 | 3* | 9 | 2* | 2 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| DU = 27 | 9 | 8 | 7 | 2 | 1 | - | 3* | 4* | 7 | 8 | 5* | 2* | 1 | 1 | 3 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 5 | 1 | - | 1 | 1 | 4* | 8 | 2* | 2 | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 8 | 8 |
| VK6 = 29 | 8 | 8 | 6 | 2 | - | - | 3 | 5 | 8 | 8 | 2* | 1 | 4 | 4 | 5 | 1 | 1* | 2* | 2* | 1* | - | 2* | 1* | 1* |
| VK3 = 30 | 8 | 7 | 5 | 4 | 2 | 3* | 4 | 8 | 6 | 5 | 4 | 2 | 1 | - | - | 1 | 2 | 2* | 2* | 3* | 4* | 7 | 8 | 8 |
| KH6 = 31 | 5 | 8 | 9 | 9 | 9 | 9 | 4 | 2 | 9 | 9 | 8 | 7 | 3 | - | - | 4* | 4* | 7 | 7 | 7* | 5* | 2 | 2 | 3 |
| KH8 = 32 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | 5* | 6* | 7* | 8* | 8* | 7* | 6* | 2* | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | - | 2* | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9+ | 9 | 8 | 6 | 5 | 4 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 3* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 7 | 6 | 2 | 9+ | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 6 | 3 | 1 | 2* | 2* | 2* | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 5 | 1 | 1* | 6 | 5 | 6 | 8 | 7 | 5 | 5 | 4 | 4 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| FJL = 40 | 1* | 1* | 1* | 1* | 1* | 2 | 8 | 8 | 8 | 7 | 6 | 3 | 3 | 2 | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 7 | 2 | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Sep., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 6 | 5 | 3 | 1 | 2 | 6* | 1* | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 8 | 8 | 8 | 6 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 8 | - | 2 | 2 | 9 | 9 | 9 | 7 | 7 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9+ | 9 | 9 | 8 | 8 | 1* | 2* | 5 | 2 | - | - | - | 5 | 5 | 4 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 8 | 8 | 8 | - | - | 3 | 2 | - | 5 | 7 | 5 | 4 | 5 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9 | 9 | 9 | 9 | 7 | - | - | 7 | 5 | 7 | 9 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 1* | 4* | 6 | 2* | 1* | - | 6 | 5 | 4 | 5 | 8 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9+ | 8 | 7 | 2* | 4* | 6 | 2* | - | 8 | 7 | 6 | 5 | 6 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 2* | - | - | 7 | 9+ | 9 | 9 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 2* | 2* | 1* | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 9 | 9 | 9+ | 5 | 4* | 5 | 2* | 9 | 9 | 8 | 6 | 6 | 5 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 4 | - | 9+ | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 3* | 5 | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 8 | 7 | 6 | 2 | - | 1* | 9+ | 9 | 9 | 8 | 6 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 8 | 2 | 2* | 1* | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 8 | 3 | 3* | 2* | 1* | 3 | 9 | 8 | 7 | 7 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 |
| UN = 17 | 5 | 6 | 9 | 9 | 7 | 2 | 7 | 5 | 4 | 7 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 8 | 8 | 7 | 8 | 7 | 6 |
| UA9 = 18 | - | - | 5 | 9 | 2 | 1* | 2 | 6 | 5 | 4 | 4 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 6 | 1 | - | - | - | - |
| UA0 = 19 | 8 | 9 | 8 | 8 | 4 | 1* | 3 | 8 | 8* | 7* | 5 | 5 | 2* | 1 | 3 | 2* | 3* | 4* | 3* | 3* | 4* | 3* | 2 | 7 |
| 4X = 20 | 9+ | 9+ | 9+ | 6 | 5 | 2* | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 4 | 7 | 2 | 7 | 8 | 7 | 5 | 4 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 6 | 7 | 9 | 9 | 8 | 4 | 7 | 4 | 2 | 2 | 7 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| JT = 23 | - | 7 | 9 | 8 | 3 | 1* | 5 | 5 | 5 | 4* | 5 | 4 | 4 | 5 | 6 | 7 | 7 | 2 | 1* | 1 | - | 1* | - | - |
| VR2 = 24 | 9 | 8 | 8 | 6 | 4 | 2* | 3 | 3 | 6* | 7* | 5 | 3 | 2* | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 6 | 7 |
| JA1 = 25 | 8 | 7 | 8 | 6 | 4* | 4* | 4* | 6* | 7* | 8* | 6* | 5 | 2* | 2 | 3 | 4* | 4* | 5* | 2* | 1* | 2* | 6 | 9 | 9 |
| HS = 26 | 7 | 9 | 9 | 8 | 4 | 1 | 4 | 5 | 6 | 6 | 6 | 4 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 5 |
| DU = 27 | 9 | 8 | 8 | 7 | 3 | 3* | 3 | 4 | 6* | 7* | 6* | 5 | 3 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 5 | 9 |
| YB = 28 | 9 | 9 | 7 | 2 | - | - | 2 | 2 | 5 | 5 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 3 |
| VK6 = 29 | 1 | 6 | 1 | - | 1* | 1* | 1 | 6 | 5 | 5 | 5 | 4 | 5 | 4 | - | 1* | 2* | 2* | 1* | - | - | 1* | 1* | 1* |
| VK3 = 30 | 8 | 5 | 2 | 1 | 3* | 2* | 1 | 8 | 7 | 6 | 4 | 2 | 1 | - | - | 1* | 1* | 1* | - | 1* | 5* | 3* | 6 | 8 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 8 | 1* | 2* | 4* | 9 | 8 | 6 | 2* | 3* | 4* | 4* | 4 | 5 | 7* | 8* | 6* | 5 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 2 | 4* | 5* | 6* | 5 | 8* | 8* | 8* | 6* | 5 | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 3 | - | 1* | 4* | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 5 | 2* | 9 | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 4* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 2* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 5* | 5* | 2* | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 1* | - | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 |
| FR = 39 | - | - | 2* | 2* | 1* | 1 | 8 | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 |
| FJL = 40 | - | 1* | 1* | 1* | 1* | - | 3 | 5 | 7 | 7 | 6 | 6 | 5 | 4 | 5 | 6 | 8 | 8 | 9 | 8 | 3 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Sep., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1* | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | 1 | 4* | 5* | 5* | 3 | 2* |
| VO2 = 02 | 7 | 6 | 6 | 6 | 5 | 4 | - | - | - | 4 | 6 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 9 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 6 | 6 | 5 | 4 | 3 | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | |
| W3 = 05 | 9 | 8 | 8 | 8 | 8 | 1 | - | - | 2 | - | - | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 9 | 9 | 9 | 7 | 1 | - | 4* | 2* | - | - | - | 7 | 7 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 5 | - | 1* | 5* | 5* | 1* | - | - | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 7 | 8 | 8 | 6 | 2 | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 6 |
| P4 = 09 | 6 | 8 | 8 | 6 | 2 | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 6 |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1* | 5* | 5* | 2* | - | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 5 | 9+ | 9+ | 9 | 8 | 9 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2* | 1* | - | - | 6 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 6 | 2 | 2* | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 2 | 2 | 1 | - | - | - | - | 1 | 3 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 4 |
| I = 15 | 7 | 8 | 7 | 2 | - | - | - | 7 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 | 5 | 5 | 6 |
| UA3 = 16 | 4 | 1 | - | 1* | 1* | - | - | 7 | 8 | 8 | 7 | 6 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 6 | 1 | 5 | 6 | 5 |
| UN = 17 | 1 | 2* | 6 | 9 | 3 | - | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | 3 | 2 | 1 |
| UA9 = 18 | 2* | 3* | 2* | 6 | 1* | - | - | 8 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | 1* |
| UA0 = 19 | 6 | 8 | 8 | 6 | 1* | - | - | 8 | 7* | 7 | 6 | 6 | 5 | 2 | 2* | 1* | 1* | 1* | - | - | 4* | 4* | 3* | 2* |
| 4X = 20 | 9+ | 9+ | 8 | 5* | 3* | 1* | 2 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ |
| HZ = 21 | 9 | 9 | 6 | 4* | 3* | 1* | 4 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 1* | 2* | 8 | 9 | 6 | 1* | 5 | 6 | 6 | 4 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| JT = 23 | 2* | 2* | 8 | 7 | 1* | - | 1 | 8 | 5 | 6* | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 8 | 9 | 8 | 7 | 2 | 2* | 3 | 4 | 3 | 7* | 6* | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3* | 4* |
| JA1 = 25 | 8 | 8 | 7 | 4 | 2* | 1* | 1* | 7 | 8* | 8* | 7* | 6* | 4* | 4* | 3* | 4* | 5* | 3* | - | - | 3* | 5* | 8 | 9 |
| HS = 26 | 4* | 9 | 9 | 7 | 2* | 2* | 2 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4* |
| DU = 27 | 9 | 9 | 8 | 7 | 4* | 4* | 2 | 6 | 5 | 8* | 7* | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4* | 6 |
| YB = 28 | 7 | 8 | 3 | 2* | 1* | - | 1 | 5 | 5 | 6* | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | 4* | 3* |
| VK6 = 29 | 2* | 2* | 2* | 1* | 1* | - | - | 6 | 6 | 7* | 5 | 5 | 3 | 2* | 2* | 1* | 1* | - | - | - | - | - | 4* | 2* |
| VK3 = 30 | 6 | 2 | 2* | 2* | 3* | - | - | 2 | 6 | 5* | 5* | 4* | 2* | 2* | 1* | 1* | - | - | - | - | 4* | 5* | 4* | 5 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 8 | 2 | - | 4* | 5* | 8 | 6 | 4 | 4* | 5* | 4* | 1* | 5 | 6 | 6 | 8* | 7* | 6 | 5 | 5 |
| KH8 = 32 | 7 | 8 | 8 | 8 | 9 | 8 | 2 | 6* | 6 | 9 | 8 | 5 | 5* | 5* | 5* | 5* | 1* | 5 | 6 | 9* | 8* | 6* | 6 | 6 |
| CN = 33 | 7 | 7 | 7 | 4 | - | - | - | - | 9+ | 9+ | 7 | 5 | 5 | 5 | 6 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5 | 6 |
| SU = 34 | 9+ | 9+ | 9 | 4* | 4* | 2* | 1 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9+ |
| 6W = 35 | 9 | 9 | 9 | 9 | 2 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 8 |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 1* | 3* | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 6 | 1 | 5* | 5* | 3* | - | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 3 | 4 | - |
| FR = 39 | - | - | 3* | 2* | 1* | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 4 | 3 | 3 | 2 | 3 | 4 | 1 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Sep., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 4* | 2* | 1* |
| VO2 = 02 | 2 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| W6 = 03 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| W9 = 04 | 7 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 6 | 4 | 4 | 4 | 4 | - | - | - | - | - | - | 3 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 9 |
| XE1 = 06 | 5 | 6 | 6 | 5 | 2 | - | - | 1* | - | - | - | - | - | 8 | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | 5 |
| TI = 07 | 7 | 8 | 8 | 7 | - | - | - | 5* | 1* | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| VP2 = 08 | 1 | 2 | 2 | - | - | - | - | - | - | - | 5 | 9 | 9 | 5 | 4 | 4 | 5 | 7 | 8 | 8 | 8 | 6 | 4* | 2* |
| P4 = 09 | 1* | 1 | 1 | - | - | - | - | - | - | - | - | 9 | 9 | 6 | 5 | 5 | 5 | 7 | 8 | 8 | 8 | 6 | 5* | 4* |
| HC = 10 | 8 | 9 | 9 | 8 | 6 | 2 | - | 4* | 5* | 2* | - | 9 | 9 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| PY1 = 11 | 9 | 8 | 9+ | 9+ | 9+ | 9 | 5 | 2 | 1 | 9+ | 2 | 4 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 6 | 1 | 1* | - | - | - | - | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 8 | 3 | 1 | - | - | - | - | - | 6 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 7 | 1 | - | - |
| I = 15 | 1 | 1 | 2 | - | - | - | - | - | 9+ | 9 | 2 | 2 | 2 | 2 | 3 | 2 | 4 | 4 | 4 | 5 | 2 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 5 | 5 | 3 | 5 | 5 | 6 | 5 | 4 | - | - | - | 1 | - |
| UN = 17 | 1* | 4* | 4* | 7 | 1* | - | 2 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 2 | 1 | - | - | - | - | - | - |
| UA9 = 18 | 3* | 4* | 2* | 1* | - | - | - | 2 | 8 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 3* | 5 | 6 | 3 | - | - | - | 4 | 7 | 7 | 6 | 5 | 3 | 1* | - | - | - | - | - | 1* | 5* | 4* | 4* |
| 4X = 20 | 8 | 9 | 2 | 2* | 2* | - | - | 9 | 9 | 9 | 8 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 5 | 3 | 2 | 5 | 7 |
| HZ = 21 | 9 | 8 | 4* | 4* | 4* | 2* | - | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 |
| VU = 22 | 2* | 3* | 4 | 8 | 2* | 1* | 4 | 7 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 9 | 8 | 8 | 4 | - |
| JT = 23 | 4* | 4* | 3 | 3 | - | - | - | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | 2* | 3* |
| VR2 = 24 | 6 | 9 | 8 | 6 | 2* | 2* | 1 | 5 | 5 | 7* | 7* | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 4* | 5* |
| JA1 = 25 | 7 | 6 | 6 | 1 | 1* | - | - | 5 | 7 | 8* | 8* | 7* | 5* | 4* | 4* | 5* | 4* | 1* | - | - | 1* | 4* | 5* | 6 |
| HS = 26 | 5* | 8 | 8 | 4 | 3* | 2* | 1 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | - | 5* |
| DU = 27 | 9 | 9 | 8 | 5 | 4* | 3* | 1 | 6 | 7 | 7 | 8* | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1* | 5* | 6* |
| YB = 28 | 2 | 3 | 2* | 1* | - | - | - | 3 | 5 | 6 | 7* | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 1 | - | 2* | 2* |
| VK6 = 29 | 2* | 2* | 2* | 2* | 1* | - | - | - | 5 | 6* | 5* | 4 | 2* | 1* | 1* | - | - | - | - | - | - | - | 4* | 3* |
| VK3 = 30 | 2 | 2* | 2* | 3* | 1* | - | - | - | 4 | 5* | 4* | 3* | 2* | 1* | - | - | - | - | - | - | 1* | 5* | 4* | 3* |
| KH6 = 31 | 4 | 6 | 7 | 5 | 3 | - | - | 2* | 6* | 7 | 6* | 5* | 5* | 5* | 3* | - | 1 | 5 | 8 | 8 | 7* | 6* | 4 | 3 |
| KH8 = 32 | 8 | 8 | 8 | 6 | 7 | 4 | - | 6* | 6* | 8 | 6* | 6* | 5* | 5* | 5* | 2* | - | 4 | 7 | 8* | 7 | 7 | 7 | 7 |
| CN = 33 | 1 | 1 | 1 | - | - | - | - | - | 1* | 1 | - | - | - | 1 | 1 | 1 | 3 | 4 | 4 | 6 | 3 | 9+ | - | - |
| SU = 34 | 7 | 8 | 5 | 1* | 2* | - | - | 9 | 9 | 9 | 8 | 5 | 4 | 3 | 3 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 4 | 6 |
| 6W = 35 | 3 | 5 | 5 | 4 | - | - | - | - | 6 | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 5 | 5 | 5 | 8 | 7 | 4 | 2 | 1 |
| D2 = 36 | 9+ | 9 | 8 | 4 | - | 1* | - | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 3 | - | - | 5* | 5* | 2* | - | 3 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | 4 | 6 | 5 | 2 | - | - | 2 | 4 | 6 | 6 | 5 | 1 | - | - | - | - |
| FR = 39 | - | - | 3* | 1* | - | - | - | 7 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Oct., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W6 = 03 | - | - | - | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 4 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | - | - | 2 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | - | 3 | 5 | 3 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 4 | 3 | 4 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 |
| P4 = 09 | 5 | 4 | 3 | 4 | 4 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 4 | 3 | 3 | 4 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 6 | 6 | 9 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 |
| CE = 12 | 4 | 1 | 1 | 3 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| G = 14 | 4 | 4 | 5 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 |
| I = 15 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 3 |
| UA3 = 16 | 3 | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 |
| UN = 17 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 3 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 4 |
| HZ = 21 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 2 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 |
| SU = 34 | 4 | 3 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| FJL = 40 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Oct., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| W6 = 03 | - | - | 2 | 5 | 6 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 7 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 |
| XE1 = 06 | 1 | 1 | 5 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 3 | 6 | 8 | 6 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 7 | 6 | 7 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 |
| P4 = 09 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| HC = 10 | 7 | 6 | 6 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ |
| CE = 12 | 7 | 4 | 4 | 6 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| LU = 13 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| G = 14 | 7 | 7 | 8 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 7 |
| I = 15 | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 6 |
| UA3 = 16 | 6 | 8 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 |
| UN = 17 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 6 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 7 |
| HZ = 21 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 |
| VU = 22 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 5 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 2 | 2 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | - | - |
| VK3 = 30 | - | 4 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 |
| SU = 34 | 7 | 6 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 7 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 |
| FJL = 40 | 6 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Oct., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1 | 4 | 5 | 5 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| W6 = 03 | 3 | 6 | 7 | 8 | 8 | 8 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| HC = 10 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 5 | 1 |
| 4X = 20 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 5 | 6 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 3 | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - | - | - | 2 | 6 | 7 | 4 | 4 | 1 |
| YB = 28 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 1 | - | - |
| KH6 = 31 | - | - | - | 1 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Oct., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 6 | 7 | 7 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 2 | 3 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| W6 = 03 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 |
| LU = 13 | 9 | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 8 | 9 |
| UA9 = 18 | 7 | 8 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 8 | 7 | 7 | 8 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 5 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 7 | 7 | 7 |
| JT = 23 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 7 | 1 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 5 | - | - | - | 2 | 7 | 7 | 8 | 6 | 6 | 6 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 1 | - |
| KH6 = 31 | - | - | 1 | 6 | 7 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1* | - | 6 | 6 | 5 | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 2 | 1 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Oct., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 6 | 4 | 2 | - | - | - | - | 1* | 4 | 6 | 6 | 7 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 1 | - | - | - | - | 1 | 1 | - | 2 | 5 | 7 | 8 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 5 | 5 | 2 | - | - | - | - | 2 | 3 | 5 | 6 | 8 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 4 | - | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 8 | 5 | 2 | - | - | - | - | - | 2 | 4 | 7 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 7 | 5 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 5 | 2 | 1 | 1 | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | 1 | - | 1 | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 4 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9 | 9+ | 9+ | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| UA9 = 18 | 6 | 8 | 9 | 8 | 8 | 5 | 5 | 2 | 2 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA0 = 19 | 8 | 6 | 5 | 5 | 4 | 4 | 2 | 7 | 8 | 2* | 1* | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 7 | 8 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 8 | 5 | 1 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| JT = 23 | 9 | 9 | 8 | 6 | 5 | 3 | 2 | 1 | 1 | 1* | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 8 | 5 | 2 | - | - | - | 1* | 2* | 2* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 6 | 4 | 2 | 1 | 1 | 1 | 4* | 6* | 8 | 4* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 8 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 5 | 2 | - | - | - | 1* | 1* | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 3 | 1 | - | - | - | 3* | 4* | 4* | 1* | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 8 | 7 | 4 | - | - | - | - | 1* | 1* | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 6 | 3 | 1 | - | - | - | 1* | 1* | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VK3 = 30 | 5 | 4 | 2 | 2 | 1 | 1 | 2 | 5 | 8 | 1 | - | - | - | - | - | - | 4 | 5 | 5 | 6 | 8 | 8 | 8 | 7 |
| KH6 = 31 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | 2* | 4* | 5* | 5* | 2* | - | - | 1 |
| KH8 = 32 | - | - | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | 4* | 5* | 8 | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9+ | 9 | 8 | 5 | 3 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | 1 | - | - | 1 | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | 1 | - | - | 1 | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 8 | 6 | 7 | 9+ | 9+ | 9 | 8 | 6 | 3 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FJL = 40 | 8 | 6 | 2 | 1* | 1* | 5 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Oct., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 9 | 9 | 9 | 9 | 8 | 7 | 3* | 4* | 1 | 2 | 1 | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 | 8 | 9 | 9 | 8 | 5 | 4 | 2 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 6 | - | - | - | 1 | 1 | - | 3 | 9 | 3 | 3 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 1 | - | 8 | 5 | 3 | 1 | 1 | 4 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 5 | 7 | 8 | 5 | 9 | 8 | 6 | 3 | 2 | 2 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 2* | - | 1 | 5 | 2 | 1 | 2 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2* | 1* | 8 | 8 | 6 | 5 | 3 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | 2 | - | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | - | 9 | 9+ | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 7 | 9 | 8 | 7 | 5 | 3 | 2 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 5 | 2 | 3 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 7 | 2 | 6 | 9+ | 9 | 8 | 7 | 5 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 5 | 5* | 7 | 9+ | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 8 | 5 | 2 | 8 | 9 | 8 | 8 | 5 | 5 | 2 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 | 9 |
| UN = 17 | 8 | 8 | 9 | 9 | 9 | 7 | 7 | 5 | 3 | 2 | 5 | 1 | 2 | 2 | 4 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 |
| UA9 = 18 | - | - | 8 | 9 | 8 | 2* | 7 | 7 | 5 | 7 | 4 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 8 | 8 | 7 | 6 | 1 | - |
| UA0 = 19 | 9 | 8 | 8 | 8 | 8 | 4* | 7 | 7* | 7* | 5* | 4 | 1* | 1 | 1 | 1 | 4 | 3 | 3 | 1 | 3* | 2* | 2* | 7 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 9 | 9 | 8 | 7 | 5 | 4 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 8 | 5 | 5 | 2 | 4 | 6 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 5 | 3 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | 2 | 4 | 1 | 2 | 3 | 3 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 |
| JT = 23 | 6 | 9 | 9 | 8 | 7 | 2 | 6 | 5 | 5 | 7 | 3 | - | - | 2 | 3 | 7 | 6 | 4 | 7 | 7 | 6 | 4 | 1 | 2 |
| VR2 = 24 | 8 | 9 | 8 | 6 | 3 | 1 | 2* | 4* | 7 | 8 | 4* | 1* | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 4 | 7 |
| JA1 = 25 | 8 | 7 | 6 | 5 | 5 | 5* | 7* | 8* | 8* | 7* | 5* | 1 | 1 | 1 | 1 | 1 | 2 | 5 | 6 | 2* | 2* | 6 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | 2 | 2 | 9 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 9 | 8 | 7 | 5 | 1 | 1* | 4* | 5* | 7 | 8 | 5* | 2* | 1 | 1 | 3 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 7 | 2 | - | 1 | 1* | 3* | 9 | 2* | 2* | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 9 | 8 | 8 | 7 | 2 | 3 | 5 | 5 | 8 | 8 | 2* | 1 | 2 | 2 | 2 | 4 | 2* | 3* | 4* | 4* | 5 | 3* | 1* | 5 |
| VK3 = 30 | 8 | 7 | 5 | 4 | 2 | 5 | 7 | 6 | 6 | 5 | 3 | 2 | 1 | 1 | 1 | 1 | 3* | 5* | 5* | 6* | 6 | 8 | 8 | 8 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9+ | 9+ | 8 | 7 | 9 | 9 | 7 | 5 | - | - | - | 2* | 2 | 7 | 8* | 8 | 5* | 2 | 3 | 4 |
| KH8 = 32 | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 4* | 6* | 7* | 8* | 8* | 7* | 6* | 1 | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | - | - | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9+ | 9+ | 9 | 7 | 6 | 5 | 5 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 8 | 5 | 2 | 1* | 3* | 2 | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 3 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FJL = 40 | - | 1* | 1* | 1* | 2* | 2* | 5 | 9 | 9 | 6 | 7 | 4 | 2 | 2 | 2 | 6 | 7 | 9 | 9 | 9 | 9 | 6 | 1 | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Oct., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 9 | 8 | 8 | 6 | 2 | 1* | 4* | 2* | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 | 8 | 9 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 9 | 8 | 2 | 3 | - | 9 | 9 | 9 | 7 | 7 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 6 | 5 | 2* | 1 | 5 | 1 | - | - | - | 5 | 4 | 4 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 8 | 8 | 8 | 1 | 2 | 2 | - | - | 4 | 7 | 5 | 4 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | - | 1 | 4 | - | 5 | 9 | 8 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 3* | 3* | 1* | 1* | - | 7 | 5 | 3 | 4 | 8 | 5 | 6 | 8 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 3* | 3* | 2* | - | 8 | 7 | 6 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | 8 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 2* | 8 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 7 | 6 | 7 | 6 | 1 | - | - | 9+ | 9 | 9 | 8 | 7 | 5 | 7 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 8 | - | 5* | 5* | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 7 | 3 | 4* | 5* | 3* | 4 | 9 | 9 | 8 | 6 | 9 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9 | 5 | 7 | 8 | 8 |
| UN = 17 | 3 | 5 | 8 | 9 | 8 | 3 | 7 | 6 | 5 | 5 | 7 | 5 | 5 | 5 | 7 | 8 | 9 | 8 | 4 | 1 | 1 | 6 | 6 | 5 |
| UA9 = 18 | - | - | 2 | 9 | 4 | 2* | 4 | 8 | 6 | 5 | 3 | 5 | 4 | 5 | 6 | 8 | 8 | 6 | 1 | - | - | - | 1* | - |
| UA0 = 19 | 9 | 9 | 8 | 8 | 6 | 5* | 6* | 7 | 8* | 7* | 5 | 5 | 2 | 1 | 1 | - | - | - | - | 1* | 4* | 3* | 2* | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 6 | 6 | 3* | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 8 | 8 | 5 | 8 | 8 | 8 | 5 | 5 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | 1* | 8 | 9 | 9 | 7 | 7 | 5 | 3 | 7 | 7 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| JT = 23 | - | 8 | 9 | 8 | 5 | 2* | 5 | 7 | 5 | 4 | 4 | 5 | 4 | 5 | 6 | 5 | - | - | - | - | - | - | 1* | - |
| VR2 = 24 | 9 | 9 | 8 | 7 | 6 | 3 | 4 | 5* | 7* | 6* | 5 | 3* | 2* | 2 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 | 8 | 2* | 2 |
| JA1 = 25 | 8 | 8 | 7 | 6 | 4* | 6* | 7* | 8* | 8* | 8* | 6* | 5 | 2* | - | - | 3* | 2* | 3* | - | 1* | 2* | 2* | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 7 | 4 | 5 | 5 | 6 | 6 | 7 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 |
| DU = 27 | 9 | 8 | 7 | 7 | 5 | 3 | 5* | 6* | 8* | 7* | 6* | 4* | 3 | 3 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 6 | 9 |
| YB = 28 | 9 | 9 | 8 | 6 | 1 | 1 | 2 | 3 | 5 | 5 | 5 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 8 | 9 |
| VK6 = 29 | 5 | 8 | 6 | 3 | - | 1* | 5 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | - | 1* | 2* | 4* | 5* | 3* | 3* | 3* | 2* | 2* |
| VK3 = 30 | 8 | 7 | 5 | 3 | 2 | 2 | 6 | 7 | 6 | 5 | 5 | 4 | 1 | - | - | 2* | 4* | 5* | 5* | 6* | 5* | 6 | 8 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 3 | 2* | 9 | 8 | 6 | 4 | - | - | 3* | 4* | 4 | 4 | 7* | 8* | 6* | 6 | 6 | 7 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | 4* | 5* | 6* | 6* | 8* | 8* | 8* | 7* | 5* | 2 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 7 | - | - | 8 | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 7 | 3* | 9 | 9+ | 9 | 8 | 8 | 7 | 7 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 7 | 6 | 3 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | - | - | 3* | 5* | 3* | 7 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| FR = 39 | 7 | 5 | 5 | 8 | 5 | 7 | 8 | 8 | 7 | 6 | 6 | 6 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| FJL = 40 | 1* | 1* | 2* | 2* | 3* | 3* | 5* | 8 | 8 | 8 | 6 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 8 | 1 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Oct., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 4 | 1 | - | - | - | 3* | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 2 | 2 | 4 | 5 | 6 | 4 | - | - | - | 2 | 7 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 5 |
| W6 = 03 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 7 | 5 | 4 | 4 | 4 | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 8 | 7 | 6 | 7 | 8 | 3 | - | - | - | - | - | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 5 | 2* | 2* | 1* | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 7 | 2* | 4* | 2* | - | - | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 6 | 5* | 4* | 2* | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 9+ | 8 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 8 | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 8 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | - | 1 | 1 | - | - | - | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | 4 |
| I = 15 | 9+ | 9+ | 8 | 2 | - | - | 4* | 9 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 8 | 9 | 9+ | 9+ |
| UA3 = 16 | 2 | 1 | - | 1* | 4* | 4* | 3* | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 3 | - | - | 3 | 2 |
| UN = 17 | 1* | 1* | 5 | 9 | 5 | 2* | 6 | 7 | 6 | 7 | 6 | 6 | 7 | 8 | 8 | 8 | 6 | 2 | - | - | - | 1 | 1 | - |
| UA9 = 18 | 1* | 1* | 2* | 7 | 2* | 3* | 3* | 8 | 8 | 6 | 7 | 6 | 7 | 7 | 8 | 8 | 2 | - | - | - | - | - | - | 1* |
| UA0 = 19 | 8 | 9 | 9 | 8 | 4* | 4* | 5* | 8 | 8* | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | 3* | 5* | 4* | 3 |
| 4X = 20 | 9+ | 9+ | 9 | 4* | 5* | 4* | 4 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 7 | 8 | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 5 | 3 | 5 | 2* | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 1* | 2* | 2* | 9 | 8 | 2 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 1 |
| JT = 23 | 1* | 1 | 9 | 8 | 3* | 3* | 4* | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 5 | - | - | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 8 | 9 | 9 | 8 | 5 | 2* | 4 | 5 | 7* | 7* | 6* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 3 | 3* | 4* |
| JA1 = 25 | 8 | 8 | 8 | 6 | 5* | 6* | 6* | 8* | 7* | 8* | 7* | 6* | 5* | 4* | 4* | 4* | 3* | 1* | - | - | 3* | 5* | 7 | 9 |
| HS = 26 | 6 | 9 | 9 | 8 | 4 | 2* | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4* |
| DU = 27 | 9 | 9 | 8 | 8 | 4 | 4* | 5* | 6 | 7* | 8* | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 4* | 8 |
| YB = 28 | 9 | 9 | 7 | 2 | 1* | 1* | 3 | 6 | 5 | 6* | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 4 | 6 |
| VK6 = 29 | 3* | 2 | 2 | 2* | 2* | 1* | 3 | 7 | 6 | 5 | 5 | 5 | 4* | 2* | 2* | 3* | 3* | 2* | 1* | - | - | 4* | 4* | 3* |
| VK3 = 30 | 7 | 5 | 2 | 2* | 4* | - | 4 | 6 | 7* | 5 | 4 | 4* | 3* | 2* | 2* | 2* | 4* | 3* | 4* | 5* | 6* | 5* | 5 | 7 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 8 | 2* | 4* | 5* | 6 | 4* | 5* | 4* | 4* | 5* | 1* | 6 | 6 | 6 | 8* | 7* | 7 | 7 | 7 |
| KH8 = 32 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 7 | 6 | 5* | 6* | 6* | 5 | 6 | 7* | 9* | 7* | 7* | 6 | 7 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | - | - | - | 2* | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 3 | 5* | 4* | 3 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 | 6 | 8 | 9 | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 5* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 7 | 5* | 6* | 4* | 4 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | 1* | 4* | 1* | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 5 | - |
| FR = 39 | 2 | 2* | 4* | 5 | 2* | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| FJL = 40 | 1* | 2* | 2* | 2* | 1* | 1* | 3* | 6* | 7 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Oct., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 1* | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | 1 | 5* | 7* | 5 | 5 | 3 |
| VO2 = 02 | 1* | - | - | 1 | 1 | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 6 | 3* |
| W6 = 03 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 8 | 1 | 1 | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| W3 = 05 | 2 | 3 | 2 | 3 | 5 | - | - | - | - | - | - | 7 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| XE1 = 06 | 9 | 9 | 7 | 4 | 2 | - | 1* | - | - | - | - | - | 5 | 8 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 6 | 1 | 2* | 2* | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 9 | 9 | 8 | 5 | - | - | - | - | - | 9+ | 9+ | 9 | 6 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 | 8 |
| P4 = 09 | 7 | 8 | 8 | 8 | 5 | - | - | - | - | - | 8 | 9+ | 9 | 7 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 6 | 6 |
| HC = 10 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 1 | 5* | 5* | 1* | - | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9+ | - | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 2* | 4 | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 1* | 4 | 5 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 8 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 6 | 1 | - | - |
| I = 15 | 8 | 6 | 4 | - | - | - | 2* | 2* | 9+ | 9 | 9 | 5 | 4 | 3 | 4 | 6 | 7 | 6 | 3 | 4 | 3 | 5 | 7 | 9 |
| UA3 = 16 | - | - | - | - | 3* | 2* | 1* | 2 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 4 | - | - | - | - | - |
| UN = 17 | 2* | 2* | 4* | 8 | 3* | 2* | 2 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 8 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 3* | 3* | 3* | 3* | 3* | 2* | 2* | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 3 | - | - | - | - | - | - | - | 2* |
| UA0 = 19 | 5 | 8 | 8 | 6 | 2* | 2* | 2* | 7 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 5* | 5* | 4* | |
| 4X = 20 | 9 | 9 | 4 | 2* | 6* | 4* | 2* | 9 | 9 | 9 | 8 | 5 | 5 | 9 | 9 | 9 | 9 | 8 | 4 | 2 | 1 | 3 | 6 | 8 |
| HZ = 21 | 9 | 8 | 2* | 4* | 5* | 3* | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 |
| VU = 22 | 2* | 3* | 4* | 8 | 5 | 1* | 4 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - |
| JT = 23 | 2* | 4* | 6 | 6 | 4* | 3* | 2* | 7 | 7 | 7 | 7 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | 2* | 3* |
| VR2 = 24 | 6 | 9 | 8 | 7 | 4* | 4* | 4* | 5 | 6 | 7* | 7* | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | - | 2* | 5* |
| JA1 = 25 | 8 | 8 | 7 | 5* | 5* | 5* | 5* | 7 | 8 | 7 | 8* | 6* | 5* | 4* | 4* | 4* | 3* | - | - | - | 1* | 5* | 5* | 8 |
| HS = 26 | 5* | 8 | 9 | 7 | 3* | 3* | 2* | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 5* |
| DU = 27 | 9 | 9 | 8 | 7 | 5* | 5* | 5* | 6 | 7 | 8* | 8* | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2* | 5* | 6* |
| YB = 28 | 8 | 8 | 5 | 3* | 2* | 1* | 1 | 5 | 5 | 7* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | 5* | 4* |
| VK6 = 29 | 5* | 5* | 4* | 3* | 2* | - | - | 5 | 6 | 7* | 5* | 5* | 4* | 2* | 2* | 1* | 1* | - | - | - | - | 1* | 5* | 5* |
| VK3 = 30 | 5 | 3* | 2* | 4* | 3* | - | 1 | 4 | 6* | 5* | 5* | 5* | 3* | 2* | 2* | 2* | 2* | 1* | 1* | 2* | 6* | 6* | 5* | 4 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 8 | 4 | 1* | 5* | 6* | 6* | 6* | 5* | 5* | 4* | 3* | - | 2 | 8 | 8 | 8 | 8* | 7 | 6 | 7 |
| KH8 = 32 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7* | 8 | 8 | 8 | 6* | 5* | 6* | 6* | 5* | 3 | 6 | 7 | 8* | 7 | 7 | 7 | 7 |
| CN = 33 | 8 | 8 | 8 | 5 | - | - | - | - | 7 | 9+ | 9 | 6 | 4 | 2 | 3 | 4 | 5 | 4 | 5* | 5 | 5 | 5 | 8 | 8 |
| SU = 34 | 8 | 9 | 8 | - | 6* | 4* | 2* | 9 | 9 | 9 | 4 | 4 | 5 | 6 | 6 | 9 | 8 | 6 | 2 | 2 | 1 | 2 | 5 | 7 |
| 6W = 35 | 8 | 8 | 9 | 8 | - | - | - | - | 8 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 8 | 8 |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 2 | 5* | 4 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 6 | 1 | 6* | 5* | 4* | 1* | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | - | - | - | 6 | 6 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5 | 1 | - | - | - |
| FR = 39 | - | 1* | 4* | 4* | 3* | - | 5 | 9 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 |
| FJL = 40 | - | 1* | 2* | 1* | - | - | 1* | 1* | 2* | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Nov., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| W6 = 03 | - | - | - | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 4 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 2 | 3 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 1 | 3 | 4 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 3 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 |
| P4 = 09 | 5 | 4 | 3 | 4 | 3 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 6 | 6 | 9 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | |
| CE = 12 | 3 | 2 | 2 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 5 | 5 | 5 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| G = 14 | 4 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 |
| I = 15 | 4 | 3 | 3 | 3 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 4 |
| UA3 = 16 | 3 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 3 | 5 |
| UN = 17 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 4 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 1 | 1 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | 3 |
| HZ = 21 | 3 | 1 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 5 |
| VU = 22 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 |
| SU = 34 | 2 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 4 | 6 |
| FJL = 40 | 4 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Nov., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 2 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | |
| W6 = 03 | - | 1 | 3 | 5 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 7 | 8 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| XE1 = 06 | 3 | 5 | 6 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 4 | 6 | 7 | 8 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 8 | 6 | 7 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 |
| P4 = 09 | 8 | 7 | 6 | 7 | 6 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| HC = 10 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9+ | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 |
| CE = 12 | 6 | 5 | 5 | 5 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| G = 14 | 7 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 |
| I = 15 | 7 | 6 | 6 | 6 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 7 |
| UA3 = 16 | 6 | 7 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 6 | 8 |
| UN = 17 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 7 |
| UA9 = 18 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| 4X = 20 | 5 | 4 | 4 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 6 | 6 |
| HZ = 21 | 6 | 4 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 7 | 8 |
| VU = 22 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 6 | 6 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | 5 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| VK3 = 30 | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 8 | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 |
| SU = 34 | 5 | 5 | 5 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 7 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 7 | 9 |
| FJL = 40 | 7 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Nov., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 |
| W6 = 03 | 4 | 6 | 7 | 7 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | 3 | 7 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 8 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 6 | 6 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 7 | 2 |
| 4X = 20 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 9 | 9 |
| VU = 22 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 7 |
| JT = 23 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 6 | 6 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 5 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 5 | 1 |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 7 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 2 | 6 | 7 | 7 | 6 | 1 |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 6 | 1 |
| VK3 = 30 | - | - | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| KH6 = 31 | - | - | - | 2 | 6 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | - |
| KH8 = 32 | - | - | - | - | - | 2 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9 | 8 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Nov., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 | 4 | 5 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 8 | 8 | 9 |
| UN = 17 | 9 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 8 | 6 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 | 6 | 8 |
| UA0 = 19 | 4 | 1 | 1 | 1 | 1 | - | - | 1* | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 6 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 | 8 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 7 | 8 |
| JT = 23 | 6 | 6 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 8 | 6 | 3 |
| HS = 26 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 6 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 1 | 1 | - |
| KH6 = 31 | - | - | 4 | 6 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1* | - | 5 | 4 | - | - |
| KH8 = 32 | - | - | - | 1 | 4 | 6 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 4 | 2 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | 1 | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Nov., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 5 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | 1 | 1 | 1 | 4 | 6 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 3 | 5 | 2 | - | - | - | - | 2 | 4 | 5 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 2 | - | 5 | 2 | - | - | - | - | - | 1 | 1 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | 8 | 5 | 2 | - | - | - | - | - | 2 | 4 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 3 | 9+ | 9 | 7 | 4 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9 | 9 | 6 | 5 | 2 | 1 | 1 | 2 | 4 | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | 1 | 3 | 6 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | - | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 2 | 1 | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9 | 8 | 5 | 1 | - | - | 1 | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 8 | 5 | 5 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | 2 | - | - | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 2 | 2 | 8 | 9 | 8 | 8 | 6 | 4 | 4 | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 |
| UA0 = 19 | 8 | 8 | 7 | 6 | 5 | 4 | 6 | 4 | 5 | 2* | - | - | - | - | - | - | 3 | 6 | 8 | 7 | 5 | 2 | 4 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 1 | - | - | - | 2 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 5 | 9 | 9 | 8 | 5 | 2 | - | 1 | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| JT = 23 | 6 | 9 | 9 | 8 | 6 | 5 | 4 | 2 | 3 | - | - | - | - | - | 1 | 1 | 5 | 5 | 5 | 9 | 9 | 9 | 8 | 5 |
| VR2 = 24 | 8 | 8 | 6 | 3 | 1 | - | - | 1* | 2* | 2* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 7 | 5 | 4 | 3 | 3 | 2 | 5* | 6* | 8 | 3* | 1* | - | - | - | - | - | 4 | 7 | 8 | 6 | 2 | 5 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 6 | 2 | - | - | - | 1* | 1* | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 4 | 1 | - | - | 1* | 3* | 4* | 3* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 8 | 7 | 3 | - | - | - | - | 1* | 1* | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 8 | 7 | 5 | 2 | 1 | - | - | - | 1* | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK3 = 30 | 1 | 1 | 2 | 2 | 1 | - | 1 | 2* | 2 | 1 | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 6 | 5 |
| KH6 = 31 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 2* | 5* | 5* | 5* | 2* | - | - | 1 |
| KH8 = 32 | - | - | 2 | 7 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 3* | 5* | 6* | 6* | 4* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 8 | 9+ | 9 | 7 | 5 | 2 | 1 | 1 | 2 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | 1 | 1 | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 1 | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 | 8 | 5 | 4 | 2 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 6 | 7 | 5 | 2 | 1* | 1* | 2 | 8 | 8 | 5 | 2 | - | - | - | - | 1 | 5 | 8 | 9 | 8 | 4 | 4 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Nov., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 7 | 2* | 2* | 2* | 1 | - | 1 | 1 | 1 | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9 | 8 | 8 | 9 | 9 | 9 | 7 | 4 | 1 | 9 | 9 | 8 | 5 | 3 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9+ | 9+ | 9 | 9 | 9 | 7 | 7 | 8 | 8 | 7 | - | - | - | 1 | 1 | 1 | 4 | 7 | 3 | 5 | 7 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | 6 | 6 | 2 | 1 | 2 | 5 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| W3 = 05 | 9+ | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 7 | 1 | 9 | 8 | 6 | 3 | 4 | 4 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | 1* | - | 2 | 5 | 2 | 1 | 1 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2* | 1* | 6 | 8 | 5 | 4 | 3 | 4 | 2 | 5 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 9+ | 9+ | 9 | 8 | 6 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | - | 5 | 9+ | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5 | 4 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 6 | 7 | 7 | 2 | - | 4 | 9+ | 9 | 9 | 7 | 6 | 3 | 5 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 9 | 1 | 1* | 7 | 9+ | 9 | 8 | 6 | 4 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 4 | - | 2* | 2* | 4 | 8 | 9 | 8 | 7 | 6 | 3 | 3 | 4 | 5 | 7 | 9 | 9 | 9+ | 9 | 5 | 7 | 8 | 8 |
| UN = 17 | 7 | 6 | 8 | 9 | 9 | 8 | 7 | 6 | 4 | 3 | 2 | 2 | 2 | 2 | 4 | 7 | 9 | 8 | 5 | 3 | 4 | 8 | 8 | 8 |
| UA9 = 18 | - | - | - | 9 | 9 | 8 | 8 | 8 | 5 | 5 | 5 | 1 | 1 | 2 | 3 | 6 | 2 | - | - | - | 1 | 2 | - | - |
| UA0 = 19 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 7* | 6* | 4 | 1 | - | - | - | - | - | - | - | - | 2* | 2* | 2* | 2 |
| 4X = 20 | 9+ | 9+ | 9+ | 7 | 5 | 9+ | 9+ | 9 | 9 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 4 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | - | 8 | 9 | 9 | 8 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 3 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| JT = 23 | 1* | 7 | 9 | 9 | 8 | 7 | 8 | 7 | 5 | 6 | 4 | 1 | 1 | 2 | 4 | - | - | - | - | 1 | 4 | 2 | 1* | 1* |
| VR2 = 24 | 9 | 9 | 8 | 6 | 4 | 2 | 3* | 5* | 7 | 8 | 4* | 1* | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 8 | 1 | 6 |
| JA1 = 25 | 8 | 8 | 7 | 6 | 6 | 5 | 7* | 8* | 8* | 7* | 4 | 1 | - | - | - | - | - | 1* | - | 1* | 2* | 2* | 8 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | 2* | 3 | 9 | 2 | 2 | 2 | 4 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 9 | 8 | 8 | 5 | 2 | 2* | 4* | 5* | 8 | 8 | 5* | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 9 |
| YB = 28 | 9 | 9 | 9 | 7 | 3 | - | - | 1 | 4* | 4* | 2* | 2 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VK6 = 29 | 8 | 9 | 8 | 8 | 5 | 5 | 5 | 4 | 4 | 9 | 2 | 2 | 1 | 1 | 4 | 5 | 6 | 5 | 5* | 5* | 4 | 3* | 2 | 6 |
| VK3 = 30 | 8 | 6 | 5 | 5 | 4 | 4 | 7 | 6 | 5 | 6 | 4* | 1 | 1 | 1 | 1 | 1 | 3 | 5* | 6* | 6* | 6 | 8 | 8 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 9 | 8 | 6 | 4 | - | - | - | 1* | 1 | 7 | 8* | 7 | 6* | 4 | 4 | 6 |
| KH8 = 32 | 2 | 4 | 6 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | 1 | - | 1* | 6* | 8* | 8* | 8* | 7* | 6* | 1 | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | - | - | 9+ | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 5 | 9+ | 9+ | 9+ | 9 | 7 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9 | 7 | 4 | 4 | 8 | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 3 | 3 | 3 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 1* | 1* | 1* | 1* | 2* | 3* | 4* | 4* | 8 | 7 | 7 | 4 | 2 | 2 | 3 | 5 | 7 | 9 | 6 | - | - | - | - | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Nov., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 5 | 2* | 1* | 2* | 2* | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 6 | 2 | 2 | 6 | 8 | 6 | 2 | - | - | 8 | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 7 | 5 | 3 | 2 | 3 | 5 | 3 | - | - | - | - | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 8 | 8 | 7 | 6 | 5 | 5 | 2 | 1 | - | - | 7 | 6 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 8 | 8 | 8 | 5 | 6 | 6 | 2 | 4 | 1 | - | 1 | 9 | 8 | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | 1* | 1* | - | - | - | 7 | 4 | 4 | 4 | 8 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9+ | 9+ | 9 | 9 | 8 | 2* | 1* | - | - | 9 | 7 | 6 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | - | - | - | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 8 | 6 | 2* | 9 | 9 | 8 | 6 | 5 | 5 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4* | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 2 | 1 | 1 | 1 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | 5 |
| I = 15 | 9+ | 9+ | 9+ | 5 | - | - | 5* | 9+ | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 2 | - | - | - | 5* | 4* | 4 | 9 | 9 | 8 | 5 | 8 | 5 | 5 | 8 | 9 | 9 | 9+ | 8 | 4 | - | - | 2 | 2 |
| UN = 17 | 2 | 1 | 5 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 7 | 5 | 5 | 6 | 8 | 9 | 7 | 2 | - | - | - | 4 | 5 | 5 |
| UA9 = 18 | 1* | 1* | 1* | 6 | 9 | 3 | 8 | 8 | 7 | 5 | 4 | 5 | 5 | 5 | 7 | 3 | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 7 | 9 | 8 | 8 | 8 | 5* | 6* | 8 | 7* | 7* | 6 | 3 | 1* | - | - | - | - | - | - | 2* | 3* | 2* | 2* | |
| 4X = 20 | 9+ | 9+ | 9+ | 2* | 4* | 6 | 9 | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 5 | 3 | 9 | 6 | 8 | 9 | 7 | 7 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1* | 1* | 4 | 9 | 9 | 8 | 8 | 6 | 6 | 5 | 7 | 5 | 5 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 3 |
| JT = 23 | 1* | 1* | 9 | 9 | 8 | 4 | 6 | 8 | 7 | 5 | 5 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | 2* | 1* |
| VR2 = 24 | 9 | 9 | 8 | 7 | 7 | 5 | 5 | 5* | 7* | 7* | 5 | 5* | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | 1* | 2* |
| JA1 = 25 | 9 | 8 | 7 | 7 | 6 | 6* | 8* | 8 | 8* | 8* | 6* | 5* | 3* | - | 1* | 2* | 2* | 1* | - | - | 2* | 2* | 2* | 9 |
| HS = 26 | 8 | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 |
| DU = 27 | 9 | 8 | 8 | 7 | 5 | 4 | 5 | 6* | 7* | 7* | 6* | 5 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| YB = 28 | 9 | 9 | 9 | 7 | 3 | 2 | 3 | 2 | 6 | 6 | 6 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 4 | 9 | 8 | 7 | 3 | 3 | 6 | 5 | 5 | 5 | 5 | 3 | 2 | 1 | 1* | 1* | 3* | 5* | 5* | 5* | 4* | 4* | 4* | 4* |
| VK3 = 30 | 6 | 8 | 7 | 6 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 4 | 2 | 1* | 1 | 2* | 4* | 6* | 6* | 6* | 6* | 5 | 6 | 7 |
| KH6 = 31 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 | 4 | 9 | 6 | 4* | 2 | 2* | 2* | 3* | 2* | 5 | 5 | 7* | 8* | 7* | 5 | 6 | 7 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | 4 | 6* | 7* | 8* | 8* | 8* | 8* | 7* | 5* | 3 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 1* | 9+ | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 4 | 4* | 5 | 9 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 6 | 7 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 8 | 5 | 1 | 4* | 4* | 2* | 8 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 7 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 |
| FJL = 40 | 1* | 1* | 2* | 3* | 4* | 5* | 5* | 6* | 7 | 8 | 7 | 5 | 4 | 4 | 5 | 8 | 8 | 7 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Nov., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 5 | 2 | 1* | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9 | 9 | 9 | 8 |
| VO2 = 02 | 1 | - | - | 1 | 2 | 1 | - | - | - | - | 6 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 4 |
| W6 = 03 | 9 | 9 | 8 | 2 | 1 | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| W9 = 04 | 9 | 5 | 4 | 2 | 1 | 1 | 1 | - | - | - | - | - | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 3* | 6 | 4 | - | 1 | 1 | - | - | - | - | - | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| XE1 = 06 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | 8 | 8 | 5 | 8 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 1* | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | 9+ | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 |
| P4 = 09 | 8 | 9 | 9+ | 9+ | 9 | 7 | - | - | - | - | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 8 | 7 | 7 |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 7 | 5* | 5* | 3* | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6* | 7 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 4 | - | - |
| I = 15 | 9 | 9 | 6 | - | - | - | 2* | 5 | 9+ | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 7 | 5 | 5 | 8 | 9 |
| UA3 = 16 | - | - | - | - | 5* | 5* | 5* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | 1 | - | - | - | - | - |
| UN = 17 | - | 1* | 3* | 8 | 8 | 3 | 6 | 8 | 8 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 2* | 2* | 2* | 3* | 6 | 3* | 4* | 8 | 8 | 8 | 7 | 6 | 6 | 7 | 6 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 8 | 9 | 8 | 6 | 5* | 6* | 8 | 8 | 8 | 6 | 1* | - | - | - | - | - | - | - | - | 4* | 4* | 4* |
| 4X = 20 | 9+ | 9+ | 7 | 1* | 6* | 4* | 4 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 7 | 8 | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 2* | 3* | 8 | 3* | 6 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 2* | 2* | 2* | 9 | 8 | 5 | 7 | 8 | 7 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - |
| JT = 23 | 2* | 2* | 5 | 9 | 6 | 4* | 4* | 8 | 8 | 7 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 8 | 9 | 9 | 8 | 6 | 4* | 5 | 6 | 7* | 7* | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 1 | 3* | 4* |
| JA1 = 25 | 9 | 8 | 8 | 7 | 6* | 6* | 7* | 8 | 8* | 8* | 7* | 5* | 5* | 4* | 2* | 2* | 2* | - | - | - | 3* | 5* | 4* | 5 |
| HS = 26 | 4 | 9 | 9 | 8 | 4 | 2 | 5 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4* |
| DU = 27 | 9 | 9 | 8 | 8 | 4 | 4* | 5 | 6 | 7* | 8* | 7* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 3 | 4* | 6 |
| YB = 28 | 9 | 9 | 8 | 5 | 1* | 1 | 4 | 5 | 5 | 6* | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| VK6 = 29 | 5* | 6 | 6 | 3 | 2* | 1* | 3 | 5 | 4* | 4* | 4* | 4* | 3* | 2* | 2* | 3* | 4* | 5* | 4* | 2* | 1* | 3* | 5* | 5* |
| VK3 = 30 | 3* | 2* | 5 | 4 | 4* | 2 | 5 | 5 | 7* | 5 | 4* | 4* | 3* | 2* | 2* | 3* | 5* | 5* | 6* | 6* | 6* | 6* | 5* | 4 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 2* | 4* | 6 | 3* | 4* | 4* | 4* | 4* | 2* | - | 5 | 6 | 7 | 8* | 8* | 6 | 6 | 6 |
| KH8 = 32 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 6 | 5 | 5* | 6* | 6* | 6 | 8* | 9* | 7* | 7* | 6 | 6 |
| CN = 33 | 9+ | 9+ | 8 | 7 | - | - | - | - | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 8 | 8 | 8 | 9 | 9+ |
| SU = 34 | 9+ | 9+ | 9 | - | 6* | 5* | 3 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 7 | 6 | 8 | 9+ | 9+ |
| 6W = 35 | 9 | 9 | 9+ | 9+ | 9+ | 3 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 6 | 7 | 8 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 5* | 5* | 4* | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 2 | - | - | 1* | 5* | 2* | 2 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 8 | 6 |
| FR = 39 | 5 | 3 | 4* | 5 | 2 | 5 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 7 |
| FJL = 40 | - | 1* | 2* | 4* | 3* | 3* | 4* | 6* | 2* | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 6 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Nov., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 8 | 6 | 3 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 5 | - |
| W6 = 03 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 |
| W9 = 04 | 6 | 1* | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| W3 = 05 | 2* | 1 | - | - | - | - | - | - | - | - | - | 6 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 5* |
| XE1 = 06 | 6 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 5 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 4 | 1* | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| VP2 = 08 | 4 | 6 | 7 | 7 | 5 | - | - | - | - | - | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 6* | 6* | 5* |
| P4 = 09 | 5* | 5 | 7 | 7 | 6 | 1 | - | - | - | - | 6 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 4 | 4* | 5* |
| HC = 10 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 2 | 5* | 5* | 1* | - | 8 | 9 | 9 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 6* | 4 | 1* | 6 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 1 | 5* | 2 | 1* | 7 | 7 | 5 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 8 | 3 | - | - | - |
| I = 15 | 5 | 5 | 1 | - | - | - | - | 4* | 9+ | 9 | 9 | 8 | 8 | 6 | 5 | 6 | 9 | 7 | 2 | 1 | - | - | 2 | 5 |
| UA3 = 16 | - | - | - | - | 1* | 3* | 2* | 3* | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | - | - | - | - | - | - | - |
| UN = 17 | - | 4* | 4* | 5 | 5 | 3* | 2 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 3* | 3* | 4* | 4* | 3* | 3* | 2* | 7 | 8 | 8 | 7 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 6 | 7 | 7 | 4* | 3* | 4* | 5* | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 4* | 5* | 5* |
| 4X = 20 | 9+ | 9 | 1 | - | 6* | 4* | 2* | 9 | 9 | 9 | 5 | 5 | 6 | 6 | 7 | 9 | 9 | 8 | 4 | 3 | 1 | 4 | 8 | 9 |
| HZ = 21 | 9 | 6 | 1* | 4* | 5* | 3* | 2* | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 |
| VU = 22 | 1* | 4* | 4* | 8 | 6 | 2* | 4 | 7 | 7 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 2 | 1 | - | - |
| JT = 23 | 4* | 4* | 4* | 8 | 4* | 3* | 2* | 5 | 8 | 8 | 7 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | 4* |
| VR2 = 24 | 6 | 9 | 9 | 8 | 4* | 4* | 4* | 6 | 6 | 7* | 7* | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 4 | - | 4* | 5* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 5* | 5* | 5* | 7 | 8 | 8* | 8* | 5* | 5* | 4* | 3* | 1* | 1* | - | - | - | 1* | 5* | 6* | 5* |
| HS = 26 | 6* | 8 | 9 | 7 | 4* | 3* | 4 | 6 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 5* |
| DU = 27 | 9 | 9 | 8 | 7 | 5* | 5* | 5 | 7 | 7 | 7* | 8* | 7* | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 1* | 5* | 6* |
| YB = 28 | 8 | 9 | 6 | 2* | 1* | 1* | 2 | 5 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 3 | 5 |
| VK6 = 29 | 5* | 4* | 4* | 3* | 2* | - | 1 | - | - | 7* | 5* | 5* | 3* | 2* | 2* | 3* | 4* | 2* | 1* | - | - | - | 4* | 5* |
| VK3 = 30 | 4* | 3* | 3* | 3* | 3* | - | 2 | 2 | 6* | 5* | 5* | 5* | 4* | 2* | 2* | 4* | 5* | 4* | 4* | 3* | 5* | 6* | 5* | 5* |
| KH6 = 31 | 6 | 8 | 8 | 9 | 8 | 6 | 1* | 5* | 5* | 5* | 5* | 5* | 4* | 3* | 1* | - | 1 | 8 | 7 | 8* | 8* | 7* | 5* | 5 |
| KH8 = 32 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7* | 8* | 9 | 8 | 8 | 6* | 6* | 6* | 6* | 6 | 7 | 7 | 8* | 7 | 7 | 7 | 7 |
| CN = 33 | 7 | 4 | 2 | 1 | - | - | - | - | 5 | 9+ | 9 | 7 | 6 | 5 | 5 | 4 | 7 | 6 | 2 | 4 | 2 | 2 | 5 | 7 |
| SU = 34 | 9 | 9 | 5 | - | 5* | 4* | 2* | 7 | 9 | 9 | 2 | 5 | 5 | 5 | 6 | 7 | 8 | 6 | 2 | 2 | 1 | 2 | 7 | 9 |
| 6W = 35 | 5 | 6 | 8 | 9 | 8 | - | - | - | 3 | 9+ | 9 | 9+ | 9 | 9 | 9 | 7 | 8 | 8 | 5* | 6* | 5* | 1 | 1 | 3 |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 3 | 5* | 8 | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 4 | 4* | 6* | 4* | 2 | 6 | 5 | 1* | 1 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 1* | - | - | - | 1* | - | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 6 | 1 | 1 | 4 | 1 |
| FR = 39 | 1 | 1* | 4* | 4* | 2* | - | 7 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 |
| FJL = 40 | - | - | 1* | 3* | 2* | 2* | 2* | 2* | - | 5 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Dec., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| W6 = 03 | - | - | 1 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| XE1 = 06 | - | 3 | 4 | 5 | 5 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 2 | 4 | 3 | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 4 | 4 | 4 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 |
| P4 = 09 | 6 | 5 | 3 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 2 | 4 | 3 | 4 | 4 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 |
| CE = 12 | 2 | 2 | 3 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 4 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 3 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 |
| I = 15 | 4 | 3 | 2 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| UA3 = 16 | 4 | 4 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 5 |
| UN = 17 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 4 |
| UA9 = 18 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 1 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 4 |
| HZ = 21 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 |
| VU = 22 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 |
| SU = 34 | 4 | 3 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 5 | 5 |
| ZS6 = 38 | 5 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FR = 39 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| FJL = 40 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Dec., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 2 | 4 | 3 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| W6 = 03 | - | 2 | 4 | 6 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| XE1 = 06 | 3 | 6 | 7 | 8 | 8 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 5 | 7 | 6 | 8 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 8 | 7 | 7 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 |
| P4 = 09 | 9 | 8 | 6 | 7 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| HC = 10 | 5 | 7 | 6 | 7 | 7 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| CE = 12 | 5 | 5 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 8 | 7 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| G = 14 | 6 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 |
| I = 15 | 7 | 6 | 5 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 |
| UA3 = 16 | 7 | 7 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 8 |
| UN = 17 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 7 |
| UA9 = 18 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| 4X = 20 | 6 | 6 | 4 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 7 | 7 |
| HZ = 21 | 7 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 8 |
| VU = 22 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 5 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 |
| SU = 34 | 7 | 6 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 7 | 8 | 8 |
| ZS6 = 38 | 8 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FR = 39 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 |
| FJL = 40 | 6 | 6 | 6 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Dec., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 6 | 7 | 7 | 8 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 4 | 5 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W9 = 04 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 |
| XE1 = 06 | 5 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ |
| CE = 12 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 7 | 8 | 8 |
| UA9 = 18 | 7 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 6 | 7 | 7 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 6 |
| 4X = 20 | 9 | 9 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 9 | 9 |
| VU = 22 | 8 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 8 | 8 | 8 |
| JT = 23 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 7 | 6 | 7 | 7 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 6 | 3 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 7 | 1 |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 5 | 4 |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 6 | 5 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 5 | 1 |
| VK3 = 30 | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | - |
| KH8 = 32 | - | - | - | - | - | 1 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9 | 9 | 8 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Dec., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 7 | 7 |
| VO2 = 02 | 9 | 9 | 8 | 9 | 8 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | 1 | 3 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 8 | 8 | 9 |
| UA9 = 18 | 8 | 7 | 8 | 6 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 7 | 8 |
| UA0 = 19 | 6 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 7 | 6 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 7 | 7 |
| JT = 23 | 7 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 6 | 6 |
| JA1 = 25 | 2 | 1 | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 7 | 7 | 8 | 6 |
| HS = 26 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 6 |
| YB = 28 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 1 | - | - |
| KH6 = 31 | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1* | - | 1 | - | - | - |
| KH8 = 32 | - | - | - | - | 2 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 1 | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 2 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | 1 | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 9 | 8 | 8 | 8 | 6 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Dec., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 9 | 8 | 5 | 2 | 1 | - | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | - | - | - | - | - | - | 1* | 2 | 2 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 5 | 2 | 1 | - | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9 |
| W3 = 05 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 6 | 2 | - | - | 1 | 1 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | - | 5 | 1 | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 8 | 5 | 1 | - | - | - | - | 2 | 4 | 4 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 7 | 5 | 2 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 7 | 1 | 4 | 9+ | 9 | 7 | 4 | 1 | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 7 | 4 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 8 | 7 | 5 | 4 | 7 | 9 | 9 | 6 | 2 | 1 | - | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9 | 7 | 9 | 9 |
| UN = 17 | 8 | 7 | 8 | 9 | 9 | 7 | 5 | 4 | 3 | 1 | - | - | - | - | 1 | 4 | 8 | 9 | 8 | 6 | 7 | 9 | 9 | 9 |
| UA9 = 18 | 1 | - | 1 | 9 | 9 | 8 | 7 | 6 | 8 | 1 | - | - | - | - | 1 | 4 | 6 | 2 | 1 | 4 | 8 | 9 | 9 | 6 |
| UA0 = 19 | 8 | 8 | 8 | 8 | 6 | 8 | 7 | 5 | 4* | 3* | - | - | - | - | - | - | - | 5 | 7 | 7 | 5 | 1 | 2* | 2 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | 2 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 3 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| JT = 23 | 1* | 7 | 9 | 9 | 8 | 7 | 5 | 5 | 9 | 1* | - | - | - | - | 1 | 1 | - | - | - | 2 | 6 | 9 | 7 | 1 |
| VR2 = 24 | 8 | 8 | 6 | 4 | 1 | - | - | 2* | 3* | 3* | 1* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| JA1 = 25 | 8 | 7 | 5 | 5 | 5 | 4 | 5 | 6* | 8 | 4* | - | - | - | - | - | - | - | 3 | 6 | 4 | 2* | 1* | 6 | 9 |
| HS = 26 | 9 | 9 | 8 | 6 | 2 | - | - | - | 1* | 1* | 1* | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 7 | 4 | 1 | - | - | 1* | 4* | 4* | 4* | 2* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 8 | 6 | 2 | - | - | - | - | 1* | 1* | - | - | - | - | 1 | 3 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 8 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK3 = 30 | 1 | 1 | 1 | 1 | - | - | - | 3* | 1 | 1* | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 8 | 5 | 4 |
| KH6 = 31 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | 2* | 5* | 5* | 5* | 3* | 1 | 1 | 1 |
| KH8 = 32 | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | 3* | 5* | 6* | 5* | 5* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 9+ | 9 | 8 | 6 | 3 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 7 | 3 | 2 | 1 | 1 | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9+ | 9 | 9 | 9 | 7 | 6 | 3 | 1 | - | - | - | - | 1 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FJL = 40 | 5 | 6 | 5 | 1 | 1* | 1* | 1* | 1 | 9 | 6 | 2 | 1 | - | - | - | 2 | 6 | 9 | 8 | 3 | - | - | 1 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Dec., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 8 | 6 | 2* | 2* | 2* | 1 | 1 | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9 | 7 | 7 | 7 | 8 | 9 | 7 | 3 | - | 8 | 9 | 8 | 6 | 4 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9+ | 9+ | 9 | 9 | 8 | 6 | 6 | 6 | 7 | 6 | - | - | - | - | 1 | 1 | 2 | 6 | 5 | 7 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 6 | - | 1 | 6 | 4 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| W3 = 05 | 9+ | 9 | 9 | 9 | 6 | 8 | 8 | 8 | 5 | - | 2 | 8 | 6 | 4 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 2 | 1* | - | 1 | 6 | 2 | 2 | 2 | 3 | 3 | 4 | 7 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1* | 6 | 8 | 7 | 4 | 2 | 2 | 4 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 5 | 9+ | 9 | 8 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | - | - | 9+ | 9 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 8 | 6 | 8 | 8 | 7 | 5 | 3 | 2 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 6 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 6 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 7 | 7 | 6 | 1 | - | - | 9+ | 9 | 9 | 8 | 6 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 8 | - | - | 5 | 9+ | 9 | 8 | 7 | 5 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 6 | 1 | 1 | - | 4* | 4* | 7 | 9 | 9 | 7 | 7 | 4 | 3 | 4 | 5 | 8 | 9 | 9 | 9 | 6 | - | - | 4 | 4 |
| UN = 17 | 3 | 1 | 2 | 9 | 9 | 8 | 8 | 7 | 6 | 8 | 3 | 2 | 2 | 3 | 5 | 6 | 9 | 5 | - | - | - | 5 | 6 | 6 |
| UA9 = 18 | 1* | 1* | 1* | 1 | 9 | 8 | 8 | 8 | 7 | 4 | 5 | 1 | 2 | 2 | 5 | 5 | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7* | 5 | 6 | 1 | - | - | - | - | - | - | - | - | 1* | 3* | 2* | 2* |
| 4X = 20 | 9+ | 9+ | 9+ | 6 | 3* | 9 | 9 | 9+ | 9 | 8 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 7 | 9 | 8 | 9 | 8 | 7 | 6 | 5 | 4 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 2 | 1* | 5 | 9 | 9 | 8 | 7 | 5 | 5 | 4 | 2 | 2 | 2 | 4 | 5 | 7 | 9 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9 |
| JT = 23 | 1* | 1* | 8 | 9 | 8 | 7 | 6 | 8 | 6 | 5 | 4 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 9 | 9 | 9 | 8 | 5 | 3 | 4* | 5* | 7 | 8 | 5* | 1* | - | - | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 6 |
| JA1 = 25 | 9 | 8 | 8 | 7 | 7 | 6 | 7* | 8 | 8* | 6* | 6* | 1 | - | - | - | - | - | 1* | 1* | 1* | 2* | 3* | 2* | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 6 | 4 | 3 | 3 | 4* | 9 | 3 | 2 | 2 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| DU = 27 | 9 | 8 | 8 | 6 | 2 | 2* | 5* | 5* | 8 | 8 | 5* | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 9 |
| YB = 28 | 9 | 9 | 8 | 6 | 2 | 1 | 1 | 1 | 3* | 4* | 2 | 1 | 2 | 3 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VK6 = 29 | 8 | 9 | 8 | 7 | 6 | 4 | 4 | 5 | 4 | 6 | 2 | 2 | 2 | 2 | 4 | 5 | 6 | 6 | 6* | 6 | 5* | 4* | 3 | 7 |
| VK3 = 30 | 7 | 5 | 5 | 4 | 3 | 3 | 6 | 6 | 6 | 8 | 4* | 1 | 1 | 1 | - | - | 4* | 6* | 7* | 7* | 7* | 6 | 7 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 9 | 7 | 4 | 2 | - | - | - | 1* | 1 | 7 | 8* | 8* | 6* | 4 | 5 | 6 |
| KH8 = 32 | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 2 | 1 | - | 2* | 6* | 8 | 8* | 8 | 7* | 5* | 1* | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | - | - | 2 | 9+ | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 3* | 9 | 9 | 9+ | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 8 | 7 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 7 | 1 | 2* | 2* | 3 | 8 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| FJL = 40 | - | 1* | 1* | 1* | 1* | 4* | 5* | 5* | 7 | 8 | 8 | 4 | 3 | 2 | 3 | 6 | 9 | 7 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Dec., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 7 | 3 | 2* | 1* | 2* | 2* | - | - | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 7 | 5 | 2 | 2 | 5 | 6 | 3 | - | - | - | 7 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 5 | 1 | 1 | 1 | 3 | 2 | - | - | - | - | 3 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 8 | 6 | 4 | 4 | 5 | 1 | 3 | 1 | - | - | 8 | 6 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 8 | 8 | 7 | 5 | 1 | 4 | 5 | 4 | - | - | - | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9 | 9 | 8 | 5 | 2 | 1* | - | - | - | - | 7 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 9 | 6 | 2* | 2* | - | - | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | - | - | 9+ | 9 | 9 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | 9+ | 9 | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | 2* | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6 | 7 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 6* | 5 | 8 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 2 | 1 | 1 | 1 | - | - | - | - | 9 | 9 | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | 5 |
| I = 15 | 9+ | 9+ | 9 | 4 | - | - | 2* | 6 | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 7 | 8 | 9+ |
| UA3 = 16 | - | - | - | - | 3* | 5* | 4* | 8 | 9 | 8 | 7 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 5 | - | - | - | - | - |
| UN = 17 | - | 1* | 2* | 6 | 9 | 6 | 6 | 8 | 8 | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 4 | - | - | - | - | - | 1 | 1 |
| UA9 = 18 | 1* | 1* | 1* | 2* | 8 | 6 | 5 | 8 | 8 | 6 | 6 | 6 | 5 | 5 | 7 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | 8 | 9 | 8 | 8 | 5 | 6* | 8 | 8 | 8 | 6 | 2* | - | - | - | - | - | - | - | - | 3* | 3* | 2* |
| 4X = 20 | 9+ | 9+ | 9 | - | 5* | 4* | 5 | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 7 | 3* | 8 | 2 | 8 | 8 | 8 | 7 | 9 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1* | 1* | 2* | 9 | 9 | 5 | 6 | 8 | 6 | 6 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 |
| JT = 23 | 1* | 1* | 2* | 9 | 8 | 4 | 4* | 8 | 8 | 6 | 6 | 6 | 5 | 5 | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 9 | 9 | 9 | 8 | 5 | 2 | 4 | 5 | 6* | 6* | 5 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 2* | 2* |
| JA1 = 25 | 9 | 8 | 8 | 8 | 6 | 6* | 7* | 8 | 8* | 8 | 5 | 5* | 3* | 1* | 1* | 1* | 2* | 1* | - | - | 2* | 3* | 3* | 4 |
| HS = 26 | 8 | 9 | 9 | 8 | 4 | 1 | 4 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 9 | 9 | 8 | 6 | 4 | 3* | 4 | 5 | 7* | 7* | 6 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9 | 7 | 2* | 8 |
| YB = 28 | 9 | 9 | 8 | 5 | 1 | 1 | 1 | 3 | 7 | 6 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 5 | 8 | 8 | 6 | 4 | 2 | 4 | 5 | 5 | 5 | 4 | 4* | 2 | 1 | 1 | 2 | 4* | 6* | 6* | 6* | 5* | 5* | 5* | 5* |
| VK3 = 30 | 5 | 5 | 8 | 5 | 4 | 3* | 2 | 4 | 6* | 5* | 4 | 4* | 2* | 1* | 1* | 2* | 5* | 6* | 7* | 7* | 7* | 6* | 5* | 4* |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 8 | 5 | 4* | 2* | 2* | 2* | 2* | 2* | 6 | 5 | 7* | 8* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 4* | 6* | 6* | 6* | 8* | 8* | 8* | 6* | 5* | 4 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 1 | 5* | 4* | 4 | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 4* | 5* | 3* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 5 | - | - | 2* | 4* | 2* | 2 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| FR = 39 | 5 | 3 | 4* | 5 | 5 | 6 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| FJL = 40 | - | - | 1* | 3* | 4* | 4* | 6* | 5* | 2* | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 8 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Dec., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 8 | 8 |
| VO2 = 02 | 2 | - | - | - | 1 | 1 | - | - | - | - | - | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 4 |
| W6 = 03 | 9 | 9 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 8 | 5 | 3 | 1 | - | - | 1 | - | - | - | - | - | 5 | 7 | 7 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 2* | 4 | 1 | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| XE1 = 06 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 2* | 2* | 1* | - | - | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 7 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 8 | 7 | 6 | 5 |
| P4 = 09 | 6 | 7 | 7 | 7 | 6 | 3 | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 5* |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 4* | 5* | 2* | 2 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 5* | 4* | 2* | 4 | 6 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9 | 9 | 9+ | 8 | 4 | 1 | 1* | 6* | 2* | 2* | 5 | 6 | 4 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 5 | - | - | - |
| I = 15 | 5 | 4 | 6 | - | - | - | - | 5* | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 7 | 3 | 1 | - | 1 | 4 |
| UA3 = 16 | - | - | - | - | - | 4* | 2* | 3* | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 2 | - | - | - | - | - | - |
| UN = 17 | - | 3* | 4* | 4* | 8 | 2* | 1 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 6 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 2* | 2* | 3* | 2* | 2* | 2* | 7 | 8 | 8 | 7 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 4 | 8 | 8 | 5 | 3* | 4* | 5* | 8 | 8 | 3* | - | - | - | - | - | - | - | - | - | - | 2* | 5* | 4* |
| 4X = 20 | 9 | 9 | 6 | - | 5* | 3* | 2* | 7 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 6 | 6 | 8 | 9 |
| HZ = 21 | 9+ | 7 | 1 | 5* | 5 | 2* | 5 | 9 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | - | 3* | 4* | 9 | 7 | 2* | 2 | 7 | 7 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 5 | - |
| JT = 23 | 3* | 2* | 3* | 7 | 6 | 2* | 2* | 5 | 8 | 8 | 7 | 6 | 6 | - | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 7 | 9 | 8 | 7 | 3* | 3* | 2* | 6 | 5 | 6* | 6 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 2* | 4* |
| JA1 = 25 | 8 | 8 | 7 | 7 | 5* | 5* | 5* | 7 | 9 | 8* | 7* | 5* | 3* | 2* | 2* | 1* | 1* | - | - | - | 1* | 5* | 5* | 4* |
| HS = 26 | 4* | 8 | 9 | 5 | 2* | 1* | 1 | 5 | 7 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4* |
| DU = 27 | 9 | 9 | 8 | 5 | 3* | 3* | 3* | 5 | 6 | 8* | 7* | 6* | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | - | 4* | 5* |
| YB = 28 | 8 | 8 | 6 | 1 | 1* | - | - | 3 | 5 | 6* | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| VK6 = 29 | 5* | 4* | 5 | 2* | 1* | 1* | 1 | 4 | 5 | 6* | 5* | 4* | 2* | 2* | 2* | 3* | 5* | 5* | 3* | 1* | - | 2* | 5* | 6* |
| VK3 = 30 | 4* | 2* | 2* | 2* | 3* | 1* | - | 1 | 3* | 6* | 5* | 4* | 3* | 2* | 2* | 3* | 5* | 6* | 6* | 5* | 6* | 7* | 6* | 5* |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 8 | 2 | 3* | 5 | 5* | 4* | 3* | 2* | 2* | 3* | - | 1 | 7 | 6 | 8* | 8* | 6 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 8 | 7 | 6 | 4 | 5* | 5* | 5 | 6 | 6 | 8* | 7* | 6* | 5 | 6 |
| CN = 33 | 8 | 7 | 5 | 4 | - | - | - | - | 2 | 9+ | 9 | 9 | 9 | 6 | 7 | 8 | 9+ | 9+ | 8 | 5 | 3 | 4 | 6 | 7 |
| SU = 34 | 9 | 8 | 8 | - | 4* | 3* | 2* | 5 | 9 | 9 | 8 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 | 5 | 5 | 7 | 8 |
| 6W = 35 | 5 | 6 | 8 | 9 | 9 | 5 | - | - | 6 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5* | 2* | 2 | 2 |
| D2 = 36 | 9+ | 9+ | 9+ | 8 | 2 | 5* | 5 | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 7 | 1 | 4* | 5* | 3* | 1* | 4 | 7 | 4 | 3 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 2* | - | - | 1 | 2 | 1 | 6 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | 3 | 2 | 1 |
| FR = 39 | - | 1* | 4* | 3* | 2* | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 |
| FJL = 40 | - | - | 1* | 3* | 2* | 2* | 4* | 1* | - | 6 | 8 | 8 | 8 | 7 | 8 | 7 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Dec., Ascension Island, for SSN = Very High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 5 | 2 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 4 | - |
| W6 = 03 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| W9 = 04 | 5 | 1* | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| W3 = 05 | 2* | 1 | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 9 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 3 |
| XE1 = 06 | 7 | 3 | 1* | - | - | - | - | - | - | - | - | - | 1 | 8 | 4 | 7 | 6 | 7 | 8 | 7 | 6 | 5 | 5* | 5* |
| TI = 07 | 7 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | 1 | 8 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 |
| VP2 = 08 | 1 | 2 | 2 | 1 | - | - | - | - | - | - | 7 | 9 | 7 | 4 | 2 | 2 | 5 | 6 | 7 | 6 | 4 | 5* | 6* | 5* |
| P4 = 09 | 3* | 1 | 1 | 1 | - | - | - | - | - | - | 1 | 9 | 5 | 2 | 1 | 1 | 4 | 5 | 6 | 5 | 5* | 6* | 6* | 5* |
| HC = 10 | 6 | 7 | 7 | 6 | 5 | 2 | - | 2* | 4* | - | - | 9 | 4 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 7 | 6 | 6 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 3 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 7 | 7 | 6 | 6 | 1 | - | - | 2* | - | - | - | 1 | 1 | - | 2 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| LU = 13 | 4 | 5 | 6 | 2 | - | - | - | 2* | - | - | - | 1* | 1* | - | 3 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 8 | 6 |
| G = 14 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 2 | - | - | - | - |
| I = 15 | - | - | 1 | - | - | - | - | 1* | 3 | 9 | 9 | 4 | 1 | 1 | 1 | 2 | 4 | 3 | - | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | 1* | - | 1* | 5 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 5 | - | - | - | - | - | - | - |
| UN = 17 | - | 2* | 5* | 3* | 3 | 1* | - | 3 | 8 | 8 | 6 | 8 | 8 | 8 | 7 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 4* | 2* | 2* | 1* | - | - | 1 | 8 | 8 | 7 | 6 | 8 | 1 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 4* | 3 | 5 | 1 | 1* | 1* | 2* | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 1* | 6* | 4* |
| 4X = 20 | 5 | 4 | - | - | 2* | 1* | - | - | 8 | 6 | 2 | 2 | 2 | 3 | 4 | 6 | 7 | 7 | 5 | 2 | 1 | - | 2 | 5 |
| HZ = 21 | 8 | 2 | - | 6* | 3* | 1* | - | 5 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | - | 5* | 4* | 6 | 2 | - | - | 3 | 7 | 5 | 4 | 5 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - |
| JT = 23 | 4* | 3* | 3* | 2* | 1 | - | - | - | 6 | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5* | 9 | 7 | 4 | 2* | 1* | - | 2 | 5 | 4 | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | - | 2* | 5* |
| JA1 = 25 | 4* | 5 | 5 | 5 | 2* | 1* | 1* | 1 | 7 | 6* | 6* | 5* | 5* | 4* | 2* | 1* | 1* | - | - | - | - | 5* | 5* | 5* |
| HS = 26 | 5* | 6 | 8 | 4* | 2* | 1* | - | 1 | 7 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 5 | - | 4* |
| DU = 27 | 8 | 8 | 6 | 4* | 3* | 2* | - | 2 | 5 | 5 | 7* | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 2 | - | 5* | 5* |
| YB = 28 | 5 | 7 | 3 | 1* | - | - | - | - | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 3* |
| VK6 = 29 | 5* | 5* | 3* | 2* | 1* | - | - | 2 | 1 | 5* | 5* | 4* | 3* | 2* | 2* | 4* | 4* | 1* | - | - | - | - | 1* | 5* |
| VK3 = 30 | 4* | 4* | 3* | 3* | 2* | - | - | - | - | 6* | 5* | 5* | 4* | 3* | 3* | 4* | 4* | 4* | 3* | 2* | 3* | 5* | 6* | 5* |
| KH6 = 31 | 5 | 6 | 7 | 7 | 6 | 3 | - | 1* | 4* | 4* | 4* | 5* | 4* | 3* | 1* | - | - | 8 | 7 | 8* | 7* | 6* | 5* | 3 |
| KH8 = 32 | 6 | 7 | 8 | 8 | 6 | 5 | 3 | 3* | 8* | 7 | 8 | 6 | 6 | 4* | 2 | 2 | 4 | 6 | 7 | 7 | 7 | 6 | 6 | 5 |
| CN = 33 | 1 | - | - | - | - | - | - | - | - | 6 | 7 | 4 | 1 | - | - | 1 | 3 | 3 | 1 | 9 | 9 | - | - | - |
| SU = 34 | 4 | 3 | 2 | - | 1* | 1* | - | - | 6 | 5 | 1 | 1 | 1 | 2 | 2 | 5 | 6 | 6 | 4 | 1 | - | - | 1 | 4 |
| 6W = 35 | - | - | 1 | 7 | 6 | - | - | - | - | 8 | 9 | 7 | 7 | 7 | 6 | 5 | 5 | 4 | 5* | 5* | 1* | - | - | - |
| D2 = 36 | 9+ | 9 | 7 | 1 | - | 1* | - | 1 | 7 | 6 | 4 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 4 | 1 | - | 1* | 4* | 2* | - | - | - | - | 1* | 2 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 6 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 1 | - | - | - | - |
| FR = 39 | - | - | 2* | 2* | 1* | - | 1 | 4 | 6 | 6 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | - | - |
| FJL = 40 | - | - | - | 1* | - | - | 1* | - | - | - | 7 | 8 | 8 | 8 | 8 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jan., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| W6 = 03 | - | - | 2 | 3 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 4 | 5 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 2 | 4 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 3 | 5 | 4 | 5 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 4 | 4 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| P4 = 09 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| HC = 10 | 2 | 4 | 4 | 4 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 |
| CE = 12 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 4 | 4 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 3 | 3 | 3 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 4 |
| UN = 17 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| UA9 = 18 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 2 | 2 |
| HZ = 21 | 5 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 5 | 5 |
| VU = 22 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| FR = 39 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| FJL = 40 | 4 | 4 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jan., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | 1 | 1 | 4 | 5 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| W6 = 03 | - | 2 | 5 | 6 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| XE1 = 06 | 3 | 5 | 7 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 6 | 8 | 7 | 8 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 8 | 7 | 7 | 8 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| P4 = 09 | 8 | 8 | 7 | 7 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| HC = 10 | 5 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ |
| CE = 12 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| G = 14 | 7 | 7 | 7 | 6 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 |
| I = 15 | 6 | 6 | 6 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 6 | 7 |
| UN = 17 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 |
| UA9 = 18 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | - |
| 4X = 20 | 5 | 5 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 5 | 5 |
| HZ = 21 | 8 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 6 | 8 | 8 |
| VU = 22 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 5 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 4 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 6 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | - | - | - | - | - | - | - | - | - | 4 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| FR = 39 | 6 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 |
| FJL = 40 | 7 | 7 | 6 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jan., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 6 | 7 | 7 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 3 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 |
| XE1 = 06 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 8 | 8 | 9 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 7 | 7 | 8 |
| UA9 = 18 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 6 | 7 | 7 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 6 | 5 |
| 4X = 20 | 8 | 8 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 8 | 8 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 8 | 8 |
| VU = 22 | 7 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 7 | 8 | 8 |
| JT = 23 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 6 | 6 | 6 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 6 | 7 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 8 | 6 | 1 |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 5 | 4 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 2 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - |
| KH6 = 31 | - | - | - | 2 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9 |
| FR = 39 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 9 |
| FJL = 40 | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jan., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 4 | 4 | 5 | 6 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 |
| W9 = 04 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 | 2 | 1 | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | 2 | 4 | 8 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 2 | 6 | 7 | 5 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 5 | 2 | 2 | 1 | - | - | - | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 | 6 | 6 |
| 4X = 20 | 9 | 9 | 8 | 7 | 8 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 6 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 4 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 5 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 7 | 6 |
| VR2 = 24 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 7 | 6 |
| JA1 = 25 | 1 | 1 | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 4 | 6 | 6 |
| HS = 26 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 8 | 8 | 8 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 7 | 7 | 5 |
| YB = 28 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 6 | 5 | 1 | - |
| KH6 = 31 | - | 1 | 4 | 6 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 8 | 7 | 3 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 5 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 2 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9+ | 9 |
| FR = 39 | 9 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 7 | 6 | 3 | 1* | 1 | 5 | 5 | 1 | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 6 | 7 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jan., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 8 | 5 | 2* | 3* | 1 | 1 | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 8 | 9 | 9 | 9 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | 1* | 5 | 8 | 7 | 2 | 1 | 1 | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 5 | 6 | 7 | 8 | 7 | 5 | - | - | - | - | - | - | 1 | 1 | 2 | 4 | 6 | 8 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | - | 4 | 3 | 1 | - | - | 1 | 1 | 4 | 5 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 4 | 4 | 6 | 3 | 1 | - | 1 | 2 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | - | 2 | 2 | 1 | - | - | - | - | 1 | 3 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | 1 | 6 | 3 | 2 | 1 | - | - | 1 | 3 | 5 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 1* | 6 | 9 | 8 | 6 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | 1 | 9 | 8 | 6 | 4 | 2 | 2 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 3 | 6 | 6 | 4 | 2 | 1 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 9 | 9 | 6 | 1 | 1 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| I = 15 | 9+ | 9+ | 9+ | 9 | 6 | 1 | 4 | 9 | 9 | 7 | 4 | 2 | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 7 | 7 | 6 | 3 | 2* | 5 | 7 | 9 | 7 | 4 | 2 | 1 | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 8 | 8 | 7 | 5 | 6 |
| UN = 17 | 8 | 6 | 6 | 8 | 8 | 8 | 6 | 4 | 1 | 1 | - | - | - | 1 | 2 | 5 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 |
| UA9 = 18 | - | - | 1* | 5 | 8 | 7 | 6 | 6 | 8 | 2 | 1 | - | - | - | 1 | 4 | - | - | 1 | 4 | 7 | 7 | 7 | 3 |
| UA0 = 19 | 8 | 8 | 8 | 5 | 6 | 6 | 6 | 5 | 5 | 5* | 1 | - | - | - | - | - | - | 5 | 6 | 6 | 5 | 2 | 2* | 4 |
| 4X = 20 | 9+ | 9+ | 9 | 5 | 1 | 8 | 8 | 8 | 8 | 4 | 2 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 5 | - | 8 | 8 | 6 | 7 | 6 | 1 | 1 | 2 | 1 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1 | - | 3 | 8 | 8 | 6 | 4 | 1 | 1 | - | - | 1 | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| JT = 23 | 1* | 1 | 8 | 8 | 7 | 5 | 5 | 4 | 8 | 2* | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 3 | 1* |
| VR2 = 24 | 8 | 8 | 6 | 2 | 1 | - | - | 2* | 3* | 3* | 2* | - | - | - | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 5 | 5 |
| JA1 = 25 | 8 | 6 | 5 | 3 | 3 | 4 | 5* | 6* | 6* | 5* | 1* | - | - | - | - | - | 1 | 4 | 5 | 4 | 2* | 2* | 2 | 8 |
| HS = 26 | 8 | 9 | 8 | 7 | 4 | - | - | - | 1 | 1 | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 8 | 7 | 5 | 1 | - | - | 1* | 2* | 4* | 4* | 3* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 8 |
| YB = 28 | 9 | 9 | 8 | 3 | 1 | - | - | - | 2* | 1* | 1* | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 8 | 8 | 6 | 4 | 1 | 1 | - | - | 1 | - | 1* | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 5 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 8 | 2* | 1 | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 8 | 8 | 7 | 6 |
| KH6 = 31 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 6 | 4 | 1 | - | - | - | - | - | 1 | 8 | 6* | 4* | 1 | 1 | 2 |
| KH8 = 32 | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | 4* | 5* | 8 | 6* | 6* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 7 | 9 | 9 | 7 | 5 | 4 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 7 | 1* | 8 | 8 | 9 | 8 | 5 | 3 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 8 | 7 | 8 | 9 | 9 | 7 | 4 | 3 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9 | 7 | 5 | 4 | 7 | 9 | 9 | 9 | 7 | 6 | 5 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 8 | 9 | 8 | 7 | 6 | 5 | 2 | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ |
| FJL = 40 | 2 | 1 | 1 | 1* | 1* | 1* | 2* | 2* | 7 | 6 | 4 | 2 | 1 | 1 | 1 | 3 | 7 | 8 | - | 1 | - | - | 1 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jan., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 6 | 2 | 2* | 2* | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 6 | 2 | 1 | 1 | 5 | 5 | 2 | - | - | - | 3 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 7 | 3 | 1* | 1 | 3 | 4 | 4 | - | - | - | - | 3 | 4 | 5 | 6 | 5 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 8 | 5 | 4 | 4 | 5 | 5 | 5 | 3 | - | - | 7 | 5 | 3 | 3 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 9 | 5 | 6 | 1 | 1 | 5 | 6 | 2 | 2 | - | - | 8 | 8 | 5 | 4 | 3 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9+ | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 3 | - | - | - | 7 | 6 | 4 | 3 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1* | 1* | - | 8 | 7 | 6 | 6 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | 9+ | 9 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | 9 | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 2* | 5 | 8 | 7 | 4 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 3 | 1 | 2 | 3 | - | - | - | 2 | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 7 | 5 |
| I = 15 | 9+ | 9 | 8 | 6 | - | - | 2* | 7 | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | - | 1 | - | - | 2* | 4* | 4* | 8 | 9 | 8 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 8 | 5 | 2 | 1 | - | - |
| UN = 17 | 2 | 1 | 1 | 7 | 9 | 6 | 5 | 8 | 7 | 8 | 5 | 5 | 5 | 6 | 7 | 8 | 6 | 4 | 1 | 1 | 2 | 2 | 5 | 5 |
| UA9 = 18 | 1* | 1* | 1* | 1* | 8 | 5 | 3 | 8 | 7 | 6 | 5 | 5 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 5 | 9 | 8 | 8 | 8 | 5* | 6* | 8 | 7 | 6 | 5 | - | - | - | - | - | - | - | 1 | 1 | - | 2* | 3* | 2* |
| 4X = 20 | 9+ | 9+ | 6 | - | 5* | 4 | 3 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 6 | - | 2* | 2 | 6 | 6 | 8 | 7 | 6 | 6 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | - | 1* | 2* | 9 | 8 | 6 | 5 | 7 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | - |
| JT = 23 | 1* | 1* | 2 | 9 | 8 | 4 | 3 | 7 | 7 | 5* | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 8 | 9 | 8 | 7 | 5 | 2 | 3 | 5 | 7 | 7 | 4* | 4* | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 2* | 2* |
| JA1 = 25 | 9 | 8 | 7 | 6 | 6 | 5* | 6* | 7 | 8* | 7* | 7* | 5* | 3* | - | - | 1* | 1* | - | - | - | - | 4* | 3* | 7 |
| HS = 26 | 2 | 9 | 9 | 8 | 5 | 2 | 4 | 5 | 5 | 8 | 4 | 4 | 3 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 3 |
| DU = 27 | 9 | 9 | 8 | 6 | 4 | 2 | 3 | 8 | 7 | 7 | 5* | 5* | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 6 | 2* | 5 |
| YB = 28 | 9 | 9 | 8 | 6 | 4 | 1 | 2 | 1 | 2 | 9 | 4 | 4* | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 7 | 9 | 8 | 7 | 6 | 3 | 6 | 6 | 9 | 8 | 4 | 4 | 4 | 4 | 5 | 6 | 7 | 5 | 5* | 5* | 3* | 3* | 3* | 3* |
| VK3 = 30 | 8 | 8 | 7 | 6 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 4 | 2 | 1 | 1 | 1 | 4* | 4* | 5* | 6* | 6* | 6 | 8 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 7 | 4* | 3* | 2* | - | - | 1* | 1* | 2 | 7 | 6 | 8* | 7* | 5 | 6 | 7 |
| KH8 = 32 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | 3* | 5* | 5* | 6 | 6 | 8* | 8* | 6* | 5* | 2 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 3 | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 8 | - | 4* | 3 | 3 | 9+ | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 8 | 7 | 3* | 3* | 3 | 7 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 6 | 1 | 1 | 1* | 2* | 2* | 5 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| FR = 39 | 8 | 7 | 3 | 5 | 8 | 7 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| FJL = 40 | - | 1* | 2* | 2* | 3* | 4* | 5* | 5* | 4* | 8 | 8 | 5 | 4 | 4 | 5 | 7 | 5 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jan., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 4 | 1 | 1* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 8 | 8 |
| VO2 = 02 | 1 | - | - | - | - | 1 | - | - | - | - | - | 7 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 7 |
| W6 = 03 | 9 | 9 | 7 | 2 | 1* | - | - | - | - | 1 | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 8 | 2 | - | - | - | 1 | 1 | 1 | - | - | - | 4 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 7 | 1 | 1 | - | - | 1 | 2 | - | - | - | - | 5 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| XE1 = 06 | 9 | 8 | 4 | 2 | 2 | 2 | 1 | 2 | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | 5 | 8 | 7 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | 9+ | 9+ | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | - | - | - | 5 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 4* | 4* | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5* | 4* | 2* | 7 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 5* | 4* | 2* | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 | 7 | 5 | 2 | - |
| I = 15 | 8 | 6 | 4 | 1 | - | - | - | 4* | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| UA3 = 16 | - | - | - | - | - | 4* | 3* | 3* | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 5 | 3 | 1 | - | - | - | - |
| UN = 17 | - | 2* | 2* | 3 | 8 | 4 | 2 | 7 | 8 | 7 | 6 | 6 | 6 | 7 | 8 | 7 | 1 | - | - | - | - | - | 1 | 1 |
| UA9 = 18 | 2* | 1* | 2* | 2* | 2* | 3* | 2* | 6 | 8 | 7 | 7 | 6 | 6 | 6 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 7 | 8 | 8 | 5 | 4* | 5* | 5* | 8 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4* | 3* |
| 4X = 20 | 9 | 7 | - | - | 5* | 4* | 2* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 6 | 1 | - | 5* | 3* | 2 | 2 | 9 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | - | 3* | 3* | 7 | 8 | 3 | 4 | 6 | 7 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 5 | 1 | 1 | - | - |
| JT = 23 | 2* | 2* | 2* | 8 | 7 | 3* | 3* | 4 | 7 | 7 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5 | 9 | 8 | 7 | 4 | 2* | 2 | 5 | 5 | 6* | 6* | 5* | 6 | 6 | 7 | 8 | 9 | 9 | 8 | 7 | 6 | 2 | 1* | 3* |
| JA1 = 25 | 8 | 8 | 7 | 7 | 5 | 5* | 5* | 7 | 8 | 8* | 7* | 5* | 5* | 3* | 1* | - | - | - | - | - | - | 4* | 4* | 3* |
| HS = 26 | 3* | 7 | 8 | 6 | 3 | 1 | 2 | 5 | 6 | 6 | 5 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 2* |
| DU = 27 | 9 | 8 | 7 | 5 | 2 | 2* | 2 | 5 | 5 | 7* | 7* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | - | 2* | 4* |
| YB = 28 | 9 | 8 | 6 | 5 | 2 | 1* | 1 | 4 | 5 | 6 | 6* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| VK6 = 29 | 5* | 7 | 6 | 6 | 2 | 1* | 1 | 1 | 6 | 6* | 4* | 4* | 3 | 2 | 2 | 3* | 4* | 5* | 5* | 1* | - | 1* | 4* | 5* |
| VK3 = 30 | 6 | 6 | 5 | 5 | 2 | 2 | 3 | 5 | 6 | 5 | 4 | 5* | 3* | 2* | 2* | 3* | 4* | 5* | 5* | 5* | 6* | 6* | 5* | 5 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 2* | 4* | 5* | 4* | 4* | 2* | 2* | 1* | - | - | 6 | 6 | 8* | 7* | 6 | 7 | 7 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 6 | 5 | 4* | 4* | 4 | 5 | 5 | 8* | 8* | 7* | 5 | 5 |
| CN = 33 | 9+ | 9 | 6 | 4 | - | - | - | - | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9 | 2 | - | 3* | 4* | 2* | 4 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 5 | 2 | 2 | 3* | 4* | 2* | 3 | 7 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| ZS6 = 38 | - | - | - | 1* | 4* | 2* | 1 | - | 5 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 4 | 1 |
| FR = 39 | 4 | 2 | 4* | 3* | 6 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| FJL = 40 | - | - | 1* | 4* | 4* | 4* | 4* | 4* | 1* | 1 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jan., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 1* | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 7 | 5 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 6 | 4* | 2 |
| W6 = 03 | 9 | 8 | 2 | 1* | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 2 | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| XE1 = 06 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 8 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 |
| TI = 07 | 9 | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | - | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 6 | 6 | 5 | 3 | 4 | - | - | - | - | - | 2 | 9+ | 9 | 5 | 5 | 5 | 6 | 7 | 9 | 9 | 8 | 7 | 6 | 6 |
| P4 = 09 | 5 | 5 | 5 | 4 | 5 | 1 | - | - | - | - | - | 9 | 7 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 8 | 7 | 6 | 5 |
| HC = 10 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | 4* | - | - | - | 8 | 6 | 4 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 1* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 8 | 6 | 6 | 4 | 2 | - | 2* | 2* | 1* | 4 | 5 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| LU = 13 | 7 | 7 | 6 | 3 | 5 | 2 | 1 | - | 2* | 1* | 1 | 4 | 2 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| G = 14 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 8 | 8 | 7 | 9 | 8 | 8 | 9+ | 8 | 5 | 2 | - | - | - |
| I = 15 | 2 | 1 | - | - | - | - | - | 1* | 6 | 9 | 9 | 8 | 2 | 1 | 1 | 5 | 9 | 9 | 7 | 6 | 6 | 9 | 7 | 5 |
| UA3 = 16 | - | - | - | - | - | 2* | 1* | 1* | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - |
| UN = 17 | - | 2* | 5* | 3* | 7 | 2* | 1 | 1* | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 4* | 2* | 2* | 2* | 1* | 1* | 2* | 8 | 8 | 7 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 3* | 5 | 5 | 3* | 2* | 2* | 4* | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4* | 5* | |
| 4X = 20 | 5 | - | - | - | 2* | 4* | 1* | - | 9 | 9 | 5 | 4 | 4 | 5 | 6 | 7 | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9 |
| HZ = 21 | - | - | - | 5* | 3* | 2* | 1* | 3 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 |
| VU = 22 | - | 3* | 4* | 3* | 5 | 1* | 1 | - | 7 | 6 | 4 | 6 | 6 | 8 | 8 | 9 | 9 | 8 | 3 | - | - | - | - | - |
| JT = 23 | 4* | 3* | 3* | 2* | 4 | 2* | 2* | 3* | 7 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 9 | 6 | 5 | 2* | 2* | 1 | 1 | 5 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 5 | 2 | 1 | - | - | 5* |
| JA1 = 25 | 5 | 7 | 4* | 5 | 4* | 3* | 3* | 3* | 4 | 6* | 7* | 6* | 5* | 2* | - | - | - | - | - | - | - | 4* | 5* | 4* |
| HS = 26 | 5* | 5* | 5 | 4 | 2* | 1* | 1 | - | 7 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | - | 2* |
| DU = 27 | 8 | 7 | 5 | 4 | 2* | 2* | 1 | 2 | 6 | 6 | 6* | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | 3* | 5* |
| YB = 28 | 7 | 5 | 3* | 4 | 1 | - | 1 | - | 3 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 3 | 6 |
| VK6 = 29 | 4* | 4* | 3* | 3 | 1 | - | 1 | - | 1 | 5* | 5* | 4* | 3* | 2* | 2* | 3* | 3* | 1* | - | - | - | - | - | 4* |
| VK3 = 30 | 4* | 3* | 2* | 2 | 1 | - | - | - | 1 | 5* | 5* | 5* | 3* | 2* | 2* | 2* | 2* | 2* | 1* | 1* | 2* | 5* | 6* | 5* |
| KH6 = 31 | 7 | 8 | 8 | 8 | 8 | 6 | 1 | - | 4* | 5* | 4* | 4* | 2* | 1* | - | - | - | 6 | 8 | 7 | 8* | 6 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 7* | 7 | 8 | 7 | 5 | 4* | 3* | 1 | 1 | 5 | 7 | 7 | 8* | 7* | 6 | 6 |
| CN = 33 | 6 | 1 | - | - | - | - | - | - | - | 9+ | 9 | 6 | 1 | - | - | 4 | 7 | 8 | 7 | 7 | 6 | 7 | 8 | 8 |
| SU = 34 | 7 | 1 | - | - | 1* | 4* | 1* | - | 9 | 9 | 2 | 4 | 4 | 4 | 5 | 7 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9+ |
| 6W = 35 | 9 | 7 | 5 | 8 | 5 | - | - | - | - | 9 | 9+ | 9 | 7 | 7 | 7 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 |
| D2 = 36 | 9+ | 9 | 9 | 8 | 6 | 2 | 5 | - | 8 | 8 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | - | 4* | 2* | - | - | 1 | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 7 | 1 |
| ZS6 = 38 | - | - | - | - | 2* | 1* | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 | 7 | 8 | 7 | 5 | 2 | - | - | - |
| FR = 39 | - | - | 3* | 2* | 2 | 1 | 3 | 2 | 8 | 6 | 7 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | 1 |
| FJL = 40 | - | - | - | 1* | 2* | 1* | 1* | - | - | - | 2 | 7 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jan., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 3 | 2* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 7 | 8 | 7 | 7 | 5 | 5 | 2 | - | - |
| W6 = 03 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| W9 = 04 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 8 |
| W3 = 05 | 1* | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 4 |
| XE1 = 06 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 3 | 4 | 5 | 6 | 7 | 7 | 6 | 5 | 4 | 8 |
| TI = 07 | 6 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | 7 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 6 |
| VP2 = 08 | 1 | 1 | - | - | 1 | - | - | - | - | - | - | 9 | 4 | 1 | 1 | 1 | 2 | 4 | 5 | 5 | 4* | 3* | 4* | 2* |
| P4 = 09 | - | - | - | - | 1 | - | - | - | - | - | - | 9 | 3 | 1 | 1 | 1 | 1 | 2 | 4 | 5 | 4* | 4* | 3* | 3* |
| HC = 10 | 5 | 5 | 5 | 3 | 4 | 2 | - | - | - | - | - | 2 | 4 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 7 | 6 | 5 |
| PY1 = 11 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | 2 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 5 | 5 | 4 | 1 | 2 | 1 | - | - | - | 1* | - | - | - | 1 | 2 | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 |
| LU = 13 | 3* | 1 | 1 | 1* | 1 | - | - | - | - | 1* | - | - | - | - | 4 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 6* | 4* |
| G = 14 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 9 | 8 | 8 | 9 | 9 | 8 | 3 | 1 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 6 | 3 | 2* | 1* | 1* | - | - | 1 | 1 | - | 1 | 1 | 6 | 2 | 1 |
| UA3 = 16 | - | - | - | - | - | 1* | - | - | 1 | 9 | 8 | 7 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - |
| UN = 17 | - | - | 4* | 2* | 4 | 1* | - | - | 6 | 6 | 1 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 3* | 1* | 1* | 1* | - | - | - | 6 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 1* | 1* | 1 | 1* | 1* | 1* | 1* | 8 | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 5* | |
| 4X = 20 | - | - | - | - | - | 2* | 1* | - | 1 | 2 | 1* | 2* | 2* | 1 | 2 | 4 | 6 | 6 | 5 | 2 | 3 | 5 | 9 | 4 |
| HZ = 21 | - | - | - | 1* | 3* | 1* | - | - | 7 | 6 | 2 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |
| VU = 22 | - | 2* | 4* | 1* | 2 | 1* | - | - | 4 | 3 | 1* | 4 | 5 | 7 | 9 | 9 | 8 | 4 | - | - | - | - | - | - |
| JT = 23 | 2* | 2* | 1* | 1* | 2 | 2* | 1* | 1* | 3 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 7 | 3* | 2 | 2* | 1* | - | - | 1 | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | 6* |
| JA1 = 25 | 3* | 4 | 2* | 3 | 2* | 1* | 1* | 1* | - | 2* | 6* | 6* | 4* | 1* | - | - | - | - | - | - | - | 1* | 5* | 5* |
| HS = 26 | 4* | 5* | 4* | 2 | 2* | 1* | - | - | 5 | 4 | 2 | 7 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 2 | - | - | 1* |
| DU = 27 | 5* | 5 | 5* | 2 | 2* | 2* | 1 | - | 2 | 1 | 4* | 5 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | 2* | 5* |
| YB = 28 | 4 | 2* | 1* | 1 | 1* | - | - | - | - | 2 | 4* | 7 | 7 | 6 | 6 | 7 | 7 | 8 | 7 | 6 | 2 | 1 | - | 3 |
| VK6 = 29 | 1* | 1* | 2* | 1 | 1* | - | - | - | - | - | 4* | 2* | 1* | 1* | 1* | 1* | - | - | - | - | - | - | - | - |
| VK3 = 30 | 4* | 4* | 1* | 1* | - | - | - | - | - | 4* | 4* | 4* | 2* | 2* | 2* | 1* | 1* | - | - | - | - | 2* | 3* | 4* |
| KH6 = 31 | 4 | 5 | 6 | 4 | 5 | 2 | - | - | 1* | - | 1* | 4* | 1* | - | - | - | - | 4 | 8 | 7 | 6 | 5* | 4 | 3 |
| KH8 = 32 | 5 | 6 | 6 | 5 | 6 | 6 | 4 | 3 | 6* | 6* | 7 | 5 | 4* | 2* | 1* | - | - | 1 | 6 | 7 | 7 | 7 | 6 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1 | 3 | 1* | 1* | 9 | - | 1* | 1* | 1 | - | 1 | 1 | 1 | 2 | 1 |
| SU = 34 | 1 | - | - | - | - | 2* | 1* | - | - | 1 | 1* | 2* | 2* | 1 | 1 | 3 | 5 | 5 | 4 | 1 | 2 | 4 | 5 | 7 |
| 6W = 35 | 3 | - | - | 1 | - | - | - | - | - | 3 | 6 | 1 | 2 | 5 | 4 | 2 | 1 | 4* | 5* | 3 | 2 | 2 | 5 | 5 |
| D2 = 36 | 8 | 5 | 7 | 5 | 1 | 1* | 1 | - | - | - | - | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| 5Z = 37 | - | - | - | - | 2* | 1* | - | - | - | - | - | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 7 | 8 | 6 | 1 | - |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | 1* | - | 1 | 3 | 2 | 1 | 2 | 2 | 2 | 1 | - | - | - | - |
| FR = 39 | - | - | 1* | 1* | 1* | - | 1 | - | 1 | - | 1* | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 1 | - | - |
| FJL = 40 | - | - | - | - | 1* | - | - | - | - | - | - | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Feb., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 6 | 6 | 3 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | - | 2 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 4 | 5 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 2 | - | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 1 | 4 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 3 | 2 | 4 | 4 | 4 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 9 | 9 | 9 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| CE = 12 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 4 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 3 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 3 | 4 |
| UA3 = 16 | 4 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 |
| UN = 17 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | 3 | 2 |
| HZ = 21 | 3 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| VU = 22 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 6 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| FJL = 40 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Feb., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | 1 | 1 | 4 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 9 | 9 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| W6 = 03 | - | 1 | 2 | 5 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| XE1 = 06 | 2 | 5 | 2 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 4 | 7 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 7 | 7 | 6 | 7 | 7 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| HC = 10 | 6 | 5 | 7 | 7 | 7 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 |
| CE = 12 | 5 | 5 | 6 | 6 | 6 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 8 | 8 | 7 | 7 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| G = 14 | 7 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 6 | 6 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 6 | 7 |
| UA3 = 16 | 7 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 |
| UN = 17 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 |
| UA9 = 18 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 | - | 1 | - |
| 4X = 20 | 5 | 5 | 5 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 4 | 6 | 5 |
| HZ = 21 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 |
| VU = 22 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 5 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - |
| VK3 = 30 | - | - | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 |
| FJL = 40 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Feb., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 |
| W6 = 03 | 3 | 6 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| XE1 = 06 | 7 | 7 | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 8 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 7 | 7 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 6 | 2 |
| 4X = 20 | 8 | 8 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 | 9 | 8 |
| HZ = 21 | 9 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 8 | 9 | 9 |
| VU = 22 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 6 | 8 | 8 | 8 |
| JT = 23 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 7 | 7 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 6 | 7 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 5 | 1 |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 6 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 5 | 5 | 4 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 1 | - | - |
| KH6 = 31 | - | - | - | 1 | 4 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 8 | 9 | 9 | 9 | 8 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | - | - | - | - | - | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| FJL = 40 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Feb., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 7 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 2 | 3 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 |
| W6 = 03 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 1 | 4 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1 | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 1 | 1 | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 7 | 6 | 2 | 1 | - | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 4 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 7 | 6 | 6 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| VU = 22 | 8 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 6 | 7 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 | 6 | 3 |
| HS = 26 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 6 | 7 | 6 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 5 | 6 | 1 | 1 |
| KH6 = 31 | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 6 | 2 | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 1 | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| FR = 39 | 9 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 7 | 7 | 4 | - | 1* | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Feb., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 9 | 8 | 5 | 2* | 2* | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 8 | 8 | 6 | 3 | 1 | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 9 | 8 | 5 | - | - | - | - | - | - | 1* | 1 | 1 | 2 | 5 | 7 | 8 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 6 | 4 | 1 | 1 | - | 1 | 1 | 3 | 5 | 6 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | 8 | 7 | 4 | 1 | - | - | 1 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | - | 2 | 2 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | - | - | 7 | 4 | 1 | - | - | - | 1 | 3 | 4 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1* | 7 | 9 | 8 | 6 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | 1 | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 6 | 6 | 3 | 1 | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 8 | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 6 | 3 | 2 | 1 | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 3 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 5 | 9+ | 9 | 7 | 4 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 7 | 1 | 6 | 9 | 9 | 6 | 3 | 1 | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 8 | 8 | 6 | 5 | 8 | 7 | 9 | 6 | 3 | - | - | - | 1 | 1 | 3 | 7 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| UN = 17 | 9 | 8 | 8 | 9 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | 1 | 1 | 4 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| UA9 = 18 | 1 | - | 2 | 8 | 8 | 7 | 5 | 5 | 3 | 1 | - | - | - | - | 1 | 3 | 7 | 5 | 3 | 3 | 5 | 7 | 7 | 5 |
| UA0 = 19 | 9 | 8 | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 4* | 1* | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 4 | 5 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 8 | - | 9 | 8 | 8 | 6 | 3 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 1 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| VU = 22 | 7 | - | 3 | 8 | 7 | 6 | 2 | 1 | - | - | - | - | - | 1 | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 1 | 8 | 9 | 8 | 5 | 4 | 3 | 2 | 2 | 2* | - | - | - | - | 1 | 2 | 4 | 2 | 2 | 5 | 8 | 8 | 8 | 3 |
| VR2 = 24 | 8 | 8 | 6 | 2 | - | - | - | 1* | 2* | 2* | 1* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 5 | 3 |
| JA1 = 25 | 7 | 5 | 3 | 2 | 1 | 2 | 5* | 6* | 6 | 5* | 2* | - | - | - | - | - | 4 | 6 | 8 | 8 | 5 | 4 | 8 | 8 |
| HS = 26 | 8 | 9 | 8 | 6 | 2 | - | - | - | 1* | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 7 | 5 | 1 | - | - | 1* | 3* | 5* | 4* | 2* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 5 | 8 |
| YB = 28 | 9 | 8 | 8 | 4 | 1 | - | - | - | 2* | 1* | 1* | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 8 | 8 | 6 | 4 | 2 | 1 | - | - | 1 | 1 | 1* | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 | 8 | 7 | 6 | 7 |
| VK3 = 30 | 5 | 4 | 2 | 1 | 1 | 2 | 2 | 5 | 8 | 2 | 1 | 1 | - | - | - | 1 | 3 | 3 | 3 | 5 | 8 | 8 | 8 | 7 |
| KH6 = 31 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 6 | 3 | - | - | - | - | 1* | 1 | 8 | 5* | 3* | 1* | 1 | 1 |
| KH8 = 32 | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 4* | 6* | 8 | 6* | 5* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | 9+ | 9 | 8 | 6 | 4 | 2 | 2 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 1 | 9 | 8 | 8 | 8 | 4 | 2 | 1 | 1 | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 8 | 6 | 8 | 9 | 9 | 7 | 3 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 7 | 6 | 4 | 2 | 7 | 9 | 9 | 9 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 8 | 9 | 8 | 7 | 5 | 4 | 1 | - | 1 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 2 | 1 | 1* | 1* | 1* | 1* | 1* | 8 | 8 | 6 | 3 | 2 | 1 | - | 1 | 2 | 5 | 8 | 9 | 8 | 6 | 4 | 3 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Feb., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 8 | 7 | 5 | 1* | 3* | 1* | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 8 | 7 | 4 | 7 | 8 | 7 | 5 | 1 | - | 5 | 8 | 8 | 7 | 5 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 5 | 5 | 5 | 5 | 7 | 6 | - | - | - | - | 3 | 1 | 2 | 7 | 4 | 5 | 6 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 7 | 5 | - | - | 8 | 5 | 3 | 3 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 7 | 8 | 8 | 7 | 8 | 8 | 5 | 5 | - | 1 | 8 | 7 | 5 | 4 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | 7 | 4 | 5 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2* | 1* | - | 8 | 7 | 5 | 4 | 4 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | 1* | - | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 2* | 3 | 8 | 8 | 6 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ | 9 | 8 | 8 | 7 | 7 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 7 | 6 | 7 | 8 | 5 | - | - | 8 | 9 | 9 | 8 | 6 | 5 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| I = 15 | 9+ | 9+ | 9+ | 8 | 1 | - | 4* | 9+ | 9 | 9 | 8 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 3 | 3 | 2 | 1* | 4* | 4 | 3* | 9 | 9 | 8 | 9 | 5 | 4 | 4 | 5 | 8 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 2 |
| UN = 17 | 5 | 4 | 5 | 9 | 9 | 7 | 5 | 7 | 5 | 3 | 3 | 3 | 2 | 4 | 5 | 7 | 8 | 8 | 6 | 5 | 5 | 5 | 7 | 7 |
| UA9 = 18 | - | - | 1* | 5 | 9 | 5 | 4 | 7 | 7 | 6 | 4 | 3 | 2 | 3 | 4 | 6 | 1 | - | - | - | - | - | - | 1* |
| UA0 = 19 | 8 | 8 | 8 | 7 | 7 | 4 | 5* | 8 | 7* | 7* | 5 | 4 | - | - | - | - | - | 1 | 1 | 1 | - | 2* | 2* | 4 |
| 4X = 20 | 9+ | 9+ | 9 | 2* | 2* | 5 | 5 | 9 | 8 | 8 | 5 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 4 | 1* | 2 | 7 | 6 | 8 | 7 | 5 | 4 | 5 | 7 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1* | - | 1* | 9 | 9 | 6 | 6 | 5 | 3 | 2 | 4 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| JT = 23 | 1* | - | 8 | 9 | 8 | 4 | 4 | 6 | 6 | 5 | 3* | 4 | 4 | 3 | 5 | - | - | - | - | - | 2 | 2 | 1 | 1* |
| VR2 = 24 | 7 | 8 | 8 | 6 | 4 | 2 | 2 | 3* | 6 | 6 | 5* | 1* | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 1* | 1* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 6 | 5* | 6* | 7* | 8* | 8* | 6* | 5* | 1* | - | - | - | 2* | 1 | 3 | 1 | - | 3* | 5 | 9 |
| HS = 26 | 2 | 9 | 9 | 8 | 5 | 2 | 3 | 2 | 4 | 8 | 3* | 2 | 3 | 2 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 |
| DU = 27 | 9 | 9 | 8 | 6 | 4 | 2 | 4* | 4* | 7 | 7* | 5* | 4* | 1 | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 2* | 2 |
| YB = 28 | 9 | 9 | 8 | 6 | 2 | 1 | 1 | 1 | 2 | 8 | 4* | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 6 | 8 | 6 | 6 | 4 | 2 | 4 | 6 | 8 | 8 | 4* | 3 | 3 | 3 | 5 | 5 | 4 | 4* | 5* | 4* | 1* | 2* | 2* | 1* |
| VK3 = 30 | 8 | 8 | 6 | 6 | 5 | 4 | 5 | 7 | 7 | 6 | 6 | 4 | 2 | - | - | 1* | 4* | 4* | 5* | 5* | 6* | 5 | 8 | 8 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2* | 7 | 5 | 4 | - | - | 1* | 2* | 3 | 7 | 6 | 8* | 7* | 5 | 5 | 6 |
| KH8 = 32 | 2 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 2 | 1 | 5* | 6* | 6* | 7* | 8* | 7 | 5* | 4* | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 1* | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 4 | 3* | 5 | 5 | 9+ | 9 | 8 | 7 | 7 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 8 | 4* | 3* | 2 | 7 | 9 | 9 | 8 | 8 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 2 | - | - | 1* | 3* | 2* | 6 | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| FR = 39 | 8 | 7 | 4 | 5 | 7 | 7 | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 1* | 1* | 2* | 1* | 3* | 3* | 4* | 4* | 8 | 8 | 8 | 5 | 3 | 3 | 4 | 5 | 8 | 8 | 3 | 3 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Feb., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 6 | 5 | 3 | 1 | - | 1* | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 8 |
| VO2 = 02 | 5 | 1 | 1 | 2 | 5 | 3 | 1 | - | - | - | 2 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 |
| W6 = 03 | 9 | 9 | 9 | 6 | 1 | - | 1 | 1 | 3 | 4 | - | - | - | - | 3 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 7 | 4 | 2 | 1 | 3 | 2 | 2 | - | - | - | 6 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 8 | 2 | 5 | 5 | 2 | 4 | 4 | 1 | 1 | - | - | 7 | 8 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9 | 9+ | 9 | 8 | 8 | 6 | 4 | 5 | 1* | - | - | - | 5 | 7 | 8 | 9 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | 1* | - | - | 4 | 8 | 8 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | 9+ | 9+ | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | 5 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 5 | 2* | - | 8 | 8 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 8 | 9 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5* | 4* | 2* | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 6 | 5* | 4* | 2 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 2 | 1 | 1 | 2 | - | - | - | - | 9 | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 8 | 7 | 4 |
| I = 15 | 9 | 9 | 8 | 4 | - | - | 3* | 2 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | - | - | - | - | 4* | 2* | 2* | 5 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - |
| UN = 17 | - | 1 | 2* | 7 | 9 | 5 | 3 | 7 | 6 | 5 | 6 | 6 | 7 | 7 | 8 | 9 | 8 | 5 | 1 | 1 | 1 | 1 | 1 | 2 |
| UA9 = 18 | 1* | 1* | 1* | 2* | 8 | 2 | 2* | 5 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - |
| UA0 = 19 | 6 | 9 | 9 | 8 | 8 | 3* | 3* | 7 | 7 | 7* | 7 | 2 | - | - | - | - | - | - | - | - | - | 2* | 4* | 2* |
| 4X = 20 | 9 | 9+ | 7 | 1* | 4* | 3* | 1 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 1* | 3* | 2* | 3 | 3 | 7 | 8 | 7 | 7 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| VU = 22 | - | 1* | 2* | 8 | 8 | 4 | 4 | 7 | 5 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 1 |
| JT = 23 | 1* | 1* | 4 | 9 | 7 | 2 | 2* | 6 | 7 | 5 | 6 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 4 | 9 | 8 | 7 | 5 | 2* | 2 | 5 | 3 | 6* | 5* | 5* | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | 1* | 2* |
| JA1 = 25 | 9 | 8 | 7 | 5 | 6 | 4* | 5* | 6 | 7* | 7* | 7* | 6* | 5* | 3* | 2* | 2* | 1* | - | - | - | - | 3* | 3* | 7 |
| HS = 26 | 2* | 8 | 9 | 7 | 4 | 1 | 3 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2* |
| DU = 27 | 9 | 9 | 8 | 6 | 3 | 3* | 4* | 5 | 4 | 7* | 7* | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 1 | 2* | 3* |
| YB = 28 | 8 | 8 | 5 | 4 | 1 | 1* | 2 | 4 | 5 | 6 | 5 | 6 | 5 | 5 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 6 | 8 |
| VK6 = 29 | 4* | 6 | 3 | 5 | 2 | 1 | 3 | 6 | 4 | 6 | 5 | 5 | 4 | 4 | 1 | 2* | 4* | 4* | 2* | - | - | - | 4* | 4* |
| VK3 = 30 | 7 | 6 | 4 | 5 | 3 | 1 | 3 | 6 | 6 | 6 | 6 | 4* | 3* | 2* | 2* | 2* | 3* | 3* | 2* | 2* | 5* | 6* | 4 | 7 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | 3* | 5 | 5* | 4* | 2* | 2* | 2* | 1* | 1 | 5 | 6 | 7* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 6* | 9 | 9 | 8 | 6 | 4 | 5* | 5* | 5 | 5 | 5 | 8* | 8* | 7* | 6* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 4 | - | - | - | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | - | 5* | 3* | 1 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 3 | 3 | 4* | 5* | 2* | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 2* | 1 | 2 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 1 |
| FR = 39 | 3 | 3 | 4* | 4* | 4 | 4 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| FJL = 40 | - | 1* | 2* | 2* | 2* | 2* | 2* | 2* | 5* | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 2 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Feb., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 7 |
| VO2 = 02 | 1 | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 6 |
| W6 = 03 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 2 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 5 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 9 | 9 | 6 | 2 | 1 | - | 1* | 1 | - | - | - | - | - | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 |
| TI = 07 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1* | - | - | - | - | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 9+ | 9+ | 9 | 7 | 3 | - | - | - | - | 2 | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| P4 = 09 | 8 | 9 | 9 | 9 | 7 | 5 | - | - | - | - | - | 9 | 9 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| HC = 10 | 9 | 9+ | 9+ | 9 | 9 | 8 | 5 | 3* | 3* | 1* | - | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 7 | 6 | 2 | 3* | 2* | 1* | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9 | 6 | 5 | 4 | 1 | 3* | 1* | 1* | 5 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 5 | 9 | 7 | 4 | 2 | - |
| I = 15 | 6 | 5 | 4 | - | - | - | 1* | 1* | 9+ | 9 | 9 | 8 | 8 | 8 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 9 | 8 |
| UA3 = 16 | - | - | - | - | 1* | 1* | - | 1* | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 6 | 5 | 1 | - | - | - | - |
| UN = 17 | - | 3* | 3* | 3 | 8 | 1 | 1 | 5 | 8 | 8 | 8 | 6 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - |
| UA9 = 18 | 3* | 3* | 2* | 1* | 1 | 1* | 1* | 1* | 8 | 8 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 6 | 8 | 8 | 5 | 1* | 1* | 1 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 5* | 4* | |
| 4X = 20 | 9 | 8 | 1 | - | 5* | 2* | 1* | 1 | 9 | 9 | 8 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9+ |
| HZ = 21 | 8 | 3 | - | 5* | 3* | 2* | 1* | - | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | - | 4* | 4* | 3* | 7 | 2 | 1 | 5 | 8 | 7 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - |
| JT = 23 | 3* | 3* | 3* | 8 | 6 | 1* | 1* | 1* | 7 | 7 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 5* | 8 | 8 | 7 | 3 | 2* | 2* | 4 | 6 | 6 | 6* | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 8 | 6 | 4 | - | - | 4* |
| JA1 = 25 | 8 | 7 | 7 | 6 | 4 | 2* | 2* | 2* | 8 | 6* | 7* | 6* | 5* | 3* | 2* | - | - | - | - | - | - | 4* | 5* | 4 |
| HS = 26 | 5* | 5* | 8 | 6 | 2* | 1* | 2 | 4 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 1* |
| DU = 27 | 7 | 8 | 7 | 5 | 3* | 4* | 3* | 5 | 7 | 7 | 7* | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 6 | - | 2* | 5* |
| YB = 28 | 7 | 5* | 4* | 2* | 1* | 1* | 1 | 2 | 5 | 6 | 6* | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 3 | 1 | 5 |
| VK6 = 29 | 5* | 5* | 4* | 2* | 1* | 1* | 1 | - | 1 | 5* | 5* | 4* | 2* | 2* | 2* | 2* | 1* | - | - | - | - | - | 1* | 5* |
| VK3 = 30 | 3* | 3 | 2* | 3* | 3* | - | - | 1 | 2 | 5* | 4* | 4* | 2* | 2* | 2* | 1* | 1* | 1* | - | - | 1* | 6* | 5* | 5* |
| KH6 = 31 | 8 | 8 | 9 | 9 | 8 | 7 | 3 | 2* | 5* | 6* | 5* | 4* | 3* | 3* | 1* | - | - | 7 | 7 | 7 | 8* | 7 | 6 | 7 |
| KH8 = 32 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 7* | 7 | 8 | 7 | 5* | 5* | 5* | 5* | 2* | 5 | 6 | 7 | 7 | 7 | 6 | 6 |
| CN = 33 | 9+ | 9+ | 8 | 6 | - | - | - | - | 1 | 9+ | 9 | 9 | 6 | 5 | 5 | 6 | 9 | 9+ | 8 | 8 | 8 | 8 | 8 | 9+ |
| SU = 34 | 9+ | 9 | 5 | - | 3* | 2* | 1* | - | 9 | 9 | 8 | 5 | 5 | 6 | 7 | 7 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | 7 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 |
| D2 = 36 | 9+ | 9 | 8 | 9 | 6 | 5* | 6 | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 1 | - | - | 2* | 4* | 4* | 1* | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| ZS6 = 38 | - | - | - | - | 2* | 2* | - | - | 2 | 5 | 4 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 3 | 1 | - | - |
| FR = 39 | - | - | 3* | 5* | 2* | 1* | 4 | 7 | 8 | 8 | 9 | 9 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - |
| FJL = 40 | - | - | 1* | 2* | 1* | 1* | 1* | - | 3* | - | 5 | 7 | 7 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Feb., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 5 | 5 | 3 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | 3 |
| W6 = 03 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| W9 = 04 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 2 | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 7 |
| XE1 = 06 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 8 | 5 | 6 | 6 | 7 | 7 | 8 | 7 | 7 | 6 | 5 |
| TI = 07 | 8 | 8 | 6 | 5 | 6 | 4 | 1 | - | - | - | - | - | 6 | 7 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |
| VP2 = 08 | 5 | 6 | 6 | 4 | 3 | - | - | - | - | - | - | 9 | 6 | 4 | 3 | 4 | 4 | 5 | 7 | 7 | 5 | 4 | 3* | 3* |
| P4 = 09 | 2 | 5 | 5 | 3 | 3 | 1 | - | - | - | - | - | 9 | 6 | 4 | 3 | 3 | 4 | 5 | 6 | 7 | 5 | 5* | 4* | 3* |
| HC = 10 | 7 | 9 | 9 | 8 | 7 | 5 | 2 | - | 1* | - | - | 2 | 6 | 5 | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 7 | 7 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | 1* | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9 | 8 | 5 | 4 | 2 | - | - | 1* | 1* | - | 4 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9 | 8 | 5 | 2* | 1 | - | - | - | - | - | - | 4 | 5 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 2 | - | 8 | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | 1 | - | - |
| I = 15 | 1 | - | - | - | - | - | - | - | 5 | 9 | 5 | 1 | 1* | - | 1* | 1 | 3 | 4 | 2 | 2 | 1 | 1 | 6 | 4 |
| UA3 = 16 | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | 1 | - | - | - | - | - |
| UN = 17 | - | 2* | 4* | 1* | 6 | - | - | - | 8 | 8 | 5 | 5 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 5* | 2* | - | - | - | - | - | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 2* | 7 | 6 | 1 | - | - | - | 8 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | 5* | 4* |
| 4X = 20 | 6 | 1 | - | - | 2* | 1* | - | - | 9 | 9 | 2* | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 6 | 4 | 3 | 3 | 5 | 9 |
| HZ = 21 | 2 | - | - | 4* | 2* | 1* | - | - | 8 | 9 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| VU = 22 | - | 3* | 5* | 3* | 5 | 1* | 1 | - | 7 | 7 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 8 | 6 | 2 | - | - | - | - |
| JT = 23 | 5* | 4* | 2* | 2 | 4 | - | - | 1* | 7 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 7 | 7 | 5 | 3* | 2* | 1* | - | 5 | 5 | 6* | 5 | 5 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | 4* |
| JA1 = 25 | 5 | 6 | 5 | 5 | 2 | - | - | - | 6 | 2* | 8* | 6* | 5* | 3* | 1* | - | - | - | - | - | - | 1* | 5* | 5* |
| HS = 26 | 5* | 6* | 5* | 5* | 3* | 2* | 1 | - | 5 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 4 | - | 1* |
| DU = 27 | 6* | 6 | 5* | 5* | 4* | 4* | 2* | - | 7 | 7 | 7* | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | 2* | 5* |
| YB = 28 | 5* | 4* | 4* | 2* | 1* | 1* | - | - | 4 | 5 | 6* | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | 3* |
| VK6 = 29 | 4* | 4* | 5* | 2* | 1* | - | - | - | - | 1* | 4* | 3* | 1* | - | 1* | - | - | - | - | - | - | - | - | 2* |
| VK3 = 30 | 4* | 4* | 4* | 4* | 1* | - | - | - | - | 5* | 2* | 2* | 1* | 1* | 1* | - | - | - | - | - | - | 4* | 5* | 5* |
| KH6 = 31 | 6 | 7 | 7 | 6 | 7 | 5 | - | - | 5* | 5* | 5* | 5* | 4* | 2* | - | - | - | 6 | 8 | 7 | 7 | 6* | 5 | 5 |
| KH8 = 32 | 7 | 8 | 8 | 6 | 6 | 5 | 4 | 1 | 7* | 7* | 8 | 5* | 5* | 5* | 4* | 2* | - | 1 | 7 | 7 | 7 | 7 | 7 | 7 |
| CN = 33 | 6 | 5 | 2 | 1 | - | - | - | - | - | 4 | 4 | 1 | 1* | - | - | - | 1 | 2 | 1 | 3 | 2 | 2 | 3 | 5 |
| SU = 34 | 9 | 5 | - | - | 1* | 2* | - | - | 9 | 9 | 1* | 1 | 2 | 2 | 3 | 4 | 6 | 6 | 5 | 3 | 2 | 2 | 5 | 7 |
| 6W = 35 | 8 | 8 | 8 | 9 | 5 | - | - | - | - | 9 | 8 | 5 | 2 | 3 | 3 | 3 | 4 | 5 | 4* | 6 | 4 | 2 | 3 | 6 |
| D2 = 36 | 9 | 6 | 2 | 6 | 1 | 3* | 1 | - | 8 | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | - | 4* | 2* | 1* | - | 1 | 1 | 1* | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 |
| ZS6 = 38 | - | - | - | - | - | 1* | - | - | - | - | 1* | 2 | 5 | 6 | 7 | 7 | 7 | 7 | 6 | 2 | - | - | - | - |
| FR = 39 | - | - | 2* | 2* | 3* | 1* | 1 | - | 7 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 1 | - | - |
| FJL = 40 | - | - | - | 1* | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Mar., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 5 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W6 = 03 | - | - | - | - | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 4 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | - | 2 | 3 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 4 | 5 | 5 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 3 | 4 | 4 | 4 | 4 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 2 | 4 | 3 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| CE = 12 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 4 | 4 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| I = 15 | 4 | 4 | 4 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UN = 17 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 3 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 4 |
| HZ = 21 | 5 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 3 | 5 |
| VU = 22 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 6 | 6 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 | 6 |
| FJL = 40 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Mar., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 |
| W6 = 03 | - | - | 2 | 3 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 7 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | 1 | 5 | 6 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 7 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 6 | 7 | 7 | 7 | 7 | 6 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| HC = 10 | 5 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 |
| CE = 12 | 5 | 6 | 5 | 6 | 6 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| LU = 13 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| G = 14 | 7 | 7 | 7 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 7 | 8 |
| I = 15 | 7 | 7 | 7 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| UN = 17 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 |
| UA9 = 18 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 | - | 1 | - |
| 4X = 20 | 6 | 5 | 6 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 7 | 7 |
| HZ = 21 | 8 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 | 8 |
| VU = 22 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 4 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 1 | - |
| VK3 = 30 | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 7 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 7 | 9 |
| FJL = 40 | 7 | 6 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Mar., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 3 | 5 | 5 | 7 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| W6 = 03 | 2 | 5 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 |
| XE1 = 06 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | 3 | 7 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| G = 14 | 9 | 9 | 9+ | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 5 | 1 |
| 4X = 20 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 5 | 6 | 6 | 6 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 5 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 1 | - |
| HS = 26 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 6 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 5 | 6 | 4 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 7 |
| VK6 = 29 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 1 | 1 | - |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 7 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Mar., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 6 | 7 | 7 | 8 | 8 | 7 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 3 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| W6 = 03 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 9 | 9 |
| UA9 = 18 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 | 7 | 5 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 8 | 7 | 7 | 7 | 7 | 7 |
| JT = 23 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 5 | 7 | 7 |
| JA1 = 25 | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 7 | 2 |
| HS = 26 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 7 | 8 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 | 6 | 6 | 5 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 5 | 1 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1* | - | 5 | 4 | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 | 8 |
| FJL = 40 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Mar., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 2* | 2* | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 7 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | 1* | 1 | 1 | 1 | 3 | 5 | 8 |
| W9 = 04 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 6 | 4 | 1 | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | 1 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 2 | 6 | 3 | - | - | - | - | - | 1 | 2 | 5 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 8 | 2 | 7 | 4 | 1 | - | - | - | 1 | 2 | 4 | 7 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 7 | 9+ | 9 | 8 | 7 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 8 | 9 | 9 | 8 | 7 | 5 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 2 | 1 | 1 | - | - | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 8 | 7 | 9 | 8 | 8 | 3 | 2 | 1 | 1 | - | 1 | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 5 | 5 | 8 | 9 | 8 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 6 |
| UA0 = 19 | 8 | 7 | 5 | 4 | 3 | 4 | 5 | 5 | 6 | 4* | 2* | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 7 | 8 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9 | 9 | 4 | 8 | 8 | 6 | 3 | 1 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 8 | 9 | 8 | 7 | 6 | 3 | 1 | - | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 7 | 9 | 8 | 6 | 4 | 3 | 1 | 1 | 2* | 1* | 1* | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 8 |
| VR2 = 24 | 8 | 8 | 6 | 2 | - | - | - | 1* | 3* | 2* | 1* | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 5 | 5 | 2 | - | 1 | 1 | 3* | 5* | 7 | 5* | 2* | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 6 | 2 | - | - | - | 1* | 1* | 1* | - | - | - | 1 | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 7 | 4 | 1 | - | - | 1* | 3* | 4* | 4* | 2* | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 8 |
| YB = 28 | 9 | 9 | 8 | 5 | 1 | - | - | - | 2* | 1* | 1* | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 8 | 8 | 7 | 4 | 2 | 1 | - | 1 | 1 | 1 | 1* | - | - | - | 1 | 2 | 5 | 5 | 5 | 5 | 5 | 2 | 1 | 3 |
| VK3 = 30 | 7 | 5 | 4 | 1 | 1 | 2 | 5 | 6 | 6 | 2 | 1 | - | - | - | - | - | 2 | 2 | 4* | 4* | 6 | 8 | 8 | 8 |
| KH6 = 31 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | 2* | 3* | 5* | 5* | 3* | 1* | - | 1 |
| KH8 = 32 | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | 4* | 5* | 7 | 6* | 6* | 3* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9 | 8 | 7 | 5 | 3 | 2 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 4 | 2 | 1 | 1 | 1 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 7 | 3 | 2 | 1 | 1 | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9 | 8 | 5 | 2 | 1* | 6 | 9 | 9+ | 9 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 5 | 7 | 9 | 8 | 7 | 5 | 2 | 1 | 1 | - | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 4 | 3 | 1 | 1* | 1* | 1 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 8 | 6 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Mar., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 7 | - | 1* | 5* | 4* | 1* | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | 9 | 9 | 8 | 7 | 6 | 4 | 6 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 7 | 6 | 1* | - | - | 2 | 2 | 1 | 2 | 8 | 4 | 4 | 5 | 8 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 4 | - | 5 | 7 | 5 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 7 | 2 | 5 | 9 | 8 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 8 | 1* | - | 7 | 5 | 2 | 3 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 6 | 5 | 1* | 8 | 7 | 6 | 4 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 | 1 | 5 | 9+ | 9 | 9 | 8 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 1 | 2 | - | 9+ | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 7 | 2* | 9 | 8 | 7 | 6 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 1* | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 9 | 9 | 7 | 6 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ | 9 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 9 | 8 | 5 | 1 | 5 | 9+ | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 9 | 4 | 4* | 5 | 9+ | 9+ | 8 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 8 | 6 | 3 | 3* | 7 | 7 | 9 | 8 | 7 | 5 | 6 | 6 | 4 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 |
| UN = 17 | 7 | 5 | 8 | 9 | 9 | 7 | 7 | 6 | 4 | 4 | 4 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 |
| UA9 = 18 | - | - | 2 | 8 | 9 | 5 | 5 | 7 | 6 | 5 | 8 | 2 | 2 | 2 | 4 | 5 | 8 | 8 | 4 | - | - | 1 | 1* | 1* |
| UA0 = 19 | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 6 | 7* | 7* | 6 | 2* | 1 | 1 | 1 | 1* | 2* | 2* | 1* | 1* | 4* | 2 | 4 | 7 |
| 4X = 20 | 9+ | 9+ | 9+ | 6 | 3 | 6 | 8 | 9 | 8 | 8 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 5 | 8 | 6 | 7 | 8 | 7 | 5 | 4 | 5 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 7 | 9 | 9 | 8 | 6 | 6 | 5 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 6 | 8 | 9 | 9+ | 9 | 9 | 9 | 9+ | 9 |
| JT = 23 | - | 7 | 9 | 8 | 8 | 4 | 5 | 6 | 5 | 6 | 3 | 2 | 3 | 3 | 5 | 7 | 7 | 2 | 2* | 1 | 5 | 4 | 1 | 1* |
| VR2 = 24 | 9 | 9 | 8 | 5 | 5 | 1 | 2 | 2* | 6 | 6 | 5* | 1* | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 3 |
| JA1 = 25 | 8 | 7 | 6 | 4 | 5 | 4* | 5* | 6* | 8* | 8* | 8 | 4* | 1 | 1 | 2 | 4 | 5 | 6 | 6 | 5 | 5 | 7 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 6 | 3 | 4 | 2 | 2 | 8 | 3* | 2 | 2 | 4 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| DU = 27 | 8 | 8 | 7 | 6 | 2 | 2* | 4* | 4* | 6 | 7* | 6* | 5* | 1 | 2 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 2 | 8 |
| YB = 28 | 9 | 9 | 8 | 7 | 3 | 1 | 1 | 1 | 3* | 8 | 4* | 3* | 3 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| VK6 = 29 | 2 | 8 | 5 | 5 | 2 | 1 | 4 | 6 | 7 | 7 | 3 | 4 | 3 | 3 | 1 | - | 2* | 3* | 4* | 3* | 1* | 2* | 1* | 1* |
| VK3 = 30 | 8 | 7 | 6 | 5 | 3 | 2* | 2 | 8 | 7 | 6 | 5 | 4 | 1 | - | - | - | 4* | 4* | 4* | 5* | 5* | 5 | 8 | 8 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 7 | 9 | 8 | 7 | 2 | - | 1* | 3* | 4 | 7 | 6 | 8* | 6* | 5 | 4 | 6 |
| KH8 = 32 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | 4* | 6* | 6* | 8* | 8* | 8* | 6* | 2 | 2 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 1 | 8 | 9+ | 9+ | 9 | 9 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 3 | 5 | 7 | 9+ | 9 | 8 | 6 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 5 | 3* | 3 | 8 | 9+ | 9 | 8 | 7 | 5 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 3 | - | - | - | 3* | 2* | 5 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| FR = 39 | 5 | 2 | 2* | 2* | 8 | 7 | 8 | 8 | 7 | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | 1* | 1* | 1* | 2* | 2* | 1* | 1* | 5 | 8 | 8 | 7 | 5 | 4 | 3 | 4 | 5 | 8 | 9 | 9 | 8 | 2 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Mar., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 5 | 4 | 2 | - | - | 4* | - | - | - | - | - | - | - | - | - | - | - | 6* | 6* | 5 | 6 | 5 |
| VO2 = 02 | 8 | 7 | 6 | 7 | 6 | 5 | 5 | - | - | 1 | 8 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 6 | 4 | 4 | 2 | 2 | 1 | - | - | - | - | 4 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 3 | 1 | - | - | - | 8 | 7 | 6 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 9 | 8 | 8 | 9 | 8 | 3 | 2 | 1 | - | - | 9 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 9+ | 9 | 9 | 9 | 6 | 3* | 7 | 4 | 1* | - | 7 | 7 | 6 | 9 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9+ | 9 | 8 | 5 | 4* | 4* | 1* | - | 4 | 9 | 8 | 7 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | 1* | - | - | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 5 | 2* | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 | 9+ | 2 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 4 | 1* | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 1 | 1 | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 5 | 5 | 3 | - | - | - | 9 | 9 | 9 | 8 | 8 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 8 | 6 |
| I = 15 | 9+ | 9+ | 9 | 6 | - | - | 1* | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 4 | 2 | - | 1* | 2* | 3 | 3 | 9 | 9 | 8 | 7 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 6 | 2 | 5 | 4 |
| UN = 17 | 1 | 1* | 5 | 9 | 8 | 4 | 5 | 7 | 6 | 6 | 6 | 5 | 6 | 6 | 8 | 8 | 9 | 8 | 7 | 6 | 6 | 5 | 5 | 4 |
| UA9 = 18 | - | 1* | 1* | 5 | 8 | 2 | 2 | 7 | 7 | 6 | 6 | 5 | 5 | 6 | 7 | 8 | 2 | - | - | - | - | - | - | 1* |
| UA0 = 19 | 7 | 8 | 8 | 8 | 7 | 2 | 3 | 8 | 7 | 8* | 6 | 6 | 5 | 2 | 1* | - | - | - | - | 2* | 5* | 3* | 3 |
| 4X = 20 | 9+ | 9+ | 9 | 3* | 3* | 2* | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 5 | 2* | 7 | 4 | 5 | 9 | 8 | 7 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| VU = 22 | 5 | 2 | 7 | 9 | 8 | 4 | 5 | 7 | 5 | 4 | 6 | 5 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| JT = 23 | 1* | 1* | 8 | 8 | 7 | 1 | 2 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 5 | 1 | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 8 | 8 | 8 | 8 | 5 | 2* | 2 | 6 | 2 | 7* | 6* | 5* | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 1* | 2* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 6 | 3* | 3* | 6 | 8* | 8* | 7* | 6 | 5 | 3 | 2* | 3* | 4* | 1 | - | - | 2* | 4* | 7 | 8 |
| HS = 26 | 7 | 9 | 9 | 8 | 5 | 1 | 3 | 6 | 5 | 5 | 6 | 5 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| DU = 27 | 9 | 8 | 8 | 7 | 4 | 4* | 4* | 5 | 4 | 8* | 7* | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 6 | 2* | 7 |
| YB = 28 | 8 | 8 | 6 | 5 | 1 | 1* | 1 | 5 | 5 | 6* | 5 | 5 | 5 | 5 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 3 | 6 |
| VK6 = 29 | 2* | 2 | 1* | 2 | 1 | 1* | 3 | 7 | 5 | 5 | 6 | 5 | 5 | 1 | 1* | 2* | 2* | 3* | 2* | - | - | 1* | 2* | 2* |
| VK3 = 30 | 8 | 6 | 3 | 1 | 2* | 2* | - | 5 | 7 | 6 | 5 | 4* | 2* | 1* | 1* | 2* | 3* | 2* | 1* | 1* | 5* | 4* | 5 | 7 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 2* | 4* | 8 | 7 | 5 | 3* | 2* | 3* | 3* | 5 | 5 | 5 | 8* | 7* | 6 | 7 | 7 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 6 | 4 | 4* | 5* | 5* | 5 | 5 | 8* | 8* | 7* | 6* | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 7 | - | - | 1* | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 4 | 4* | 2* | 3 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | 1* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 8 | 7 | 5* | 5* | 4* | 4 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 3* | - | 5 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 5 | 1 |
| FR = 39 | 1 | - | 3* | 5* | 4 | 3 | 7 | 8 | 8 | 7 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 |
| FJL = 40 | - | - | 1* | 2* | 1* | - | - | - | 5* | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 8 | 8 | 3 | 1 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Mar., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1* | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 7* | 4* | 2* | 1* |
| VO2 = 02 | 5 | 2 | 1 | 1 | 1 | - | 1 | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 9 | 8 |
| W6 = 03 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 8 | 5 | 1 | - | - | 1 | - | - | - | - | - | 5 | 8 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 7 | 7 | 5 | 5 | 5 | 5 | - | - | - | - | - | 5 | 8 | 8 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 7 | 4 | 8 | 1 | 2* | 2 | - | - | - | 1 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | 4* | 2* | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | 9 | 9+ | 9 | 6 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 |
| P4 = 09 | 8 | 9 | 9+ | 9 | 8 | 3 | - | - | - | - | - | 9+ | 9 | 9 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 |
| HC = 10 | 9+ | 9+ | 9 | 9 | 8 | 8 | 4 | 4* | 5* | 2* | - | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 7 | 9+ | 9+ | 9+ | 9 | 6 | 2 | 9+ | 3 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 7 | 7 | 5 | 1 | - | - | - | 7 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 1 |
| I = 15 | 9 | 8 | 6 | - | - | - | - | - | 9+ | 9+ | 9 | 9 | 5 | 5 | 6 | 9 | 9 | 9+ | 9+ | 8 | 7 | 6 | 7 | 9 |
| UA3 = 16 | - | - | - | - | 1* | - | - | 1 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 5 | 1 | - | - | - |
| UN = 17 | - | 3* | 3* | 6 | 7 | 1 | 4 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 7 | 6 | 3 | 2 | 1 | - | - | - |
| UA9 = 18 | 2* | 3* | 2* | 1* | 5 | - | 1 | 4 | 8 | 7 | 8 | 8 | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4 | 6 | 8 | 8 | 6 | - | 1 | 6 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | 6* | 5* | 3* |
| 4X = 20 | 9+ | 9+ | 6 | 1* | 4* | 2* | 1* | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 9 | 9+ |
| HZ = 21 | 9 | 8 | 2* | 4* | 3* | 2* | 1 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| VU = 22 | 1 | 2* | 4 | 9 | 7 | 1 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | - |
| JT = 23 | 2* | 3* | 3 | 8 | 6 | 1* | 1 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | - | - | - | - | - | - | - | 1* | 2* |
| VR2 = 24 | 5 | 9 | 8 | 8 | 3 | 2* | 2* | 6 | 5 | 7* | 8* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 3 | 2* | 5* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 4 | 1* | - | 5 | 7 | 8* | 8* | 6 | 5* | 4* | 3* | 3* | 1* | - | - | - | - | 5* | 5* | 7 |
| HS = 26 | 5* | 8 | 9 | 8 | 2 | 2* | 1 | 5 | 7 | 6* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 4* |
| DU = 27 | 8 | 9 | 8 | 7 | 4* | 4* | 4* | 6 | 7 | 7 | 8* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | - | 4* | 5* |
| YB = 28 | 6 | 5* | 5* | 3* | 1* | 1* | - | 3 | 5 | 6* | 7* | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | 1* | 4* |
| VK6 = 29 | 4* | 3* | 2* | 2* | 2* | 1* | - | 1 | 6 | 7* | 5 | 5 | 2* | 1* | 1* | 1* | - | - | - | - | - | - | 3* | 5* |
| VK3 = 30 | 2 | 2 | 1* | 2* | 2* | 1* | - | - | 7 | 5 | 5* | 4* | 2* | 1* | 1* | 1* | 1* | - | - | - | 3* | 5* | 4* | 4 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 8 | 6 | 1 | 2* | 5* | 7 | 5* | 5* | 3* | 3* | 3* | 2* | 2 | 7 | 7 | 7 | 8* | 7 | 6 | 6 |
| KH8 = 32 | 7 | 8 | 8 | 8 | 8 | 8 | 5 | 6* | 7* | 9 | 8 | 6 | 4* | 4* | 5* | 5* | 2* | 5 | 6 | 8* | 7* | 6* | 6 | 7 |
| CN = 33 | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | 8 | 9+ | 9+ | 6 | 3 | 2 | 3 | 7 | 9 | 9+ | 9+ | 8 | 8 | 7 | 8 | 8 |
| SU = 34 | 9+ | 9+ | 8 | - | 5* | 2* | 1* | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 7 | 7 | 8 | 9 |
| 6W = 35 | 9 | 9+ | 9+ | 9+ | 9 | 4 | - | - | 9 | 9+ | 9+ | 9+ | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 |
| D2 = 36 | 9+ | 9+ | 9 | 9 | 7 | 5* | 5 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 5 | 1 | 1 | 6* | 5* | 3* | 1* | 3 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | 1* | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | - | - |
| FR = 39 | - | - | 2* | 4* | 4* | 1* | 4 | 8 | 8 | 8 | 9 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 2* | - | 3 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Mar., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3* | 3* | 2* | 1* |
| VO2 = 02 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 8 | 5 |
| W6 = 03 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 |
| W9 = 04 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 4 | 2 | - | - | 1 | 1 | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| XE1 = 06 | 6 | 8 | 5 | 1 | - | 5 | - | - | - | - | - | - | - | 8 | 8 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 6 |
| TI = 07 | 8 | 8 | 9 | 5 | 6 | 3 | - | - | - | - | - | - | 5 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| VP2 = 08 | 2 | 5 | 6 | 5 | 4 | - | - | - | - | - | - | 9 | 3 | - | - | - | 4 | 6 | 8 | 8 | 7 | 6 | 4 | 2 |
| P4 = 09 | 1 | 4 | 6 | 5 | 4 | - | - | - | - | - | - | 9 | 5 | - | 1* | 1* | 4 | 6 | 7 | 8 | 7 | 6 | 4* | 2 |
| HC = 10 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | 1* | 4* | 1* | - | 6 | 8 | 6 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2* | 1* | 9 | 9+ | 1* | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9 | 7 | 6 | 4 | - | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 6 | - | 2 | 1 | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 6 | 9 | 1 | 1 | 6 | 5 | 6 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - |
| I = 15 | 6 | 4 | 1 | - | - | - | - | - | 9 | 9 | 6 | 1* | - | - | - | 2 | 5 | 6 | 5 | 4 | 1 | - | 1 | 2 |
| UA3 = 16 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 6 | 5 | - | - | - | - | - |
| UN = 17 | - | 3* | 4* | 2 | 5 | - | 1 | 4 | 8 | 8 | 7 | 5 | 8 | 8 | 8 | 8 | 1 | 2 | - | - | - | - | - | - |
| UA9 = 18 | 1* | 4* | 2* | - | 2 | - | - | - | 8 | 8 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 2* | 5 | 8 | 4 | - | - | - | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 3* | 5* | 4* |
| 4X = 20 | 7 | 8 | 1 | - | 3* | 1* | - | - | 9 | 9 | 5 | 1 | 1 | 2 | 4 | 6 | 7 | 7 | 7 | 5 | 2 | 2 | 4 | 6 |
| HZ = 21 | 8 | 5 | - | 5* | 3* | 2* | - | - | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | - | 4* | 4* | 8 | 4 | 1* | 2 | 4 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 3 | - | - |
| JT = 23 | 4* | 4* | 2* | 7 | 3 | - | - | 1 | 8 | 8 | 7 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 5* | 8 | 8 | 6 | 3* | 3* | 1* | 1 | 6 | 6 | 7* | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | - | - | 5* |
| JA1 = 25 | 6 | 6 | 6 | 6 | 1 | - | - | - | 7 | 6 | 7* | 6* | 5* | 4* | 3* | 1* | - | - | - | - | - | 4* | 6* | 5* |
| HS = 26 | 5* | 6 | 6 | 5 | 3* | 2* | 1 | - | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | - | 2* |
| DU = 27 | 8 | 8 | 7 | 5 | 4* | 5* | 2* | 2 | 7 | 7 | 8* | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | - | 4* | 6* |
| YB = 28 | 3 | 4* | 4* | 3* | 1* | - | - | - | 5 | 6 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 4 | 1 | - | - | 4* |
| VK6 = 29 | 5* | 5* | 4* | 3* | 1* | - | - | - | 1 | 6* | 5* | 3* | 1* | - | - | - | - | - | - | - | - | - | 1* | 5* |
| VK3 = 30 | 5* | 4* | 4* | 3* | 2* | - | - | - | 2 | 5* | 3* | 2* | - | - | - | - | - | - | - | - | 1* | 5* | 5* | 5* |
| KH6 = 31 | 5 | 8 | 8 | 7 | 7 | 3 | - | - | 6* | 6* | 6* | 5* | 4* | 3* | 2* | - | - | 7 | 8 | 8 | 7 | 6 | 5 | 5 |
| KH8 = 32 | 7 | 8 | 7 | 5* | 7 | 5 | 2 | 1 | 8* | 8* | 6* | 6* | 5* | 6* | 5* | 2* | - | 4 | 7 | 8 | 8 | 8 | 7 | 7 |
| CN = 33 | 4 | 5 | 5 | 5 | - | - | - | - | - | 7 | 3 | 1* | 1* | 8 | - | 1 | 4 | 5 | 5 | 4 | 2 | 1 | 2 | 2 |
| SU = 34 | 6 | 7 | 4 | - | 3* | 1* | - | - | 9 | 9 | 3 | 1* | 1* | 1 | 2 | 5 | 6 | 7 | 6 | 4 | 1 | 1 | 2 | 5 |
| 6W = 35 | 5 | 7 | 9 | 9 | 8 | - | - | - | 1 | 9+ | 9 | 5 | 2 | 3 | 3 | 7 | 8 | 9 | 8 | 8 | 6* | 5* | 3 | 1 |
| D2 = 36 | 9 | 7 | 4 | 8 | 2 | 3* | 1 | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 2* | 5* | 3* | 1* | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 |
| ZS6 = 38 | - | - | - | - | - | 1* | - | - | - | 1 | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - |
| FR = 39 | - | - | - | 3* | 2* | - | 1 | 1 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 4 | 1 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Apr., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 6 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| W6 = 03 | - | - | - | - | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 4 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | - | 3 | 3 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 4 | 5 | 5 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 4 | 4 | 3 | 4 | 5 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 6 | 6 | 9 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 |
| CE = 12 | 2 | 2 | 3 | 3 | 3 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| G = 14 | 4 | 4 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 |
| I = 15 | 4 | 3 | 3 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| UA3 = 16 | 4 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 4 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| HZ = 21 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 5 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| VK3 = 30 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 5 | 5 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 4 | 5 |
| FJL = 40 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Apr., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 9 | 9 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| W6 = 03 | - | - | 1 | 2 | 5 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 6 | 7 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | 1 | 1 | 6 | 6 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 7 | 8 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 7 | 7 | 6 | 7 | 8 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| HC = 10 | 6 | 6 | 7 | 6 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 |
| CE = 12 | 5 | 5 | 6 | 6 | 6 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| LU = 13 | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 |
| G = 14 | 7 | 7 | 7 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 |
| I = 15 | 7 | 6 | 6 | 8 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 |
| UA3 = 16 | 7 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 7 |
| UN = 17 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 6 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 7 |
| HZ = 21 | 7 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 | 8 |
| VU = 22 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 8 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 4 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 5 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 2 | 1 |
| VK3 = 30 | - | - | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | 7 | 9 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 8 | 8 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 6 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 7 | 8 |
| FJL = 40 | 5 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Apr., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | 1 | 2 | 5 | 5 | 7 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| W6 = 03 | 1 | 5 | 6 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| XE1 = 06 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 6 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 4 | 1 |
| 4X = 20 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 7 | 7 | 8 | 8 |
| JT = 23 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 | 6 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 5 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 5 | 2 | - |
| HS = 26 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 8 | 7 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 5 | 4 | 2 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 7 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 1 | - |
| KH6 = 31 | - | - | - | - | 5 | 7 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 8 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Apr., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 4 | 6 | 7 | 7 | 7 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 1 | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | 1 | - | - | - | - | - | - | - | 2 | 3 | 6 | 7 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 8 | 9 | 9 |
| UA9 = 18 | 6 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 6 | 6 | 8 | 8 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 | 7 | 4 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 7 | 7 |
| JT = 23 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 7 | 7 | 7 |
| VR2 = 24 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 | 6 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 2* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 6 | 5 | 1 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 7 | 7 | 8 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 | 6 | 6 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | 1 | 1 | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 6 | 5 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 6 | 5 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 7 | 2 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 8 | 9 | 8 | 8 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Apr., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | - | - | - | - | 1 | 5 | 8 | 6 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | 1* | - | - | 1 | 2 | 5 | 7 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | 1 | 1 | 3 | 3 | 6 | 7 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | - | - | - | 1 | 3 | 5 | 7 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | 1 | - | - | - | 1 | 1 | 2 | 4 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 8 | 8 | 6 | 3 | 1 | 1 | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9 | 8 | 7 | 4 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9+ | 9 | 8 | 5 | 4 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 8 | 9 | 7 | 2 | 1 | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 4 | 1 | 1 | 1 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9 | 8 | 6 | 2 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 3 | 1 | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 6 | 3 | 2 | 1 | 1 | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | 1 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| UN = 17 | 9 | 9 | 9 | 8 | 7 | 6 | 3 | 2 | 1 | - | - | - | - | - | 1 | 2 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 9 | 9 | 8 | 5 | 5 | 3 | 2 | 1 | - | - | 1 | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 8 | 4 | 5 | 2 | 2 | 2 | 1 | 3* | 7 | 4* | 2* | 1* | - | - | - | 1 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 8 | 8 | 4 | 1 | 1 | 1 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | 1 | - | 1 | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 1* | - | 1* | - | - | - | 1 | 2 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 8 | 5 | 1 | - | - | - | 1* | 3* | 2* | 1* | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 8 | 9 | 9 | 9 |
| JA1 = 25 | 6 | 4 | 2 | 1 | - | 1 | 3* | 4* | 8 | 5* | 3* | 1* | - | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| HS = 26 | 9 | 9 | 8 | 6 | 2 | 1 | - | - | 1* | 1* | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 4 | 1 | - | - | 1* | 2* | 4* | 4* | 2* | 1* | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 9 | 8 | 4 | 1 | - | - | - | 1* | 1* | 1* | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| VK6 = 29 | 8 | 8 | 7 | 5 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | - | 1 | 1 | 1 | 3 | 1 | 1 | 4 | 6 | 6 | 3 | 1* | 1 |
| VK3 = 30 | 8 | 6 | 5 | 4 | 3 | 1 | 4 | 7 | 5 | 4 | 2 | 1 | - | - | - | - | 4 | 5 | 5 | 3 | 3 | 6 | 8 | 8 |
| KH6 = 31 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | 1* | 3* | 4* | 5* | 5* | 2* | - | - | 1 |
| KH8 = 32 | - | 1 | 5 | 8 | 9 | 9 | 9 | 8 | 9 | 8 | 7 | 5 | 2 | - | - | - | 4* | 5* | 7* | 7 | 6* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9 | 9 | 7 | 5 | 3 | 2 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 7 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 6 | 6 | 9 | 9 | 7 | 3 | 2 | 1 | 2 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 8 | 6 | 4 | - | 1* | 1* | 8 | 9+ | 9 | 8 | 6 | 5 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 8 | 7 | 1 | 6 | 7 | 5 | 7 | 6 | 2 | 1 | 1 | 1 | 1 | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | 8 | 6 | 4 | 2* | 5 | 8 | 9 | 8 | 8 | 6 | 2 | 1 | - | - | 2 | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Apr., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 8 | 6 | 8 | 6* | 5* | 4* | 1* | - | - | - | - | 2 | 4 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9 | 9+ | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 8 | 6 | 2* | 1* | 3 | 4 | 3 | 1 | 6 | 8 | 4 | 4 | 5 | 6 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 1 | 8 | 6 | 4 | 4 | 3 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 8 | 9 | 5 | 9 | 9 | 7 | 7 | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 9 | 9 | 1 | 7 | 7 | 5 | 4 | 2 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 7 | 6 | 1 | 8 | 7 | 5 | 4 | 5 | 6 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 3* | 7 | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 2* | 7 | 9 | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 9 | 4 | 8 | 9 | 8 | 5 | 5 | 5 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 2 | 1* | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 3 | 1 | 8 | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 6 | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 7 | 9+ | 9+ | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 5 | 9 | 5 | 8 | 9 | 8 | 7 | 8 | 4 | 4 | 6 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 5 | 4 | 2 | 4 | 4 | 2 | 3 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 5 | 5 | 8 | 9 | 7 | 3 | 6 | 7 | 7 | 8 | 9 | 2 | 2 | 2 | 3 | 7 | 8 | 9 | 9 | 9 | 7 | 5 | 4 | 4 |
| UA0 = 19 | 9 | 9 | 8 | 7 | 7 | 4 | 6 | 6 | 7* | 7* | 7 | 4* | 1 | 2 | 2 | 5 | 7 | 6 | 5 | 5* | 5* | 7 | 8 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 8 | 8 | 4 | 9 | 9 | 8 | 6 | 6 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9+ | 9 | 8 | 8 | 6 | 8 | 8 | 7 | 5 | 5 | 4 | 5 | 6 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 8 | 6 | 6 | 4 | 2 | 2 | 1 | 2 | 2 | 4 | 5 | 8 | 8 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ |
| JT = 23 | 8 | 9 | 9 | 8 | 6 | 2 | 5 | 6 | 7 | 8 | 8 | 3 | 2 | 3 | 5 | 7 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 8 |
| VR2 = 24 | 8 | 8 | 8 | 6 | 3 | 1 | 2* | 2* | 8 | 6 | 5* | 3* | 2* | 2 | 3 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 9 |
| JA1 = 25 | 8 | 7 | 6 | 5 | 5 | 4* | 5 | 2 | 8* | 8* | 8 | 4* | 2* | 1 | 3 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 4 | 2 | 3 | 2 | 2 | 8 | 2 | 3* | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| DU = 27 | 8 | 8 | 8 | 4 | 1 | - | 3* | 4* | 7 | 7* | 6* | 4* | 2 | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 9 | 9 | 8 | 4 | - | - | 2 | 2 | 3* | 7 | 3* | 3 | 3 | 4 | 5 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 4 | 7 |
| VK6 = 29 | 1* | 5 | 1 | 2 | - | - | 2 | 5 | 6 | 6 | 8 | 4 | 5 | 5 | 2 | - | 2* | 3* | 3* | 2* | - | 2* | 1* | 1* |
| VK3 = 30 | 7 | 5 | 4 | 2 | 1* | 1* | 2* | 8 | 8 | 7 | 5 | 4 | - | - | - | - | 3* | 3* | 1* | 3* | 5* | 3* | 6 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 9 | 9 | 8 | 8 | 5 | 1 | 2* | 4* | 4 | 7 | 8* | 8 | 6* | 5* | 3 | 4 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 9 | 9 | 8 | 7 | 5 | 2 | - | 5* | 6* | 7* | 8* | 8* | 8* | 6* | 5* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 4 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 8 | 3 | 9 | 9 | 8 | 7 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 2 | 3* | 2* | 9 | 9+ | 9 | 8 | 8 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 2* | 4 | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 |
| FR = 39 | 4 | - | 2* | 2* | 2 | 2 | 8 | 8 | 7 | 6 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 |
| FJL = 40 | 1* | 2* | 1* | 1* | 1* | - | 8 | 7 | 8 | 8 | 6 | 5 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 7 | 2 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Apr., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 6 | 6 | 6 | 5 | - | 5 | 4* | 3* | 1* | - | - | - | - | - | - | - | - | 3* | 6* | 5* | 5 | 6 | 7 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 8 | 4 | 5 | 1 | 8 | 7 | 9 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 4* | 4* | 3* | 2* | 1* | - | 3 | 6 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 9 | 8 | 9 | 5 | 5 | 3 | 2 | - | 2 | 8 | 7 | 6 | 8 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 4 | 7 | - | 3 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 5 | 4* | 4 | 8 | 1* | - | 8 | 7 | 6 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9 | 9 | 9 | 8 | 4 | 4* | 4* | 3* | 1* | 8 | 9 | 7 | 7 | 9 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1* | 1* | 2 | 5 | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1* | 3* | 2 | 1* | 9+ | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 9 | 9 | 9 | 6 | 5* | 5* | 4* | 7 | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 7 | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1* | 1* | 1* | 5 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 8 | 8 | 7 | 3 | 1 | 1 | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 9 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 9 | 9 |
| I = 15 | 9+ | 9+ | 9+ | 7 | 4 | - | 2 | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 7 | 6 | 5 | 2* | 6 | 1 | 5 | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 8 |
| UN = 17 | 6 | 7 | 8 | 9 | 7 | 2 | 7 | 8 | 7 | 6 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| UA9 = 18 | 1* | 1* | 5 | 8 | 5 | 1 | 4 | 7 | 7 | 6 | 4 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 8 | 3 | - | 1* | 1* | 1* |
| UA0 = 19 | 8 | 9 | 9 | 8 | 5 | 1 | 5 | 8 | 6 | 8* | 6 | 6 | 5 | 5 | 5 | 3* | 4* | 5* | 2* | 2* | 5* | 5* | 5 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 4 | 4 | 3* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 7 | 6 | 6 | 2 | 7 | 9 | 8 | 7 | 6 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 8 | 9 | 9 | 7 | 4 | 7 | 6 | 5 | 5 | 6 | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| JT = 23 | 2 | 8 | 9 | 8 | 4 | 1 | 4 | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 8 | 8 | 7 | 2 | 3 | 3 | 2* | 1 | 4 |
| VR2 = 24 | 9 | 8 | 8 | 8 | 3 | 2* | 4 | 5 | 2 | 7* | 6* | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 6 |
| JA1 = 25 | 8 | 8 | 8 | 6 | 3 | 2* | 3 | 5 | 5 | 8* | 8* | 6 | 5 | 5 | 5 | 6 | 6 | 5 | 3 | 1 | 6 | 8 | 9 | 9 |
| HS = 26 | 8 | 9 | 9 | 8 | 2 | 1* | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 8 | 8 | 8 | 6 | 3* | 4* | 4 | 4 | 4 | 8* | 7* | 6 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 9 |
| YB = 28 | 8 | 8 | 4 | 2* | 1* | 1* | 2 | 6 | 4 | 4 | 5 | 6 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 2* | 3 |
| VK6 = 29 | 2* | 2* | 1* | 1* | 1* | 1* | 1 | 7 | 7 | 6 | 6 | 6 | 6 | 4 | 1* | 1* | 1* | 2* | 2* | - | - | 1* | 2* | 2* |
| VK3 = 30 | 5 | 1 | 1 | 1* | 2* | 2* | 1* | 4 | 8 | 7 | 5 | 4* | 2* | 1* | 1* | 2* | 2* | 1* | - | - | 5* | 5* | 4* | 7 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | 3* | 5 | 9 | 8 | 7 | 3 | 3* | 4* | 3 | 5 | 5 | 7* | 8* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 4 | 5* | 9 | 8 | 7 | 4 | 3* | 5* | 5* | 6* | 5 | 7* | 8* | 8* | 7* | 6* | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 5 | - | - | 2 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 5 | 3 | 3* | 6 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 2 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 6 | 3* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 6 | 5* | 5* | 2* | 5 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 2* | - | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 1 | - |
| FR = 39 | - | - | 3* | 4* | 2* | 1* | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - |
| FJL = 40 | - | 1* | - | - | - | - | 6 | - | 5* | 6 | 6 | 7 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 6 | 3 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Apr., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 1 | 1 | 1 | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 5* | 2* | 1 |
| VO2 = 02 | 7 | 6 | 5 | 5 | 3 | 4 | - | 1 | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 8 | 8 | 4 | 1 | - | 1* | - | - | 1* | - | - | - | 3 | 2 | 6 | 7 | 7 | 8 | 9 | 8 | 9 | 9 |
| W9 = 04 | 9 | 8 | 7 | 5 | 4 | 7 | - | 1 | - | - | - | - | 6 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 8 | 8 | 8 | 8 | 5 | - | - | 1 | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 7 | - | 5* | 2* | 4 | - | - | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 8 | 8 | 5 | - | 5* | 4* | 1* | - | - | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 7 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| P4 = 09 | 7 | 9 | 9 | 8 | 7 | 2 | - | 1* | - | - | 8 | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| HC = 10 | 9+ | 9+ | 8 | 9+ | 9 | 7 | 2 | 5* | 5* | 4* | - | 9 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| PY1 = 11 | 9+ | 9+ | 7 | 9+ | 9+ | 9 | 5 | 2* | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1* | - | - | - | - | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 5 | 6 | 2 | - | - | - | - | 7 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 4 | 4 | 3 | 1 | - | - | - | 3 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5 |
| I = 15 | 7 | 8 | 7 | 1 | - | - | - | 6 | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 6 | 6 | 6 |
| UA3 = 16 | 1 | - | - | 1* | 2 | - | 1 | 7 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 4 | 6 | 4 | 2 |
| UN = 17 | 2* | 2* | 6 | 8 | 3 | 1 | 5 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 4 | 3 | 2 |
| UA9 = 18 | 3* | 3* | 2* | 7 | 1 | - | 2 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 1 | - | - | - | 1* | 3* |
| UA0 = 19 | 6 | 7 | 8 | 7 | 3 | - | 2 | 8 | 7 | 8 | 7 | 7 | 6 | 2 | 1* | 1* | - | - | - | - | 2* | 5* | 5* | 4 |
| 4X = 20 | 9+ | 9+ | 6 | 4* | 3* | 1* | 1 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 4 | 4* | 3* | 2* | 5 | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 5 | 4 | 8 | 9 | 5 | 1 | 6 | 8 | 6 | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 3 |
| JT = 23 | 3* | 3* | 8 | 7 | 2 | - | 2 | 8 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | - | - | - | - | 1* | 3* | 3* |
| VR2 = 24 | 8 | 9 | 8 | 7 | 2* | 2* | 3 | 5 | 4 | 7* | 7* | 6* | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 4* | 5* |
| JA1 = 25 | 8 | 8 | 8 | 5 | 1 | - | 1 | 7 | 6 | 8* | 8* | 6 | 6 | 4* | 4* | 5* | 4* | 1* | - | - | 4* | 5 | 8 | 9 |
| HS = 26 | 6 | 9 | 9 | 6 | 2* | 1* | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 |
| DU = 27 | 9 | 9 | 8 | 5 | 3* | 3* | 3 | 6 | 6 | 8* | 8* | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 2 | 5* | 7 |
| YB = 28 | 5 | 4* | 4* | 2* | 1* | 1* | 1 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | 1* | 3* |
| VK6 = 29 | 3* | 3* | 2* | 2* | 2* | 1* | - | 2 | 7 | 8 | 7 | 6 | 4 | 1* | - | - | - | - | - | - | - | - | 4* | 4* |
| VK3 = 30 | 3* | 2* | 2* | 2* | 3* | 1* | - | - | 7 | 5 | 5* | 3* | 1* | - | - | - | - | - | - | - | 3* | 5* | 5* | 4* |
| KH6 = 31 | 7 | 8 | 9 | 8 | 8 | 5 | - | 5* | 6* | 8 | 8 | 5 | 4* | 3* | 4* | 2* | 5 | 7 | 7 | 7 | 8* | 7 | 7 | 6 |
| KH8 = 32 | 8 | 8 | 8 | 7 | 8 | 6 | 1 | 6* | 6* | 8 | 6* | 6* | 4* | 5* | 5* | 6* | 2* | 5 | 7 | 8* | 8* | 7 | 7 | 7 |
| CN = 33 | 5 | 7 | 6 | 6 | - | - | - | - | 9+ | 9+ | 9 | 5 | 3 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 6 | 5 | 3 |
| SU = 34 | 9+ | 9+ | 7 | 3* | 3* | 1* | 1 | 9+ | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ |
| 6W = 35 | 8 | 9 | 9 | 9+ | 9 | 1 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| D2 = 36 | 9+ | 9+ | 9 | 8 | 1 | 4* | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 3 | 1 | 5* | 5* | 5* | 1 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 1* | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - |
| FR = 39 | - | - | 2* | 5* | 2* | - | 4 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - |
| FJL = 40 | - | - | - | - | - | - | 2 | - | 2* | - | 1 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Apr., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - |
| VO2 = 02 | 4 | 2 | 1 | 1 | - | 1 | - | - | - | - | - | 6 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| W6 = 03 | 9 | 8 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 8 | 8 | 8 | 9 |
| W9 = 04 | 8 | 7 | 2 | 1 | 1 | 3 | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| W3 = 05 | 8 | 5 | 4 | 4 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| XE1 = 06 | 5 | 6 | 7 | 6 | 7 | 3 | - | 2* | - | - | - | - | - | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 |
| TI = 07 | 8 | 8 | 8 | 2 | 5 | 1 | - | 2* | 1* | - | - | - | 5 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | - | 2 | 2 | 1 | 2 | - | - | - | - | - | 3 | 9 | 5 | 1 | 1* | 1* | 5 | 7 | 9 | 9 | 8 | 8 | 5 | 1 |
| P4 = 09 | - | 2 | 2 | 1 | 2 | - | - | - | - | - | - | 9 | 9 | 2 | 1 | 1 | 5 | 7 | 9 | 9 | 9 | 8 | 5 | 1 |
| HC = 10 | 9 | 9 | 9 | 8 | 7 | 4 | - | 4* | 5* | 2* | - | 6 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 8 | 8 | 9+ | 9+ | 9 | 8 | 1* | - | - | 9+ | 1 | 6 | 6 | 5 | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| CE = 12 | 9+ | 9+ | 9 | 6 | 5 | 2 | 1* | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9 | 5 | - | 1 | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 7 | 5 | 2 | - |
| I = 15 | - | 1 | 2 | - | - | - | - | - | 9 | 9 | 5 | 1 | 1 | 1 | 2 | 5 | 7 | 8 | 7 | 6 | 3 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 6 | 3 | - | 1 | - | - |
| UN = 17 | 3* | 5* | 3* | 7 | 1 | - | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 4 | 2 | 1 | - | - |
| UA9 = 18 | 4* | 2* | 1* | 4 | - | - | - | 1 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | 1* |
| UA0 = 19 | 2 | 1 | 5 | 5 | - | - | - | 4 | 8 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | 5* | 5* | 3* |
| 4X = 20 | 7 | 8 | 2 | 1* | 2* | 1* | - | 8 | 9 | 9 | 9 | 5 | 3 | 4 | 6 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 7 | 7 |
| HZ = 21 | 7 | 6 | 3* | 4* | 3* | 1* | 1 | 5 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 2* | 4* | 5 | 8 | 3* | 1* | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 4 | - |
| JT = 23 | 4* | 4* | 2 | 5 | - | - | 1 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | 4* | 4* |
| VR2 = 24 | 5 | 8 | 8 | 5 | 3* | 2* | 1 | 6 | 6 | 6 | 8* | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 1 | 3* | 5* |
| JA1 = 25 | 6 | 6 | 5 | 3 | - | - | - | 3 | 7 | 7 | 8* | 7 | 6* | 5* | 5* | 5* | 1* | - | - | - | 1* | 7* | 6 | 8 |
| HS = 26 | 5* | 8 | 6 | 5* | 3* | 2* | 1 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | - | 4* |
| DU = 27 | 8 | 9 | 7 | 5* | 4* | 4* | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | - | 5* | 6* |
| YB = 28 | 2* | 4* | 4* | 2* | 1* | - | - | 2 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 6 | 6 | 6* | 3 | - | - | - | - | 2* |
| VK6 = 29 | 3* | 3* | 3* | 2* | 1* | - | - | - | 8 | 8 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | 2* | 4* |
| VK3 = 30 | 3* | 2* | 2* | 3* | 2* | - | - | - | 5 | 5* | 3* | 2* | - | - | - | - | - | - | - | - | - | 5* | 5* | 4* |
| KH6 = 31 | 5 | 6 | 7 | 4 | 6 | 2 | - | - | 6* | 7 | 6* | 6* | 4* | 4* | 3* | 1* | 1 | 7 | 8 | 8 | 7 | 7 | 6 | 5 |
| KH8 = 32 | 8 | 8 | 6 | 3* | 5 | 2 | - | 5* | 7* | 7* | 7* | 7* | 6* | 6* | 5* | 4* | - | 1 | 7 | 8 | 8 | 8 | 8 | 8 |
| CN = 33 | - | - | - | 1 | - | - | - | - | 1 | 6 | - | - | 8 | - | - | 3 | 5 | 7 | 7 | 6 | 3 | 1 | - | - |
| SU = 34 | 6 | 6 | 3 | 1* | 2* | 1* | - | 6 | 9 | 9 | 9 | 3 | 1 | 2 | 5 | 7 | 8 | 8 | 7 | 6 | 5 | 5 | 6 | 6 |
| 6W = 35 | 1 | 4 | 5 | 9 | 5 | - | - | - | 7 | 9+ | 9+ | 8 | 5 | 4 | 3 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - |
| D2 = 36 | 9+ | 8 | 2 | 5 | - | 2* | 1 | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 2 | - | - | 4* | 5* | 2* | - | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 2* | 1* | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 8 | 7 | 3 | - | - | - | - |
| FR = 39 | - | - | - | 1* | 1* | - | 1 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: May, Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W6 = 03 | - | - | - | - | - | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 4 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 4 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 1 | 4 | 5 | 3 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 5 | 5 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 2 | 4 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 2 |
| G = 14 | 3 | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 3 |
| I = 15 | 5 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 5 |
| UA3 = 16 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| HZ = 21 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 3 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 3 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | 4 | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 4 | 4 | 5 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: May, Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W6 = 03 | - | - | - | - | 3 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 5 | 7 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 4 | 6 | 7 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 4 | 7 | 8 | 6 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| HC = 10 | 5 | 6 | 6 | 6 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 5 | 7 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| LU = 13 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 5 |
| G = 14 | 6 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 6 |
| I = 15 | 8 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 8 |
| UA3 = 16 | 7 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| HZ = 21 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 6 |
| VU = 22 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 9 | - | - | 2 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 2 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 5 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 3 | 6 | 8 | 9 | 9 | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 |
| SU = 34 | 6 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | 7 | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 7 | 8 | 9 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 7 | 7 | 7 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 |
| FJL = 40 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: May, Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 1 | 4 | 4 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 |
| W6 = 03 | 1 | 3 | 5 | 6 | 7 | 7 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 7 | 8 | 8 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| XE1 = 06 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 7 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 7 |
| UA9 = 18 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 7 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 1 | 1 | - |
| 4X = 20 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 8 | 8 | 8 |
| JT = 23 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 6 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 5 | 5 | 6 | 2 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 1 | - | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 5 | 5 | 5 | 1 |
| YB = 28 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 7 | 8 |
| VK6 = 29 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 6 | 6 | 2 |
| KH6 = 31 | - | - | - | - | 5 | 7 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 6 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | - | - | - | - | - | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 6 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 8 | 8 |
| FJL = 40 | 7 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: May, Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 1 | 2 | 3 | 5 | 7 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 |
| W6 = 03 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 9 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | 2 | 2 | 5 | 7 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 6 | 9 | 9 | 8 | 6 | 1 | - | - | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 7 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 8 | 7 | 8 | 8 |
| UA9 = 18 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 5 | 5 | 5 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 6 | 4 | 1 |
| 4X = 20 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| JT = 23 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 5 | 5 | 5 | 7 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 5 | 2 | 1 |
| HS = 26 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 | 6 | 5 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 5 | 6 |
| VK3 = 30 | 2 | 1 | - | - | - | - | 2 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 6 | 6 | 6 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 6 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | 2 | 1 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 3 | - | 2 | 8 | 8 | 4 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 7 | 5 | 1 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 8 | 7 | 7 |
| FJL = 40 | 7 | 7 | 7 | 8 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: May, Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | 3 | 5 | 5 | 6 | 6 | 7 | 7 | 7 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 2 | 1 | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | 1 | - | - | - | 2 | 4 | 7 |
| W9 = 04 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 6 | 7 | 8 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 8 | 5 | 4 | 2 | 1 | 1 | 1 | 4 | 4 | 7 | 8 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | 2 | 1 | 1 | 4 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | 1 | 2 | 3 | 5 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 9+ | 9 | 9 | 8 | 5 | 4 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 7 | 4 | 1 | - | 1 | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 2 | 9+ | 9+ | 9 | 9 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 4 | 4 | - | 9 | 8 | 5 | 2 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 2 | 3 | 9+ | 9 | 9 | 7 | 3 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 7 | 5 | 3 | 1 | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 3 | 1 | 1 | - | - | - | - | 5 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 9 | 8 | 6 | 5 | 4 | 2 | 2 | 1 | - | - | - | - | - | - | 1 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 6 | 4 | 4 | 2 | 2 | 2 | 1 | 1* | 4* | 4* | 2* | 1* | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 5 | 2 | 1 | 1 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | - | - | - | - | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 7 | 5 | 3 | 1 | 1 | - | - | - | 1* | - | - | - | - | 1 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VR2 = 24 | 8 | 7 | 5 | 1 | - | - | - | - | 3* | 2* | 1* | - | - | - | 1 | 2 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 8 |
| JA1 = 25 | 5 | 3 | 2 | - | - | - | - | 1* | 8 | 5* | 3* | 1* | - | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| HS = 26 | 9 | 9 | 8 | 5 | 1 | - | - | - | 1* | 1* | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 3 | - | - | - | - | 1* | 4* | 4* | 2* | 1* | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 9 | 7 | 3 | - | - | - | - | 1* | 1* | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 2 | 4 |
| VK6 = 29 | 7 | 5 | 5 | 4 | - | - | 2 | 2 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | - | - | 1* | 2* | 2 | 5 | 1 | - | 1* |
| VK3 = 30 | 3 | 3 | 4 | 3 | - | - | 1* | 7 | 7 | 6 | 4 | 1 | - | - | - | 1 | 4 | 5 | 5 | 3 | 1 | 2 | 7 | 6 |
| KH6 = 31 | 1 | 5 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 7 | 5 | 1 | - | - | 1* | 3* | 4* | 5* | 4* | 1* | - | - | - |
| KH8 = 32 | 1 | 4 | 6 | 8 | 9 | 8 | 7 | 7 | 9 | 8 | 7 | 4 | - | - | - | 1* | 4* | 5* | 6 | 6 | 5* | 1 | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9 | 9 | 8 | 6 | 4 | 3 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 5 | 3 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 2 | 4 | 6 | 9 | 9 | 7 | 3 | 1 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | 1 | 1 | - | 1* | 1* | 7 | 9+ | 9 | 7 | 5 | 5 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 |
| FR = 39 | 1 | - | 1* | - | 2 | 5 | 8 | 6 | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | 1 |
| FJL = 40 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 2 | 1 | - | - | - | 1 | 5 | 9 | 8 | 8 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: May, Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 4 | 6* | 5* | 3* | 1* | - | - | 1 | 1 | 7 | 5 | 5 | 5 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 4 | 2* | 1* | 2 | 5 | 4 | 5 | 6 | 9 | 5 | 6 | 6 | 8 | 8 | 9 |
| W9 = 04 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 7 | 2 | 8 | 5 | 3 | 6 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 7 | 9 | 4 | 8 | 8 | 6 | 7 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 6 | 9 | 9 | 8 | 8 | 6 | 6 | 5 | 5 | 6 | 4 | 5 | 6 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9 | 9 | 8 | 4 | 3* | 3 | 8 | 5 | 8 | 7 | 6 | 6 | 5 | 7 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | 4* | 9 | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | 2* | 8 | 9 | 9+ | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | 6 | 3 | 9 | 8 | 8 | 7 | 4 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 6 | 9+ | 9+ | 6 | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | 4 | 9 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 8 | 4 | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 5 | 9 | 9 | 8 | 7 | 6 | 5 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 5 | 1 | 6 | 9+ | 9 | 9 | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9+ | 9 | 9 | 8 | 8 | 4 | 8 | 9 | 8 | 6 | 7 | 4 | 3 | 6 | 7 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ |
| UN = 17 | 9 | 9 | 9 | 9 | 7 | 6 | 7 | 5 | 4 | 2 | 4 | 4 | 2 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 8 | 9 | 9 | 8 | 5 | 3 | 6 | 6 | 4 | 8 | 9 | 3 | 1 | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| UA0 = 19 | 8 | 8 | 8 | 8 | 5 | 3 | 6 | 6 | 6* | 7* | 8 | 4 | 4 | 3 | 4 | 6 | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 8 | 5 | 5 | 4 | 9 | 8 | 6 | 5 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 8 | 7 | 6 | 8 | 8 | 6 | 5 | 2 | 3 | 4 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 4 | 2 | 1 | 1 | 1 | 2 | 3 | 5 | 8 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 9+ |
| JT = 23 | 8 | 9 | 9 | 8 | 5 | 3 | 5 | 4 | 7 | 8 | 8 | 2* | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 8 |
| VR2 = 24 | 8 | 8 | 8 | 6 | 1 | 1 | - | 1 | 7 | 6 | 8 | 3* | 2 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 8 | 8 | 7 | 5 | 2 | 1 | 4 | 5 | 7* | 8* | 8 | 5* | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 7 | 2 | 2 | 4 | 3 | 3 | 8 | 8 | 2 | 3 | 4 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 8 | 8 | 5 | - | 1* | 2 | 2 | 7 | 7 | 8 | 4* | 3 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| YB = 28 | 7 | 9 | 3 | 1 | - | - | 2 | 2 | 8 | 6 | 7 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 3 | 2* | 1* |
| VK6 = 29 | 1* | 1* | 1* | - | 1* | - | 1 | 7 | 6 | 6 | 5 | 4 | 5 | 4 | - | - | 1* | 1* | 1* | - | - | - | 1* | 1* |
| VK3 = 30 | 1* | - | - | 1* | 1* | 2* | 2* | 5* | 8 | 7 | 4 | 2* | 1* | - | - | - | - | 1 | - | - | 2* | 2* | 2 | 1 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 9 | 6 | 5 | 9 | 9 | 9 | 8 | 6 | 4 | 3 | 4 | 5 | 7 | 7 | 8 | 6* | 4* | 2 | 4 |
| KH8 = 32 | 6 | 7 | 8 | 8 | 8 | 7 | 2* | 2 | 7 | 6 | 2* | 2* | 1* | 1* | 2* | 4* | 5* | 5 | 7* | 8* | 7* | 5 | 5* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 6 | 1 | 2 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 5 | 4 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 6 | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 6 | 2* | 3* | 1* | 9 | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | 2* | 1 | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 | - | - |
| FR = 39 | - | - | 1* | 2* | 1* | - | 8 | 9 | 6 | 6 | 6 | 7 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 6 | 5 | - | - | - |
| FJL = 40 | 5 | 4 | 4 | 1 | 1 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: May, Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 5 | 5 | 6 | 6 | 7 | 4 | - | 5* | 5* | 2* | - | - | - | - | - | 1 | - | 2* | 5* | 4* | 1 | 4 | 5 |
| VO2 = 02 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | 5 | 3 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | 5* | 5* | 4* | 2* | 1* | - | 1 | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | 4 | 1 | 1 | - | 3 | 7 | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | 3 | 7 | - | 5 | 8 | 8 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 4* | 4* | 8 | 2* | 1 | 8 | 8 | 7 | 8 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 7 | 8 | 6 | 1* | 4* | 4* | 6 | 1* | 4 | 8 | 8 | 7 | 9 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 8 | 8 | 7 | 7 | 3 | - | 1* | 5 | 5 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 9 | 9 | 8 | 7 | 3 | 1* | 4* | 2* | 1* | 9 | 9 | 9 | 9 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 8 | 9+ | 9 | 7 | 2 | 4* | 4* | 2* | 1 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9 | 1 | 9+ | 9+ | 8 | 2* | - | 2 | 1 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 8 | 7 | 2 | - | - | - | - | - | 9 | 9 | 8 | 7 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 7 | 4 | 4 | - | - | - | - | - | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 8 | 8 | 4 | - | 1 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| I = 15 | 8 | 8 | 8 | 6 | 1 | - | 1 | 9+ | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | 8 | 8 | 7 | 2 | 4 | 1 | 6 | 9 | 8 | 8 | 6 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| UN = 17 | 8 | 8 | 9 | 8 | 5 | 3 | 7 | 8 | 6 | 6 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA9 = 18 | 4 | 3 | 7 | 7 | 3 | 1 | 5 | 7 | 7 | 6 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 8 | 6 | 4 | 2 | 2 |
| UA0 = 19 | 8 | 8 | 8 | 7 | 4 | 1 | 5 | 7 | 5 | 8* | 6* | 5 | 5 | 5 | 5 | 6 | 4 | 5* | 5* | 5* | 6* | 5 | 6 | 7 |
| 4X = 20 | 9+ | 9+ | 8 | 4 | 1 | - | 7 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 6 | 7 | 3 | 3 | 7 | 9 | 9 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 9 | 8 | 9 | 9 | 6 | 4 | 7 | 7 | 4 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 5 | 8 | 8 | 7 | 2 | 1 | 5 | 6 | 5 | 5 | 4 | 5 | 5 | 6 | 6 | 8 | 8 | 8 | 8 | 5 | 4* | 2* | 2* | 2 |
| VR2 = 24 | 9 | 8 | 9 | 6 | 1 | 1 | 4 | 4 | 4 | 7* | 7* | 5* | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 8 |
| JA1 = 25 | 8 | 8 | 6 | 5 | 1 | - | 4 | 6 | 5 | 8* | 8* | 6* | 6 | 6 | 6 | 7 | 8 | 7 | 5 | 5 | 8 | 9 | 9 | 9 |
| HS = 26 | 8 | 9 | 8 | 5 | 1* | 1* | 4 | 6 | 5 | 5 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 |
| DU = 27 | 9 | 9 | 8 | 5 | 2* | 2* | 4 | 4 | 4 | 8* | 7* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 9 |
| YB = 28 | 4 | 5 | 2* | 2* | 1* | - | 1 | 5 | 4 | 6* | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | - | 1* | 2* |
| VK6 = 29 | 2* | 2* | 1* | 1* | 1* | 1* | - | 5 | 8 | 7 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 2* | 1* | 1* | 1* | 2* | 1* | 1* | - | 8 | 5 | 3* | 2* | - | - | - | - | - | - | - | - | 2* | 4* | 4* | 2* |
| KH6 = 31 | 7 | 8 | 8 | 8 | 8 | 7 | 1 | 4* | 5* | 9 | 8 | 7 | 3 | 3* | 4* | 4 | 5 | 6 | 7* | 7* | 6 | 6 | 6 | 6 |
| KH8 = 32 | 7 | 7 | 5 | 3 | 6 | 3 | 3* | 3* | 3* | 3* | 3* | 3* | 4* | 3* | 4* | 5* | 3* | 5 | 7 | 8* | 8* | 7* | 6 | 6 |
| CN = 33 | 3 | 4 | 3 | 6 | 1 | - | - | - | 9+ | 9+ | 9 | 8 | 5 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 |
| SU = 34 | 9+ | 9+ | 8 | 4 | 2* | - | 7 | 9+ | 9 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9 | 9 | 9 | 9+ | 9 | 4 | 2 | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| D2 = 36 | 9+ | 9+ | 9 | 8 | 1 | 2* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 7 | 1 | 4* | 3* | 1* | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | 1* | - | 5 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | - | - | - | - |
| FR = 39 | - | - | 2* | 3* | 2* | - | 6 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 2 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | 4 | 5 | 2 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 5 | 2 | 1* | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: May, Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 1 | 1 | 1 | 2 | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - |
| VO2 = 02 | 9 | 8 | 7 | 5 | 3 | 1 | - | 1 | - | - | 5 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 8 | 8 | 3 | 6 | 3 | - | - | 1* | 1* | 1* | - | - | - | - | 1 | 1 | 3* | 4 | 5 | 6 | 7 | 8 | 8 |
| W9 = 04 | 7 | 7 | 8 | 7 | 5 | 4 | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 3 | 5 | 6 | 6 | 7 | 8 | 9 | 8 |
| W3 = 05 | 8 | 8 | 4 | 2 | 6 | 2 | - | - | 1 | - | - | 2 | 5 | 1 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 |
| XE1 = 06 | 7 | 6 | 5 | 4 | 7 | 4 | - | 4* | 1* | 6 | - | - | 2 | 7 | 6 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| TI = 07 | 8 | 8 | 8 | 1 | 5 | 1 | - | 5* | 2* | 1 | - | - | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 1 | 1 | - | - | 2 | - | - | - | 1 | - | 6 | 9 | 9 | 4 | 2 | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 |
| P4 = 09 | 2 | 1 | 1 | - | 2 | - | - | 1* | - | - | 1 | 9 | 9 | 9 | 5 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 8 | 5 |
| HC = 10 | 9 | 9 | 8 | 6 | 6 | 3 | 1* | 5* | 4* | 2* | - | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| PY1 = 11 | 4 | 9+ | 9+ | 9 | 9 | 3 | - | - | - | 9+ | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| CE = 12 | 9+ | 9 | 5 | - | 2 | - | - | - | - | - | - | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | 5 | 4 | 2 | 4 | - | - | - | - | 6 | 8 | 5 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 7 | 5 |
| I = 15 | - | - | - | 1 | - | - | - | 2 | 7 | 6 | 9 | 9 | 3 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9 | 6 | 3 | 1 |
| UA3 = 16 | 4 | 1 | 1 | - | - | - | 1 | 4 | 5 | 5 | 5 | 7 | 5 | 6 | 6 | 6 | 7 | 8 | 9 | 8 | 8 | 6 | 3 | 6 |
| UN = 17 | 4 | 5 | 7 | 7 | 1 | 1 | 6 | 8 | 8 | 8 | 7 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 5 |
| UA9 = 18 | 1* | - | - | 4 | - | - | 2 | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 2 | - | - | 1* | 1* |
| UA0 = 19 | 5 | 1 | 4 | 5 | 1 | - | 2 | 5 | 4 | 8* | 6* | 5 | 5 | 4 | 2 | 1* | - | 1* | - | - | 4* | 5* | 2* | 2 |
| 4X = 20 | 9 | 5 | 3 | - | 1* | - | 3 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 4* | 2 | 1* | - | 6 | 9 | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| VU = 22 | 7 | 7 | 8 | 7 | 2 | 1 | 7 | 8 | 6 | 5 | 5 | 7 | 7 | 8 | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 6 |
| JT = 23 | 2* | 1 | 5 | 4 | - | - | 4 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | 1 | - | - | 2* | 4* | 2* |
| VR2 = 24 | 8 | 9 | 8 | 4 | 1* | - | 3 | 5 | 4 | 5* | 7* | 6* | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 3* | 4 |
| JA1 = 25 | 7 | 6 | 2 | 3 | - | - | 2 | 7 | 6 | 8* | 8* | 6 | 6 | 5 | 4 | 5* | 6* | 3* | - | - | 3 | 6 | 8 | 8 |
| HS = 26 | 5 | 8 | 5 | 3* | 1* | - | 5 | 7 | 3 | 6 | 7 | 7 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | - | 3* |
| DU = 27 | 9 | 9 | 7 | 4* | 2* | 1* | 3 | 6 | 6 | 6 | 8* | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 1 | 4* | 7 |
| YB = 28 | 3* | 3* | 1* | - | - | - | - | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 5 | 5 | 5* | 1 | - | - | - | - | 3* |
| VK6 = 29 | 1* | 1* | 1* | 1* | 1* | - | - | - | 8 | 8 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 2* | 1* | 1* | 1* | 1* | - | - | - | 6 | 4* | 1* | 1* | - | - | - | - | - | - | - | - | - | 5* | 4* | 3* |
| KH6 = 31 | 5 | 5 | 5 | 2 | 6 | 2 | - | 3* | 7* | 8 | 7 | 5 | 4* | 4* | 4* | 3* | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 5 |
| KH8 = 32 | 7 | 4 | 2* | 2* | 2 | - | 2* | 6* | 6* | 5* | 5* | 5* | 5* | 4* | 4* | 3* | - | 1 | 8 | 8 | 8 | 8 | 7 | 7 |
| CN = 33 | - | - | - | 1 | - | - | - | - | 2 | 4 | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 8 | 5 | 1 | - |
| SU = 34 | 8 | 6 | 4 | - | 1* | - | 2 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| 6W = 35 | 1 | 2 | 2 | 8 | 5 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 |
| D2 = 36 | 9+ | 8 | 1 | 3 | - | 1* | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 5 | - | - | 5* | 2* | 1* | 1 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| ZS6 = 38 | - | - | - | - | 2* | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 7 | 5 | - | - | - | - | - |
| FR = 39 | - | - | - | - | 1* | - | 2 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | 1 | - | - | - | - | 1 | - | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: May, Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - |
| VO2 = 02 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | 2 | 2 | 2 | 3 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 |
| W6 = 03 | 3 | 2 | 2 | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 3* | 2 | 2 | 2 | 6 | 7 |
| W9 = 04 | 1 | 1 | 5 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 5 | 8 | 5 |
| W3 = 05 | 4 | 4 | - | - | 2 | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |
| XE1 = 06 | 1 | - | - | - | 3 | - | - | - | - | 2 | - | - | - | - | 2 | 2 | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 5 |
| TI = 07 | 4 | 4 | 2 | - | 1 | - | - | 1* | - | - | - | - | 5 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | - | 1 | 3 | 5 | 7 | 8 | 7 | 2 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | - | - | 1 | 4 | 6 | 7 | 8 | 7 | 3 | - |
| HC = 10 | 6 | 5 | 3 | 1 | 3 | 1 | - | 4* | 2* | - | - | - | 4 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| PY1 = 11 | 9+ | 9+ | 8 | 3 | 5 | - | - | - | - | 8 | - | 3 | 5 | 4 | 2 | 9+ | 5 | 8 | 9 | 9 | 9 | 8 | 5 | 9+ |
| CE = 12 | 9 | 4 | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 5 | 1 | - | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 |
| G = 14 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 5 | 2 | 1 |
| I = 15 | - | - | - | - | - | - | - | - | - | 1* | - | 4 | - | - | - | 2 | 4 | 5 | 7 | 7 | 4 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | - | 1 | 1 | 3 | 6 | 6 | 4 | 1 | - | 1 |
| UN = 17 | 1 | 1 | 4 | 4 | - | - | 3 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 6 | 8 | 7 | 7 | 6 | 3 | 1 | 1 |
| UA9 = 18 | - | - | - | 1 | - | - | - | - | 5 | 4 | 4 | 3 | 2 | - | - | - | - | 1 | - | - | - | - | - | - |
| UA0 = 19 | 1 | - | - | 2 | - | - | - | - | - | 5* | 5* | 4* | 2 | - | - | - | - | - | - | - | - | 4* | 1* | - |
| 4X = 20 | 1 | - | - | - | - | - | - | 8 | 3 | 3 | 8 | 9 | 5 | 4 | 6 | 9 | 9 | 9 | 9+ | 9 | 9 | 6 | 5 | 4 |
| HZ = 21 | 5 | 6 | 1* | - | 1* | - | 2 | 5 | 8 | 7 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| VU = 22 | 5 | 5* | 5 | 5 | 1* | - | 5 | 8 | 8 | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 6 | 4 | 4 | 3 | 2 | 1 | - |
| JT = 23 | - | - | - | 1 | - | - | 1 | 5 | 4 | 3 | 5* | 4* | 1 | 1 | - | - | - | - | - | - | - | 1* | 2* | 1* |
| VR2 = 24 | 5 | 8 | 6 | 2 | 1* | - | 2 | 6 | 5 | 5 | 7* | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | 1* | 3* |
| JA1 = 25 | 2 | 1 | - | 1 | - | - | - | 4 | 5 | 5 | 8* | 6* | 3 | 2* | 2* | 1* | 2* | - | - | - | - | 5* | 4 | 6 |
| HS = 26 | 5* | 8 | 5* | 2* | 1* | - | 1 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 5 | 2 | 1 | - | - | 3* |
| DU = 27 | 8 | 8 | 4* | 2* | 2* | 1* | 2 | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | 4* | 5 |
| YB = 28 | 1* | - | - | - | - | - | - | 1 | 7 | 7 | 7 | 8 | 7 | 6 | 4* | 5* | 5* | 2* | - | - | - | - | - | 2* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2* |
| VK3 = 30 | - | - | - | 1* | - | - | - | - | 1 | 2* | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* | 1* |
| KH6 = 31 | 1 | 1 | - | - | 2 | - | - | - | 7* | 6 | 6* | 5* | 4* | 3* | 3* | 1* | 1 | 5 | 6 | 7 | 7 | 7 | 5 | 2 |
| KH8 = 32 | 3 | 1* | - | 1* | - | - | 1* | 5* | 7* | 6* | 6* | 6* | 5* | 5* | 2* | - | - | - | 8 | 8 | 8 | 8 | 6 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | - | - | 1 | 2 | 4 | 5 | 3 | - | - | - |
| SU = 34 | 1 | - | - | - | - | - | - | 6 | 2 | - | 3 | 9 | 3 | 2 | 5 | 7 | 9 | 9 | 9+ | 9 | 8 | 5 | 4 | 2 |
| 6W = 35 | - | - | - | 4 | 1 | - | - | - | 2 | 9+ | 9+ | 8 | 4 | 4 | 4 | 7 | 7 | 8 | 8 | 9 | 9 | 7 | 2 | - |
| D2 = 36 | 7 | 1 | - | - | - | - | 1 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| 5Z = 37 | - | - | - | 1* | 1* | - | - | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6 | 4 | 1 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | 1 | 7 | 9 | 7 | 5 | 6 | 9 | 9 | 7 | - | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | - | 1* | - | - | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jun., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 4 | 5 | 5 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W6 = 03 | - | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 1 | 3 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 3 | 5 | 5 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | - | 2 | 4 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 3 | 5 | 5 | 5 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| P4 = 09 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 2 | 3 | 3 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| LU = 13 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 3 |
| G = 14 | 5 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 5 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 |
| UA3 = 16 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | 3 | 3 |
| HZ = 21 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 5 | 3 | 1 | - | 1 | - | 5 | 6 | 6 | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 3 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 4 | 5 |
| ZS6 = 38 | 9 | 9 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 9 |
| FR = 39 | 6 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jun., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 7 | 8 | 8 | 9 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W6 = 03 | - | - | - | - | 3 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 4 | 6 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 6 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | - | 3 | 5 | 7 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 6 | 8 | 8 | 8 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| P4 = 09 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| HC = 10 | 5 | 5 | 6 | 6 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| LU = 13 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 6 |
| G = 14 | 8 | 7 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 |
| I = 15 | 8 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 |
| UA3 = 16 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 5 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 4 | 6 | 6 |
| HZ = 21 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 5 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 2 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 8 | 6 | 4 | 2 | 4 | - | 8 | 9 | 9 | 1 | 1 | 1 | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 7 | 8 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9+ |
| FR = 39 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jun., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | 1 | 1 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 |
| W6 = 03 | - | 2 | 4 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| XE1 = 06 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| TI = 07 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 |
| VP2 = 08 | 9 | 9+ | 9 | 9 | 9+ | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| UN = 17 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 7 | 8 | 8 | 6 |
| UA9 = 18 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 5 | 7 | 6 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | 1 | - | - |
| 4X = 20 | 9 | 9 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 5 | 4 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 4 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 1 | - | - | - |
| HS = 26 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 8 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 | 4 | 1 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | 1 | - | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 | 6 | 3 |
| KH6 = 31 | - | - | - | - | 2 | 6 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 4 | 6 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | - | - | - | - | - | 1 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 7 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 8 | 8 |
| FJL = 40 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jun., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | 2 | 2 | 4 | 4 | 4 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 | 9 |
| W6 = 03 | 3 | 5 | 7 | 7 | 7 | 8 | 8 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| TI = 07 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 8 | 7 | 3 | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 7 | 8 |
| UA9 = 18 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 6 | 6 | 7 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 4 | 1 | - |
| 4X = 20 | 9 | 9 | 8 | 8 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 | 7 | 7 | 7 |
| JT = 23 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 6 | 3 | 6 |
| VR2 = 24 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 5 | 4 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 4 | 1 | - |
| HS = 26 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 | 7 | 6 | 4 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 8 | 6 |
| VK6 = 29 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 7 | 6 | 6 |
| VK3 = 30 | 4 | 1 | 1 | 1 | 1 | - | 3 | 4 | 4 | 2 | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 4 | 4 | 7 | 6 |
| KH6 = 31 | - | - | 1 | 5 | 6 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - |
| KH8 = 32 | - | - | 1 | 5 | 6 | 7 | 6 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 2 | 1 | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | 2 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 7 | 7 | 8 | 4 | - | - | 8 | 8 | 5 | 1 | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 6 | 4 | 2 | 5 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 7 |
| FJL = 40 | 8 | 7 | 6 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 5 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jun., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 6 | 4 | 1 | - | - | - | 1 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 7 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 8 | 9 | 9 | 7 | 6 | 5 | 2 | 4 | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 7 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | 1 | - | - | - | 1 | 4 | 6 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 8 | 9 | 9 | 8 | 4 | 1 | 2 | 1 | 1 | 2 | 5 | 5 | 5 | 7 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 7 | 9 | 9 | 7 | 4 | 5 | 3 | 2 | 1 | 2 | 5 | 5 | 7 | 8 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 5 | 9 | 9 | 8 | 5 | 3 | 1 | - | - | 1 | 2 | 1 | 2 | 4 | 7 | 8 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 1 | 9 | 8 | 8 | 7 | 3 | 1 | 1 | - | 1 | 3 | 3 | 5 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2* | 1 | 9 | 9+ | 9 | 8 | 6 | 4 | 2 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | - | - | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 9 | 5 | 4 | 9+ | 9 | 7 | 8 | 4 | 1 | 1 | 1 | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | - | 9+ | 9+ | 9+ | 9 | 8 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | 2 | - | 9 | 8 | 6 | 3 | 2 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | 3 | 9 | 9+ | 9 | 7 | 4 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 7 | 8 | 6 | 4 | 3 | 1 | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 5 | 3 | 8 | 9 | 8 | 5 | 4 | 1 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 8 | 7 | 5 | 7 | 6 | 3 | 2 | - | 1 | 1 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 8 | 8 | 5 | 5 | 2 | 1 | - | - | - | - | - | 1 | 1 | 3 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 9 | 8 | 6 | 1 | 1 | 3 | 1 | 1 | - | - | - | - | 1 | - | 1 | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| UA0 = 19 | 5 | 5 | 4 | 2 | 1 | 1 | 1 | - | 3* | 3* | 2* | 1* | - | - | - | 1* | 4 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| 4X = 20 | 9+ | 9+ | 9 | 9 | 4 | 5 | 8 | 7 | 5 | 3 | 1 | 1 | 1 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 5 | 2 | - | - | - | 1 | 1 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 8 | 7 | 6 | 5 | 1 | 1 | - | - | - | - | - | 1 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 6 | 6 | 5 | 1 | - | - | - | - | - | 1* | - | - | - | - | 1 | 7 | 6 | 7 | 8 | 7 | 9 | 9 | 8 |
| VR2 = 24 | 7 | 6 | 2 | - | - | - | - | - | 2* | 2* | 2* | 1* | - | - | - | 2 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 |
| JA1 = 25 | 4 | 2 | 1 | - | - | - | - | 1* | 5* | 5* | 4* | 2* | - | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 |
| HS = 26 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | 2* | 1 | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 7 | 5 | 2 | - | - | - | - | - | 3* | 4* | 3* | 1* | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 8 | 8 | 7 | 2 | - | - | - | - | 1* | 1* | 1* | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 3 | 1* |
| VK6 = 29 | 5 | 5 | 3 | 1 | - | - | 1 | 5 | 7 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | 2* | 3 | 4 | 1 | 1* | 1* |
| VK3 = 30 | 4 | 2 | 3 | 3 | 1 | 1* | 1 | 8 | 8 | 7 | 5 | 3 | - | - | - | 1 | 4 | 5 | 5 | 2 | 1* | 1* | 5 | 6 |
| KH6 = 31 | 1 | 4 | 7 | 8 | 8 | 8 | 4 | 5 | 9 | 9 | 7 | 5 | 1 | - | - | 1* | 4* | 4* | 5* | 3* | 1* | - | - | - |
| KH8 = 32 | 1 | 5 | 7 | 8 | 8 | 8 | 2* | 2* | 9 | 8 | 6 | 4 | 1 | - | - | - | 4* | 7 | 7* | 6* | 5* | 2 | 1 | 1 |
| CN = 33 | 9+ | 9+ | 9 | 8 | 6 | 3 | 6 | 9+ | 9 | 9 | 8 | 6 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 9 | 4 | 5 | 9 | 8 | 5 | 3 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 1 | 1 | 3 | 9 | 9 | 7 | 2 | 1 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | 1 | - | 1* | 1* | 5 | 9+ | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 4 | 1 |
| FR = 39 | - | - | 1* | - | - | 1 | 8 | 7 | 3 | 1 | 2 | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | 1 |
| FJL = 40 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 6 | 6 | 4 | 3 | 2 | 1 | 2 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jun., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 7 | 8 | 8 | 8 | 6 | 4 | 1* | 7* | 6* | 4* | 2* | 1 | 1* | 1* | 2 | 6 | 4* | 5* | 5 | 5 | 7 | 8 | 8 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 8 | 5 | - | 2 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 7 | 3 | - | 5* | 8 | 6 | 2* | 1* | 2 | 4 | 4 | 5 | 9 | 7 | 7 | 6 | 6 | 7 | 8 | 9 |
| W9 = 04 | 9 | 9 | 9 | 8 | 8 | 5 | - | 3* | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 7 | 7 | 7 | 2 | - | 1* | 9 | 6 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 4 | 1* | 4* | 6 | 9 | 8 | 8 | 8 | 4 | 6 | 6 | 7 | 4 | 5 | 6 | 7 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 5 | 5 | 1 | 1* | 3* | 3* | 8 | 2 | 8 | 8 | 6 | 7 | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 7 | 5 | 4 | 3 | - | 1* | 2* | 2 | 9+ | 9+ | 9 | 9 | 8 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 8 | 8 | 6 | 4 | 3 | - | 1* | 2* | 2* | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1* | 2* | 2 | 2 | 7 | 9 | 8 | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | 2 | 9 | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | - | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 6 | 2 | 2 | - | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 8 | 7 | 6 | 2 | - | 2 | 9 | 9 | 7 | 6 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 7 | 6 | 5 | 5 | - | - | 4 | 9+ | 9 | 9 | 8 | 6 | 6 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | 8 | 8 | 7 | 7 | 2 | 1 | 6 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| UN = 17 | 9 | 9 | 9 | 7 | - | 1 | 6 | 5 | 3 | 2 | 4 | 4 | 4 | 3 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| UA9 = 18 | 8 | 9 | 8 | 3 | - | - | 5 | 5 | 6 | 5 | 9 | 4 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA0 = 19 | 8 | 7 | 6 | 5 | 2 | 1 | 5 | 4 | 4 | 7* | 7 | 4 | 4 | 4 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 8 | 5 | 1* | - | 8 | 9 | 8 | 6 | 5 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 7 | 8 | 2* | 2 | 8 | 8 | 7 | 5 | 4 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 3 | 3 | 6 | 3 | 2 | 1 | 3 | 4 | 2 | 4 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| JT = 23 | 8 | 8 | 7 | 3 | - | - | 5 | 5 | 5 | 8 | 8 | 4 | 4 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 8 |
| VR2 = 24 | 9 | 9 | 8 | 5 | 1 | 1 | 2 | 1 | 8 | 8 | 7 | 3* | 3 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 7 | 6 | 4 | 1 | 1* | - | 3 | 6 | 6 | 8* | 8 | 5* | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| HS = 26 | 8 | 9 | 8 | 6 | - | - | 3 | 4 | 3 | 8 | 8 | 2 | 3 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| DU = 27 | 9 | 9 | 7 | 5 | 1* | 1* | 2 | 2 | 8 | 7 | 7 | 4* | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 9 |
| YB = 28 | 5 | 5 | 1 | - | - | - | 1 | 2 | 7 | 6 | 7 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 8 | 6 | 5 | 2 | 2* | 1* |
| VK6 = 29 | 1* | 1* | 1* | 1* | - | - | - | 7 | 7 | 7 | 6 | 6 | 5 | 1 | - | - | - | 1* | 1* | - | - | - | 2* | 1* |
| VK3 = 30 | 1* | - | - | 1* | 1* | 1* | 1* | 2 | 9 | 8 | 4* | 2* | - | - | - | - | - | 1 | - | - | 3* | 2* | 2* | 1 |
| KH6 = 31 | 6 | 7 | 7 | 7 | 6 | 2 | - | 4* | 6 | 9 | 8 | 8 | 6 | 4 | 3 | 4 | 8 | 7 | 8 | 8 | 5* | 4 | 5 | 5 |
| KH8 = 32 | 6 | 7 | 6 | 5 | 6 | 1 | 4* | 2* | 4 | 1 | 3* | 2* | 2* | 2* | 2* | 4* | 1* | 6 | 7 | 8* | 7* | 6 | 5 | 5 |
| CN = 33 | 5 | 3 | 1 | 4 | - | - | - | 1 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 |
| SU = 34 | 9+ | 9+ | 7 | 5 | 1* | - | 8 | 9 | 8 | 7 | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9 | 9 | 8 | 9 | 8 | 3 | 4 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 8 | 2* | 1* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 8 | 1 | 2* | 4* | 1* | 8 | 9+ | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | 2 | - | - | - |
| FR = 39 | - | - | 2* | 1* | 1* | - | 7 | 9 | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 8 | 5 | 5 | 3 | - | - | - |
| FJL = 40 | 6 | 5 | 3 | 8 | 7 | 4 | 6 | 8 | 7 | 6 | 7 | 5 | 4 | 3 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jun., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 1 | 4 | 6 | 5 | 2 | 1 | - | 6* | 5* | 4* | 1* | 1* | - | - | - | 1* | 1* | 4* | 4* | 2* | 2 | 1 | 4 |
| VO2 = 02 | 8 | 8 | 6 | 5 | 4 | - | - | - | 3 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 7 | 6 | 5 | 1 | - | - | 5* | 5* | 4* | 3* | 1* | - | 1 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 9 |
| W9 = 04 | 7 | 6 | 4 | 2 | 3 | - | - | 1* | 2 | 2 | - | 2 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 8 |
| W3 = 05 | 8 | 8 | 1 | 1 | 1 | - | - | - | 7 | - | 4 | 7 | 7 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 7 | 5 | 3 | 1 | 2 | - | - | 5* | 4* | 8 | 1* | 3 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 |
| TI = 07 | 8 | 8 | 6 | - | - | - | - | 5* | 4* | 6 | 1* | 2 | 8 | 8 | 8 | 9 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 |
| P4 = 09 | 1 | - | - | - | - | - | - | 3* | 1* | 1* | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 8 | 5 |
| HC = 10 | 9 | 8 | 6 | 4 | 3 | - | 1* | 3* | 3* | 1* | - | 6 | 8 | 7 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| PY1 = 11 | 4 | 9+ | 9+ | 9 | 9 | 7 | 1* | - | 1 | - | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| CE = 12 | 9+ | 9 | 5 | 1 | 1 | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ |
| LU = 13 | 8 | 6 | - | - | - | - | - | - | - | - | 6 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| G = 14 | 3 | 1 | - | 1 | - | - | - | 1 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 5 |
| I = 15 | 1 | - | - | - | - | - | - | 7 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 7 | 3 | 2 |
| UA3 = 16 | 4 | 2 | 1 | 4 | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UN = 17 | 7 | 8 | 7 | 3 | - | - | 6 | 8 | 6 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA9 = 18 | 2 | 5 | 3 | - | - | - | - | 7 | 7 | 6 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 3 | 1 |
| UA0 = 19 | 5 | 3 | 2 | 3 | - | - | 2 | 5 | 4 | 7* | 6* | 5 | 4 | 4 | 5 | 6 | 7 | 5 | 3 | 2* | 6* | 5* | 2 | 4 |
| 4X = 20 | 7 | 6 | 3 | 1 | - | - | 4 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| HZ = 21 | 9 | 8 | 4 | 5 | 1* | - | 6 | 8 | 9 | 8 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| VU = 22 | 9 | 8 | 9 | 7 | - | 1 | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 7 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| JT = 23 | 5 | 4 | 2 | - | - | - | 3 | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 7 | 4 | 3* | 2* | 1 |
| VR2 = 24 | 8 | 9 | 8 | 4 | 1* | - | 4 | 4 | 4 | 7* | 6* | 5* | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 |
| JA1 = 25 | 4 | 3 | 1 | - | - | - | 1 | 6 | 5 | 8* | 8* | 6* | 5 | 5 | 6 | 8 | 8 | 8 | 7 | 5 | 7 | 8 | 8 | 6 |
| HS = 26 | 7 | 9 | 8 | 1 | - | - | 3 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 7 | 6 | 2 | 4 |
| DU = 27 | 9 | 8 | 7 | 2 | 1* | - | 3 | 4 | 5 | 8* | 7* | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 3 | 8 |
| YB = 28 | 1* | 1 | - | - | - | - | - | 4 | 5 | 6* | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 7 | 3 | - | - | - | 1* | 1* |
| VK6 = 29 | 1* | - | - | - | - | - | - | 4 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 1* | - | - | 1* | 1* | - | - | - | 8 | 5* | 1* | - | - | - | - | - | - | - | - | - | 1* | 5* | 4* | 2* |
| KH6 = 31 | 3 | 4 | 3 | 2 | 1 | - | - | 5* | 6* | 9 | 8 | 7 | 3 | 3* | 3* | 3 | 5 | 6 | 6 | 7* | 5 | 6 | 5 | 5 |
| KH8 = 32 | 6 | 4 | 1 | - | 1 | - | 2* | 4* | 4* | 4* | 4* | 3* | 2* | 2* | 2* | 1* | - | 4 | 8 | 8 | 8 | 7 | 6 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | 8 | 9 | 3 | 5 | 3 | 9 | 6 | 7 | 8 | 9+ | 9+ | 9+ | 9+ | 7 | 1 | - |
| SU = 34 | 6 | 5 | 3 | - | - | - | 3 | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| 6W = 35 | 5 | 4 | 2 | 7 | 3 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 |
| D2 = 36 | 9+ | 9 | 8 | 1 | - | - | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 6 | 1 | - | 2* | 1* | - | 2 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | - | - | - | 2 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 7 | 1 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 7 | 5 | 5 | 1 | 1 | - | - | - | - |
| FJL = 40 | - | - | - | 6 | 3 | - | 2 | 3 | 4 | 5 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 5 | 4 | 4 | 3 | 1 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jun., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 2 | 1 | - | - | - | 1* | 2* | 1* | - | - | - | - | - | - | - | 1* | 3* | 1* | - | - | - |
| VO2 = 02 | 4 | 1 | - | - | - | - | - | - | - | 1 | 6 | 6 | 5 | 5 | 5 | 7 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 7 |
| W6 = 03 | 2 | 1 | - | - | - | - | - | - | 4* | 2* | 2* | 1* | - | - | 2 | 3 | 2 | 3 | 5 | 5 | 5 | 5 | 6 | 7 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | 4 | 5 | 5 | 5 | 6 | 8 | 4 |
| W3 = 05 | 4 | 1 | - | - | - | - | - | - | 2 | - | - | 2 | 1 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 7 |
| XE1 = 06 | - | - | - | - | - | - | - | 3* | - | 5 | - | - | - | 4 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 6 | 3 |
| TI = 07 | 2 | 1 | - | - | - | - | - | 4* | - | 2 | - | - | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 6 | 5 | 6 | - | - | 1 | 3 | 6 | 8 | 8 | 7 | 2 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 1 | 1 | 1 | 5 | 7 | 8 | 8 | 7 | 2 | - |
| HC = 10 | 4 | 2 | 1 | - | - | - | - | 3* | 1* | - | - | 1 | 4 | 5 | 4 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| PY1 = 11 | 9+ | 9 | 9 | 8 | 7 | 2 | - | - | - | 9 | 4 | 9+ | 9+ | 8 | 6 | 2 | 6 | 8 | 9+ | 9+ | 9+ | 8 | 3 | 9+ |
| CE = 12 | 8 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 9 |
| LU = 13 | 4 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 |
| G = 14 | - | - | - | - | - | - | - | - | 6 | 5 | 2 | 3 | 4 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 1 | - |
| I = 15 | - | - | - | - | - | - | - | - | 5 | 2 | 3 | 3 | 2 | 2 | 3 | 5 | 6 | 7 | 8 | 8 | 5 | 2* | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 6 | 5 | 5 | 3 | 2 | 1 | 2 | 2 | 5 | 6 | 7 | 8 | 7 | 7 | 4 | 4 |
| UN = 17 | 2 | 5 | 1 | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | 3 | 6 | 4 | 3 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 2 | 1 | - | 1* | - |
| UA0 = 19 | - | - | - | 1 | - | - | - | 1 | 1 | 7* | 5* | 4* | 3* | 1 | 2 | 1 | 1 | - | - | - | 1* | 4* | 1* | - |
| 4X = 20 | - | - | - | - | - | - | - | 9 | 5 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 7 | 4 | 2 | 1 |
| HZ = 21 | 6 | 6 | 1 | 1 | - | - | 2 | 7 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| VU = 22 | 7 | 7 | 8 | 1 | - | - | 4 | 8 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 7 | 6 | 7 | 7 | 6 | 5 |
| JT = 23 | - | - | - | - | - | - | - | 6 | 3 | 4* | 4* | 3* | 2 | 1 | 2 | 2 | 3 | 3 | 2 | - | - | 1* | 2* | - |
| VR2 = 24 | 8 | 8 | 5 | 1 | - | - | 1 | 6 | 5 | 5 | 8* | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | 2* | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | 4 | 3 | 6* | 7* | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | 5* | 3 | 1 |
| HS = 26 | 5* | 8 | 3* | - | - | - | 1 | 7 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 6 | 6 | 5 | 4 | 2 | - | - | 4* |
| DU = 27 | 8 | 7 | 4 | 1* | 1* | - | 1 | 6 | 6 | 6 | 8* | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 3 | - | 4* | 6 |
| YB = 28 | - | - | - | - | - | - | - | 5 | 7 | 7 | 7 | 8 | 7 | 7 | 5 | 5 | 5 | 1 | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 8 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 5 | 1* | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* | 1* |
| KH6 = 31 | - | - | - | - | - | - | - | 2* | 7* | 8 | 7 | 5 | 3* | 2* | 2* | 1* | 5 | 6 | 6 | 6 | 6 | 6 | 4 | 1 |
| KH8 = 32 | 2 | - | - | - | - | - | - | 6* | 5* | 5* | 5* | 4* | 2* | 1* | - | - | - | - | 8 | 8 | 8 | 8 | 7 | 4 |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1* | - | 1 | 9 | 9 | 1 | 2 | 5 | 6 | 8 | 7 | 5 | 1* | - | - |
| SU = 34 | - | - | - | - | - | - | - | 9 | 5 | 2 | 5 | 8 | 8 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 | 3 | 1 | - |
| 6W = 35 | - | - | - | 1 | - | - | - | - | 4 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - |
| D2 = 36 | 6 | 2 | 1 | - | - | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| 5Z = 37 | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 7 | 9+ | 9 | 9 | 7 | 7 | 9 | 9+ | 8 | 5 | 2 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jun., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 3 | 4 | 3 | 2 | 4 | 6 | 7 | 7 | 2 |
| W6 = 03 | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | 1* | 2* | 1* | 1 | 1 | 1 | 2 | 3 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 5 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 6 | 2 |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | 3 | 3 | 5 | 2* | 2 | 4 | 6 | 5 | 1 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 4 | 6 | 7 | 8 | 8 | 7 | 3 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1* | - | - | 3 | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 2* | 1* | 1 | 3 | 1 | - | - |
| HC = 10 | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1* | 1 | 4 | 6 | 9 | 8 | 6 | 4 | 1 |
| PY1 = 11 | 9 | 8 | 6 | 2 | 2 | - | - | - | - | 6 | - | 2 | 5 | 2 | 1 | 9+ | 9+ | 2* | 3* | 4 | 6 | 3* | 9+ | 9 |
| CE = 12 | 4 | - | - | - | - | - | - | - | - | - | - | - | 9 | 2 | 8 | 3* | 9 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 5 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 4 | 1 |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 2 | 2 | 4 | 6 | 7 | 5 | 2 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 4 | 2 | - | 1* | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | 2 | - | - |
| UN = 17 | - | 2 | - | - | - | - | - | 5 | 6 | 6 | 7 | 6 | 5 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 5 | 2 | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 2 | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | 1* | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | 4* | 5* | 2* | 1* | - | - | - | - | - | - | - | - | 2* | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 2 | - | - | 4 | 5 | 1 | - | 1 | 4 | 5 | 6 | 6 | 6 | 1 | - | - | - |
| HZ = 21 | 1 | 3 | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 2 |
| VU = 22 | 4 | 4 | 5 | - | - | - | - | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 4 | 1 | 1 | 2 | 2 | 1 | 1 |
| JT = 23 | - | - | - | - | - | - | - | 1 | - | - | 4* | 2* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5 | 5 | 1 | - | - | - | - | 5 | 7 | 7 | 8* | 6 | 8 | 8 | 8 | 7 | 6 | 6 | 6 | 4 | 1 | - | 1* | 4* |
| JA1 = 25 | - | - | - | - | - | - | - | 1 | - | 2* | 6* | 3* | 1 | - | - | - | - | - | - | - | - | - | 1* | - |
| HS = 26 | 4* | 7 | 1* | - | - | - | - | 4 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | 1* |
| DU = 27 | 8 | 4 | - | - | - | - | - | 6 | 8 | 8 | 8* | 7 | 7 | 7 | 5 | 3 | 2 | 2 | 1 | 1 | - | - | 2* | 5* |
| YB = 28 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 7 | 5 | 3* | 1 | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | 5 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3* | 2* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 7* | 6 | 5 | 3* | 4* | 3* | 2* | 1* | 1 | 5 | 5 | 4 | 5 | 5 | 1 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 2* | 5* | 4* | 2* | 2* | 1* | - | - | - | - | - | 6 | 8 | 9 | 8 | 5 | 1 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | - | - | - | 1 | 3 | 1 | 1* | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 1 | - | - | 2 | 4 | - | - | - | 2 | 3 | 4 | 5 | 5 | 1 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 8 | 8 | 9 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 5 | 4 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 |
| 5Z = 37 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 7 | 9 | 9 | 9+ | 9+ | 9 | 7 | 4 | 2 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | 1 | 1 | 5 | 5 | 4 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 6 | 6 | 7 | 7 | 1 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jul., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W6 = 03 | - | - | - | - | 1 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 4 | 4 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 3 | 5 | 5 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 4 | 4 | 5 | 5 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| P4 = 09 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 2 | 2 | 3 | 2 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 6 |
| CE = 12 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 3 |
| G = 14 | 4 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 4 |
| UA3 = 16 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 4 |
| HZ = 21 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 6 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 3 | 5 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 4 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 4 | 4 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 4 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jul., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| W6 = 03 | - | - | - | - | 4 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 5 | 7 | 7 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 6 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 4 | 6 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 7 | 7 | 8 | 8 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| P4 = 09 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 |
| HC = 10 | 5 | 5 | 6 | 5 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9 |
| CE = 12 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 6 |
| G = 14 | 7 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 |
| UA3 = 16 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 7 |
| HZ = 21 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 9 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 9 | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 2 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - | - | - | 6 | 8 | - | 1 | 2 | 1 | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 |
| SU = 34 | 7 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 7 | 8 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 6 | 7 | 7 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 4 | 8 | 8 |
| FJL = 40 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jul., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 2 | 4 | 4 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 |
| W6 = 03 | 1 | 2 | 5 | 6 | 7 | 8 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 |
| XE1 = 06 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 6 |
| UA9 = 18 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 1 | - | - |
| 4X = 20 | 9 | 9 | 9 | 9 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 5 | 5 | 3 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 6 | 2 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 4 | 1 | - | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 | 4 | 1 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 7 | 8 |
| VK6 = 29 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 | 1 |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 2 | 6 | 6 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 1 | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 7 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 8 | 8 | 8 |
| FJL = 40 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jul., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 4 | 4 | 6 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 8 | 9 |
| W6 = 03 | 4 | 6 | 7 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 5 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | 7 | 8 | 6 | 2 | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 8 | 7 | 7 |
| UA9 = 18 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 6 | 6 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 5 | 6 | 5 | 2 | 1 |
| 4X = 20 | 9 | 9 | 8 | 9 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 6 | 5 | 7 |
| VR2 = 24 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 5 | 5 | 7 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 5 | 1 | 1 |
| HS = 26 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 7 | 6 | 4 |
| YB = 28 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 6 |
| VK6 = 29 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 7 | 5 | 6 |
| VK3 = 30 | 1 | 1 | - | - | - | - | 2 | 4 | 2 | 1 | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 2 | 3 | 6 | 5 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 7 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 6 | 5 | 6 | 4 | 1 | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 6 | 2 | 2 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 5 | 6 | 7 | 4 | - | - | 8 | 8 | 4 | 1 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 6 |
| FR = 39 | 6 | 5 | 1 | 3 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 7 | 5 | 5 |
| FJL = 40 | 7 | 7 | 8 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 7 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jul., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 7 | 5 | 3 | - | - | - | 1 | 4 | 5 | 5 | 6 | 7 | 7 | 7 | 8 |
| VO2 = 02 | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 8 | 9 | 8 | 6 | 6 | 5 | 4 | 4 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 6 | 9 | 7 | 5 | 4 | 1 | - | - | - | - | 1 | - | - | 1 | 1 | 5 | 7 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 9 | 8 | 7 | 6 | 1 | 2 | 1 | 1 | 1 | 4 | 4 | 6 | 7 | 8 | 8 | 9 |
| W3 = 05 | 9 | 9+ | 9+ | 9 | 9 | 8 | 5 | 7 | 9 | 9 | 8 | 7 | 5 | 4 | 3 | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | - | - | - | 1 | 1 | 4 | 7 | 8 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 1 | 8 | 8 | 8 | 6 | 3 | 2 | 1 | - | 1 | 1 | 3 | 5 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1* | 1* | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 1* | - | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 9 | 8 | 7 | 6 | 3 | 2 | 1 | 1 | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 7 | 8 | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | - | - | 1 | - | 9 | 8 | 5 | 2 | 1 | - | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 8 | 5 | - | - | - | 7 | 9 | 9 | 7 | 3 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 7 | 4 | 6 | 8 | 6 | 4 | 2 | 1 | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 5 | 1 | 7 | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 9 | 7 | 5 | 7 | 6 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 8 | 8 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 9 | 8 | 6 | 2 | 1 | 3 | 1 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| UA0 = 19 | 6 | 5 | 4 | 2 | 1 | 1 | 1 | - | 4* | 4* | 2* | 1* | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 9 | 6 | 6 | 8 | 7 | 5 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 9 | 7 | 7 | 7 | 5 | 4 | 1 | - | - | 1 | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 6 | 5 | 2 | - | 1 | - | - | - | 1* | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| VR2 = 24 | 7 | 6 | 3 | - | - | - | - | - | 2* | 2* | 1* | - | - | - | 1 | 2 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 5 | 2 | 1 | 1 | - | - | - | - | 9 | 5* | 3* | 1* | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| HS = 26 | 9 | 8 | 7 | 6 | - | - | - | - | - | 1* | 1 | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 7 | 5 | 2 | - | - | - | - | - | 3* | 4* | 2* | 1* | - | - | 1 | 4 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 8 | 7 | 5 | 1 | - | - | - | - | 2* | 1* | 1* | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 1 | 1* |
| VK6 = 29 | 2* | 2 | 2 | 1 | - | - | - | 3 | 8 | 1 | 1 | 1 | 1 | 1 | - | - | - | 1* | 2* | 3 | 5 | 1* | 1* | 1* |
| VK3 = 30 | 1 | 1 | 2 | 2 | 1 | 1* | 2* | 6 | 8 | 7 | 4 | - | - | - | - | - | 2 | 3 | 2 | 2* | 1* | 1* | 4 | 5 |
| KH6 = 31 | 1 | 5 | 7 | 8 | 8 | 8 | 4 | 4 | 9 | 8 | 7 | 4 | 1 | - | - | 1* | 4* | 4* | 5* | 4* | 1* | - | - | - |
| KH8 = 32 | - | 5 | 6 | 7 | 8 | 7 | 2* | 2* | 8 | 7 | 4 | 2 | - | - | - | - | 2* | 5* | 7* | 6 | 5* | 1 | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 8 | 5 | 1 | 5 | 9+ | 9 | 9 | 7 | 5 | 4 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 9 | 6 | 6 | 9 | 8 | 5 | 3 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 6 | 3 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 6 | - | - | - | 9 | 9 | 7 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | 1 | - | 1* | 1* | 1 | 9+ | 9 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 5 | 1 | - |
| FR = 39 | - | - | 1* | - | - | - | 8 | 7 | 2 | 2 | 1 | 2 | 2 | 4 | 5 | 8 | 9 | 8 | 8 | 8 | 6 | 3 | - | - |
| FJL = 40 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 7 | 4 | 2 | 1 | 1 | 1 | 2 | 3 | 5 | 8 | 9 | 8 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jul., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 2 | 7* | 5* | 4* | 2* | 1* | - | - | 3 | 6 | 4 | 5* | 5 | 6 | 6 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 8 | 8 | 5 | - | 4 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 9 | 9 | 9 | 8 | 6 | 2 | - | 5* | 6 | 4 | 2* | 1* | 1 | 4 | 4 | 5 | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 8 | 8 | 8 | 4 | - | 3* | 6 | 6 | - | 6 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 5 | 5 | 1 | - | 1* | 9 | 5 | 8 | 8 | 7 | 7 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 4 | - | 3* | 4 | 9 | 1* | 3 | 7 | 4 | 6 | 7 | 7 | 4 | 5 | 6 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 6 | 6 | 2 | - | 4* | 3* | 8 | 1 | 7 | 8 | 8 | 6 | 6 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 7 | 5 | 2 | 2 | - | - | 1* | - | 9 | 9+ | 9 | 9 | 6 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 8 | 6 | 4 | 3 | - | - | 3* | 2* | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 1 | 2* | 2 | 3 | 7 | 9 | 7 | 8 | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9 | 8 | 9+ | 9+ | 9+ | 9 | 3 | 1 | 6 | 6 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9 | 5 | 5 | - | - | - | - | - | - | 9 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 8 | 1 | - | 1 | - | - | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 8 | 7 | 6 | 1 | - | 1 | 9 | 9 | 7 | 5 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 8 | 8 | 7 | 5 | - | - | 2 | 9 | 9 | 9 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| UA3 = 16 | 9 | 8 | 8 | 8 | 2 | 1 | 6 | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 8 | 1 | 1 | 6 | 5 | 3 | 2 | 4 | 4 | 2 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 8 | 8 | 9 | 5 | - | - | 4 | 5 | 6 | 8 | 9 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| UA0 = 19 | 8 | 8 | 7 | 6 | 2 | - | 4 | 7 | 5 | 7* | 8 | 5 | 4 | 4 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 8 |
| 4X = 20 | 9+ | 9+ | 8 | 5 | - | - | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 8 | 1 | 1 | 8 | 8 | 7 | 6 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 4 | 2 | 6 | 3 | 2 | 1 | 2 | 4 | 4 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| JT = 23 | 8 | 8 | 8 | 5 | - | - | 5 | 6 | 5 | 8 | 8 | 4 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 8 |
| VR2 = 24 | 8 | 9 | 8 | 6 | 1 | - | 2 | 2 | 8 | 8 | 5* | 3* | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| JA1 = 25 | 8 | 7 | 6 | 2 | - | - | 3 | 4 | 5 | 8* | 8 | 5* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HS = 26 | 8 | 9 | 8 | 5 | - | - | 4 | 4 | 4 | 8 | 3* | 2 | 3 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| DU = 27 | 9 | 9 | 7 | 4 | 1* | 1* | 3 | 3 | 8 | 7 | 6* | 4* | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| YB = 28 | 3 | 1 | 1* | - | - | - | - | 2 | 7 | 6 | 8 | 3 | 4 | 5 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | - | 1* | 1* |
| VK6 = 29 | 1* | 1* | 1* | - | - | - | - | 5 | 7 | 6 | 5 | 5 | 4 | - | - | - | - | 1* | 1* | - | - | - | 2* | 1* |
| VK3 = 30 | 1* | 1* | - | 1* | 1* | 1* | 1* | 1* | 9 | 7 | 3* | 1* | - | - | - | - | - | - | - | - | 4* | 3* | 2* | 1* |
| KH6 = 31 | 6 | 7 | 8 | 7 | 6 | 2 | - | 3* | 4 | 8 | 8 | 8 | 6 | 4 | 4* | 5* | 8 | 7 | 8 | 8 | 6* | 5 | 5 | 5 |
| KH8 = 32 | 5 | 6 | 2 | 2* | 2 | - | 2* | 2* | 2* | 3* | 3* | 2* | 1* | 2* | 3* | 5* | 3* | 4 | 6 | 8* | 7* | 5 | 5 | 4 |
| CN = 33 | 5 | 4 | 2 | 3 | - | - | - | - | 9+ | 9+ | 9 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 |
| SU = 34 | 9+ | 9+ | 8 | 5 | - | - | 9 | 9 | 8 | 7 | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9 | 9 | 8 | 3 | 4 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9 | 7 | - | 1* | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 1 | - | 2* | 2* | 1* | 5 | 9 | 9 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | - | - | 6 | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | 1 | - | - | - |
| FR = 39 | - | - | 3* | 1* | - | - | 5 | 8 | 7 | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 8 | 5 | 2 | 1 | - | - | - |
| FJL = 40 | 5 | 4 | 2 | 8 | 6 | 3 | 6 | 8 | 8 | 6 | 7 | 5 | 6 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jul., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 1 | 4 | 6 | 5 | 2 | 2 | - | 7* | 5* | 4* | 1* | - | - | - | - | - | 1* | 5* | 4* | 2* | 1 | 4 | 4 |
| VO2 = 02 | 8 | 7 | 5 | 3 | 2 | - | - | - | 2 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 7 | 6 | 5 | 3 | 1 | - | - | 1* | 5* | 4* | 2* | 1* | - | 2 | 5 | 6 | 5 | 6 | 6 | 7 | 7 | 7 | 8 | 9 |
| W9 = 04 | 6 | 5 | 3 | 1 | 1 | - | - | 1* | 2 | 1 | - | 1 | 7 | 8 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| W3 = 05 | 8 | 7 | 6 | - | - | - | - | - | 6 | - | 4 | 7 | 8 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 7 | 5 | 3 | 1 | 2 | - | - | 5* | 4* | 7 | 1* | - | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 8 |
| TI = 07 | 9 | 8 | 7 | - | - | - | - | 5* | 4* | 5 | 1* | 1 | 8 | 7 | 8 | 9 | 7 | 8 | 8 | 9 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 |
| P4 = 09 | 2 | 1 | - | - | - | - | - | 2* | - | - | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 6 |
| HC = 10 | 9 | 9 | 7 | 5 | 4 | 1 | - | 2* | 2* | - | - | 6 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 9 | 8 | 9 | 9+ | 9 |
| PY1 = 11 | 2 | 9+ | 9 | 8 | 9 | 6 | - | - | - | - | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| CE = 12 | 9+ | 8 | 1 | - | - | - | - | - | - | - | - | 8 | 9 | 8 | 7 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 1 | - | - | - | - | - | - | - | - | 2 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| G = 14 | 4 | 2 | 1 | 1 | - | - | - | - | 9 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| I = 15 | 2 | 1 | - | 1 | - | - | - | 2 | 9 | 8 | 8 | 5 | 5 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 4 |
| UA3 = 16 | 4 | 1 | 3 | 5 | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| UN = 17 | 6 | 8 | 8 | 6 | - | - | 7 | 7 | 7 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| UA9 = 18 | 1 | 3 | 7 | - | - | - | - | 7 | 8 | 7 | 6 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | 2* | 1 |
| UA0 = 19 | 5 | 5 | 4 | 4 | - | - | 2 | 6 | 5 | 7* | 6* | 5 | 5 | 5 | 6 | 7 | 7 | 5 | 2 | 1 | 4* | 5* | 1 | 4 |
| 4X = 20 | 9 | 7 | 4 | 1 | - | - | 4 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 8 | 8 | 5 | - | - | 6 | 8 | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 8 | 8 | 9 | 8 | 1 | - | 7 | 7 | 6 | 5 | 5 | 5 | 5 | 7 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| JT = 23 | 5 | 6 | 6 | 2 | - | - | 3 | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 8 | 7 | 4 | 3* | 2* | 1 |
| VR2 = 24 | 8 | 9 | 8 | 4 | 1* | - | 3 | 4 | 4 | 7* | 6* | 4 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 7 |
| JA1 = 25 | 7 | 6 | 3 | - | - | - | 1 | 7 | 5 | 8* | 8* | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 6 | 3 | 5 | 8 | 9 | 8 |
| HS = 26 | 6 | 8 | 6 | 2* | - | - | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 3 | 4 |
| DU = 27 | 9 | 8 | 6 | 2* | 1* | - | 2 | 5 | 5 | 8* | 7* | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 3 | 8 |
| YB = 28 | 1* | 1* | - | - | - | - | - | 5 | 5 | 5 | 5 | 6 | 7 | 7 | 8 | 7 | 6 | 3 | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 8 | 8 | 6 | 6 | - | - | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | 1* | - | - | - | - | - | - | - | 8 | 4* | - | - | - | - | - | - | - | - | - | - | 1* | 5* | 3* | 2* |
| KH6 = 31 | 4 | 4 | 2 | 1 | - | - | - | 3* | 6* | 9 | 8 | 7 | 3 | 3* | 4* | 4* | 5 | 6 | 6 | 7* | 5 | 6 | 6 | 5 |
| KH8 = 32 | 4 | 2 | 2* | 1* | - | - | 2* | 4* | 4* | 4* | 4* | 4* | 3* | 2* | 3* | 2* | - | - | 7 | 8* | 8* | 7 | 6 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | 4 | 8 | 2 | 3 | 2 | 9 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9 | 6 | 1 | - |
| SU = 34 | 8 | 6 | 4 | - | - | - | 4 | 9+ | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 6W = 35 | 7 | 7 | 5 | 8 | 3 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| D2 = 36 | 9 | 6 | 5 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 2* | 1* | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 8 | 5 | - | - | - | - | - |
| FR = 39 | - | - | 1* | - | - | - | - | 9 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | 6 | 2 | - | 2 | 3 | 4 | 5 | 5 | 4 | 2 | 3 | 3 | 4 | 5 | 5 | 6 | 6 | 6 | 5 | 2 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jul., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 2 | 1 | - | - | - | 1* | 4* | 2* | - | - | - | - | - | - | - | - | 2* | - | - | - | - |
| VO2 = 02 | 2 | 1 | - | - | - | - | - | - | - | 1 | 1 | 6 | 6 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 8 | 5 |
| W6 = 03 | 1 | - | - | - | - | - | - | - | 3* | 1* | 1* | - | - | - | 1 | 2 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 7 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 2 |
| W3 = 05 | 2 | - | - | - | - | - | - | - | 2 | - | - | 1 | 1 | 2 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 |
| XE1 = 06 | 1 | - | - | - | - | - | - | 1* | 1* | 3 | - | - | - | 2 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 4 |
| TI = 07 | 4 | 2 | 1 | - | - | - | - | 1* | - | 2 | - | - | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 7 | 4 | - | - | - | - | 3 | 6 | 8 | 8 | 7 | 2 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 1 | - | 1 | 5 | 7 | 9 | 9 | 8 | 4 | - |
| HC = 10 | 5 | 4 | 1 | - | - | - | - | 1* | - | - | - | 1 | 3 | 3 | 2 | 2 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 7 |
| PY1 = 11 | 9+ | 9 | 4 | - | 5 | 1 | - | - | - | 9 | 2 | 8 | 9+ | 8 | 7 | 3 | 6 | 8 | 9 | 9+ | 9 | 7 | 4* | 9+ |
| CE = 12 | 5 | - | - | - | - | - | - | - | - | - | - | - | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9 | 8 |
| LU = 13 | 3 | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 5 |
| G = 14 | - | - | - | - | - | - | - | - | 4 | 3 | 1 | 2 | 4 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 1 | - |
| I = 15 | - | - | - | - | - | - | - | - | 3 | 1 | 2 | 2 | 1 | 1 | 1 | 3 | 5 | 6 | 8 | 8 | 7 | 2 | - | - |
| UA3 = 16 | - | - | - | 1 | - | - | - | - | 5 | 4 | 3 | 3 | 2 | 1 | 1 | 2 | 5 | 6 | 7 | 8 | 7 | 4 | 1 | - |
| UN = 17 | 1 | 4 | 6 | - | - | - | 2 | 8 | 7 | 8 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 3 | 1 |
| UA9 = 18 | - | - | 1 | - | - | - | - | 1 | 6 | 5 | 4 | 2 | 2 | 2 | 2 | 4 | 5 | 6 | 5 | 4 | 1 | - | 1* | - |
| UA0 = 19 | - | 1 | - | 1 | - | - | - | - | 1 | 6* | 5* | 4* | 2* | 1 | 2 | 2 | 1 | - | - | - | - | 3* | - | - |
| 4X = 20 | 3 | - | - | - | - | - | - | 9 | 4 | 2 | 8 | 8 | 8 | 6 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 7 | 6 | 5 |
| HZ = 21 | 7 | 7 | 4 | 1 | - | - | 1 | 8 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VU = 22 | 6 | 6 | 8 | 2 | - | - | 4 | 8 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 5 | 5 | 6 | 7 | 6 | 5 |
| JT = 23 | - | 1 | - | - | - | - | - | 5 | 3 | 2* | 4* | 3* | 3 | 2 | 3 | 4 | 5 | 4 | 2 | - | - | 1* | 1* | - |
| VR2 = 24 | 7 | 8 | 6 | 1 | - | - | 1 | 6 | 5 | 4 | 7* | 5 | 6 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 4 | 1 | 2* | 4* |
| JA1 = 25 | 2 | 1 | - | - | - | - | - | 4 | 3 | 5* | 8* | 6 | 6 | 6 | 7 | 6 | 5 | 2 | - | - | - | 5* | 5 | 5 |
| HS = 26 | 5* | 5* | 3* | - | - | - | - | 5 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 6 | 6 | 5 | 2 | 1 | - | 2* |
| DU = 27 | 8 | 5 | 2 | 1* | 1* | - | 1 | 7 | 7 | 6 | 8* | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 3 | - | 4* | 6 |
| YB = 28 | - | - | - | - | - | - | - | 1 | 7 | 6 | 6 | 6 | 8 | 8 | 5 | 4* | 1* | - | - | - | - | - | - | 2* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 6 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 2* | 1* |
| KH6 = 31 | - | - | - | - | - | - | - | - | 7* | 5 | 7 | 5 | 3* | 2* | 3* | 2* | 3 | 6 | 6 | 5 | 6 | 6 | 4 | 1 |
| KH8 = 32 | 1 | 1* | - | - | - | - | - | 6* | 5* | 5* | 5* | 5* | 4* | 2* | 1* | - | - | - | 6 | 8 | 8 | 7 | 5 | 3 |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1* | - | 9 | 8 | 8 | 9 | 1 | 3 | 5 | 6 | 5 | 3 | - | - | - |
| SU = 34 | 2 | - | - | - | - | - | - | 9 | 2 | - | 4 | 5 | 6 | 4 | 6 | 9 | 8 | 9 | 9+ | 9 | 8 | 6 | 5 | 5 |
| 6W = 35 | 1 | - | - | 2 | - | - | - | - | 3 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 1 |
| D2 = 36 | 2 | - | - | - | - | - | - | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| 5Z = 37 | - | - | - | - | - | - | - | 3 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 5 | 2 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 4 | 3 | 6 | 8 | 7 | 2 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 2 | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jul., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 5 | 7 | 7 | 3 | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | 1* | 1 | 1 | 1 | 1 | 2 | 3 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 2 | 5 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 6 | 6 | 7 | 7 | 8 | 4 | 1 |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 1 | 2 | 5 | 7 | 6 | 2 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 7 | 8 | 8 | 8 | 8 | 5 | 1 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | 3 | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1* | 1* | 1* | 2 | 5 | 2 | - | - |
| HC = 10 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 9 | 9 | 8 | 5 | 2 |
| PY1 = 11 | 8 | 8 | - | - | 1 | - | - | - | - | 2 | 9 | 1 | 3 | 2 | 1 | 9+ | 9+ | 2* | 4* | 4* | 4 | 9+ | 9+ | 9 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 1 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 6 | 2* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 6 | 4 | 1 |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | 4 | 6 | 7 | 5 | 2 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 2 | 1 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - | - | - |
| UN = 17 | - | - | 2 | - | - | - | - | 6 | 5 | 6 | 6 | 5 | 4 | 4 | 4 | 5 | 5 | 6 | 5 | 5 | 4 | 1 | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | - | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | 1* | 4* | 2* | 2* | - | - | - | - | - | - | - | - | 1* | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 2 | - | - | 2 | 4 | - | - | - | 2 | 2 | 4 | 5 | 7 | 3 | 1 | 1 | - |
| HZ = 21 | 2 | 4 | 1 | - | - | - | - | 2 | 1 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 4 |
| VU = 22 | 3 | 2 | 5 | - | - | - | - | 7 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 3 | - | - | 1 | 2 | 1 | - |
| JT = 23 | - | - | - | - | - | - | - | 1 | - | - | 4* | 3* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 3 | 5 | 1 | - | - | - | - | 5 | 7 | 7 | 7* | 6 | 7 | 8 | 7 | 6 | 5 | 4 | 4 | 2 | - | - | 1* | 3* |
| JA1 = 25 | - | - | - | - | - | - | - | 1 | - | 1 | 7* | 4* | 1 | 1 | 1 | 1 | - | - | - | - | - | 4* | 1* | - |
| HS = 26 | 4* | 2* | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | 1 | - | - | - | - | - |
| DU = 27 | 7 | 2* | - | - | - | - | - | 4 | 7 | 8 | 8 | 7 | 7 | 7 | 6 | 3 | 2 | 2 | 1 | 1 | - | - | 1* | 5* |
| YB = 28 | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 6 | 4* | 3* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | 1 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 3* | 5* | 5 | 4* | 2* | 2* | 2* | 1* | - | 3 | 3 | 3 | 4 | 5 | 2 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 2* | 6* | 5* | 4* | 4* | 1* | - | - | - | - | - | - | 8 | 9 | 7 | 3 | 1* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | 8 | 7 | 7 | 8 | - | - | - | 1 | 2* | 1* | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 1 | - | - | 1 | 2 | - | - | - | 1 | 1 | 2 | 4 | 6 | 2 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 6 | 7 | 9 | 8 | 7 | 6 | 6 | 6 | 7 | 7 | 5 | 5 | 2 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 2 |
| 5Z = 37 | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 5 | 4 | 6 | 9 | 9+ | 9+ | 9+ | 7 | 2* | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 1 | 3 | 1 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Aug., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W6 = 03 | - | - | - | - | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | - | 3 | 5 | 5 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | - | 4 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| P4 = 09 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 |
| CE = 12 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 4 | 5 | 4 | 4 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 |
| G = 14 | 4 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 |
| I = 15 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UA3 = 16 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| HZ = 21 | 5 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 6 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| SU = 34 | 3 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 9 |
| FR = 39 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Aug., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| W6 = 03 | - | - | - | 2 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 6 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | 1 | 2 | 6 | 8 | 8 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 7 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| P4 = 09 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ |
| CE = 12 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| LU = 13 | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 |
| G = 14 | 7 | 7 | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 6 |
| I = 15 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 |
| UA3 = 16 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 |
| UN = 17 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | - |
| 4X = 20 | 5 | 5 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 7 |
| HZ = 21 | 8 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - | 3 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 3 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 2 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| SU = 34 | 6 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 6 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9+ |
| FR = 39 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 8 | 8 |
| FJL = 40 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Aug., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 1 | 4 | 5 | 4 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 |
| W6 = 03 | 1 | 4 | 5 | 7 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 |
| XE1 = 06 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 3 | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 7 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 8 | 8 |
| UN = 17 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 7 | 7 |
| UA9 = 18 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 6 | 8 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 4 | 1 | - |
| 4X = 20 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 6 | 6 | 7 | 5 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 7 | 2 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 2 | - | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 | 5 | 1 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 7 | 7 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 6 | 1 | 1 |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 7 | 7 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 6 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9+ | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 8 | 8 |
| FJL = 40 | 8 | 8 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Aug., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 3 | 5 | 6 | 6 | 6 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 |
| W6 = 03 | 5 | 7 | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 8 | 5 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 3 | 1 | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 9 | 9 | 8 | 4 | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 9 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 6 | 6 | 5 | 5 | 5 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 | 6 | 1 |
| 4X = 20 | 9 | 9 | 8 | 8 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 7 | 7 |
| JT = 23 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 5 | 5 | 5 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 | 5 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 6 | 4 | 1 |
| HS = 26 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 6 | 6 | 4 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 6 | 7 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 | 6 | 6 | 5 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 7 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 6 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 8 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 7 | 7 | 7 | 4 | 1 | 1 | 8 | 7 | 2 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 6 | 4 | 2 | 5 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 7 |
| FJL = 40 | 7 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 7 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Aug., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 9 | 6 | 4 | 4 | 2 | - | - | - | - | 1 | 5 | 6 | 6 | 7 | 7 | 7 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 7 | 9 | 8 | 7 | 6 | 5 | 3 | 3 | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 5 | 8 | 6 | 2 | 2 | 1 | - | - | - | - | 1 | - | - | 1 | 2 | 5 | 7 |
| W9 = 04 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 6 | 7 | 8 | 8 | 6 | 6 | 3 | 1 | 1 | 1 | 1 | 5 | 5 | 6 | 8 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 4 | 5 | 9 | 8 | 7 | 6 | 3 | 2 | 1 | 1 | 1 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | 9 | 9 | 7 | 5 | 3 | 1 | - | - | 1 | 2 | 1 | 2 | 5 | 7 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 5 | 1 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | 1 | 3 | 3 | 5 | 7 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1* | 1* | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | 9 | 9 | 9 | 8 | 5 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 8 | 9 | 8 | 6 | 4 | 1 | 1 | 1 | 1 | 2 | 6 | 7 | 8 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9 | 1 | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2 | 4 | - | 9 | 7 | 4 | 2 | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | 4 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 8 | 2 | 5 | 9 | 8 | 5 | 2 | 1 | - | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 6 | - | 5 | 9 | 7 | 6 | 3 | 2 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 9 | 7 | 2 | 7 | 7 | 3 | 2 | 1 | - | - | - | 1 | 2 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | 1 | 3 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 8 | 8 | 8 | 7 | 2 | - | 3 | 2 | - | - | - | - | - | - | - | 2 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 7 | 6 | 3 | 3 | 2 | - | 2 | 1 | 8 | 3* | 1* | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 9 | 7 | 4 | 7 | 8 | 5 | 2 | 1 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 9 | 8 | 6 | 7 | 5 | 2 | - | - | - | - | 1 | 3 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 7 | 5 | 2 | - | 1 | - | 1* | - | 1* | - | - | - | 1 | 2 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 9 |
| VR2 = 24 | 7 | 8 | 5 | 1 | - | - | - | - | 3* | 2* | 1* | - | - | - | 1 | 3 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| JA1 = 25 | 5 | 2 | 1 | 1 | - | 1* | 1* | 2* | 8 | 5* | 2* | 1* | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| HS = 26 | 9 | 8 | 8 | 5 | 1 | - | - | - | 1* | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 7 | 6 | 2 | - | - | - | - | 2* | 4* | 4* | 2* | 1* | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 8 | 8 | 6 | 2 | - | - | - | - | 2* | 1* | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 2 |
| VK6 = 29 | 5 | 4 | 2 | 1 | - | - | 1 | 2 | 2 | 1 | 1* | 1 | 1 | 1 | 1 | - | - | 1 | 5 | 7 | 6 | 2 | 1 | 2 |
| VK3 = 30 | 4 | 2 | 2 | 1 | 1 | 1* | 1 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | 4 | 5 | 5 | 2 | 1 | 4 | 8 | 6 |
| KH6 = 31 | 1 | 5 | 8 | 9 | 9 | 9 | 5 | 2 | 9 | 8 | 7 | 4 | - | - | - | 1* | 3* | 4* | 5* | 4* | 1* | - | - | 1 |
| KH8 = 32 | 1 | 3 | 6 | 8 | 9 | 9 | 6 | 5 | 9 | 8 | 5 | 2 | - | - | - | - | 5* | 5* | 7* | 7 | 6* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 6 | 1 | 2 | 9+ | 9 | 8 | 8 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 6 | 3 | 9 | 8 | 5 | 3 | 1 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | - | 1 | 2 | 9 | 9 | 6 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | 1 | - | 1* | - | 4 | 9 | 9 | 7 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 |
| FR = 39 | 1 | - | 1* | - | 1 | 1 | 8 | 6 | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 |
| FJL = 40 | 9 | 7 | 6 | 8 | 9 | 6 | 7 | 8 | 7 | 4 | 2 | 1 | 1 | - | 1 | 4 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Aug., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 8 | 8 | 8 | 8 | 6 | 4 | 1* | 6* | 5* | 2* | 1* | - | - | - | 1 | 3 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 9 | 1 | - | 1 | 8 | 9 | 8 | 8 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 5 | - | 4* | 5 | 2 | 1* | 1* | 1 | 2 | 4 | 4 | 6 | 9 | 5 | 6 | 7 | 8 | 8 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 9 | 9 | 6 | - | 1* | 4 | 5 | - | 6 | 7 | 5 | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9+ | 9+ | 9 | 9 | 8 | 4 | - | - | 8 | 4 | 7 | 8 | 7 | 7 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9 | 9 | 8 | - | 4* | 4 | 8 | 1* | 4 | 8 | 4 | 2 | 6 | 6 | 6 | 5 | 6 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9 | 9 | 8 | 6 | 1* | 3* | 3* | 7 | 1* | 8 | 7 | 6 | 6 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | 9 | 9+ | 9 | 9 | 8 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9 | 8 | 2 | 1* | 2* | 2* | 7 | 9 | 9 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 9 | 2 | 2* | 6 | 1* | 7 | 7 | 8 | 7 | 7 | 5 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 8 | 5 | 9+ | 9+ | 8 | 6 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | 4 | 9 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 7 | 1 | - | - | - | - | 9+ | 9 | 9 | 8 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9 | 8 | 2 | - | - | 9 | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9 | 9 | 7 | - | - | - | 9 | 8 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 9 | 7 | 8 | 3 | - | 5 | 8 | 7 | 5 | 7 | 6 | 6 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 8 | 8 | 9 | 9 | 2 | - | 7 | 5 | 3 | 2 | 4 | 4 | 2 | 4 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA9 = 18 | 1 | 6 | 8 | 7 | - | - | 1 | 6 | 6 | 8 | 5 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | 1 |
| UA0 = 19 | 8 | 8 | 8 | 6 | 2 | - | 3 | 7 | 5 | 7* | 8 | 4 | 4 | 4 | 5 | 6 | 7 | 6 | 4* | 5* | 5* | 4* | 6 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 6 | 2* | - | 8 | 9 | 8 | 6 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 8 | 3 | 1 | 8 | 8 | 7 | 5 | 4 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 9 | 5 | 3 | 6 | 3 | 2 | 1 | 1 | 4 | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 6 | 8 | 9 | 7 | - | - | 2 | 6 | 8 | 8 | 3* | 4 | 4 | 4 | 5 | 8 | 9 | 9 | 9 | 8 | 4 | 2* | 1* | 1 |
| VR2 = 24 | 9 | 8 | 8 | 6 | 1 | 1* | 2 | 2 | 8 | 6 | 5* | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| JA1 = 25 | 8 | 8 | 6 | 5 | 1* | 1* | 1 | 5 | 5 | 8* | 6* | 4 | 4 | 5 | 6 | 7 | 8 | 8 | 8 | 6 | 6 | 9 | 9 | 9 |
| HS = 26 | 8 | 9 | 8 | 7 | - | - | 3 | 4 | 3 | 8 | 2 | 2 | 3 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 8 | 8 | 8 | 5 | - | 2* | 2 | 2 | 7 | 7 | 6* | 4* | 3 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 |
| YB = 28 | 6 | 4 | 1 | 1* | - | - | 1 | 3 | 8 | 7 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 4 | 1* | 1* |
| VK6 = 29 | 1* | 1* | 1* | 1* | 1* | - | - | 6 | 6 | 7 | 8 | 4 | 5 | 2 | - | - | - | 1* | 1* | - | - | - | 2* | 1* |
| VK3 = 30 | 1* | - | 1* | 1* | 1* | 1* | - | 2 | 8 | 7 | 4* | 2* | 1* | - | - | - | - | 1 | - | - | 3* | 3* | 4 | 2 |
| KH6 = 31 | 7 | 8 | 9 | 8 | 8 | 6 | - | 3* | 3* | 9 | 8 | 7 | 5 | 2 | 3* | 4* | 4 | 7 | 7 | 8 | 6* | 5 | 3 | 6 |
| KH8 = 32 | 5 | 7 | 8 | 8 | 8 | 6 | 2* | 2* | 5 | 4 | 3* | 2* | 1* | 2* | 3* | 5* | 5* | 3 | 7* | 8* | 7* | 5* | 4 | 5 |
| CN = 33 | 8 | 7 | 6 | 6 | - | - | - | - | 9+ | 9 | 9 | 8 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| SU = 34 | 9+ | 9+ | 9 | 6 | 2* | - | 7 | 9 | 8 | 7 | 5 | 5 | 5 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 1* | 2* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 6 | 1* | 3* | 3* | 1* | 7 | 9+ | 9 | 8 | 6 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | - | - | 9 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 1 | - | - |
| FR = 39 | - | - | 1* | 2* | 2* | - | 6 | 8 | 7 | 5 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | - | - |
| FJL = 40 | - | - | - | - | 7 | 2 | 4 | 9 | 8 | 8 | 8 | 7 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Aug., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | 2 | 1 | 6 | 2 | - | - | 6* | 3* | 1* | - | - | - | - | - | - | - | 1 | 5* | 4* | 3 | 5 | 5 |
| VO2 = 02 | 9 | 9 | 8 | 7 | 6 | - | - | - | - | 7 | 5 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 5 | 5 | - | - | 2* | 3* | 2* | 1* | - | - | - | 4 | 5 | 5 | 6 | 6 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | 1 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 6 | 4 | 4 | - | - | - | 5 | - | 1 | 7 | 8 | 7 | 7 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 8 | 7 | 2 | - | 6* | 2* | 6 | 1* | - | 6 | 7 | 6 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 7 | 6 | 5 | 1 | - | 4* | 2* | 3 | - | 1 | 7 | 7 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 6 | 5 | 4 | 1 | 1 | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| P4 = 09 | 8 | 8 | 7 | 4 | 1 | - | - | 1* | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 9 | 9+ | 9+ | 9 | 8 | 5 | - | 3* | 2* | 1* | - | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9 | 6 | 9+ | 9+ | 9+ | 9 | 4 | 1 | 2 | 1 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9 | 7 | 6 | 1 | - | - | - | - | - | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9 | 4 | 1 | - | - | - | - | - | - | 8 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 7 | 6 | 4 | 4 | - | - | - | - | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| I = 15 | 5 | 5 | 3 | 2 | - | - | - | 1 | 9 | 9 | 9 | 8 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| UA3 = 16 | 1 | 4 | 1 | 6 | - | - | 1 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 4 |
| UN = 17 | 2 | 6 | 8 | 7 | - | - | 5 | 8 | 6 | 6 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 |
| UA9 = 18 | 1* | 1* | 4 | 2 | - | - | - | 7 | 8 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 8 | 7 | 2 | - | 1* | 2* |
| UA0 = 19 | 4 | 6 | 7 | 5 | - | - | 1 | 7 | 5 | 8* | 6 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | 3* | 5* | 2* | 2 |
| 4X = 20 | 9+ | 9 | 6 | 2 | 1* | - | 1 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 5 | 5 | 2* | - | 6 | 9 | 9 | 8 | 7 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 9 | 8 | 1 | 1 | 7 | 7 | 6 | 5 | 6 | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 7 |
| JT = 23 | 2* | 5 | 8 | 4 | - | - | 1 | 7 | 6 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 8 | 7 | 5 | 1 | - | 1* | 2* | 2* |
| VR2 = 24 | 8 | 9 | 8 | 5 | 1* | 1* | 4 | 4 | 4 | 6* | 6* | 5* | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 7 |
| JA1 = 25 | 8 | 7 | 5 | 1 | - | - | - | 7 | 5 | 8* | 7* | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 1 | - | 2* | 4 | 8 | 8 |
| HS = 26 | 6 | 9 | 8 | 2 | 1* | 1* | 3 | 6 | 3 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 |
| DU = 27 | 9 | 8 | 7 | 3 | 2* | 2* | 4 | 5 | 4 | 7* | 7* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | 8 |
| YB = 28 | 2* | 2* | 2* | 1* | - | - | - | 5 | 5 | 6* | 5* | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 2 | 1 | - | 1* | 2* |
| VK6 = 29 | 1* | 1* | 1* | - | - | - | - | 1 | 6 | 6 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 1* | 1* | 1* | 1* | 1* | - | - | - | 8 | 5* | 2* | - | - | - | - | - | - | - | - | - | - | 5* | 3* | 2* |
| KH6 = 31 | 6 | 7 | 8 | 5 | 5 | - | - | 5* | 5* | 8 | 8 | 6 | 3* | 3* | 3* | 3* | 5 | 6 | 6 | 7* | 6 | 6 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 5 | 4 | 4 | - | 1* | 4* | 4* | 4* | 5* | 3* | 4* | 4* | 4* | 5* | 1* | - | 7 | 8* | 8* | 6 | 6 | 6 |
| CN = 33 | 1 | - | - | 1 | - | - | - | - | 7 | 9+ | 7 | 9 | 3 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2 |
| SU = 34 | 9+ | 8 | 6 | 1 | 1* | - | 1 | 9+ | 9 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9 | 9 | 8 | 9 | 5 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| D2 = 36 | 9+ | 9 | 6 | 2 | - | 1* | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 4 | - | - | 3* | 3* | 1* | 1 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | - | - | - | - |
| FR = 39 | - | - | 2* | 2* | 1* | - | 1 | 8 | 8 | 7 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 8 | 7 | 2 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | 4 | - | 1 | 1 | 6 | 5 | 6 | 6 | 5 | 5 | 5 | 4 | 5 | 7 | 7 | 8 | 7 | 4 | 1* | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Aug., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 2 | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - |
| VO2 = 02 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 8 |
| W6 = 03 | 6 | 5 | 4 | - | - | - | - | - | 1* | - | 1* | - | - | - | 2 | 4 | 5 | 4 | 5 | 5 | 6 | 7 | 8 | 8 |
| W9 = 04 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 2 | 5 | 5 | 5 | 5 | 7 | 8 | 8 | 7 |
| W3 = 05 | 6 | 5 | - | - | - | - | - | - | 1 | - | - | 1 | 3 | 3 | 4 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 |
| XE1 = 06 | 5 | 5 | 4 | 1 | 1 | - | - | 2* | - | 1 | - | - | - | 2 | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 7 |
| TI = 07 | 8 | 8 | 1 | - | - | - | - | 1* | - | - | - | - | - | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 6 | 1 | 1 | 4 | 7 | 9 | 9+ | 9 | 9 | 7 | 1 |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 6 | 8 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 8 | 3 |
| HC = 10 | 8 | 8 | 7 | 5 | 3 | 1 | - | 4* | 1* | - | - | 3 | 6 | 5 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 2 | 9+ | 9 | 8 | 9 | 6 | 1* | - | - | 9+ | 5 | 9+ | 9+ | 8 | 6 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 6 |
| CE = 12 | 9+ | 9 | 3 | - | - | - | - | - | - | - | - | 5 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 2 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 5 | 7 | 4 | 4 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 |
| I = 15 | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 2 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 8 | 5 | 1 | - |
| UA3 = 16 | - | - | - | 2 | - | - | - | - | 7 | 6 | 6 | 6 | 5 | 3 | 4 | 4 | 5 | 7 | 8 | 8 | 6 | 2 | - | - |
| UN = 17 | 2* | 2* | 5 | 1 | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - |
| UA9 = 18 | 1* | - | - | - | - | - | - | 1 | 6 | 5 | 5 | 4 | 4 | 3 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | 1* |
| UA0 = 19 | - | 1 | 2 | 2 | - | - | - | - | 4 | 7* | 6* | 4* | 2 | 2 | 1 | - | - | - | - | - | - | 5* | 2* | 2* |
| 4X = 20 | 5 | 2 | 1 | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| HZ = 21 | 8 | 7 | 3* | 1 | 1* | - | 1 | 8 | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | 4 | 5 | 7 | 4 | 1* | - | 5 | 8 | 7 | 5 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 4 | 2 | 4 | 4 | 2 | 1 |
| JT = 23 | 2* | - | 2 | - | - | - | - | 5 | 3 | 4* | 5* | 3* | 2 | 3 | 4 | 4 | 2 | 1 | - | - | - | - | 3* | 2* |
| VR2 = 24 | 7 | 8 | 6 | 2* | 1* | - | 1 | 6 | 5 | 5* | 7* | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | 3* | 4* |
| JA1 = 25 | 5 | 4 | 1 | - | - | - | - | 5 | 2 | 6* | 8* | 6* | 5 | 4 | 2 | 1 | - | - | - | - | - | 4* | 4* | 5* |
| HS = 26 | 5* | 8 | 4* | 3* | 1* | - | 1 | 7 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | 3* | |
| DU = 27 | 8 | 7 | 4 | 3* | 2* | 1* | 1 | 7 | 6 | 6 | 8* | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 1 | 4* | 6 |
| YB = 28 | 2* | 2* | 1* | - | - | - | - | 3 | 5 | 7 | 6 | 6 | 7 | 7 | 6 | 5 | 5* | 3 | 1 | - | - | - | - | 2* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 7 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | 1* | - | - | - | - | - | - | - | 4 | 2* | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* | 1* |
| KH6 = 31 | 3 | 4 | 3 | - | - | - | - | - | 6* | 7 | 5 | 4 | 3* | 2* | 2* | 1* | 4 | 6 | 6 | 6 | 6 | 7 | 6 | 4 |
| KH8 = 32 | 6 | 4 | 1* | - | - | - | - | 5* | 6* | 6* | 5* | 5* | 5* | 4* | 2* | 1* | - | - | 7 | 8 | 8 | 8 | 6 | 6 |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1* | - | 9 | 9 | 9 | 9 | 3 | 5 | 7 | 8 | 8 | 7 | 2 | - | - |
| SU = 34 | 4 | 2 | 1 | - | - | - | - | 9 | 9 | 5 | 8 | 8 | 8 | 5 | 5 | 6 | 7 | 9 | 9+ | 9 | 9 | 9 | 7 | 5 |
| 6W = 35 | 3 | 3 | 2 | 5 | - | - | - | - | 2 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 4 |
| D2 = 36 | 7 | 1 | - | - | - | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | 3* | 2* | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 6 | 5 | 5 | 7 | 8 | 8 | 7 | 5 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Aug., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - |
| VO2 = 02 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 7 | 7 | 7 | 6 |
| W6 = 03 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2* | 3 | 4 | 3 | 5 | 5 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 2 | 4 | 6 | 2 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 4 |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 5 | 3 | 6 | 7 | 8 | 8 | 6 | 2 |
| TI = 07 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 5 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 1* | 2* | 2 | 4 | 6 | 5 | 1 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | - | 1* | 2* | 2 | 4 | 6 | 6 | 1 | - |
| HC = 10 | 4 | 4 | 2 | - | - | - | - | 1* | - | - | - | - | 1 | 1 | - | 1* | 1 | 4 | 7 | 9 | 9 | 9 | 7 | 5 |
| PY1 = 11 | 9+ | 9 | 6 | 2 | 6 | 1 | - | - | - | 7 | - | 2 | 4 | 2 | 9+ | 9+ | 9+ | 9+ | 3* | 4* | 5 | 4 | 9+ | 9+ |
| CE = 12 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| LU = 13 | 5 | - | - | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 7 |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 4 | 6 | 8 | 8 | 6 | 2 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | 1 | 2 | 4 | 5 | 5 | 2 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 1 | 1 | - | - | - | 1 | 2 | 4 | 3 | - | - | - | - |
| UN = 17 | - | - | 1 | - | - | - | - | 5 | 6 | 6 | 7 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 2 | 1 | 1 | 1* | - | - | - | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | 3* | 6* | 4* | 1* | - | - | - | - | - | - | - | - | 3* | 1* | - |
| 4X = 20 | - | - | - | - | - | - | - | 1 | - | - | 5 | 5 | 1 | - | - | 1 | 1 | 2 | 5 | 7 | 7 | 5 | 2 | - |
| HZ = 21 | 4 | 4 | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 |
| VU = 22 | 1 | 4* | 4 | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 4 | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 5* | 2* | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5 | 6 | 2 | 2* | - | - | - | 6 | 7 | 6 | 7* | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 5 | 4 | 1 | - | 1* | 4* |
| JA1 = 25 | - | - | - | - | - | - | - | 1 | - | 2* | 8* | 4* | 1* | - | - | - | - | - | - | - | - | - | 3* | 2* |
| HS = 26 | 5* | 6 | 3* | 1* | - | - | - | 5 | 6 | 7 | 7 | 7 | 8 | 8 | 7 | 6 | 5 | 6 | 6 | 5 | 4 | 1 | - | 2* |
| DU = 27 | 8 | 5* | 3* | 1* | 1* | - | - | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 7 | 6 | 7 | 7 | 7 | 6 | 2 | - | 3* | 6* |
| YB = 28 | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 8 | 6 | 4* | 4* | 1* | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 2 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 3* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 5* | 6* | 5* | 4* | 4* | 2* | 2* | - | 1 | 4 | 5 | 5 | 5 | 6 | 5 | 1 |
| KH8 = 32 | 3 | 1* | - | - | - | - | - | 2* | 7* | 6* | 5* | 5* | 5* | 1* | - | - | - | - | 1 | 8 | 8 | 7 | 7 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | - | 1 | 2 | 5 | 4 | 2* | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 1 | - | - | 3 | 3 | - | - | - | - | 1* | 1 | 3 | 6 | 5 | 3 | 1 | - |
| 6W = 35 | - | - | - | 1 | - | - | - | - | - | 7 | 5 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 5 | - | - |
| D2 = 36 | 1 | - | - | - | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| 5Z = 37 | - | - | - | 1* | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 2 | 4 | 3 | 1 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 7 | 6 | 5 | 5 | 5 | 5 | 6 | 5 | 2 | 2 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Sep., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W6 = 03 | - | - | - | - | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 4 | 5 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | - | 2 | 3 | 5 | 5 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 2 | 4 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 4 | 4 | 4 | 4 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| P4 = 09 | 4 | 4 | 3 | 4 | 4 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 |
| CE = 12 | 4 | 2 | 3 | 4 | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| LU = 13 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| G = 14 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 4 |
| I = 15 | 4 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 3 |
| HZ = 21 | 5 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 | 5 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 2 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 |
| SU = 34 | 3 | 2 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 |
| FR = 39 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Sep., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 |
| W6 = 03 | - | - | 1 | 3 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 |
| XE1 = 06 | 1 | 5 | 6 | 8 | 8 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 5 | 7 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 8 | 7 | 7 | 7 | 7 | 6 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| P4 = 09 | 7 | 7 | 6 | 7 | 7 | 6 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| HC = 10 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9+ |
| CE = 12 | 7 | 5 | 6 | 7 | 6 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| LU = 13 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| G = 14 | 8 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 6 | 7 |
| I = 15 | 7 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| UN = 17 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | - |
| 4X = 20 | 5 | 5 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 6 |
| HZ = 21 | 8 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 8 | 8 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 8 | 7 | 5 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 3 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 1 | - |
| VK3 = 30 | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 |
| SU = 34 | 6 | 5 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 6 | 6 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Sep., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | 4 | 5 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| W6 = 03 | 2 | 5 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 |
| XE1 = 06 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 7 | 9 | 8 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 6 | 6 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 2 | 1 |
| 4X = 20 | 8 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 5 | 5 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 6 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 1 | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 8 | 6 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 5 | 5 | 4 | 1 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 7 | 7 |
| VK6 = 29 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 7 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 5 | 1 | - |
| KH6 = 31 | - | - | - | 1 | 6 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 2 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 8 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2 | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Sep., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | 1 | - | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 6 | 6 | 6 | 8 | 8 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 4 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 8 | 8 | 7 |
| VR2 = 24 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 | 5 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 7 | 3 | 1 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 6 | 6 | 6 | 6 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 5 | 1 |
| KH6 = 31 | - | - | 1 | 6 | 7 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 2 | 6 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 8 | 8 | 7 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Sep., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 3* | 2* | 1 | - | - | - | - | - | 2 | 5 | 8 | 6 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 5 | 2 | 2 | 1 | 2 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 |
| W9 = 04 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 6 | 6 | 5 | 2 | 1 | - | - | - | 1 | 2 | 5 | 6 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 8 | 8 | 5 | 2 | 1 | - | 1 | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 4 | 5 | 3 | 1 | - | - | - | 1 | 1 | 2 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 6 | 8 | 6 | 3 | 1 | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 4 | 8 | 9+ | 9 | 7 | 5 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 4 | 8 | 9 | 9 | 7 | 4 | 4 | 2 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 7 | 2 | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 | 8 | 5 | 2 | 1 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 8 | 9 | 8 | 6 | 2 | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 8 | 9 | 8 | 6 | 2 | 2 | 1 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 8 | 9 | 6 | 8 | 7 | 4 | 2 | - | 1 | 1 | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | 1 | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 6 | 8 | 8 | 8 | 6 | 3 | 4 | 2 | - | - | 1 | - | - | - | 1 | 2 | 7 | 7 | 9 | 9 | 9 | 9 | 8 | 6 |
| UA0 = 19 | 8 | 6 | 4 | 2 | 2 | 1 | 4 | 4 | 8 | 3* | 1* | - | - | - | - | 1 | 6 | 7 | 8 | 7 | 7 | 8 | 9 | 9 |
| 4X = 20 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 1 | 1 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 1 | - | 1 | 1 | 2 | 3 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 6 | 5 | 1 | - | 1 | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 8 | 5 | 4 | 2 | 1 | 1 | 1* | 1* | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 7 |
| VR2 = 24 | 8 | 8 | 5 | 2 | - | - | - | 1* | 2* | 2* | 1* | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 5 | 4 | 2 | 1 | - | 1* | 4* | 5* | 8 | 5* | 2* | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 8 |
| HS = 26 | 9 | 9 | 8 | 5 | 1 | - | - | - | 1 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 4 | 1 | - | - | 1* | 2* | 4* | 4* | 2* | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 8 | 7 | 4 | 1 | - | - | - | 2* | 1* | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 6 | 4 | 1 | - | 1 | 1 | 1 | 2* | 1* | - | - | 1 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 5 | 2 | 5 |
| VK3 = 30 | 7 | 5 | 3 | 1 | 2 | 1 | 4 | 6 | 6 | 3 | 1 | - | - | - | - | - | 4 | 5 | 4 | 4 | 7 | 8 | 8 | 8 |
| KH6 = 31 | 2 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 9 | 8 | 6 | 4 | - | - | - | 1* | 2* | 4* | 5* | 5* | 2* | - | - | 1 |
| KH8 = 32 | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | 2* | 5* | 6* | 7 | 6* | 6* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 6 | 9+ | 9 | 8 | 7 | 5 | 3 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 8 | 6 | 2 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 7 | 2 | 2 | 2 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 8 | 7 | 5 | 1 | 1* | 3 | 9 | 9+ | 8 | 7 | 5 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 7 | 3 | 2 | 7 | 8 | 8 | 6 | 5 | 4 | 1 | 1 | 1 | 1 | 5 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 6 | 4 | 1 | 1* | 2 | 8 | 8 | 8 | 7 | 5 | 4 | 2 | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Sep., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 9 | 8 | 8 | 8 | 1 | 5 | 6* | 3* | 1* | - | - | - | - | - | 1 | 4 | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 6 | 5 | 7 | 9 | 8 | 7 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 4 | 6 | 3 | 1* | - | 1 | 3 | 1 | 1 | 4 | 8 | 4 | 4 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 9 | 9 | 9 | 4 | 5 | 5 | 3 | - | 7 | 6 | 5 | 5 | 5 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 5 | 7 | 1 | 8 | 8 | 7 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 4 | 3 | 9 | 7 | 1* | 1 | 6 | 4 | 5 | 5 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9 | 9 | 8 | 3 | 3* | 6 | 2 | - | 8 | 7 | 5 | 3 | 5 | 6 | 5 | 7 | 8 | 9 | 9 | 9+ | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2* | 1* | 2 | 9+ | 9+ | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2* | 1* | 2 | 2 | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 5 | 6 | 1* | 9 | 8 | 7 | 5 | 5 | 5 | 7 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 1* | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 5 | 5 | 9+ | 9 | 8 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 6 | 9+ | 9+ | 9 | 9 | 8 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 8 | 8 | 7 | 3 | - | 2 | 9+ | 9 | 8 | 7 | 5 | 5 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| I = 15 | 9+ | 9+ | 9+ | 7 | 4 | 1* | 3 | 9+ | 9 | 9 | 7 | 7 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 8 | 7 | 2* | 7 | 1 | 6 | 9 | 8 | 6 | 7 | 6 | 6 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| UN = 17 | 7 | 7 | 9 | 9 | 8 | 5 | 6 | 5 | 3 | 2 | 4 | 2 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| UA9 = 18 | - | - | 7 | 9 | 5 | 1* | 5 | 7 | 6 | 7 | 4 | 2 | 2 | 2 | 4 | 8 | 8 | 9 | 9 | 7 | 3 | 2 | 1* | - |
| UA0 = 19 | 9 | 9 | 8 | 8 | 5 | 1 | 5 | 5 | 8* | 6* | 5 | 2* | 1 | 1 | 2 | 2 | 2* | 2* | 2* | 3* | 4* | 4 | 7 | 8 |
| 4X = 20 | 9+ | 9+ | 9+ | 7 | 6 | 2 | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 8 | 8 | 6 | 8 | 8 | 6 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 8 | 9 | 9 | 8 | 6 | 5 | 4 | 2 | 1 | 2 | 2 | 3 | 4 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| JT = 23 | 1 | 8 | 9 | 8 | 4 | 1 | 5 | 6 | 7 | 7 | 4 | 3 | 3 | 4 | 5 | 8 | 8 | 8 | 5 | 2 | 2 | 1 | 1 | - |
| VR2 = 24 | 9 | 8 | 8 | 6 | 3 | 1 | 1 | 2* | 6 | 6 | 4* | 2* | 1 | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 8 |
| JA1 = 25 | 8 | 6 | 5 | 5 | 3* | 3* | 5 | 5* | 8* | 7* | 6* | 4* | 1 | 1 | 3 | 5 | 6 | 6 | 5 | 2 | 6 | 8 | 9 | 9 |
| HS = 26 | 8 | 9 | 9 | 8 | 5 | 2 | 4 | 4 | 2* | 8 | 2 | 2 | 3 | 5 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 9+ | 8 | 7 |
| DU = 27 | 8 | 8 | 8 | 4 | 1 | 1* | 3* | 2 | 6 | 7* | 5* | 4* | 1 | 3 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 9 |
| YB = 28 | 9 | 9 | 7 | 4 | 1 | 1 | 3 | 3 | 8 | 7 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 1 | 7 |
| VK6 = 29 | 5 | 6 | 1 | 2 | - | - | 3 | 6 | 7 | 7 | 3* | 4 | 4 | 4 | - | - | 2* | 2* | 2* | - | - | 2* | 1* | 1* |
| VK3 = 30 | 7 | 5 | 3 | 1 | 1* | 1* | 1 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | 2* | - | - | 1* | 3* | 6 | 8 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 8 | 3 | 3* | 8 | 9 | 8 | 6 | 2 | 1* | 1* | 3* | 4 | 7 | 7 | 8 | 6* | 5* | 3 | 5 |
| KH8 = 32 | 4 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 6 | 4 | 1 | 1* | 5* | 6* | 5 | 8* | 8* | 7* | 5* | 2 | 3 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 6 | 2 | 9 | 9 | 9 | 8 | 6 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | 3 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 3 | 3 | 2 | 9 | 9+ | 9 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | - | - | 1* | 2* | 1* | 5 | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| FR = 39 | 1 | 1* | 1* | 2* | 5 | 5 | 8 | 8 | 7 | 6 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| FJL = 40 | 1* | 1* | 1* | - | - | 5 | 7 | 7 | 8 | 7 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 3 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Sep., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 5 | 6 | 6 | 5 | 3 | - | 1 | 3* | - | - | - | - | - | - | - | - | - | - | - | 5* | 5* | 6 | 7 | 4 |
| VO2 = 02 | 8 | 8 | 7 | 7 | 6 | 4 | - | 1 | - | - | 8 | 8 | 7 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 8 | 8 | 5 | 4 | 1* | 1* | 1 | - | 1* | - | - | - | 5 | 5 | 4 | 6 | 7 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 8 | 6 | 5 | 6 | 1* | 1 | - | - | - | 2 | 8 | 7 | 6 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | 1 | - | 4 | 9 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 6 | 1* | 3* | 6 | 4 | - | - | 8 | 7 | 6 | 8 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 8 | 8 | 5 | 1* | 4* | 3* | 1* | - | 5 | 8 | 7 | 7 | 9 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9 | 8 | 6 | 1 | 1* | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 8 | 6 | 1 | 2* | 1* | - | - | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 8 | 9 | 8 | 3 | 4* | 5* | 2* | 4 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 8 | 2 | 9+ | 9+ | 9 | 8 | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 8 | 6 | 3* | 1 | - | 5 | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 4 | 3 | 3 | 1 | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9+ | 9 | 7 | 5 |
| I = 15 | 9 | 9 | 7 | 1 | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 5 | 2 | - | 1* | 2 | - | 2 | 9 | 8 | 7 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 1 |
| UN = 17 | 2 | 3 | 8 | 9 | 6 | 1 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 4 | 4 |
| UA9 = 18 | 1* | 1* | 1* | 7 | 1 | - | 3 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 7 | 3 | - | - | - | 1* | 1* |
| UA0 = 19 | 8 | 8 | 8 | 7 | 2 | - | 2 | 8 | 7* | 7 | 6 | 6 | 5 | 3 | 1* | 1* | - | - | - | - | 4* | 5* | 2 | 6 |
| 4X = 20 | 9+ | 9+ | 8 | 4* | 2* | 2* | 6 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 6 | 4 | 5 | 2 | 6 | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 5 | 6 | 9 | 9 | 6 | 4 | 7 | 7 | 5 | 5 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| JT = 23 | 1* | 4 | 9 | 8 | 1 | 1* | 4 | 6 | 5 | 4 | 5 | 5 | 5 | 6 | 7 | 7 | 5 | 1 | - | - | - | 1* | 1* | 1* |
| VR2 = 24 | 8 | 8 | 8 | 7 | 3 | 2* | 4 | 5 | 3* | 7* | 6* | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2* | 3 |
| JA1 = 25 | 8 | 7 | 7 | 5 | 1 | 1* | 2 | 5 | 7* | 8* | 7* | 5 | 5 | 3 | 3* | 4* | 4* | 1 | - | - | 5* | 5 | 8 | 9 |
| HS = 26 | 6 | 9 | 9 | 7 | 3 | 1 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 2 | 2 |
| DU = 27 | 9 | 9 | 8 | 6 | 3* | 3* | 4 | 4 | 4 | 8* | 6* | 5* | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 3 | 3* | 8 |
| YB = 28 | 8 | 7 | 3* | 2 | 1* | - | 2 | 5 | 5 | 6* | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | 2* | 2 |
| VK6 = 29 | 2* | 2* | 1* | 1* | 1* | - | 2 | 7 | 6 | 5 | 5 | 5 | 4 | 1* | 1* | 1* | 1* | 1* | - | - | - | - | 2* | 2* |
| VK3 = 30 | 6 | 3 | 2* | 2* | 2* | 1* | - | 5 | 7 | 5 | 4* | 4* | 2* | 1* | 1* | 1* | - | - | - | - | 4* | 4* | 5 | 7 |
| KH6 = 31 | 8 | 8 | 9 | 8 | 8 | 5 | 1* | 3* | 5* | 8 | 6 | 5 | 4* | 3* | 4* | 2* | 5 | 5 | 6* | 8* | 7 | 6 | 6 | 7 |
| KH8 = 32 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 8 | 9 | 8 | 5 | 4* | 4* | 5* | 5* | 3* | 5 | 7* | 8* | 8* | 6* | 6* | 7 |
| CN = 33 | 8 | 8 | 7 | 7 | 1 | - | - | - | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| SU = 34 | 9+ | 9+ | 9 | 4* | 2* | 2* | 6 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 7 | 3 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 4 | 3 | 5* | 4* | 2* | 5 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 5* | - | - | 5 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | - |
| FR = 39 | - | - | 3* | 4* | 1 | 1 | 7 | 8 | 8 | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - |
| FJL = 40 | - | 1* | - | - | - | 1 | 2 | - | 4 | 5 | 6 | 6 | 5 | 5 | 5 | 6 | 7 | 8 | 6 | 5 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Sep., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 3* | 4* | 2* | 1* |
| VO2 = 02 | 4 | 2 | 2 | 2 | 1 | - | - | - | - | - | 1 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 7 | 2 | 1 | 1 | 2 | - | - | - | - | - | - | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 6 | 5 | 4 | 5 | 5 | 1 | - | - | - | - | - | 5 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 8 | 8 | 7 | 4 | 6 | 1 | - | 1* | 2 | - | - | - | 3 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| TI = 07 | 9 | 9 | 4 | 1 | 5 | 1 | 1* | 2* | 1* | - | - | - | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 2 | 3 | 1 | - | 1 | - | - | - | - | - | 9 | 9 | 9 | 5 | 5 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9 | 7 | 5 |
| P4 = 09 | 3 | 4 | 2 | - | 1 | - | 1* | - | - | - | 2 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 5 |
| HC = 10 | 9 | 9 | 9 | 8 | 7 | 4 | 1* | 5* | 4* | 1* | - | 9 | 7 | 9 | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| PY1 = 11 | 9 | 6 | 9+ | 9+ | 9+ | 9 | 4 | 1 | 5 | - | 8 | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9+ | 9+ | 9 | 7 | 7 | 4 | 2* | - | - | - | 1 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 6 | 1* | 3 | 1 | 1* | - | - | - | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 6 | 2 | - |
| I = 15 | 6 | 4 | 1 | - | - | - | - | - | 9+ | 9 | 6 | 2 | 2 | 3 | 4 | 6 | 9 | 9 | 9+ | 9 | 8 | 5 | 4 | 7 |
| UA3 = 16 | - | - | - | - | - | - | - | 2 | 8 | 8 | 7 | 7 | 7 | 6 | 6 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - |
| UN = 17 | 2* | 4* | 3 | 8 | 1 | - | 5 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 4 | 2 | 1 | - | - |
| UA9 = 18 | 3* | 2* | 1* | 5 | - | - | 1 | 6 | 8 | 7 | 7 | 7 | 7 | 5 | 4 | 6 | 1 | - | - | - | - | - | - | 2* |
| UA0 = 19 | 5 | 6 | 6 | 5 | - | - | 1 | 7 | 8 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | 5* | 4* | 3* |
| 4X = 20 | 9 | 9 | 3 | 2* | 2* | 1* | 1 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 |
| HZ = 21 | 8 | 6 | 4* | 3* | 2* | 1* | 5 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 |
| VU = 22 | 1 | 2 | 7 | 8 | 4 | 1 | 6 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 2 | - |
| JT = 23 | 3* | 3* | 5 | 5 | - | - | 2 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | 2* | 3* |
| VR2 = 24 | 7 | 9 | 8 | 6 | 2* | 2* | 2 | 5 | 4 | 7* | 7* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | 4* | 4* |
| JA1 = 25 | 8 | 7 | 4 | 3 | - | - | 1 | 7 | 6 | 8* | 8* | 6* | 5* | 4* | 3* | 2* | 1* | - | - | - | 1* | 5* | 5* | 8 |
| HS = 26 | 5* | 8 | 7 | 5 | 2* | 1* | 3 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | 4* |
| DU = 27 | 9 | 8 | 8 | 5 | 3* | 3* | 3 | 6 | 6 | 8* | 8* | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | - | 5* | 5 |
| YB = 28 | 6 | 4* | 2* | 1* | 1* | - | 1 | 5 | 5 | 7* | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 2 | - | - | 2* | 3* |
| VK6 = 29 | 2* | 2* | 2* | 1* | 1* | - | - | 1 | 6 | 7* | 5 | 4* | 2* | 1* | 1* | - | - | - | - | - | - | - | 4* | 3* |
| VK3 = 30 | 2 | 2* | 2* | 2* | 1* | - | - | - | 6* | 5* | 4* | 3* | 1* | - | - | - | - | - | - | - | 1* | 5* | 4* | 4 |
| KH6 = 31 | 6 | 7 | 7 | 2 | 5 | 1 | - | 2* | 6* | 6 | 5* | 5* | 4* | 3* | 3* | 1* | 3 | 7 | 7 | 7 | 7 | 7 | 6 | 5 |
| KH8 = 32 | 7 | 8 | 7 | 4 | 6 | 5 | 2 | 6* | 6* | 7 | 6* | 5* | 5* | 4* | 4* | 2* | - | 4 | 7 | 8* | 7 | 7 | 7 | 7 |
| CN = 33 | 1 | - | - | 1 | - | - | - | - | 4 | 6 | - | - | - | 1 | 2 | 6 | 8 | 9+ | 9+ | 9+ | 8 | 5 | 3 | 1 |
| SU = 34 | 9 | 9 | 5 | 2* | 2* | 1* | 1 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 9 |
| 6W = 35 | 6 | 5 | 4 | 8 | 2 | - | - | - | 9 | 9+ | 9+ | 9 | 9 | 8 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 |
| D2 = 36 | 9+ | 8 | 6 | 8 | 1 | 1* | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 5* | 5* | 2* | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 |
| ZS6 = 38 | - | - | - | - | 2* | - | - | - | 5 | 9 | 9 | 6 | 5 | 6 | 9 | 9 | 9 | 8 | 8 | 5 | 3 | 2 | - | - |
| FR = 39 | - | - | 3* | - | 1* | - | 4 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1* | - | 1 | 4 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Sep., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - |
| VO2 = 02 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 |
| W6 = 03 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 6 | 6 | 7 | 8 | 8 | 8 |
| W9 = 04 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 8 |
| W3 = 05 | 3 | 1 | - | 1 | 1 | - | - | - | - | - | - | - | 4 | 5 | 5 | 4 | 8 | 8 | 6 | 6 | 6 | 8 | 8 | 7 |
| XE1 = 06 | 1 | 2 | 1 | - | 2 | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 4 |
| TI = 07 | 5 | 6 | - | - | 1 | - | - | - | - | - | - | - | 1 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 1* | 1* | 2* | 4 | 6 | 7 | 8 | 8 | 5 | 2* | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 1 | 1* | 2* | 3 | 5 | 7 | 8 | 7 | 6 | 3* | - |
| HC = 10 | 7 | 7 | 5 | 2 | 4 | 1 | - | 2* | 2* | - | - | 4 | 9 | 8 | 9 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 |
| PY1 = 11 | 9+ | 9+ | 9+ | 8 | 9 | 6 | 1* | - | - | 9+ | - | 1 | 1 | 9+ | 9+ | 9+ | 9+ | 6 | 7 | 7 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 5 | 1* | 2 | - | 1* | - | - | - | - | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 8 | 5 | - | 1* | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | - | - |
| I = 15 | 1 | - | - | - | - | - | - | - | 6 | 6 | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 | 2 | - | - | 2 |
| UA3 = 16 | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 4 | 1 | - | - | - | - |
| UN = 17 | - | 4* | 1* | 6 | 1* | - | 2 | 8 | 8 | 8 | 7 | 8 | 7 | 7 | 7 | 5 | 1 | 3 | 1 | 1 | - | - | - | - |
| UA9 = 18 | 2* | 1* | - | 1 | - | - | - | - | 7 | 6 | 6 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 1* | 1 | 2 | - | - | - | - | 5 | 7* | 5 | 2 | - | - | - | - | - | - | - | - | - | 4* | 5* | 5* |
| 4X = 20 | 4 | 1 | - | - | 1* | - | - | 6 | 9 | 9 | 5 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 5 | 5 | 4 | 3 | 4 | 4 |
| HZ = 21 | 2 | 3 | 2* | 2* | 2* | 1* | 1 | 3 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |
| VU = 22 | 1* | 5* | 5 | 7 | 2* | 1* | 4 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 5 | 2 | 2 | - | - | - | - |
| JT = 23 | 5* | 3* | - | 2 | - | - | - | 3 | 5 | 6* | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 4* |
| VR2 = 24 | 5* | 8 | 7 | 5 | 2* | 1* | 1 | 6 | 6 | 6 | 7* | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | 2* | 5* |
| JA1 = 25 | 4 | 3 | - | 1 | - | - | - | 1 | 5 | 7* | 8* | 6* | 4* | 3* | 2* | - | - | - | - | - | - | 5* | 5* | 5 |
| HS = 26 | 5* | 7 | 5* | 4* | 2* | 1* | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | 4* |
| DU = 27 | 8 | 7 | 5 | 4 | 3* | 2* | 2 | 6 | 7 | 7 | 8* | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 1 | - | 5* | 6* |
| YB = 28 | 2 | 1* | - | - | - | - | - | - | 7 | 6 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 7 | 4 | - | - | - | - | 1* |
| VK6 = 29 | 1* | 1* | 1* | - | - | - | - | - | 1 | 5* | 5* | 2* | - | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 3* | 2* | 1* | 2* | 1* | - | - | - | 1 | 5* | 3* | 2* | - | - | - | - | - | - | - | - | - | 5* | 5* | 4* |
| KH6 = 31 | 1 | 2 | 1 | - | 1 | - | - | - | 5* | 7* | 6* | 5* | 4* | 3* | 2* | - | - | 5 | 8 | 8 | 8 | 6 | 4 | 2 |
| KH8 = 32 | 7 | 7 | 2 | 2* | 3 | 1 | - | 5* | 7* | 6* | 6* | 6* | 5* | 2* | - | - | - | 1 | 7 | 8 | 8 | 8 | 7 | 7 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 9 | - | - | 1 | 3 | 5 | 6 | 6 | 3 | - | - | - |
| SU = 34 | 2 | 2 | 1 | - | 1* | - | - | 4 | 9 | 9 | 3 | 1* | - | 1* | 1* | 1 | 1 | 2 | 3 | 4 | 3 | 2 | 3 | 2 |
| 6W = 35 | - | - | - | 5 | - | - | - | - | 1 | 9 | 7 | 3 | 4 | 5 | 4 | 5 | 6 | 7 | 7 | 8 | 7 | 5 | 2 | - |
| D2 = 36 | 7 | 2 | - | 4 | - | 1* | 1 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | 4* | 3* | 1* | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 2* | 1* | 1 | 2 | 2 | 1 | 4 | 1 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 1 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Oct., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | - | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 4 | 5 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 2 | 3 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | - | 1 | 4 | 5 | 5 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| P4 = 09 | 4 | 3 | 3 | 4 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 2 | 3 | 3 | 3 | 4 | 1 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 6 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 |
| CE = 12 | 4 | 2 | 2 | 2 | 3 | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| G = 14 | 4 | 4 | 4 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 |
| UN = 17 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 1 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 4 | 3 |
| HZ = 21 | 4 | - | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 | 5 |
| VU = 22 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| VK3 = 30 | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 2 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 |
| FJL = 40 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Oct., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | 1 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| W6 = 03 | - | 1 | 2 | 5 | 6 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 |
| XE1 = 06 | 1 | 5 | 6 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 4 | 7 | 8 | 8 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| P4 = 09 | 7 | 6 | 6 | 7 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| HC = 10 | 5 | 6 | 6 | 6 | 7 | 4 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ |
| CE = 12 | 7 | 5 | 5 | 5 | 6 | 4 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| LU = 13 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| G = 14 | 7 | 7 | 7 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 6 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 |
| UN = 17 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| UA9 = 18 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | - |
| 4X = 20 | 5 | 5 | 4 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 7 | 6 |
| HZ = 21 | 7 | 3 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 |
| VU = 22 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 4 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 3 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | 1 | - |
| VK3 = 30 | - | - | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 5 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 3 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 7 | 8 | 8 | 8 |
| FJL = 40 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Oct., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 2 | 4 | 5 | 7 | 7 | 7 | 4 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| W6 = 03 | 4 | 6 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 8 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 5 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 5 | 1 |
| 4X = 20 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 | 8 |
| VU = 22 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 7 |
| JT = 23 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 5 | 6 | 6 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 5 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 7 | 2 | - |
| HS = 26 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 6 | 6 | 2 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 8 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 1 | - | - |
| KH6 = 31 | - | - | - | 1 | 6 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 8 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 1 | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Oct., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 3 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| W6 = 03 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| TI = 07 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 6 | 8 | 8 |
| UA0 = 19 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 | 6 | 5 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 6 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 8 | 7 | 7 | 7 |
| JT = 23 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 6 | 8 | 8 | 7 |
| VR2 = 24 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 6 | 7 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 6 | 2 |
| HS = 26 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 6 | 6 | 6 | 5 |
| YB = 28 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 6 | 4 | 1 |
| KH6 = 31 | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 6 | 5 | 7 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Oct., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 2 | 2* | 1 | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 2 | - | 1 | - | - | - | - | - | 1 | 1 | 2 | 5 | 6 | 9 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | 6 | 3 | 1 | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 9 | 5 | 8 | 6 | 3 | 1 | 1 | 1 | 2 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | - | 5 | 3 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 5 | 7 | 7 | 6 | 2 | 1 | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 7 | 9+ | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 9 | 9 | 7 | 6 | 4 | 2 | 2 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 3 | 1 | - | - | 1 | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 3 | 2 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 2 | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 8 | 8 | 9 | 7 | 8 | 8 | 5 | 2 | 1 | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 1 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 4 | 5 | 9 | 8 | 8 | 5 | 4 | 4 | 1 | 1 | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 |
| UA0 = 19 | 7 | 8 | 6 | 5 | 4 | 4 | 5 | 5* | 6 | 3* | 1 | - | - | - | - | 1 | 6 | 7 | 7 | 7 | 5 | 7 | 9 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | 1 | 1 | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 1 | 1 | 1 | 1 | 3 | 4 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 8 | 9 | 8 | 7 | 4 | 2 | 1 | 1 | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 9 | 9 | 6 | 4 | 4 | 2 | 1 | 1 | 1 | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 6 |
| VR2 = 24 | 8 | 8 | 6 | 2 | - | - | - | 1* | 2* | 2* | 1* | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 8 |
| JA1 = 25 | 6 | 5 | 4 | 2 | 2 | 2 | 5* | 6 | 6 | 4* | 2* | - | - | - | - | 1 | 6 | 8 | 9 | 8 | 8 | 9 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 6 | 2 | - | - | - | 1* | 1* | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 6 | 4 | 1 | - | - | 1* | 4* | 4* | 4* | 2* | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 9 | 8 | 4 | 1 | - | - | - | 1* | 1* | 1* | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 6 | 3 | 1 | 1 | - | - | 2* | 1 | 1* | - | - | 1 | 1 | 3 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 6 | 4 | 2 | 1 | 1 | 2 | 3 | 7 | 7 | 2 | 1 | - | - | - | - | 1 | 4 | 4 | 4 | 6 | 8 | 8 | 8 | 7 |
| KH6 = 31 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 6 | 4 | - | - | - | - | 2* | 3* | 6* | 5* | 2* | - | 1 | 1 |
| KH8 = 32 | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 3 | 1 | - | - | - | 4* | 6* | 7 | 6* | 5* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 7 | 9+ | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 3 | 2 | 2 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 8 | 7 | 2 | 3 | 8 | 9+ | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 9 | 9 | 8 | 6 | 5 | 3 | 1 | 1 | 1 | 1 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| FJL = 40 | 6 | 4 | 1 | 1* | 1* | 1* | 9 | 9 | 7 | 5 | 2 | 1 | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Oct., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 8 | 6 | 1* | 5 | 3* | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 9 | 8 | 9 | 9 | 9 | 8 | 3 | 3 | 2 | 9 | 9 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 4 | - | - | - | 3 | 2 | 1 | 4 | 7 | 4 | 5 | 6 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 4 | 1 | - | 7 | 6 | 5 | 3 | 2 | 6 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 6 | 6 | - | 8 | 8 | 7 | 5 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | 6 | 3 | 2 | 2 | 5 | 3 | 5 | 7 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 2* | 2 | - | 8 | 7 | 5 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 2 | 1 | 9+ | 9+ | 9 | 9 | 7 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 3 | - | 2 | 9 | 9 | 9 | 7 | 6 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 1* | 8 | 9 | 8 | 6 | 5 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 7 | 8 | 8 | 3 | 1 | 4 | 9 | 9 | 9 | 8 | 7 | 4 | 4 | 7 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| I = 15 | 9+ | 9+ | 9+ | 8 | 1 | 5* | 5 | 9+ | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 8 | 2 | 2* | 2 | 3 | 7 | 9 | 9 | 7 | 7 | 4 | 4 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 9 |
| UN = 17 | 7 | 7 | 9 | 9 | 8 | 6 | 8 | 6 | 4 | 4 | 5 | 3 | 3 | 3 | 5 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | - | - | 4 | 9 | 7 | 1 | 6 | 7 | 6 | 5 | 5 | 2 | 2 | 3 | 4 | 8 | 8 | 8 | 6 | 4 | 3 | 4 | 1 | - |
| UA0 = 19 | 8 | 8 | 8 | 5 | 7 | 4* | 6 | 6 | 7* | 6* | 5 | 2* | 1 | 1 | - | - | 1* | 1 | - | 2* | 3* | 2* | 6 | 9 |
| 4X = 20 | 9+ | 9+ | 9+ | 7 | 7 | 4 | 9 | 9 | 8 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 7 | 9 | 7 | 8 | 8 | 7 | 5 | 5 | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 6 | 5 | 9 | 9 | 8 | 7 | 5 | 4 | 2 | 4 | 2 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| JT = 23 | 1 | 9 | 9 | 8 | 6 | 2 | 6 | 6 | 5 | 6 | 5 | 4 | 4 | 3 | 5 | 7 | 5 | 2 | 1 | 1 | 2 | 1 | 1* | - |
| VR2 = 24 | 9 | 9 | 8 | 6 | 5 | 2 | 2 | 4* | 6 | 7 | 5* | 4* | 1 | 1 | 4 | 7 | 8 | 9 | 9 | 9+ | 9 | 8 | 1 | 4 |
| JA1 = 25 | 8 | 7 | 7 | 5 | 4 | 5* | 7* | 7* | 8* | 7* | 5 | 2 | 1 | 1 | 1 | 1* | 3* | 4 | 5 | 1 | 3* | 6 | 9 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 2 | 4 | 8 | 3* | 2 | 4 | 3 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 |
| DU = 27 | 9 | 8 | 8 | 6 | 2 | 2 | 4* | 8 | 7* | 7 | 5* | 3* | 2 | 1 | 4 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 5 | 9 |
| YB = 28 | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 2 | 8 | 8 | 3* | 3* | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 8 | 8 | 6 | 5 | 2 | 3 | 5 | 6 | 8 | 8 | 4 | 4 | 4 | 4 | 2 | - | 3* | 4* | 4* | 3* | 2* | 2* | 1* | 4 |
| VK3 = 30 | 8 | 7 | 6 | 5 | 3 | 2 | 6 | 7 | 6 | 5 | 5 | 3 | 1 | - | - | 1* | 4* | 4* | 5* | 6* | 5 | 8 | 8 | 8 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 7 | 9 | 8 | 6 | 5 | - | - | 1* | 3* | 4 | 6 | 7* | 8* | 6* | 5 | 4 | 6 |
| KH8 = 32 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 2 | 1 | 5* | 5* | 6* | 8* | 8* | 7* | 6* | 2 | 2 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | - | 1 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 8 | 3 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 8 | 7 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 4 | 1 | - | 2* | 4* | 2 | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| FR = 39 | 8 | 5 | 5 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 5 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| FJL = 40 | 1* | 1* | 1* | 1* | 2* | 3* | 8 | 8 | 9 | 7 | 8 | 4 | 3 | 3 | 4 | 6 | 7 | 9 | 9 | 9 | 6 | 1 | - | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Oct., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 8 | 8 | 6 | 4 | 2 | - | 3* | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 6 | 2 | 5 | 7 | 7 | 5 | - | - | - | 5 | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 8 | 7 | 4 | 1 | 1 | 2 | 2 | - | - | - | - | - | 6 | 5 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 8 | 7 | 5 | 5 | 5 | 2 | 3 | - | - | - | - | 7 | 7 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 7 | 8 | 7 | 8 | 8 | 8 | 1 | 2 | - | - | 1 | 9 | 8 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| XE1 = 06 | 9+ | 9+ | 9 | 8 | 7 | 5 | 6 | 4 | 2* | 1* | - | - | 7 | 7 | 5 | 8 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9+ | 9 | 9 | 8 | 5 | 3 | 2* | - | - | 9 | 8 | 7 | 6 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | 1 | 9+ | 9+ | 9 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5* | 2* | 9 | 9 | 8 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 2* | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 2 | 1 | 3 | 2 | - | - | - | 9+ | 9 | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 7 | 5 |
| I = 15 | 9+ | 9 | 9 | 3 | - | 2* | 3* | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 4 | 2 | - | 2* | 4* | 3* | 4 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | 3 |
| UN = 17 | 1 | 2 | 7 | 9 | 7 | 2 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 8 | 7 | 5 | 5 | 5 | 4 | 4 | 4 |
| UA9 = 18 | - | 1* | 1* | 8 | 4 | 2* | 4 | 8 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 5 | 2 | - | - | - | - | - | 1* |
| UA0 = 19 | 9 | 9 | 8 | 7 | 5 | 3* | 5 | 8 | 8* | 6 | 5 | 6 | 5 | - | - | - | - | - | - | - | 5* | 4* | 3* | 7 |
| 4X = 20 | 9+ | 9 | 9 | 3* | 4* | 3* | 7 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 5 | 4 | 8 | 4 | 7 | 9 | 8 | 7 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ |
| VU = 22 | 1 | 1 | 8 | 9 | 8 | 5 | 7 | 7 | 6 | 6 | 5 | 6 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 |
| JT = 23 | 1* | 4 | 9 | 8 | 4 | 2* | 5 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 1 | - | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 8 | 8 | 8 | 7 | 5 | 3 | 5 | 5* | 6* | 7* | 6* | 5 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | 2* | 3* |
| JA1 = 25 | 9 | 8 | 7 | 6 | 5* | 5* | 6* | 7 | 8* | 8* | 7* | 5 | 5* | 3* | 3* | 3* | 4* | - | - | - | 3* | 4* | 8 | 9 |
| HS = 26 | 8 | 9 | 9 | 8 | 5 | 4 | 5 | 6 | 5 | 5 | 6 | 6 | 4 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| DU = 27 | 9 | 9 | 8 | 7 | 5 | 3 | 5 | 5* | 7* | 8* | 7* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 3 | 2* | 9 |
| YB = 28 | 9 | 9 | 8 | 5 | 1 | 1 | 5 | 4 | 5 | 5* | 6 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 4 | 8 |
| VK6 = 29 | 2 | 3 | 1 | 4 | 1 | 2 | 6 | 8 | 7 | 5 | 5 | 5 | 5 | 1 | 1* | 2* | 3* | 4* | 2* | - | 1* | 4* | 2* | 2* |
| VK3 = 30 | 8 | 5 | 3 | 1 | 3* | 1 | 5 | 7 | 6 | 6 | 5 | 3 | 2* | 2* | 1* | 2* | 3* | 2* | 1* | 5* | 6* | 5 | 7 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 3 | 7 | 6 | 5* | 4* | 3* | 3* | 4* | 2* | 5 | 5 | 7* | 8* | 7* | 7 | 7 | 8 |
| KH8 = 32 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 5* | 5* | 5 | 5 | 8* | 8* | 8* | 7* | 6* | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 3* | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 5 | 4 | 3* | 7 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 1 | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 5* | 5* | 4* | 8 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | 3* | 3* | 2* | 6 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 2 |
| FR = 39 | 4 | 1 | 4* | 6 | 5 | 6 | 8 | 8 | 8 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| FJL = 40 | 1* | 2* | 2* | 2* | 1* | 1* | 4 | 6* | 8 | 8 | 8 | 7 | 5 | 5 | 7 | 8 | 8 | 9 | 7 | 4 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Oct., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 3 | 3 | 1 | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | 1 | 6* | 6* | 6 | 6 | 5 |
| VO2 = 02 | 1 | - | 1 | 2 | 1 | 1 | - | - | - | - | 3 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 |
| W6 = 03 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 3 | 3 | 2 | 3 | 5 | 4 | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 9 | 9 | 6 | 1 | - | - | 2* | - | - | - | - | - | 7 | 8 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 8 | 8 | 8 | 6 | 2* | 1* | - | - | - | 3 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| HC = 10 | 9+ | 9+ | 9 | 8 | 9 | 8 | 4 | 5* | 4* | 1* | 2 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 7 | 9+ | 9+ | 9 | 9 | 9+ | 3 | 8 | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 4 | 2 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 3 | 4 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - |
| I = 15 | 7 | 6 | 4 | - | - | - | 1* | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 |
| UA3 = 16 | - | - | - | - | 2* | 1* | 1 | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 2 | - | - | - | - |
| UN = 17 | 2* | 1* | 3* | 9 | 4 | 2* | 6 | 8 | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 3 | 4 | 1 | - | - | - | - | - |
| UA9 = 18 | 2* | 2* | 2* | 3* | 2* | 2* | 1 | 7 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | 2* |
| UA0 = 19 | 7 | 8 | 8 | 7 | 1 | 1* | 1 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 5* | 5* | 4* |
| 4X = 20 | 9+ | 9+ | 5 | 4* | 4* | 3* | 2 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 8 | 8 | 9 | 9+ |
| HZ = 21 | 9 | 7 | 3* | 3* | 4 | 2* | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| VU = 22 | 2* | 2* | 4 | 9 | 7 | 2 | 6 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 2 | - |
| JT = 23 | 2* | 3* | 8 | 7 | 3* | 2* | 2 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | 2* | 2* |
| VR2 = 24 | 7 | 9 | 8 | 7 | 4 | 3* | 4 | 5 | 6 | 8* | 7* | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | - | 5* | 5* |
| JA1 = 25 | 8 | 8 | 7 | 5 | 4* | 4* | 4* | 7 | 8* | 8* | 7* | 6* | 5* | 4* | 3* | 3* | 1* | - | - | - | 2* | 5* | 5* | 9 |
| HS = 26 | 5 | 9 | 9 | 8 | 3 | 2* | 4 | 7 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 4* |
| DU = 27 | 9 | 9 | 8 | 7 | 4* | 4* | 4 | 7 | 7 | 8* | 8* | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2* | 5* | 7 |
| YB = 28 | 8 | 7 | 4* | 2 | 2* | 1* | 3 | 5 | 5 | 7* | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | 4* | 5 |
| VK6 = 29 | 4* | 5* | 2* | 2* | 2* | - | 3 | 6 | 4 | 5* | 5* | 4 | 3* | 2* | 2* | 1* | 1* | - | - | - | - | 1* | 5* | 4* |
| VK3 = 30 | 5 | 2 | 2* | 2* | 3* | - | 1 | 3 | 7* | 5* | 4* | 4* | 3* | 2* | 2* | 1* | 1* | - | - | 1* | 5* | 6* | 5 | 6 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 8 | 6 | 1* | 5* | 6* | 6* | 4* | 5* | 3* | 3* | 3* | - | 5 | 7 | 7 | 8* | 8* | 7 | 7 | 8 |
| KH8 = 32 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 5* | 5* | 5* | 5* | 2 | 6 | 7 | 8* | 7 | 7 | 7 | 7 |
| CN = 33 | 9+ | 9 | 8 | 7 | - | - | - | 1* | 9+ | 9+ | 9 | 9 | 6 | 5 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9 | 9+ | 8 | 2* | 6* | 3* | 2 | 9+ | 9 | 9 | 8 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 | 8 | 9 | 9+ |
| 6W = 35 | 9 | 9 | 9 | 9+ | 7 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 4 | 4 | 5* | 6* | 3* | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | 1* | 4* | 1* | 1 | 1 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 4 | 1 | - |
| FR = 39 | - | 1* | 4* | 4* | 3* | 1 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 |
| FJL = 40 | - | 1* | 1* | 1* | - | - | 1* | 3* | 2 | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 6 | 2 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Oct., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 6* | 5* | 2* | 1 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 1 |
| W6 = 03 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W9 = 04 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | - | - | - | - | 1 | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 |
| XE1 = 06 | 8 | 8 | - | - | - | - | 1* | - | - | - | - | - | - | 8 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 |
| TI = 07 | 8 | 9 | 5 | 3 | 6 | 2 | 1* | - | - | - | - | - | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VP2 = 08 | 6 | 7 | 6 | 2 | 3 | - | - | - | - | - | 9 | 9 | 5 | 1 | 1 | 4 | 9 | 9 | 9 | 9+ | 9 | 8 | 6 | 6 |
| P4 = 09 | 4 | 5 | 5 | 2 | 3 | - | - | - | - | - | - | 9 | 6 | 2 | 2 | 4 | 8 | 9 | 9 | 9 | 9 | 7 | 5 | 4 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | 5* | 2* | - | - | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| PY1 = 11 | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 7 | - | 1* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9 | 7 | 7 | 5 | 1 | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 8 | 8 | 8 | 6 | 9 | 9 | 9 | 9 | 8 | 9 | 7 | 4 | 1 | - | - |
| I = 15 | 2 | 1 | - | - | - | - | - | 1* | 9 | 9 | 3 | 1 | 1 | 1* | 1 | 5 | 7 | 7 | 6 | 5 | 4 | 8 | 7 | 5 |
| UA3 = 16 | - | - | - | - | 1* | - | - | 1* | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - |
| UN = 17 | 1* | 5* | 4* | 6 | 3* | 2* | 3 | 8 | 8 | 8 | 5 | 4 | 9 | 8 | 8 | 5 | - | 1 | - | - | - | - | - | - |
| UA9 = 18 | 4* | 5* | 3* | 2* | 1* | - | - | 2 | 9 | 8 | 7 | 8 | 6 | 5 | - | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 4 | 5 | 6 | 5 | - | - | - | 4 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 5* | 5* | 5* |
| 4X = 20 | 6 | 7 | 1 | 1* | 5* | 2* | 1* | 9 | 9 | 9 | 1* | 1* | 1 | 4 | 5 | 7 | 8 | 7 | 5 | 4 | 2 | 3 | 6 | 7 |
| HZ = 21 | 7 | 4 | 2* | 5* | 4* | 2* | 2 | 4 | 8 | 8 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 1* | 2* | 5* | 8 | 3 | 1* | 5 | 8 | 8 | 6 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 3 | - | - | - | - |
| JT = 23 | 4* | 5* | 4* | 5 | 2* | 2* | 1* | 5 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 4* |
| VR2 = 24 | 5* | 9 | 8 | 6 | 4* | 4* | 2 | 5 | 6 | 8* | 7* | 6* | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 3 | - | 1* | 5* |
| JA1 = 25 | 7 | 6 | 4* | 3 | 2* | 2* | 1* | 5 | 8 | 8* | 7* | 6* | 5* | 5* | 3* | 1* | - | - | - | - | - | 6* | 6* | 7 |
| HS = 26 | 6* | 8 | 8 | 6 | 4* | 2* | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 5 | - | 5* |
| DU = 27 | 8 | 8 | 8 | 6 | 5* | 4* | 3 | 6 | 7 | 8* | 8* | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 2 | - | 6* | 6* |
| YB = 28 | 7 | 5* | 4* | 2* | 1* | 1* | 1 | 3 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 4 | - | - | 1* | 3* |
| VK6 = 29 | 5* | 5* | 4* | 3* | 2* | - | 1 | 1 | - | 7* | 5* | 4* | 2* | 2* | 1* | - | - | - | - | - | - | - | 4* | 5* |
| VK3 = 30 | 5* | 4* | 4* | 3* | 2* | - | - | - | 5* | 5* | 5* | 4* | 2* | 1* | 1* | - | - | - | - | - | 4* | 5* | 5* | 5* |
| KH6 = 31 | 7 | 8 | 7 | 6 | 7 | 2 | 1* | 2* | 6* | 6* | 6* | 5* | 4* | 4* | 2* | - | 1 | 8 | 8 | 8 | 8* | 7 | 6 | 6 |
| KH8 = 32 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6* | 8* | 7 | 5* | 5* | 6* | 6* | 5* | 1* | - | 6 | 7 | 8* | 7 | 7 | 7 | 8 |
| CN = 33 | 6 | 3 | 1 | 3 | - | - | - | - | 1 | 6 | 2 | 1 | - | - | - | 4 | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 7 |
| SU = 34 | 5 | 5 | 4 | - | 6* | 3* | 1* | 7 | 9 | 6 | 1* | 1* | 1 | 2 | 4 | 6 | 7 | 6 | 5 | 2 | 1 | 2 | 5 | 5 |
| 6W = 35 | 6 | 4 | 4 | 8 | 2 | - | - | - | 5 | 9 | 8 | 6 | 4 | 4 | 3 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 7 | 6 |
| D2 = 36 | 9 | 9 | 7 | 8 | 3 | 3* | 6 | 7 | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 5* | 5* | 4* | 1* | 1 | 5 | 3 | 1 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 |
| ZS6 = 38 | - | - | - | - | 3* | - | - | - | - | 1* | - | 3 | 6 | 7 | 8 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - |
| FR = 39 | - | - | 3* | 2* | 1* | - | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Nov., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| W6 = 03 | - | - | 2 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 5 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 2 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | - | 1 | 3 | 5 | 5 | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| P4 = 09 | 5 | 4 | 3 | 3 | 4 | 2 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 2 | 3 | 4 | 3 | 4 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 9 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 |
| CE = 12 | 3 | 2 | 3 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 5 | 5 | 5 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| G = 14 | 4 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 3 | 3 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA3 = 16 | 4 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 |
| UN = 17 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 1 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 3 | 3 |
| HZ = 21 | 4 | 1 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 | 5 |
| VU = 22 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 3 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 4 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| FJL = 40 | 4 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Nov., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 2 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| W6 = 03 | - | 2 | 5 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| XE1 = 06 | 3 | 5 | 7 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 4 | 6 | 8 | 8 | 4 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 |
| P4 = 09 | 8 | 7 | 6 | 6 | 7 | 5 | 8 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| HC = 10 | 5 | 6 | 7 | 6 | 7 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 |
| CE = 12 | 6 | 5 | 6 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 8 |
| G = 14 | 7 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 |
| I = 15 | 6 | 6 | 7 | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| UA3 = 16 | 7 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 |
| UN = 17 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 7 |
| UA9 = 18 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | - |
| 4X = 20 | 5 | 5 | 4 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 5 | 6 | 6 |
| HZ = 21 | 7 | 4 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 |
| VU = 22 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 5 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 5 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - |
| VK3 = 30 | - | - | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 6 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | 4 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 7 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| FJL = 40 | 7 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Nov., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 4 | 5 | 6 | 7 | 7 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 |
| W6 = 03 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| TI = 07 | 8 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 |
| I = 15 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 8 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 7 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 7 | 8 | 8 |
| UA9 = 18 | 6 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 6 | 8 | 7 | 7 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 7 | 4 |
| 4X = 20 | 8 | 8 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 6 | 8 | 8 | 8 |
| JT = 23 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 8 | 6 | 6 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 6 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 4 | 1 |
| HS = 26 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 6 | 5 | 3 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 2 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - | - | - |
| KH6 = 31 | - | - | - | 5 | 6 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 8 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | - | - | - | - | - | - | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Nov., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 5 | 5 |
| VO2 = 02 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 8 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | 2 | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 3 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 6 | 6 | 8 | 8 |
| UA0 = 19 | 5 | 2 | 2 | 1 | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 | 7 | 6 |
| 4X = 20 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 7 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 8 | 6 | 3 |
| HS = 26 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 7 | 6 | 5 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 | 1 | - |
| KH6 = 31 | - | 1 | 4 | 6 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 6 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 6 | 5 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Nov., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 8 | 7 | 2* | 2* | 4 | 3 | 3 | 2 | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 3 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | 5 | 4 | 1 | - | - | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 2 | 8 | 7 | 4 | 2 | 1 | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | - | 5 | 2 | - | - | - | - | 1 | 1 | 2 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 4 | 5 | 6 | 2 | 1 | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 3 | 9+ | 9 | 8 | 5 | 3 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | 9 | 9 | 7 | 6 | 3 | 2 | 2 | 3 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 6 | 4 | 1 | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 2 | - | - | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 9+ | 9 | 8 | 3 | 8 | 9 | 9 | 7 | 4 | 1 | 1 | 1 | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 5 | 5 | 9 | 9 | 8 | 5 | 3 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 8 | 7 | 5 | 4 | 9 | 8 | 8 | 5 | 3 | 1 | - | - | 1 | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| UN = 17 | 9 | 8 | 9 | 9 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | 2 | 4 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 2 | - | 7 | 9 | 8 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | 1 | 4 | 7 | 6 | 5 | 7 | 8 | 9 | 8 | 5 |
| UA0 = 19 | 8 | 8 | 8 | 6 | 4 | 6 | 5 | 5* | 5* | 3 | 1 | - | - | - | - | - | 1 | 5 | 6 | 6 | 4 | 4 | 5 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 7 | 3 | 2 | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 7 | 9 | 8 | 8 | 6 | 5 | 1 | 1 | 1 | 1 | 1 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 5 | 9 | 9 | 7 | 5 | 3 | 1 | 2 | - | - | 1 | - | - | 2 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 4 | 9 | 9 | 8 | 6 | 5 | 4 | 4 | 9 | 1* | - | - | - | - | 1 | 2 | 4 | 4 | 4 | 6 | 8 | 8 | 5 | 2 |
| VR2 = 24 | 8 | 8 | 6 | 4 | 1 | - | - | 1* | 3* | 3* | 1* | - | - | - | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 5 | 8 |
| JA1 = 25 | 8 | 6 | 5 | 4 | 2 | 3 | 5* | 6* | 6 | 4* | 1* | - | - | - | - | - | 4 | 6 | 8 | 6 | 5 | 6 | 9 | 8 |
| HS = 26 | 9 | 9 | 8 | 6 | 3 | - | - | - | 1 | 1 | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 7 | 5 | 1 | - | - | 1* | 4* | 4* | 4* | 2* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| YB = 28 | 9 | 9 | 7 | 3 | - | - | - | - | 1* | 1* | 1* | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| VK6 = 29 | 8 | 8 | 6 | 3 | 1 | 1 | - | - | 1 | 1* | 1* | - | - | - | 1 | 3 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| VK3 = 30 | 5 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 8 | 2* | 1 | - | - | - | - | 1 | 3 | 5 | 5 | 7 | 8 | 8 | 8 | 6 |
| KH6 = 31 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | 1* | 3* | 8 | 5* | 3* | 1 | 1 | 2 |
| KH8 = 32 | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | 1 | - | - | - | 4* | 5* | 8 | 6* | 5* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 6 | 9+ | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 | 2 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 9 | 7 | 7 | 9 | 9+ | 9 | 9 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 1 | - | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| FJL = 40 | 5 | 5 | 3 | 1* | 1* | 1* | 1* | 7 | 7 | 6 | 3 | 2 | 1 | 1 | 1 | 3 | 5 | 8 | 9 | 5 | 1 | 1 | 1 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Nov., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 8 | 5 | 2* | 2* | 2* | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 7 | 7 | 6 | 8 | 8 | 8 | 4 | 1 | - | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 5 | 3 | 2 | 4 | 5 | 5 | - | - | - | 1 | 2 | 1 | 2 | 6 | 5 | 5 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | 3 | 7 | 4 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 8 | 8 | 7 | 8 | 8 | 7 | 6 | 4 | - | 5 | 8 | 7 | 5 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | 6 | 5 | 2 | 2 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2* | 1* | - | 9 | 7 | 5 | 4 | 3 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | 8 | 9+ | 9 | 8 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2 | - | - | 9+ | 9 | 8 | 6 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 1 | 8 | 9 | 8 | 6 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 4 | 5 | 5 | 1 | - | 1 | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 8 | 7 |
| I = 15 | 9+ | 9+ | 9+ | 7 | - | - | 5 | 9+ | 9 | 8 | 7 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 1 | 1 | - | 1* | 4* | 7 | 7 | 9 | 8 | 8 | 7 | 5 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 7 | 4 | 1 | - | - |
| UN = 17 | 6 | 4 | 7 | 9 | 9 | 8 | 8 | 8 | 5 | 8 | 3 | 3 | 3 | 4 | 5 | 8 | 8 | 7 | 6 | 5 | 6 | 7 | 8 | 7 |
| UA9 = 18 | - | - | - | 8 | 9 | 6 | 7 | 8 | 6 | 4 | 6 | 3 | 3 | 3 | 5 | 5 | - | - | - | - | - | 2 | - | 1* |
| UA0 = 19 | 8 | 9 | 8 | 7 | 7 | 6 | 7 | 8 | 7 | 6* | 6 | 1 | - | - | - | - | - | - | - | - | 3* | 2* | 2* | 3 |
| 4X = 20 | 9+ | 9+ | 9+ | 5 | 3* | 7 | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 6 | 3 | 9 | 8 | 8 | 9 | 7 | 5 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 2 | - | 8 | 9 | 9 | 7 | 7 | 5 | 5 | 4 | 3 | 3 | 3 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9 | 9 | 9 | 5 |
| JT = 23 | 1* | 5 | 9 | 8 | 8 | 5 | 6 | 7 | 6 | 4 | 5 | 4 | 4 | 5 | 1 | - | - | - | - | - | 1 | - | 1* | 1* |
| VR2 = 24 | 9 | 9 | 8 | 7 | 5 | 3 | 3* | 4* | 7 | 7 | 5* | 4* | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 1* | 2 |
| JA1 = 25 | 9 | 8 | 7 | 7 | 6 | 6* | 7* | 8* | 8* | 7* | 5 | 5* | 1* | - | - | - | 2* | 1* | - | - | 2* | 2* | 5 | 9 |
| HS = 26 | 9 | 9 | 9 | 8 | 6 | 4 | 3 | 2 | 4 | 8 | 4 | 2 | 3 | 4 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| DU = 27 | 9 | 8 | 8 | 6 | 4 | 3 | 4* | 7 | 7 | 7 | 5* | 4* | 1 | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9+ | 8 | 2 | 9 |
| YB = 28 | 9 | 9 | 9 | 7 | 4 | 2 | 2 | 2 | 4* | 8 | 3* | 3* | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 8 | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 8 | 8 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5* | 5* | 5* | 4 | 3 | 4 | 6 |
| VK3 = 30 | 8 | 8 | 6 | 5 | 6 | 5 | 6 | 7 | 6 | 5 | 5 | 2 | 2 | 1 | 1 | 1 | 5* | 4* | 5* | 7* | 6 | 8 | 8 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 7 | 9 | 6 | 4 | 4 | - | - | 1* | 2* | 5 | 6 | 7* | 8* | 6* | 5 | 5 | 6 |
| KH8 = 32 | 3 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | 5* | 6* | 7* | 8* | 8* | 7* | 6* | 2* | 2 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 6 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 7 | 3* | 6 | 9 | 9+ | 9 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9 | 7 | 2 | 2* | 3* | 6 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 7 | 9 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| FJL = 40 | 1* | 1* | 2* | 1* | 2* | 3* | 4* | 5* | 8 | 8 | 8 | 5 | 4 | 3 | 4 | 6 | 8 | 8 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Nov., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 8 | 7 | 4 | 1* | 1* | 2* | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 2 | 1 | 1 | 2 | 4 | 3 | - | - | - | 1 | 8 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 8 | 4 | 1 | 1* | - | - | - | 1 | - | - | - | - | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 8 | 6 | 4 | 3 | 2 | 5 | 3 | - | - | - | - | 8 | 7 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 |
| W3 = 05 | 8 | 3 | 5 | 1 | 2 | 3 | 2 | 2 | - | - | - | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| XE1 = 06 | 9+ | 9 | 9 | 7 | 5 | 1 | 5 | 2 | 1 | - | - | - | 8 | 7 | 5 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9 | 9 | 9 | 6 | 2 | - | - | - | 9 | 8 | 8 | 5 | 9 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | 9+ | 9 | 9 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 2* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4* | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 1 |
| I = 15 | 9+ | 9 | 8 | 1 | - | - | 5* | 9 | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | - | - | - | - | 5* | 4* | 4 | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 1 | - | - | - | - |
| UN = 17 | 1 | 1* | 2 | 8 | 9 | 5 | 7 | 8 | 8 | 7 | 6 | 7 | 7 | 7 | 8 | 8 | 2 | 4 | 1 | 1 | 1 | 1 | 2 | 2 |
| UA9 = 18 | 1* | 1* | 2* | 2* | 8 | 2 | 4 | 8 | 8 | 6 | 5 | 7 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 6 | 9 | 8 | 8 | 7 | 5* | 5* | 8 | 8 | 7 | 6 | 2* | 1* | - | - | - | - | - | - | - | - | 4* | 4* | 2* |
| 4X = 20 | 9+ | 9 | 8 | 3* | 4* | 3* | 6 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 1 | 2* | 7 | 5 | 7 | 9 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1* | 1* | 4 | 9 | 8 | 6 | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 8 | 9 | 9 | 8 | 6 | 5 | 4 | - |
| JT = 23 | 1* | 1* | 8 | 9 | 7 | 3* | 5 | 8 | 7 | 7 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 8 | 9 | 9 | 7 | 5 | 3 | 5 | 5 | 7* | 7* | 6* | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 2 | 2* | 2* |
| JA1 = 25 | 9 | 8 | 8 | 7 | 5 | 6* | 7* | 8 | 8* | 8* | 7* | 6* | 5* | 3* | 2* | 2* | 2* | - | - | - | 5* | 4* | 3* | 8 |
| HS = 26 | 7 | 9 | 9 | 8 | 5 | 4 | 5 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| DU = 27 | 9 | 9 | 8 | 7 | 5 | 4 | 5 | 5 | 7* | 8* | 7* | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 3* | 2* | 8 |
| YB = 28 | 9 | 9 | 8 | 6 | 2 | 2 | 4 | 4 | 6 | 6* | 6 | 6 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 9 |
| VK6 = 29 | 4 | 7 | 4 | 5 | 2 | 3 | 6 | 6 | 4 | 4 | 5 | 4 | 3 | 1 | 1* | 2* | 4* | 5* | 5* | 3* | 2* | 4* | 4* | 4* |
| VK3 = 30 | 6 | 6 | 6 | 5 | 3 | 3 | 6 | 6 | 6 | 5 | 5 | 5* | 3* | 2* | 2* | 3* | 5* | 5* | 5* | 6* | 6* | 5 | 6 | 7 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 6 | 4* | 5* | 4* | 3* | 2* | 2* | 1* | 5 | 5 | 6 | 8* | 7* | 6 | 7 | 7 |
| KH8 = 32 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 5* | 6* | 5 | 5 | 8* | 8* | 8* | 7* | 6* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 2 | 5* | 4* | 6 | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 5 | 5* | 5 | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 5 | 1 | - | 2* | 4* | 2* | 7 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| FR = 39 | 7 | 5 | 4* | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | - | 1* | 2* | 3* | 4* | 4* | 4* | 5* | 3 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 7 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Nov., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3* | 2 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 8 | 8 | 6 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | 1 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 |
| W6 = 03 | 9 | 8 | 4 | 1* | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| W3 = 05 | 2 | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 7 |
| XE1 = 06 | 9 | 8 | 2 | 1* | - | - | - | - | - | - | - | - | 8 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 8 |
| TI = 07 | 9 | 9 | 9 | 7 | 8 | 6 | 2 | - | - | - | - | 4 | 8 | 8 | 7 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 9 | 9 | 8 | 4 | 2 | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 |
| P4 = 09 | 6 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 6 | 5 |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 5* | 5* | 1* | 1 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 5 | 5 | 4 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 5 | 4 | 4 | 6 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 8 | 5 | 2 | - | - |
| I = 15 | 7 | 6 | 2 | - | - | - | 2* | 4* | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 7 | 6 | 6 | 7 | 9 |
| UA3 = 16 | - | - | - | - | 1* | 3* | 2* | 3* | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 1 | - | - | - | - | - | - |
| UN = 17 | - | 3* | 4* | 6 | 6 | 2* | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 2* | 2* | 3* | 3* | 4 | 2* | 2* | 8 | 8 | 8 | 7 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 6 | 8 | 7 | 5 | 2* | 2* | 5 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 5* | 5* | 4* |
| 4X = 20 | 9+ | 9 | 4 | 1* | 6* | 3* | 2* | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 7 | 8 | 9 | 9+ |
| HZ = 21 | 8 | 5 | 2* | 4* | 4 | 2* | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 1* | 3* | 4* | 9 | 7 | 3 | 6 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | - | - | - | - |
| JT = 23 | 3* | 4* | 4* | 8 | 5 | 3* | 3* | 6 | 8 | 8 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | 3* |
| VR2 = 24 | 7 | 9 | 9 | 7 | 4 | 4* | 4 | 6 | 6 | 7* | 7* | 6 | 6 | 7 | 8 | 8 | 9 | 8 | 8 | 7 | 4 | - | 4* | 5* |
| JA1 = 25 | 9 | 8 | 6 | 6 | 5* | 5* | 5* | 8 | 8 | 8* | 8* | 6* | 5* | 3* | 2* | - | - | - | - | - | 1* | 6* | 5* | 5 |
| HS = 26 | 5* | 8 | 9 | 7 | 3 | 2 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 4* |
| DU = 27 | 9 | 9 | 8 | 7 | 4* | 4* | 5 | 7 | 5 | 8* | 7* | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | - | 5* | 5 |
| YB = 28 | 8 | 9 | 5 | 4 | 1* | 1 | 4 | 5 | 5 | 7* | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 4* | 7 |
| VK6 = 29 | 5* | 5* | 4* | 2 | 2* | 1 | 4 | 4 | 1 | 7* | 5* | 5* | 3* | 2* | 2* | 3* | 4* | 3* | 1* | - | - | 1* | 4* | 5* |
| VK3 = 30 | 4* | 2* | 3 | 3* | 3* | - | 2 | 3 | 6* | 5* | 4* | 5* | 3* | 2* | 2* | 3* | 4* | 2* | 2* | 2* | 5* | 6* | 5* | 5 |
| KH6 = 31 | 8 | 8 | 9 | 8 | 8 | 7 | 2 | 5* | 5* | 6* | 4* | 4* | 3* | 3* | 2* | - | 3 | 7 | 7 | 8* | 8* | 7 | 6 | 6 |
| KH8 = 32 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 5* | 5* | 5* | 5 | 6 | 7 | 8* | 7* | 6 | 6 | 6 |
| CN = 33 | 8 | 6 | 3 | 6 | - | - | - | - | 8 | 9+ | 9 | 9 | 9 | 9 | 7 | 9 | 9 | 9+ | 9+ | 8 | 8 | 8 | 8 | 9 |
| SU = 34 | 9+ | 9 | 6 | - | 5* | 4* | 2* | 9 | 9 | 9 | 8 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 8 | 7 | 6 | 7 | 9 | 9+ |
| 6W = 35 | 8 | 8 | 8 | 9+ | 9 | 4 | - | - | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 8 | 6 | 6* | 5* | 4* | 5 | 9 | 9 | 5 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | 1* | 4* | 1* | 2 | - | 2 | 1 | 4 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 6 | 5 | 2 |
| FR = 39 | 2 | 2* | 5* | 4* | 2 | 4 | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 |
| FJL = 40 | - | - | 1* | 3* | 2* | 1* | 2* | 3* | - | 6 | 8 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Nov., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6* | 5 | 4* | 2* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | - |
| W6 = 03 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| W9 = 04 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | 1* | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 4 |
| XE1 = 06 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 6 | 5 | 8 | 8 | 8 | 9 | 8 | 7 | 5 | 5* |
| TI = 07 | 7 | 8 | 8 | 1 | 6 | 3 | - | - | - | - | - | - | 9 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 7 |
| VP2 = 08 | 1 | 2 | 2 | 1 | - | - | - | - | - | - | 7 | 9 | 6 | 4 | 3 | 4 | 6 | 9 | 9 | 9 | 7 | 6* | 6* | 5* |
| P4 = 09 | 4* | 1 | 1 | - | 3 | - | - | - | - | - | - | 9 | 5 | 2 | 2 | 3 | 6 | 9 | 9 | 9 | 7 | 5* | 6* | 6* |
| HC = 10 | 7 | 8 | 8 | 8 | 7 | 5 | 1 | 5* | 2* | - | - | 9 | 5 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 7 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | 2* | 1 | 1* | 2 | 5 | 4 | 5 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9 | 9 | 9 | 6 | 6 | 3 | 1 | 1* | - | 1* | 3 | 2 | 1 | 4 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 7 | 4 | 1 | - | - | - |
| I = 15 | 2 | 1 | - | - | - | - | 1* | 1* | 6 | 9 | 5 | 2 | 2 | 1 | 1 | 5 | 7 | 7 | 4 | 2 | 1 | - | 1 | 5 |
| UA3 = 16 | - | - | - | - | - | 1* | 1* | 1* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - |
| UN = 17 | - | 4* | 5* | 4* | 4 | 2* | 3 | 6 | 8 | 7 | 4 | 8 | 9 | 8 | 6 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | 2* | 5* | 3* | 2* | 2* | 1* | 1* | 2 | 8 | 8 | 7 | 8 | 7 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 4* | 4* | 6 | 2 | - | - | 2* | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 2* | 5* | 4* |
| 4X = 20 | 7 | 5 | - | - | 5* | 2* | 1* | 1 | 9 | 4 | 2* | 2* | 1 | 1 | 2 | 6 | 7 | 7 | 5 | 2 | 1 | 2 | 6 | 8 |
| HZ = 21 | 3 | 2 | - | 6* | 4* | 2* | 1 | 8 | 9 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | - | 5* | 5* | 8 | 4 | 2* | 5 | 6 | 7 | 5 | 4* | 5 | 7 | 8 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - |
| JT = 23 | 4* | 5* | 4* | 6 | 3* | 2* | 2* | 2* | 7 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 3* |
| VR2 = 24 | 6* | 9 | 8 | 6 | 4* | 4* | 3 | 5 | 6 | 6* | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 5 | 3 | 1 | - | 3* | 6* |
| JA1 = 25 | 7 | 5 | 5* | 4 | 3* | 2* | 2* | 2 | 7 | 8* | 7* | 6* | 5* | 3* | - | - | - | - | - | - | - | 5* | 6* | 5* |
| HS = 26 | 6* | 7 | 7 | 5 | 4* | 2* | 5 | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 4 | - | 4* |
| DU = 27 | 8 | 9 | 8 | 5 | 4* | 4* | 4 | 6 | 6 | 6* | 8* | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | - | - | 5* | 6* |
| YB = 28 | 7 | 5 | 3* | 2 | 1* | 1* | 2 | 2 | 3 | 7 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 2 | - | 1* | 5 |
| VK6 = 29 | 5* | 5* | 4* | 3* | 2* | - | 2 | - | - | 6* | 5* | 4* | 3* | 3* | 3* | 2* | 1* | - | - | - | - | - | 2* | 4* |
| VK3 = 30 | 4* | 4* | 3* | 3* | 2* | - | - | - | 2* | 5* | 5* | 4* | 4* | 3* | 2* | 1* | 1* | - | - | - | 3* | 5* | 5* | 5* |
| KH6 = 31 | 5 | 6 | 7 | 4 | 7 | 4 | 1* | 3* | 5* | 5* | 5* | 5* | 3* | 2* | 1* | - | - | 8 | 8 | 8 | 8* | 7* | 5* | 4 |
| KH8 = 32 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 8* | 8 | 8 | 6 | 6* | 6* | 5* | 1* | 3 | 6 | 7 | 8* | 7 | 7 | 7 | 7 |
| CN = 33 | 2 | - | - | 1 | - | - | - | - | 1* | 7 | 6 | 3 | 1 | 1 | - | 4 | 7 | 7 | 5 | 4 | 3 | 2 | 3 | 2 |
| SU = 34 | 6 | 5 | 2 | - | 2* | 3* | 1* | 1* | 7 | 2 | 1* | 1* | 1* | 1* | 1 | 5 | 6 | 6 | 3 | 1 | - | 1 | 5 | 7 |
| 6W = 35 | 1 | 1 | 1 | 9 | 8 | - | - | - | 1* | 8 | 7 | 6 | 7 | 6 | 6 | 8 | 9 | 9 | 7 | 6 | 2 | 1 | 1 | - |
| D2 = 36 | 9+ | 9 | 9 | 8 | 4 | 4* | 8 | 6 | 8 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 6 | 2 | 1 | 3* | 5* | 3* | 2 | - | - | 1* | 1* | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 3* | 1* | - | - | - | 1* | - | 3 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | 2 | 2 | 1 | - |
| FR = 39 | - | - | 2* | 1* | 2* | 1 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | 1 |
| FJL = 40 | - | - | - | 1* | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Dec., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 |
| W6 = 03 | - | - | 2 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| XE1 = 06 | 1 | 3 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 2 | 5 | 5 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 6 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| P4 = 09 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 2 | 3 | 3 | 4 | 4 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 9 | 9 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 9 |
| CE = 12 | 1 | 1 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| G = 14 | 4 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UN = 17 | 4 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| UA9 = 18 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 4 | 4 |
| HZ = 21 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 5 |
| VU = 22 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| SU = 34 | 4 | 4 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 5 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FR = 39 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 | 5 |
| FJL = 40 | 4 | 4 | 3 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Dec., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | 4 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| W6 = 03 | 1 | 3 | 5 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| XE1 = 06 | 4 | 6 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TI = 07 | 5 | 7 | 5 | 8 | 8 | 6 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 9 | 8 | 8 | 7 | 7 | 7 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| P4 = 09 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| HC = 10 | 5 | 6 | 6 | 7 | 7 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ |
| CE = 12 | 4 | 4 | 6 | 6 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| G = 14 | 7 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 7 |
| UN = 17 | 7 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 |
| UA9 = 18 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | - |
| 4X = 20 | 6 | 6 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 7 |
| HZ = 21 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 8 |
| VU = 22 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 7 | 7 |
| JT = 23 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 4 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 1 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| VK3 = 30 | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 9 | 9 |
| SU = 34 | 7 | 7 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | 4 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 8 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FR = 39 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 |
| FJL = 40 | 7 | 7 | 6 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Dec., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 7 | 7 | 7 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 5 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 |
| W6 = 03 | 6 | 6 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W9 = 04 | 8 | 7 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 |
| XE1 = 06 | 6 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ |
| CE = 12 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 7 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 7 | 7 | 7 |
| UA0 = 19 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 7 | 6 |
| 4X = 20 | 9 | 9 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 8 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 9 | 8 |
| VU = 22 | 4 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 7 | 6 | 7 | 7 |
| VR2 = 24 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 8 | 6 | 2 |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 5 | 4 |
| YB = 28 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 6 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 5 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | 1 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | - | - | - | - | - | - | - | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Dec., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 6 | 6 | 7 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| W9 = 04 | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | 2 | 3 | 6 | 7 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 8 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 4 | 2 | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 7 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 7 | 6 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 7 | 3 | 3 | 2 | 1 | 1 | 1 | 4 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 7 | 6 | 6 |
| 4X = 20 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 6 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 6 | 4 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 8 | 7 |
| VR2 = 24 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 6 | 7 | 7 |
| JA1 = 25 | 2 | 2 | 1 | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 | 7 | 6 |
| HS = 26 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 7 | 7 | 5 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 7 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 1 | - | - |
| KH6 = 31 | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | - | 4 | 6 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 3 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 2 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 5 | 2 | 2 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Dec., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 9 | 8 | 7 | 2 | 3 | 5 | 5 | 4 | 2 | - | - | - | - | - | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 8 | 8 | 6 | 3 | 2 | 1 | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 7 | 6 | - | - | - | - | - | - | 2* | 2 | 3 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | 6 | 4 | 1 | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 7 | 1 | 8 | 7 | 4 | 1 | - | - | 2 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | 6 | 2 | 1 | - | - | - | 2 | 1 | 3 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 2 | 5 | 6 | 2 | 1 | - | - | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | 9 | 9 | 8 | 6 | 3 | 2 | 2 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | 9 | 9 | 8 | 6 | 3 | 2 | 2 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 4 | 2 | 1 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | - | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 9 | 9 | 6 | 1 | 2 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 4 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 4 | 1 | 8 | 9 | 8 | 6 | 4 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 7 | 8 | 7 | 6 | 4 | 7 | 8 | 9 | 7 | 4 | 2 | - | 1 | 1 | 1 | 5 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 7 |
| UN = 17 | 8 | 6 | 7 | 9 | 8 | 8 | 5 | 5 | 2 | 1 | 1 | - | - | - | 1 | 5 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 |
| UA9 = 18 | 4 | - | - | 8 | 9 | 8 | 8 | 6 | 4 | 1 | 1 | - | - | 1 | 1 | 5 | 2 | 4 | 4 | 6 | 8 | 8 | 8 | 7 |
| UA0 = 19 | 8 | 8 | 8 | 6 | 7 | 7 | 7 | 5 | 5 | 4* | 1 | - | - | - | - | - | - | 5 | 6 | 6 | 5 | 2 | 1 | 2 |
| 4X = 20 | 9+ | 9+ | 9 | 8 | 5 | 9 | 9 | 8 | 8 | 4 | 2 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 5 | 9 | 8 | 7 | 7 | 6 | 1 | 1 | 1 | 1 | 2 | 4 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 6 | - | 8 | 9 | 8 | 6 | 3 | 1 | 1 | - | - | - | - | 1 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | - | 5 | 9 | 9 | 7 | 6 | 6 | 5 | 7 | 2* | - | - | - | 1 | 1 | - | 1 | 2 | 3 | 5 | 7 | 8 | 6 | 2 |
| VR2 = 24 | 8 | 8 | 7 | 4 | 1 | - | 1* | 2* | 2* | 3* | 2* | - | - | - | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 8 |
| JA1 = 25 | 8 | 7 | 6 | 4 | 3 | 5 | 5 | 6* | 6* | 5* | 1* | - | - | - | - | - | 1 | 4 | 6 | 5 | 2 | 2* | 7 | 8 |
| HS = 26 | 9 | 9 | 8 | 6 | 4 | - | - | - | 1 | 1 | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 7 | 5 | 1 | - | - | 1* | 3* | 5* | 4* | 1* | - | - | - | - | 2 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 |
| YB = 28 | 9 | 8 | 8 | 3 | - | - | - | - | 1* | 2* | 1* | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 |
| VK6 = 29 | 9 | 7 | 5 | 2 | 1 | - | - | - | - | 1* | 1* | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 3 | 1 | 1 | 1 | 1 | - | 1 | 2* | 2 | 2* | 1 | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 6 | 5 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | - | - | - | - | - | 1* | 2* | 8 | 6* | 4* | 1 | 1 | 1 |
| KH8 = 32 | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | 4* | 5* | 6* | 6* | 5* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | - | 9+ | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 5 | 9 | 9 | 9 | 8 | 5 | 3 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 2 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 9+ | 8 | 7 | 7 | 9 | 9 | 9 | 8 | 8 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9+ | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 4 | 1 | 1 | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 9 |
| FJL = 40 | 5 | 5 | 4 | 1* | 1* | 1* | 1* | 1* | 8 | 7 | 4 | 2 | 1 | 1 | 1 | 4 | 8 | 8 | 2 | 3 | 1 | 2 | 2 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Dec., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 7 | 4 | 2* | 3* | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 7 | 6 | 4 | 2 | 7 | 8 | 6 | 2 | - | 3 | 8 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 4 | 1 | 4 | 3 | 5 | 4 | - | - | - | - | 4 | 2 | 3 | 5 | 5 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 7 | 6 | 7 | 8 | 7 | 7 | 5 | - | 1 | 6 | 5 | 4 | 3 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| W3 = 05 | 9 | 8 | 8 | 3 | 5 | 7 | 8 | 5 | 1 | - | 1 | 8 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | 1* | - | - | 7 | 4 | 3 | 3 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1* | 1* | - | 8 | 7 | 5 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | - | - | - | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2* | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 4 | 4 | 4 | - | - | - | 6 | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| I = 15 | 9+ | 9+ | 9+ | 6 | - | - | 3* | 9+ | 9 | 9 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 2 | 2 | 1 | - | 4* | 5* | 4 | 9 | 9 | 7 | 8 | 6 | 4 | 5 | 6 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | 1 |
| UN = 17 | 2 | 1 | 2 | 8 | 9 | 8 | 8 | 7 | 6 | 6 | 4 | 5 | 4 | 6 | 7 | 8 | 7 | 6 | 4 | 2 | 3 | 3 | 5 | 5 |
| UA9 = 18 | 1* | 1* | 1* | 1* | 9 | 6 | 6 | 8 | 7 | 5 | 5 | 4 | 3 | 4 | 4 | - | - | - | - | - | 1 | 2 | 2 | 1 |
| UA0 = 19 | 3 | 9 | 8 | 8 | 8 | 5* | 6* | 8 | 8 | 7 | 5 | 2* | - | - | - | - | - | - | 1 | - | - | 2* | 3* | 2* |
| 4X = 20 | 9+ | 9+ | 9 | 1* | 4* | 6 | 7 | 9+ | 9 | 8 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 2 | 2* | 6 | 7 | 7 | 9 | 7 | 6 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1* | 1* | 1 | 9 | 9 | 7 | 7 | 5 | 6 | 9 | 5 | 3 | 4 | 4 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 7 |
| JT = 23 | 1* | 1* | 6 | 9 | 8 | 6 | 6 | 8 | 7 | 5 | 5 | 5 | 3 | 5 | - | - | - | - | - | - | 1 | 1 | - | 1* |
| VR2 = 24 | 9 | 9 | 9 | 7 | 5 | 3 | 3 | 6 | 6 | 7 | 4* | 4* | 2* | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 2* | 4 |
| JA1 = 25 | 9 | 8 | 8 | 7 | 6 | 6* | 7* | 8 | 8* | 7 | 6* | 5* | 1* | - | - | 1* | 1* | - | - | - | 2* | 3* | 3* | 7 |
| HS = 26 | 8 | 9 | 9 | 8 | 5 | 4 | 4 | 5 | 5 | 8 | 4 | 3 | 3 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| DU = 27 | 9 | 9 | 8 | 6 | 4 | 3 | 3 | 8 | 7 | 7 | 5* | 4* | 2* | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 2* | 8 |
| YB = 28 | 9 | 9 | 8 | 6 | 3 | 2 | 1 | 1 | 4* | 9 | 4 | 3* | 3 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 8 | 8 | 7 | 6 | 5 | 5 | 5 | 7 | 7 | 8 | 3 | 3 | 3 | 3 | 4 | 5 | 6 | 5 | 6* | 6* | 5* | 4* | 4* | 2 |
| VK3 = 30 | 7 | 8 | 7 | 6 | 5 | 5 | 5 | 5 | 6 | 7 | 5 | 4 | 1 | 1 | - | 1* | 5* | 5* | 5* | 7* | 7* | 7 | 8 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 2 | 1 | - | - | 1* | 2* | 4 | 6 | 7* | 8* | 7* | 5 | 6 | 7 |
| KH8 = 32 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2* | 3* | 5* | 6* | 6 | 8* | 8* | 7* | 6* | 4* | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 5 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 1 | 5* | 6 | 7 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 6 | 6 | 6 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 8 | 4 | 2 | 2* | 2* | 5 | 8 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 6 | 5 | 5 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| FJL = 40 | - | 1* | 1* | 2* | 4* | 4* | 5* | 5* | 2* | 8 | 8 | 5 | 4 | 4 | 5 | 8 | 7 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Dec., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 8 | 6 | 2 | 2* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 4 | 1 | - | - | 3 | 4 | 1 | - | - | - | 2 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| W6 = 03 | 9 | 9 | 8 | 4 | 1* | - | - | - | 1 | 1 | - | - | - | - | 3 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 9 | 8 | 5 | 1 | 1 | 1 | 4 | 2 | 2 | 1 | - | - | 7 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| W3 = 05 | 7 | 2 | 2 | - | - | 3 | 4 | 1 | - | - | - | 6 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | 7 | 7 | 8 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ |
| TI = 07 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2* | 1* | - | - | 8 | 8 | 8 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 8 | 8 | 6 | - | - | - | - | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| P4 = 09 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5 | 4 | 1* | 5 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 5 | 4 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 5 | 6 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 5 | 9 | 7 | 5 | 3 | 1 |
| I = 15 | 9 | 8 | 7 | 1 | - | - | 1* | 5* | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 |
| UA3 = 16 | - | - | - | - | 1* | 5* | 4* | 4 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 6 | 5 | 2 | - | - | - | - |
| UN = 17 | - | 2* | 2* | 5 | 8 | 6 | 6 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 7 | 2 | 2 | - | - | - | - | 1 | 1 |
| UA9 = 18 | 1* | 1* | 2* | 2* | 4 | 3 | 4 | 8 | 8 | 7 | 7 | 5 | 7 | 6 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 6 | 8 | 8 | 5 | 5* | 6* | 7 | 9 | 8 | 2* | - | - | - | - | - | - | - | - | - | - | 3* | 4* | 3* |
| 4X = 20 | 9+ | 9+ | 7 | - | 5* | 4* | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 1* | 4* | 3* | 5 | 5 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ |
| VU = 22 | 1* | 2* | 3* | 9 | 8 | 5 | 6 | 7 | 7 | 6 | 6 | 6 | 6 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 1 |
| JT = 23 | 2* | 2* | 2* | 8 | 7 | 4* | 4 | 7 | 8 | 7 | 7 | 5 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 8 | 9 | 8 | 7 | 5 | 2 | 4 | 5 | 5 | 6* | 6* | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 2* | 2* |
| JA1 = 25 | 8 | 8 | 6 | 6 | 5 | 6* | 7* | 8 | 8 | 7* | 6* | 5* | 4* | 3* | 2* | 2* | 1* | - | - | - | 1* | 4* | 4* | 3* |
| HS = 26 | 3* | 9 | 8 | 7 | 4 | 2 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2* |
| DU = 27 | 9 | 9 | 8 | 6 | 3 | 3* | 4 | 5 | 5 | 7* | 6* | 5* | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 1 | 2* | 4 |
| YB = 28 | 9 | 9 | 7 | 5 | 2 | 1 | 2 | 4 | 5 | 6 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 |
| VK6 = 29 | 6 | 4* | 5 | 5 | 4 | 4 | 5 | 7 | 5 | 5* | 4* | 4* | 3* | 2* | 2* | 3* | 5* | 6* | 5* | 3* | 3* | 5* | 5* | 5* |
| VK3 = 30 | 5 | 5 | 6 | 5 | 4 | 2 | 5 | 6 | 5 | 5 | 4 | 5* | 3* | 2* | 2* | 3* | 5* | 5* | 6* | 6* | 7* | 6* | 5 | 5 |
| KH6 = 31 | 8 | 9 | 9 | 8 | 9 | 8 | 7 | 5 | 5 | 4* | 2* | 4* | 2* | 2* | 2* | 1* | 2 | 6 | 6 | 8* | 7* | 6 | 7 | 7 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 8 | 6 | 5 | 4 | 5* | 5 | 5 | 6* | 8* | 7* | 6* | 5 | 5 |
| CN = 33 | 9+ | 9 | 7 | 5 | - | - | - | - | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| SU = 34 | 9+ | 9 | 8 | - | 5* | 3* | 3 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| 6W = 35 | 9 | 9 | 9 | 9+ | 9 | 5 | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 6 | 4* | 4* | 2* | 5 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 2 | - | - | 3* | 3* | 2* | 4 | 1 | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 |
| FR = 39 | 5 | 5 | 4 | 6 | 6 | 7 | 8 | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| FJL = 40 | - | - | 1* | 3* | 4* | 4* | 4* | 2* | - | 6 | 8 | 8 | 8 | 7 | 8 | 7 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Dec., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 1 | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 6 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 4 |
| W6 = 03 | 9 | 8 | 3 | 1* | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 3* | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| XE1 = 06 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 9 |
| TI = 07 | 9 | 8 | 8 | 8 | 6 | 5 | 2 | 1* | - | - | - | 3 | 9 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 5 | 6 | 5 | 2 | 5 | - | - | - | - | - | 9 | 9 | 9 | 8 | 6 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 6* | 5* |
| P4 = 09 | 5 | 5 | 4 | 2 | 4 | 2 | - | - | - | - | 2 | 9 | 9 | 6 | 5 | 5 | 6 | 9 | 9 | 9 | 8 | 7 | 5 | 5* |
| HC = 10 | 8 | 8 | 8 | 7 | 7 | 5 | 3 | 4* | 2* | - | - | 8 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9 | 9 | 8 | 7 | 5 | 3 | 5* | 3* | 2* | 1 | 5 | 5 | 5 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 8 | 8 | 5 | 6 | 4 | 2 | 5* | 2* | 2* | 3 | 4 | 2 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 3 | 8 | 5 | 2 | 1 | - | - |
| I = 15 | 2 | - | 2 | - | - | - | - | 3* | 7 | 9 | 9 | 8 | 5 | 5 | 6 | 9 | 9 | 9 | 8 | 5 | 1 | 1 | 2 | 3 |
| UA3 = 16 | - | - | - | - | - | 2* | 3* | 2* | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - |
| UN = 17 | - | 3* | 4* | 4* | 7 | 3 | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 4* | 2* | 2* | 2* | 2* | 2* | 3* | 8 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 3* | 4 | 5 | 3* | 3* | 3* | 4* | 9 | 4 | - | - | - | - | - | - | - | - | - | - | - | 6* | 4* | |
| 4X = 20 | 8 | 5 | - | - | 3* | 3* | 1* | 1 | 9 | 9 | 5 | 5 | 6 | 6 | 7 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 7 | 9 |
| HZ = 21 | 8 | 2 | - | 5* | 4* | 2* | 2 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 |
| VU = 22 | - | 4* | 4* | 6 | 6 | 2 | 4 | 5 | 7 | 6 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - |
| JT = 23 | 4* | 3* | 3* | 3 | 5 | 2* | 2* | 3* | 7 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5 | 9 | 7 | 6 | 3* | 2* | 2 | 4 | 6 | 5 | 6* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | - | 2* | 5* |
| JA1 = 25 | 4 | 6 | 4* | 5 | 4* | 4* | 4* | 5* | 7 | 7* | 7* | 6* | 5* | 3* | 1* | - | - | - | - | - | - | 5* | 5* | 4* |
| HS = 26 | 5* | 7 | 7 | 5 | 2 | 1 | 4 | 3 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | - | 3* |
| DU = 27 | 9 | 8 | 6 | 5 | 3* | 3* | 3 | 5 | 6 | 6 | 7* | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 2 | - | 4* | 5* |
| YB = 28 | 8 | 8 | 4 | 4 | 1* | - | 1 | 1 | 4 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 7 |
| VK6 = 29 | 5* | 4* | 3* | 2 | 1 | 1 | 3 | 4 | 1 | 6* | 5* | 5* | 3* | 2* | 2* | 4* | 5* | 3* | - | - | - | 1* | 4* | 5* |
| VK3 = 30 | 4* | 3* | 2 | 3 | 1 | 1 | 2 | 1 | 1 | 6* | 5* | 5* | 4* | 3* | 3* | 4* | 5* | 4* | 2* | 2* | 5* | 6* | 5* | 5* |
| KH6 = 31 | 7 | 8 | 8 | 7 | 8 | 5 | 2 | 2* | 5* | 5* | 5* | 4* | 3* | 3* | 1* | - | - | 7 | 8 | 8* | 8* | 7 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 8* | 8 | 8 | 8 | 5 | 4* | 4* | 2 | 5 | 5 | 7 | 8* | 6 | 6 | 6 | 6 |
| CN = 33 | 5 | 1 | - | - | - | - | - | - | - | 9 | 9 | 9 | 5 | 4 | 5 | 7 | 9 | 9+ | 8 | 6 | 4 | 2 | 4 | 5 |
| SU = 34 | 7 | 5 | 2 | - | 2* | 4* | 2* | 1* | 9 | 9 | 4 | 5 | 5 | 6 | 6 | 8 | 9 | 9 | 8 | 7 | 5 | 4 | 6 | 8 |
| 6W = 35 | 5 | 2 | 2 | 7 | 5 | - | - | - | 1 | 9 | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 8 | 8 | 4 | 2 | 4 | 5 |
| D2 = 36 | 9+ | 9+ | 9 | 9 | 7 | 5 | 8 | 3 | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 4 | 1 | 1 | 2* | 4* | 2* | 1 | - | 2 | - | - | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 |
| ZS6 = 38 | - | - | - | - | 2* | 1* | - | - | - | - | - | 5 | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 4 | 1 | - |
| FR = 39 | - | 1 | 2* | 1 | 2 | 2 | 5 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 |
| FJL = 40 | - | - | - | 1* | 1* | 2* | - | - | - | - | 7 | 8 | 8 | 7 | 7 | 1 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Dec., Ascension Island, for SSN = High, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 4 | 2 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 1 | 1 |
| W6 = 03 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 7 |
| W9 = 04 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 9 | 8 |
| W3 = 05 | 1* | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 4 |
| XE1 = 06 | 2 | 1* | - | - | - | - | - | - | - | - | - | - | - | 8 | 5 | 5 | 6 | 7 | 9 | 9 | 6 | 5 | 4* | 7 |
| TI = 07 | 6 | 6 | 5 | 3 | 3 | 2 | 1* | - | - | - | - | - | 7 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 5 |
| VP2 = 08 | - | - | - | - | 1 | - | - | - | - | - | 1 | 5 | 5 | 3 | 2 | 2 | 4 | 6 | 7 | 6 | 5* | 6* | 6* | 1* |
| P4 = 09 | - | - | - | - | 1 | - | - | - | - | - | - | 3 | 4 | 2 | 2 | 2 | 3 | 5 | 6 | 5 | 4* | 6* | 6* | 4* |
| HC = 10 | 5 | 5 | 4 | 2 | 4 | 3 | 1 | - | - | - | - | 8 | 4 | 3 | 3 | 4 | 5 | 5 | 6 | 7 | 7 | 7 | 6 | 5 |
| PY1 = 11 | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 4 | - | 6 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 7 | 5 | 6 | 2 | 3 | 1 | - | - | 1* | 1* | 1* | - | - | 1 | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| LU = 13 | 4 | 4 | 3 | 1* | 2 | 1 | - | - | 1* | 1* | 1* | 1* | 1* | - | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4* |
| G = 14 | - | - | - | - | - | - | - | - | 1 | 1 | 8 | 6 | 1 | 9 | 9 | 9 | 9 | 8 | 3 | 1 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | 1* | - | 5 | 2 | 2* | 1* | 1* | - | 1 | 3 | 3 | - | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | 1* | 1* | 1 | 9 | 8 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - |
| UN = 17 | - | 1* | 4* | 2* | 4 | 1* | 1 | - | 7 | 6 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 3* | 2* | 1* | 1* | 1* | 1* | 1* | 7 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 4* | 2* | 1 | 1* | 1* | 2* | 2* | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* | |
| 4X = 20 | 2 | - | - | - | 1* | 2* | 1* | - | 2 | 1 | 1* | 2 | 2 | 2 | 3 | 5 | 6 | 6 | 6 | 2 | - | - | 1 | 4 |
| HZ = 21 | 5 | - | - | 4* | 2* | 1* | - | 1 | 8 | 6 | 4 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | - | 4* | 4* | 2 | 4 | 1 | 2 | - | 6 | 3 | 2* | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - |
| JT = 23 | 4* | 4* | 3* | 2* | 2 | 1* | 2* | 2* | 4 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 8 | 4 | 4 | 2* | 2* | 1 | - | 2 | 1 | 5* | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 2 | - | 1* | 5* |
| JA1 = 25 | 4* | 4* | 3* | 2 | 2* | 2* | 1* | 2* | 1 | 4* | 6* | 6* | 5* | 3* | - | - | - | - | - | - | - | 5* | 5* | 5* |
| HS = 26 | 5* | 5* | 4* | 2 | 2* | 1* | 1 | - | 5 | 4 | 5 | 8 | 8 | 8 | 8 | 6 | 6 | 7 | 7 | 5 | 4 | 1 | - | 2* |
| DU = 27 | 7 | 6 | 5* | 2 | 2* | 2* | 1 | - | 2 | 1 | 6* | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | 4* | 5* |
| YB = 28 | 6 | 4 | 1* | 1 | 1* | - | 1 | - | - | 4 | 5 | 7 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 2 | 1 | 5 |
| VK6 = 29 | 4* | 4* | 2* | 1* | 1* | - | 1 | - | - | 2* | 5* | 4* | 3* | 3* | 3* | 4* | 1* | - | - | - | - | - | - | 3* |
| VK3 = 30 | 5* | 4* | 2* | 1 | - | - | 1 | - | - | 6* | 5* | 5* | 4* | 3* | 3* | 2* | 2* | 1* | - | - | 1* | 4* | 5* | 4* |
| KH6 = 31 | 4 | 5 | 5 | 2 | 5 | 1 | - | - | 1* | 2* | 3* | 5* | 3* | 2* | - | - | - | 7 | 8 | 7 | 7* | 6* | 4* | 3* |
| KH8 = 32 | 6 | 7 | 7 | 6 | 7 | 6 | 5 | 4 | 7* | 5* | 8 | 6 | 4* | 2* | 1* | - | 1 | 3 | 7 | 7 | 7 | 6 | 6 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | 2* | 3 | 1 | 1* | - | - | 1* | 2 | 2 | - | 1 | - | - | - | - |
| SU = 34 | 1 | - | - | - | - | 2* | 1* | - | 1 | - | 1* | 2* | 2 | 2 | 2 | 4 | 6 | 6 | 5 | 1 | - | - | 1 | 3 |
| 6W = 35 | - | - | - | 1 | - | - | - | - | - | 4 | 5 | 5 | 7 | 6 | 6 | 5 | 2 | 5* | 5* | 2 | - | - | - | - |
| D2 = 36 | 9 | 8 | 8 | 6 | 2 | 1 | 5 | - | - | - | - | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | - | 3* | 1* | - | - | - | - | 1* | 2 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 7 | 1 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | 1* | 1 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 2 | - | - | - | - |
| FR = 39 | - | - | 1* | - | 1* | - | 3 | - | 2 | 2 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 3 | - | - |
| FJL = 40 | - | - | - | - | - | 1* | - | - | - | - | - | 5 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jan., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 |
| W6 = 03 | - | - | 2 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| XE1 = 06 | - | 3 | 5 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 5 | 4 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| P4 = 09 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 |
| CE = 12 | 2 | 3 | 4 | 4 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| G = 14 | 4 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UN = 17 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA9 = 18 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 2 | 3 |
| HZ = 21 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| VU = 22 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 6 |
| SU = 34 | 3 | 3 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 3 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| FJL = 40 | 4 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jan., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | 1 | 2 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 |
| W6 = 03 | - | 2 | 5 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W3 = 05 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| XE1 = 06 | 3 | 6 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 7 | 8 | 7 | 8 | 8 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| P4 = 09 | 7 | 7 | 8 | 8 | 8 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| CE = 12 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| G = 14 | 7 | 6 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| UN = 17 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| UA9 = 18 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | 1 | 1 | 3 | 1 | - |
| 4X = 20 | 6 | 6 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 5 | 6 |
| HZ = 21 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 |
| VU = 22 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 |
| JT = 23 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 2 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - |
| VK3 = 30 | - | - | 5 | 4 | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 9 |
| SU = 34 | 6 | 6 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 6 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 |
| FJL = 40 | 7 | 7 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jan., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 7 | 7 | 7 | 8 | 7 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 3 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 |
| XE1 = 06 | 6 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 6 | 7 | 8 | 8 |
| UA9 = 18 | 7 | 8 | 8 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 5 | 6 | 6 | 7 |
| UA0 = 19 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 6 | 6 |
| 4X = 20 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 | 9 | 9 | 8 |
| VU = 22 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 6 | 7 | 7 | 7 |
| VR2 = 24 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 6 | 6 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 7 | 6 | 1 |
| HS = 26 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 7 | 6 | 4 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | 1 | - | - |
| KH6 = 31 | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jan., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 7 | 8 | 7 | 5 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 5 | 5 | 7 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 7 | 5 | 4 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| W9 = 04 | 8 | 8 | 8 | 9 | 8 | 9 | 8 | 7 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 |
| W3 = 05 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 5 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 |
| TI = 07 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 8 | 6 | 1 | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 | 6 | 1 | 1 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 9 | 7 | 5 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 5 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 7 | 5 | 5 | 1 | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 7 |
| UA9 = 18 | 6 | 5 | 6 | 7 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 6 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 | 6 |
| 4X = 20 | 9 | 9 | 8 | 8 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 7 | 5 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 5 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 5 | 6 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 7 | 7 | 5 |
| JA1 = 25 | 2 | 1 | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 5 | 6 | 6 |
| HS = 26 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 | 6 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 5 | 1 | - |
| KH6 = 31 | - | 1 | 5 | 7 | 8 | 8 | 8 | 6 | 7 | 4 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 4 | 1 | 8 | 7 | 4 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 8 | 4 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 8 | 5 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 3 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| FJL = 40 | 7 | 7 | 5 | 3 | 1 | - | - | 2 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 6 | 5 | 6 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jan., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 8 | 5 | 2* | 2* | 3 | - | 1 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 8 | 9 | 8 |
| VO2 = 02 | 9 | 8 | 6 | 6 | 8 | 8 | 1 | 1 | - | 2 | 8 | 7 | 4 | 2 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 9 | 8 | 6 | 4 | 5 | 2 | 7 | 6 | 1 | - | - | - | - | - | 1 | 2 | 2 | 3 | 5 | 6 | 8 | 8 |
| W9 = 04 | 9+ | 9 | 9 | 8 | 8 | 8 | 7 | 3 | 6 | 7 | - | 3 | 4 | 2 | 1 | 1 | 1 | 4 | 4 | 5 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 8 | 7 | 6 | 7 | 8 | 5 | 1 | 4 | - | 3 | 7 | 5 | 2 | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 8 | - | 3 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 3 | 6 | 8 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9 | 9 | 9 | 9 | 7 | 5 | 4 | - | - | 7 | 5 | 2 | 3 | 1 | 2 | 5 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1* | 1* | 1 | 9 | 8 | 7 | 4 | 3 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | 1* | - | 9 | 8 | 6 | 4 | 3 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | - | 7 | 7 | 5 | 2 | 2 | 1 | 2 | 2 | 5 | 8 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 7 | 6 | 4 | 2 | 2 | 2 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 8 | 8 | 9 | 6 | - | - | 8 | 9 | 8 | 6 | 3 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| I = 15 | 9+ | 9+ | 9 | 9 | 2 | - | 2* | 9 | 9 | 7 | 5 | 3 | 2 | 2 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 7 | 7 | 6 | 4 | 2* | 5 | 5 | 9 | 8 | 5 | 2 | 1 | 1 | 2 | 2 | 5 | 8 | 8 | 8 | 8 | 7 | 5 | 5 | 5 |
| UN = 17 | 8 | 6 | 6 | 8 | 9 | 6 | 5 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 3 | 5 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 |
| UA9 = 18 | - | - | 1* | 5 | 8 | 4 | 3 | 6 | 5 | 5 | 1 | 1 | 1 | 1 | 2 | - | - | - | - | 2 | 5 | 6 | 6 | 2 |
| UA0 = 19 | 7 | 8 | 6 | 7 | 7 | 4 | 4* | 7 | 6* | 5 | 2 | - | - | - | - | - | - | 4 | 5 | 5 | 4 | 2* | 2* | 2* |
| 4X = 20 | 9 | 8 | 8 | 1 | 1* | 4 | 5 | 8 | 7 | 5 | 3 | 2 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 8 | 3 | 1* | 7 | 5 | 5 | 7 | 5 | 2 | 3 | 3 | 3 | 3 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 3 | - | 5 | 9 | 8 | 5 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| JT = 23 | 1* | 1 | 8 | 8 | 8 | 3 | 3 | 5 | 7 | 2* | 1 | 1 | 1 | 1 | - | - | - | - | 1 | 4 | 6 | 6 | 3 | 1* |
| VR2 = 24 | 8 | 8 | 8 | 5 | 2 | - | 1* | 2* | 3* | 3* | 1* | - | - | - | 1 | 3 | 7 | 9 | 9 | 9 | 9 | 8 | 1 | 1 |
| JA1 = 25 | 8 | 6 | 4 | 4 | 5 | 4* | 5* | 6* | 6* | 5* | 2* | 1* | - | - | - | - | 1 | 3 | 5 | 5 | 2* | 2* | 2 | 8 |
| HS = 26 | 6 | 9 | 8 | 7 | 4 | 1 | 1 | 1 | 1 | 1* | 1 | - | - | - | 2 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |
| DU = 27 | 8 | 8 | 5 | 2 | - | - | 1* | 2* | 4* | 4* | 2* | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 7 | 1 | 7 |
| YB = 28 | 9 | 9 | 8 | 5 | 1 | - | - | - | 1* | 2* | 1 | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 7 | 5 | 2 | 1 | 1 | 4 | 3 | 1 | 1 | - | 1 | 1 | 2 | 5 | 7 | 8 | 6 | 4 | 5 | 4 | 5 | 8 |
| VK3 = 30 | 6 | 5 | 4 | 3 | 2 | 2 | 2 | 3 | 8 | 2 | 2 | 1 | 1 | 1 | - | 1 | 4 | 4 | 5 | 7 | 8 | 8 | 8 | 6 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 6 | 2 | 1 | - | - | - | - | - | 1 | 8 | 6* | 4* | 2* | 1 | 2 |
| KH8 = 32 | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 1 | - | - | 1* | 3* | 2* | 8 | 7* | 6* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 2 | 1* | 4 | 5 | 9 | 8 | 6 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 7 | 2 | 2 | 4 | 9 | 9 | 8 | 5 | 4 | 3 | 3 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 8 | 4 | 3 | 1* | 1* | 2 | 7 | 9 | 9 | 8 | 8 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 6 | 8 | 8 | 7 | 8 | 6 | 5 | 5 | 3 | 1 | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | - | 1* | 1* | 1* | 1* | 1* | 2* | 4* | 4 | 7 | 5 | 3 | 1 | 1 | 2 | 5 | 8 | 2 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jan., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 5 | 1 | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 4 | 1 | - | - | 2 | 4 | - | - | - | - | 1 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 4 |
| W6 = 03 | 9 | 9 | 7 | 3 | - | - | - | - | 2 | 3 | - | - | - | - | 2 | 5 | 8 | 5 | 6 | 7 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9 | 8 | 5 | 1 | 1 | 2 | 1 | - | - | 1 | - | - | 6 | 7 | 6 | 5 | 9 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 6 | 2 | 1 | - | - | 4 | - | - | - | - | - | 6 | 9 | 7 | 6 | 6 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| XE1 = 06 | 9 | 8 | 7 | 6 | 7 | 6 | 4 | - | - | 3 | - | - | 7 | 7 | 8 | 7 | 9 | 5 | 7 | 8 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | 1* | 1* | - | - | 7 | 8 | 8 | 7 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | 9+ | 9 | 8 | 7 | 6 | 7 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 9 | 8 | 5 | - | - | - | - | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 3* | 1* | - | - | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 5 | 5* | 4* | 2* | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 8 | 6 | 4 | 5* | 3* | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | 1 | 1 | 2 | - | - | - | - | 9 | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 9 | 9 | 8 | 9 | 8 | 5 | 2 | 1 |
| I = 15 | 8 | 7 | 6 | 2 | - | - | - | 3* | 9 | 9 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | - | - | - | - | 1* | 4* | 2* | 4 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 6 | 4 | 1 | - | - | - | - |
| UN = 17 | 2 | 2* | 1 | 6 | 8 | 3 | 2 | 7 | 6 | 5 | 9 | 6 | 6 | 7 | 8 | 8 | 3 | 1 | - | - | - | 2 | 5 | 5 |
| UA9 = 18 | 2* | 1* | 1* | 1* | 6 | 2* | 2* | 4 | 8 | 7 | 7 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1 | 8 | 8 | 8 | 6 | 3* | 3* | 6 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 1* | 3* | 2* |
| 4X = 20 | 9 | 7 | 2 | - | 5* | 2* | 1* | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| HZ = 21 | 7 | 4 | - | 4* | 2* | 1* | 2 | 8 | 8 | 7 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | - | 1* | 2* | 8 | 7 | 1 | 4 | 6 | 6 | 9 | 9 | 5 | 5 | 7 | 8 | 9 | 8 | 9 | 8 | 3 | 4 | 3 | 3 | - |
| JT = 23 | 2* | 1* | 2 | 8 | 6 | 2* | 2* | 7 | 7 | 5 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 6 | 9 | 8 | 5 | 2 | 2* | 1 | 4 | 6 | 6 | 6* | 5* | 5 | 5 | 6 | 8 | 9 | 8 | 8 | 8 | 8 | 4 | 2* | 2* |
| JA1 = 25 | 9 | 7 | 6 | 6 | 4 | 4* | 5* | 6 | 7* | 7* | 7* | 5* | 4* | 1* | - | - | - | - | - | - | - | 5* | 3* | 2 |
| HS = 26 | 2* | 8 | 8 | 5 | 1 | 1* | 2 | 5 | 8 | 8 | 5 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 2* |
| DU = 27 | 9 | 8 | 7 | 5 | 2* | 2* | 2 | 6 | 6 | 7 | 6* | 5* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | 3* | 2 |
| YB = 28 | 9 | 8 | 5 | 4 | 1 | - | 1 | 4 | 8 | 8 | 5 | 5 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VK6 = 29 | 4* | 8 | 4 | 5 | 2 | 1 | 4 | 6 | 7 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4* | 5* | 2* | - | 1* | 4* | 4* |
| VK3 = 30 | 8 | 7 | 5 | 5 | 3 | 1 | 2 | 5 | 7 | 7 | 6 | 5 | 3 | 1 | 1* | 2* | 4* | 5* | 4* | 5* | 5* | 6 | 8 | 8 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 8 | 3 | 3* | 2* | 5* | 5* | 2* | 1* | 2* | 1* | - | 2 | 6 | 6 | 8* | 7* | 6 | 6 | 6 |
| KH8 = 32 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 9 | 9 | 8 | 6 | 4 | 3* | 2 | 3 | 6 | 6 | 8* | 8* | 7* | 5* | 4 |
| CN = 33 | 9+ | 8 | 6 | 6 | - | - | - | - | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 8 | 4 | - | 4* | 2* | 1* | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 2 | - | 1 | 5* | 3* | 1* | 3 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 |
| ZS6 = 38 | - | - | - | 2* | 2* | 1* | - | 1 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 |
| FR = 39 | 1 | 2 | 2* | 2 | 5 | 4 | 7 | 9 | 8 | 8 | 8 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 |
| FJL = 40 | - | - | 2* | 4* | 2* | 2* | 2* | 3* | 1* | 6 | 8 | 6 | 7 | 7 | 7 | 6 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jan., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 7 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 5* | 1* |
| W6 = 03 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| W3 = 05 | 2* | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| XE1 = 06 | 8 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | 4 | 8 | 6 | 7 | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 7 | 6 | 4 | 6 | 3 | 1* | - | - | - | - | 3 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 7 | 6 | 5 | 1 | 3 | - | - | - | - | - | 7 | 9+ | 8 | 6 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 |
| P4 = 09 | 7 | 6 | 5 | 2 | 4 | - | - | - | - | - | - | 9 | 8 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 |
| HC = 10 | 9 | 9 | 8 | 7 | 6 | 4 | 1* | 1* | - | - | - | 9 | 8 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 7 | 2 | 4 | 2 | - | 4* | 2* | 1* | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 8 | 6 | 3 | 1* | 2 | 1 | - | 3* | 1* | 1* | 4 | 9 | 6 | 7 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 8 | 9 | 6 | 2 | - | - | - |
| I = 15 | 3 | 1 | 1 | - | - | - | - | 1* | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 5 |
| UA3 = 16 | - | - | - | - | - | 1* | 1* | 1* | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | - | - | - | - | - | - | - |
| UN = 17 | - | 2* | 2* | 1 | 5 | 1* | 1 | 5 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 5 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 2* | 2* | 1* | 2 | 1* | 1* | 1* | 8 | 8 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 4 | 5 | 6 | 2 | 1* | 1* | 3* | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* |
| 4X = 20 | 5 | 1 | - | - | 2* | 1* | - | 1 | 9 | 9 | 8 | 5 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 8 |
| HZ = 21 | 2 | - | - | 4* | 1* | 1* | - | 7 | 8 | 8 | 9 | 8 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 |
| VU = 22 | - | 3* | 2* | 6 | 3 | - | 1 | 5 | 7 | 6 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 7 | 1 | - | - | - | - | - |
| JT = 23 | 4* | 2* | 2* | 7 | 2 | 1* | 1* | 2* | 7 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 4* | 8 | 4 | 3 | 1* | 1* | 1 | 4 | 5 | 5 | 6* | 5 | 6 | 6 | 7 | 8 | 8 | 7 | 4 | 3 | 3 | - | - | 4* |
| JA1 = 25 | 7 | 4 | 2 | 4 | 2* | 2* | 2* | 2* | 7 | 7* | 6* | 5* | 2* | - | - | - | - | - | - | - | - | 5* | 5* | 4* |
| HS = 26 | 4* | 6 | 3* | 2 | 1* | - | 2 | 2 | 5 | 6 | 6 | 6 | 4 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | - | 2* |
| DU = 27 | 8 | 6 | 3* | 2 | 1* | 1* | 1 | 5 | 6 | 5 | 6* | 5 | 6 | 6 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | 2* | 4* |
| YB = 28 | 7 | 4* | 3* | 1 | - | - | - | 1 | 5 | 5 | 8 | 6 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | 6 |
| VK6 = 29 | 4* | 4* | 2* | 1 | - | - | - | - | 3 | 5* | 5* | 4* | 2 | 2* | 2* | 2* | 4* | 2* | - | - | - | - | 1* | 6* |
| VK3 = 30 | 6 | 3 | 2* | 2 | 1 | - | - | - | 6 | 6* | 4* | 4* | 3* | 2* | 2* | 2* | 2* | 2* | 1* | 1* | 3* | 6* | 5* | 5 |
| KH6 = 31 | 7 | 8 | 7 | 7 | 7 | 4 | - | 1* | 4* | 5* | 4* | 3* | 1* | - | - | - | - | 6 | 6 | 7 | 7* | 6 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 7 | 5 | 6 | 6 | 5 | 4 | 7* | 7 | 9 | 8 | 5 | 3* | 1* | - | - | 4 | 6 | 7* | 8* | 7* | 5 | 5 |
| CN = 33 | 6 | 2 | - | 1 | - | - | - | - | 1 | 9+ | 9 | 9 | 6 | 4 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 |
| SU = 34 | 7 | 2 | - | - | 1* | 2* | 1* | - | 9 | 9 | 8 | 5 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9 |
| 6W = 35 | 9 | 9 | 8 | 9 | 8 | - | - | - | 6 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ |
| D2 = 36 | 9 | 8 | 9 | 7 | 3 | 1* | 5 | 5 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 2* | 2* | 1* | - | - | 6 | 4 | 3 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - |
| ZS6 = 38 | - | - | - | - | 2* | 1* | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - |
| FR = 39 | - | - | 3* | 1* | 1 | - | 4 | 6 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - |
| FJL = 40 | - | - | - | 1* | 2* | - | - | - | - | - | 6 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jan., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 5 | 3 | 1 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 4* | - | - |
| W6 = 03 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| W9 = 04 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 6 | 2 |
| XE1 = 06 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | - | 5 | 6 | 7 | 9 | 9 | 8 | 8 | 6 | 8 |
| TI = 07 | 6 | - | 1 | - | 1 | - | - | - | - | - | - | - | 8 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9 | 5 | 2 | 2 | 3 | 4 | 6 | 8 | 8 | 7 | 4 | 3* | 2* |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 9 | 4 | 1 | 1 | 2 | 3 | 6 | 7 | 8 | 7 | 5 | 2 | 1* |
| HC = 10 | 5 | 5 | 3 | 1 | 2 | - | - | - | - | - | - | 3 | 5 | 4 | 4 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 6 |
| PY1 = 11 | 9 | 9 | 7 | 2 | 6 | 4 | 1 | - | - | 2 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| LU = 13 | 2* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 5 | 5* |
| G = 14 | - | - | - | - | - | - | - | - | 1 | 1 | 8 | 7 | 5 | 1 | 1 | 1 | 1 | 8 | 2 | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 1 | 7 | 5 | 1 | 1* | 1* | - | 2 | 7 | 9+ | 9 | 7 | 5 | 2 | 1 | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 4 | 9 | 8 | 8 | 7 | 7 | 7 | 6 | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | 1* | - | 1 | - | - | - | 8 | 8 | 8 | 7 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 1* | - | - | - | - | - | - | 8 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | - | 1 | 2 | - | - | - | - | 8 | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 4* |
| 4X = 20 | - | - | - | - | - | - | - | - | 6 | 5 | 1* | 2 | 2 | 3 | 4 | 6 | 8 | 8 | 7 | 6 | 9 | 9 | 6 | 2 |
| HZ = 21 | - | - | - | 1* | 1* | - | - | - | 8 | 8 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 1 |
| VU = 22 | - | 1* | 1* | 1 | - | - | - | - | 7 | 6 | 2 | 5 | 7 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | - | - |
| JT = 23 | 3* | 1* | - | 3 | - | - | - | - | 6 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 3* | 2 | 1* | - | - | - | - | - | 4 | 3 | 3* | 6 | 8 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | 5* |
| JA1 = 25 | 2* | 1* | - | 1 | - | - | - | - | - | 3* | 4* | 1* | - | - | - | - | - | - | - | - | - | 1* | 5* | 4* |
| HS = 26 | 4* | 3* | 2* | - | - | - | - | - | 1 | 5 | 6 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 1 | - | 1* |
| DU = 27 | 6 | 3* | 2* | - | 1* | - | - | - | 4 | 3 | 5* | 6 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | 2* | 5* |
| YB = 28 | 3 | 1* | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | 1 |
| VK6 = 29 | 3* | 2* | 1* | - | - | - | - | - | - | - | 4* | 3* | 2* | 1* | 1* | 1* | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | 4* | 2* | 1* | 1* | - | - | - | - | - | 5* | 3* | 3* | 2* | 2* | 1* | 1* | 1* | - | - | - | - | 2* | 4* | 4* |
| KH6 = 31 | 3 | 3 | 1 | - | 3 | - | - | - | 3* | 5* | 3* | 2* | - | - | - | - | - | 5 | 8 | 7 | 7 | 7 | 5 | 4 |
| KH8 = 32 | 5 | 4 | 2 | 1* | 2 | 2 | 1 | - | 7* | 7* | 7 | 5 | 2* | 1* | - | - | - | - | 5 | 7 | 7 | 6 | 5 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | 3 | 5 | 1 | - | - | - | 1 | 6 | 8 | 6 | 5 | 2 | 1 | 1 | 2 |
| SU = 34 | - | - | - | - | - | - | - | - | 4 | 4 | 1* | 2* | 2 | 2 | 4 | 5 | 7 | 8 | 7 | 5 | 5 | 5 | 8 | 5 |
| 6W = 35 | 6 | 2 | 1 | 6 | 2 | - | - | - | - | 8 | 9 | 6 | 7 | 7 | 7 | 6 | 5 | 6 | 5 | 7 | 5 | 4 | 5 | 8 |
| D2 = 36 | 5 | 1 | 5 | 1 | - | - | - | - | 2 | 3 | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| 5Z = 37 | - | - | - | - | 1* | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 1 | 5 | 6 | 6 | 5 | 5 | 5 | 3 | 1 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 4 | 2 | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 5 | 2 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jan., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 6 | 5 | 4 | 3* | 1 | - | - | - |
| W6 = 03 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 6 | 5 | 3 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 6 | 7 | 7 | 6 | 4 | 5 | 2 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | 2 | 2 | 5 | 8 | 8 | 5 | 2 | 1 | 4 |
| TI = 07 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 7 | 6 | 4 | 1 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9 | 1 | - | 1* | 2* | 2* | 3* | 5* | 4 | 2* | 1* | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 5 | 1 | - | 1* | 2* | 2* | 3* | 4* | 3 | 2* | 2* | - | - |
| HC = 10 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 1 | 3* | 2* | 4 | 5 | 6 | 6 | 5 | 4 | 1 |
| PY1 = 11 | 5 | 3 | 1 | - | 1 | - | - | - | - | - | 2 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 8 | 5 | 3* | 1* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 7 | 7 | 5 | 3* | 2* | 1* |
| G = 14 | - | - | - | - | - | - | - | - | - | 5 | 9 | 2 | 8 | 6 | 5 | 7 | 6 | 2 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 1 | 2* | 1* | - | - | - | - | - | 9 | 5 | 2 | 1 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | 7 | 7 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 1 | 8 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | 1 | 1 | 4 | 4 | 2 | - | 5 | 2 | 1 | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 3 | 3 | - | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 7 | 5 | 2 | 2 | 1 | - |
| VU = 22 | - | - | - | - | - | - | - | - | 1 | - | - | 3 | 5 | 8 | 8 | 3 | 1 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 2* | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 6 | 4 | 4 | 2 | - | - | - | - | - | - | 3* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 2* |
| HS = 26 | 1* | 1* | - | - | - | - | - | - | - | - | - | 6 | 5 | 4 | 2 | 4 | 3 | 2 | 1 | 1 | - | - | - | - |
| DU = 27 | 2 | 1* | - | - | - | - | - | - | - | - | - | 5 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | 1* | 3* |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | 1* | 8 | 6 | 7 | 7 | 6 | 6 | 4 | 2 | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 2* | 1* | - | - | - | - | - | - | - | 2* | 2* | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | 1 | 7 | 6 | 5 | 4 | 2 | - |
| KH8 = 32 | 1 | - | - | - | - | - | - | - | 2* | 2* | 4 | 2 | - | - | - | - | - | - | 1 | 7 | 7 | 6 | 2 | 2 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 1 | 2 | 3 | 1 | - | - | - | 3 | - |
| 6W = 35 | 1 | - | - | 1 | - | - | - | - | - | 1 | 3 | 1* | 1* | 1 | 1 | 1 | 2* | 4* | 2* | 1 | - | - | - | 2 |
| D2 = 36 | - | - | - | - | - | - | - | - | - | - | - | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 4 | 3 | 3 | 1 | 2 | 2 | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | 1 | 1 | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | 7 | 6 | 7 | 6 | 5 | 3 | 2 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Feb., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| W6 = 03 | - | - | - | 2 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 4 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 2 | 4 | 4 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | - | 4 | 3 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| P4 = 09 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 |
| CE = 12 | 2 | 3 | 4 | 4 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| G = 14 | 4 | 4 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UN = 17 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 4 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 4 | 3 |
| HZ = 21 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 3 |
| VU = 22 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK3 = 30 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 6 |
| SU = 34 | 3 | 3 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| FJL = 40 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Feb., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | 1 | 1 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| W6 = 03 | - | 1 | 3 | 5 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| XE1 = 06 | 2 | 5 | 7 | 7 | 8 | 8 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 7 | 6 | 7 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 7 | 7 | 7 | 8 | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| P4 = 09 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| CE = 12 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| G = 14 | 7 | 7 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| UN = 17 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 7 |
| UA9 = 18 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 1 | 1 | 1 | - | - |
| 4X = 20 | 5 | 5 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 5 | 7 | 6 |
| HZ = 21 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 6 |
| VU = 22 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 2 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 4 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 5 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 1 | - |
| VK3 = 30 | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 9 |
| SU = 34 | 6 | 6 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 5 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 |
| FJL = 40 | 7 | 7 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Feb., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 7 | 7 | 8 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 |
| W6 = 03 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| XE1 = 06 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| TI = 07 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 6 | 7 | 7 | 7 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 7 | 6 | 5 |
| 4X = 20 | 8 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 9 | 9 | 8 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 6 | 8 | 7 | 8 |
| JT = 23 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 7 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 6 | 6 | 6 | 7 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 6 | 5 | 1 |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 6 | 4 |
| YB = 28 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 7 | 8 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 1 | - | - |
| KH6 = 31 | - | - | - | 2 | 6 | 7 | 7 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 9 | 9 | 8 | 8 | 7 | 6 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Feb., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 7 | 7 | 8 | 7 | 6 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | 2 | 2 | 2 | 3 | 4 | 5 |
| VO2 = 02 | 9 | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 |
| W9 = 04 | 8 | 9 | 9 | 8 | 8 | 9 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 8 | 6 | 2 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 | 6 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 3 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 5 | 7 | 7 | 4 | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 5 | 6 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 8 | 8 | 7 |
| UA0 = 19 | 5 | 2 | 2 | 1 | 1 | - | 1 | 1* | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 7 | 6 | 6 |
| 4X = 20 | 9 | 9 | 9 | 6 | 4 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 6 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 6 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 5 | 6 | 6 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 6 | 6 | 6 | 4 |
| HS = 26 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 7 | 6 | 6 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 7 | 7 |
| VK3 = 30 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 5 | 1 |
| KH6 = 31 | - | 1 | 4 | 6 | 7 | 8 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9+ | 9 | 8 | 3 | 9 | 6 | 4 | 1 | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 5 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | 2 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 7 | 6 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| FR = 39 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| FJL = 40 | 6 | 5 | 4 | 1 | - | 1* | 4 | 6 | 5 | 1 | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 7 | 7 | 6 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Feb., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 8 | 9 | 9 | 8 | 6 | 1 | 2* | 2* | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 9 | 8 | 5 | 5 | 1 | 5 | 8 | 7 | 4 | 2 | 1 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 5 | 8 | 6 | 1 | - | - | - | - | - | 1 | 2 | 1 | 2 | 2 | 4 | 7 | 9 |
| W9 = 04 | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 6 | 8 | 8 | 1 | 5 | 5 | 1 | - | 1 | - | 4 | 4 | 6 | 7 | 9 | 9 | 9 |
| W3 = 05 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | 6 | 2 | 6 | 7 | 5 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | - | 2 | 4 | 2 | - | - | - | 1 | 2 | 3 | 5 | 8 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9 | 9+ | 9 | 9 | 9 | 7 | 5 | 1 | - | 7 | 5 | 2 | 2 | 2 | 1 | 1 | 3 | 5 | 7 | 8 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 1* | 1 | 9 | 8 | 6 | 5 | 3 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | 9 | 8 | 7 | 5 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 6 | - | 7 | 7 | 4 | 3 | 2 | 1 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 1 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 2 | 1 | 1 | 2 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 3 | 1 | 9 | 9 | 8 | 5 | 2 | - | 1 | 1 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 9 | 5 | 1* | 2 | 9 | 9 | 7 | 5 | 2 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 7 | 7 | 7 | 5 | 2 | 7 | 5 | 9 | 7 | 4 | 1 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 7 |
| UN = 17 | 8 | 7 | 8 | 9 | 8 | 6 | 5 | 4 | 2 | 1 | - | - | 1 | 1 | 2 | 5 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 |
| UA9 = 18 | - | - | 1 | 8 | 8 | 5 | 3 | 5 | 4 | 3 | 1 | 1 | - | 1 | 2 | 5 | 6 | 3 | 1 | 1 | 2 | 5 | 5 | 2 |
| UA0 = 19 | 8 | 7 | 7 | 6 | 4 | 5 | 4 | 5 | 5* | 4* | 2* | 1 | - | - | - | - | - | 2 | 4 | 4 | 2 | 2* | 2* | 6 |
| 4X = 20 | 9 | 9 | 9 | 5 | 1* | 5 | 5 | 8 | 7 | 4 | 3 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 7 | 1 | 7 | 5 | 5 | 7 | 4 | 2 | 2 | 2 | 2 | 4 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 7 | - | 5 | 9 | 8 | 5 | 4 | 2 | 1 | - | - | - | 1 | 1 | 3 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 1* | 6 | 8 | 8 | 6 | 3 | 2 | 4 | 3 | 1 | 1 | - | - | 1 | 2 | 3 | 2 | 1 | 1 | 2 | 5 | 5 | 3 | 1 |
| VR2 = 24 | 8 | 7 | 6 | 4 | 1 | - | - | 1* | 2* | 3* | 2* | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 8 | 1 | 1* |
| JA1 = 25 | 8 | 5 | 4 | 3 | 2 | 2* | 5* | 6* | 6* | 5* | 2* | 1* | - | - | - | - | 4 | 5 | 7 | 6 | 3* | 2* | 8 | 8 |
| HS = 26 | 6 | 9 | 8 | 7 | 4 | 1 | - | 1 | 1* | 1* | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| DU = 27 | 8 | 8 | 5 | 2 | - | - | 1* | 3* | 4* | 4* | 2* | 1* | - | - | 1 | 3 | 7 | 8 | 8 | 9 | 9 | 8 | 1 | 6 |
| YB = 28 | 9 | 8 | 7 | 5 | 1 | - | - | - | 2* | 1* | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 8 | 8 | 7 | 5 | 2 | 1 | 2 | 3 | 1 | 1 | 1 | - | - | 1 | 2 | 5 | 6 | 6 | 6 | 4 | 3 | 2 | 1 | 2 |
| VK3 = 30 | 6 | 5 | 4 | 3 | 2 | 2 | 3 | 6 | 7 | 4 | 2 | 1 | 1 | - | - | - | 1 | 4* | 2* | 3* | 6 | 8 | 8 | 8 |
| KH6 = 31 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 6 | 2 | - | - | - | - | - | 1 | 8 | 6* | 4* | 1 | 1 | 1 |
| KH8 = 32 | 1 | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | 5* | 4* | 7 | 6* | 6* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | - | 3 | 9 | 9 | 7 | 6 | 5 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 7 | 1* | 5 | 5 | 8 | 8 | 6 | 3 | 2 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 8 | 1 | 1 | 3 | 9 | 9 | 8 | 5 | 3 | 2 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 6 | 1 | 2 | - | 1* | 1 | 7 | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 6 | 7 | 8 | 7 | 8 | 6 | 3 | 2 | 1 | 1 | 2 | 3 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 1* | - | 1* | 1* | 1* | 2* | 2* | 2* | 8 | 7 | 4 | 2 | 1 | 1 | 1 | 4 | 6 | 8 | 6 | 5 | 1 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Feb., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 7 | 5 | 2 | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 6 | 2 | 2 | 2 | 6 | 5 | - | - | - | - | 7 | 8 | 8 | 6 | 7 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 |
| W6 = 03 | 9 | 9 | 9 | 6 | 2 | - | 1 | - | 4 | 4 | - | - | - | - | 3 | 2 | 8 | 4 | 5 | 6 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9+ | 9 | 7 | 5 | 4 | 3 | 5 | 1 | 5 | 3 | - | 1 | 7 | 6 | 5 | 5 | 9 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 8 | 5 | 2 | 2 | 3 | 5 | 2 | - | 1 | - | - | 8 | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 2 | 1* | 4 | - | - | 7 | 7 | 6 | 4 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9 | 9 | 9 | 9 | 6 | 2* | 1 | 1* | - | 5 | 8 | 8 | 5 | 5 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 1 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 1* | 1* | - | 7 | 9 | 9 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 3 | 3* | 1* | - | 7 | 8 | 5 | 6 | 5 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 2 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5* | 4* | 2 | 9 | 8 | 8 | 8 | 7 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 5 | 5* | 4 | 7 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 3 | 2 | 4 | 5 | 2 | - | - | - | 9 | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9+ | 8 | 6 | 5 |
| I = 15 | 9 | 9 | 8 | 6 | - | - | 2* | 5 | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 1 | 1 | 1 | - | 3* | 2 | 1 | 7 | 9 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | 1 |
| UN = 17 | 4 | 3 | 3 | 8 | 9 | 2 | 2 | 8 | 6 | 6 | 9 | 6 | 6 | 6 | 8 | 8 | 8 | 5 | 2 | 1 | 1 | 3 | 5 | 5 |
| UA9 = 18 | 1* | 1* | 1* | 1 | 8 | 1 | 1* | 6 | 7 | 7 | 7 | 6 | 5 | 4 | 6 | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 6 | 8 | 7 | 6 | 7 | 2 | 3* | 7 | 7 | 6 | 7 | 1 | - | - | - | - | - | - | - | - | - | 4* | 3* | 1* |
| 4X = 20 | 9 | 9+ | 8 | 1* | 2* | 2* | 1* | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 8 | 2 | 2* | 2* | 1* | 2 | 8 | 8 | 6 | 7 | 7 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 1 | - | 1* | 9 | 8 | 1 | 3 | 5 | 4 | 3 | 9 | 5 | 4 | 5 | 5 | 9 | 8 | 9 | 9 | 8 | 8 | 7 | 7 | 5 |
| JT = 23 | 1* | 1* | 6 | 9 | 8 | 1 | 1 | 6 | 7 | 5 | 8 | 5 | 5 | 6 | 1 | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5 | 9 | 8 | 7 | 2 | 2* | 2* | 6 | 5 | 6* | 8 | 5* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 5 | 1* | 2* |
| JA1 = 25 | 8 | 7 | 6 | 5 | 6 | 4* | 4* | 6 | 8* | 8* | 7* | 5* | 4* | 2* | 1* | 1* | - | - | 1 | - | - | 4* | 2* | 8 |
| HS = 26 | 1 | 8 | 8 | 6 | 2 | 1* | 2 | 5 | 8 | 8 | 8 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 1 |
| DU = 27 | 9 | 8 | 8 | 6 | 3* | 3* | 2 | 7 | 5 | 7* | 8 | 5* | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 2 | 2* | 2* |
| YB = 28 | 9 | 7 | 3* | 4 | 1* | - | 2 | 2 | 8 | 8 | 4 | 4* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 |
| VK6 = 29 | 4 | 5 | 2 | 5 | 2 | 1 | 4 | 6 | 7 | 7 | 8 | 4 | 5 | 5 | 4 | 1 | 3* | 3* | 3* | - | - | - | 2* | 1* |
| VK3 = 30 | 8 | 6 | 4 | 4 | 2 | 2* | 2 | 6 | 7 | 7 | 7 | 5 | 2* | 1* | 1* | 2* | 3* | 3* | 2* | 2* | 5* | 3* | 7 | 8 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2* | 3* | 5 | 4* | 3* | 2* | 1* | 2* | - | 5 | 6 | 6 | 7* | 7* | 5 | 5 | 6 |
| KH8 = 32 | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 6 | 4 | 4* | 5* | 3* | 5 | 5 | 8* | 8* | 7* | 5* | 4 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 1 | 4* | 2* | 1* | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 3 | - | 1 | 4* | 5* | 2* | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 5* | 3* | 1 | 7 | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 |
| FR = 39 | 1 | 3 | 2* | 4* | 3 | 3 | 7 | 8 | 7 | 8 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 |
| FJL = 40 | - | 1* | 1* | 1* | 1* | 1* | 1* | 2* | 5* | 8 | 8 | 8 | 5 | 4 | 5 | 8 | 8 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Feb., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 7 |
| VO2 = 02 | 1 | - | - | - | 1 | - | - | - | - | - | - | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 2 |
| W6 = 03 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 5 | 2 | - | - | - | 1 | - | 1 | - | - | - | 5 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| W3 = 05 | 5 | - | - | - | - | 1 | - | - | - | - | - | 6 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 9+ | 8 | 6 | 4 | 2 | 2 | 3 | - | - | - | - | - | 2 | 8 | 7 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | 1* | - | - | - | 1 | 8 | 9 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 7 | 4 | 3 | - | - | - | - | 6 | 9+ | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| P4 = 09 | 9 | 9+ | 9 | 9 | 7 | 4 | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| HC = 10 | 9+ | 9 | 9 | 8 | 9 | 7 | 3 | 4* | 1* | - | - | 7 | 8 | 9 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | 9+ | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 7 | 6 | 4 | 1 | 4* | 1* | 1* | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 8 | 2 | 3 | 1 | - | 4* | 1* | - | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | 1 | - | - | - | - | 1 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 3 | 1 | - |
| I = 15 | 5 | 5 | 5 | 1 | - | - | - | 1* | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 |
| UA3 = 16 | - | - | - | - | 1* | 1* | - | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | 5 | 1 | - | - | - | - |
| UN = 17 | - | 3* | 2* | 5 | 7 | 1* | 1 | 7 | 6 | 7 | 8 | 7 | 7 | 7 | 8 | 8 | 5 | 1 | - | - | - | - | - | 1 |
| UA9 = 18 | 2* | 2* | 2* | 1* | 6 | - | - | - | 7 | 8 | 7 | 6 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 7 | 8 | 8 | 6 | - | - | 3 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 1* | 5* | 3* |
| 4X = 20 | 9 | 8 | 4 | - | 3* | 1* | - | 5 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ |
| HZ = 21 | 8 | 6 | - | 5* | 2* | 1* | - | 3 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | - | 3* | 2* | 7 | 5 | 1* | 1 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 7 | 3 | 2 | 1 | 1 | - |
| JT = 23 | 2* | 2* | 2* | 8 | 5 | 1* | 1* | 3 | 7 | 6 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3* |
| VR2 = 24 | 5* | 9 | 8 | 6 | 2* | 2* | 1* | 5 | 5 | 7* | 7* | 5 | 5 | 6 | 7 | 8 | 9 | 8 | 7 | 6 | 5 | - | - | 3* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 3 | 1* | 1* | 2 | 7 | 8* | 7* | 5* | 4* | 2* | 1* | - | - | - | - | - | - | 5* | 5* | 4 |
| HS = 26 | 3* | 6 | 6 | 4 | 1* | 1* | 1 | 5 | 6 | 6 | 6 | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 2 | 2* |
| DU = 27 | 8 | 8 | 5 | 4 | 2* | 2* | 1 | 6 | 6 | 7* | 7* | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | - | 4* | 5* |
| YB = 28 | 7 | 5* | 4* | 2* | 1* | - | 1 | 5 | 5 | 5 | 6* | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | - | 5* |
| VK6 = 29 | 5* | 4* | 3* | 2* | 1* | - | - | 1 | 3 | 5 | 5* | 4 | 4 | 2 | 1* | 2* | 2* | 1* | - | - | - | - | 2* | 5* |
| VK3 = 30 | 5 | 2 | 2* | 2* | 2* | 1* | - | 1 | 6 | 5 | 4 | 3* | 2* | 1* | 1* | 1* | 2* | 1* | - | - | 2* | 6* | 5* | 5 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 8 | 7 | 2 | 2* | 4* | 5* | 5* | 4* | 2* | 2* | 1* | - | - | 6 | 6 | 7* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 6 | 7 | 7 | 6 | 6 | 6 | 5 | 5 | 7* | 9 | 8 | 6 | 4 | 4* | 4* | 4* | - | 6 | 6 | 7* | 8* | 7* | 6 | 6 |
| CN = 33 | 9+ | 9 | 8 | 8 | 1 | - | - | - | 5 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9 | 6 | - | 3* | 1* | 1* | 4 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 8 | 9 | 8 | 3 | 4* | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 2* | 3* | 2* | - | 7 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 |
| ZS6 = 38 | - | - | - | - | 3* | 1* | - | - | 8 | 6 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | - | - |
| FR = 39 | - | - | 4* | 3* | 2* | 1* | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - |
| FJL = 40 | - | - | 1* | 1* | - | - | - | - | 3* | 1 | 6 | 7 | 7 | 7 | 7 | 6 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Feb., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 5 | 4 | 2 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - |
| W6 = 03 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 |
| XE1 = 06 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| TI = 07 | 9 | 7 | 6 | 4 | 5 | 2 | - | - | - | - | - | - | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | 9+ | 7 | 5 | 5 | 5 | 6 | 7 | 9 | 9 | 9 | 8 | 7 | 5 |
| P4 = 09 | 5 | 6 | 5 | 2 | 2 | - | - | - | - | - | - | 9 | 6 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9 | 8 | 6 | 4 |
| HC = 10 | 9 | 9 | 9 | 6 | 6 | 4 | - | 1* | - | - | - | 4 | 7 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 8 | 8 | 6 | 2 | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 9+ |
| CE = 12 | 9 | 9 | 5 | 1* | 1 | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 5 | 1* | 1* | - | - | - | - | - | - | - | 6 | 5 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 4 | 1 | 9 | 7 | 6 | 5 | 5 | 6 | 8 | 3 | 9 | 6 | 2 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 6 | 9 | 8 | 3 | 2 | 2 | 2 | 5 | 9 | 9 | 9+ | 9 | 8 | 6 | 4 | 1 |
| UA3 = 16 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - |
| UN = 17 | - | 2* | 1* | 1 | 3 | - | - | - | 8 | 8 | 6 | 8 | 7 | 8 | 8 | 6 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 2* | - | - | 2 | - | - | - | 7 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 1 | 7 | 6 | 2 | - | - | - | 8 | 7 | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* | |
| 4X = 20 | 5 | 2 | - | - | 1* | - | - | - | 9 | 9 | 2 | 3 | 4 | 5 | 5 | 6 | 8 | 9 | 9 | 8 | 7 | 7 | 8 | 8 |
| HZ = 21 | 3 | 2 | - | 4* | 1* | - | - | - | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| VU = 22 | - | 4* | 3* | 2 | 1 | - | - | 1 | 7 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 8 | 5 | - | - | - | - | - | - |
| JT = 23 | 5* | 2* | 1* | 3 | 1 | - | - | - | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 8 | 4 | 3 | 1* | 1* | - | - | 5 | 5 | 7* | 5 | 6 | 7 | 8 | 8 | 7 | 6 | 2 | 1 | - | - | - | 5* |
| JA1 = 25 | 6 | 5 | 4 | 5 | 1 | - | - | - | 7 | 4* | 8* | 5* | 2* | 1* | - | - | - | - | - | - | - | 1* | 6* | 4* |
| HS = 26 | 5* | 5* | 5* | 3* | 1* | 1* | - | - | 6 | 7 | 7 | 7 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | - | 1* |
| DU = 27 | 5 | 5* | 5* | 4* | 2* | 2* | - | 2 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 4 | - | - | 2* | 5* |
| YB = 28 | 4* | 5* | 4* | 1* | 1* | - | - | - | 5 | 7 | 6* | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 4 | - | - | - | 5* |
| VK6 = 29 | 5* | 5* | 5* | 1* | 1* | - | - | - | - | 1* | 5* | 3* | 1* | 1* | 1* | 1* | - | - | - | - | - | - | - | 3* |
| VK3 = 30 | 5* | 4* | 3* | 3* | 1* | - | - | - | - | 5* | 2* | 1* | 1* | 1* | - | - | - | - | - | - | - | 4* | 6* | 6* |
| KH6 = 31 | 7 | 7 | 7 | 6 | 6 | 3 | - | - | 4* | 7* | 5* | 4* | 2* | - | - | - | - | 6 | 7 | 8 | 7 | 7 | 6 | 6 |
| KH8 = 32 | 6 | 6 | 4 | 4* | 2 | 2 | 1 | - | 7* | 7* | 7 | 4* | 5* | 5* | 4* | 1* | - | 1 | 7 | 7 | 8* | 7 | 6 | 6 |
| CN = 33 | 7 | 5 | 2 | 2 | - | - | - | - | - | 6 | 6 | 3 | 2 | 2 | 2 | 5 | 8 | 9+ | 9+ | 8 | 8 | 6 | 5 | 7 |
| SU = 34 | 7 | 5 | 1 | - | 1* | 1* | - | - | 9 | 8 | 1 | 2 | 3 | 4 | 5 | 5 | 7 | 8 | 8 | 7 | 6 | 6 | 7 | 8 |
| 6W = 35 | 9 | 9 | 9 | 9 | 8 | - | - | - | 2 | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 7 | 8 | 8 | 9 | 8 | 6 | 6 | 9 |
| D2 = 36 | 7 | - | 5 | 2 | - | 1* | - | - | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | - | 2* | 1* | - | - | 4 | 3 | 2 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 3* | 3 | 6 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - |
| FR = 39 | - | - | 1* | 2* | 2* | 1* | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | 5 | 3 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Feb., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 5 | 6 | 6 | 6 | 5 | 4 | 1 | - | - |
| W6 = 03 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| W9 = 04 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 6 | 7 | 8 | 7 | 7 | 7 | 5 | 1 |
| XE1 = 06 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 4 | 5 | 6 | 7 | 7 | 7 | 6 | 4 | 2 |
| TI = 07 | 5 | 1 | 1 | - | 1 | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 5 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 7 | 3 | 1 | 1 | 2* | 2 | 4* | 5 | 6 | 4 | 2 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 4 | 5 | 3 | 2* | 1* | - |
| HC = 10 | 5 | 5 | 5 | 1 | 2 | 1 | - | - | - | - | - | - | 8 | 3 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 7 | 6 | 5 |
| PY1 = 11 | 9+ | 9 | 7 | 1 | 5 | 1 | - | - | - | - | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| LU = 13 | 2 | 1* | - | 1* | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 6 |
| G = 14 | - | - | - | - | - | - | - | - | - | 6 | 3 | - | 3 | 8 | 8 | 8 | 9 | 8 | 4 | 1 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 4 | 2* | 2* | 1* | - | - | - | 1 | 2 | 9 | 6 | 4 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 6 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 6 | 8 | 1* | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | - | 3 | 4 | - | - | - | - | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* |
| 4X = 20 | - | - | - | - | - | - | - | - | 1 | 1 | 1* | 2* | 1 | 1 | 1 | 1 | 4 | 5 | 5 | 2 | 1 | - | 1 | 3 |
| HZ = 21 | - | - | - | 1* | - | - | - | - | 7 | 7 | 2 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 2 |
| VU = 22 | - | 2* | 2* | - | - | - | - | - | 5 | 5 | 1* | 5 | 6 | 7 | 9 | 8 | 5 | - | - | - | - | - | - | - |
| JT = 23 | 2* | 1* | - | - | - | - | - | - | 4 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 6* | 5 | 3* | 1 | 1* | - | - | - | 2 | 2 | 3* | 5* | 5 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | 2* |
| JA1 = 25 | 2* | 1 | - | 3 | - | - | - | - | - | - | 5* | 3* | 1* | - | - | - | - | - | - | - | - | - | 6* | 3* |
| HS = 26 | 5* | 5* | 4* | 1* | 1* | - | - | - | 1 | 1 | 5 | 8 | 6 | 7 | 6 | 5 | 5 | 7 | 7 | 6 | 4 | - | - | - |
| DU = 27 | 5* | 5* | 4* | 1* | 1* | 1* | - | - | 4 | 4 | 5* | 6 | 8 | 8 | 7 | 7 | 6 | 4 | - | - | - | - | 1* | 5* |
| YB = 28 | 2* | 2* | 1* | - | - | - | - | - | 1 | 1 | 4* | 7 | 8 | 8 | 7 | 6 | 6 | 6 | 3 | - | - | - | - | - |
| VK6 = 29 | - | - | 1* | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 3* | 4* | 3* | 2* | 1* | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | 3* | 2* |
| KH6 = 31 | 3 | 2 | 2 | 1 | 3 | - | - | - | 1* | 3* | 4* | 2* | 1* | - | - | - | - | 2 | 7 | 8 | 6 | 5 | 4 | 2 |
| KH8 = 32 | 4 | 2 | 1* | 2* | - | - | - | - | 6* | 6* | 2 | 3* | 5* | 2* | 1* | - | - | - | 4 | 7 | 8 | 7 | 6 | 6 |
| CN = 33 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 1* | 1 | 1 | 2 | 1 | - | - | 1 |
| SU = 34 | 2 | - | - | - | - | - | - | - | 1 | - | 1* | 2* | 1* | 1 | 1 | 1 | 2 | 4 | 4 | 1 | - | - | 1 | 1 |
| 6W = 35 | 6 | 6 | 5 | 8 | 4 | - | - | - | - | 6 | 6 | 2* | 3* | 1 | 1 | 1* | 2* | 4* | 5* | 4 | 2 | - | - | 5 |
| D2 = 36 | 1 | - | 1 | - | - | - | - | - | 2 | 4 | 2 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| 5Z = 37 | - | - | - | - | 1* | - | - | - | - | - | 1* | 3 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1 | 3 | 4 | 4 | 3 | 2 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Mar., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W6 = 03 | - | - | - | 1 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 4 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | - | 2 | 3 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 5 | 2 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| P4 = 09 | 3 | 4 | 3 | 3 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 3 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 3 | 4 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| G = 14 | 4 | 4 | 4 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| UA3 = 16 | 4 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UN = 17 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 4 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 3 | 2 |
| HZ = 21 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 5 |
| VU = 22 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| VK3 = 30 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 |
| SU = 34 | 3 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 3 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| ZS6 = 38 | 6 | 6 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 |
| FJL = 40 | 4 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Mar., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | 1 | 2 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| W6 = 03 | - | - | 2 | 4 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| XE1 = 06 | 1 | 5 | 6 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 8 | 5 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| P4 = 09 | 6 | 7 | 6 | 6 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 6 | 7 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 6 | 7 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 |
| G = 14 | 7 | 7 | 7 | 7 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 |
| UA3 = 16 | 7 | 8 | 7 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| UN = 17 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 7 | 7 |
| UA9 = 18 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | - | - | - | 1 | 1 | - | - |
| 4X = 20 | 5 | 6 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 5 | 6 | 5 |
| HZ = 21 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 8 |
| VU = 22 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 1 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 5 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 1 | - |
| VK3 = 30 | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 |
| SU = 34 | 6 | 7 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 5 | 6 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 8 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 |
| FJL = 40 | 7 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Mar., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 4 | 5 | 7 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| W6 = 03 | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 |
| XE1 = 06 | 5 | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 7 | 8 | 7 | 8 | 9 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 9 | 8 | 9 | 8 | 8 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 |
| G = 14 | 9 | 9+ | 9 | 9+ | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 6 | 7 | 7 | 6 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 1 |
| 4X = 20 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 7 | 6 | 8 | 8 | 8 |
| JT = 23 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 6 | 6 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 6 | 6 | 5 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 2 | - |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 5 | 5 | 5 | 4 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 7 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 1 | - |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 7 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 9 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Mar., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 3 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 |
| W6 = 03 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 6 | 1 | 1 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | 1 | - | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 3 | 8 | 8 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 8 |
| UA9 = 18 | 7 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 8 | 8 | 7 |
| UA0 = 19 | 2 | 1 | 1 | 1 | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 | 6 |
| 4X = 20 | 9 | 9 | 9 | 7 | 8 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| JT = 23 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 7 | 7 |
| VR2 = 24 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 5 | 6 | 7 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 6 | 2 |
| HS = 26 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 6 | 7 | 7 | 5 |
| YB = 28 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 6 | 1 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1* | 2* | 2* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 7 | 4 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 7 | 6 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| FR = 39 | 8 | 8 | 7 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 9 | 9 | 8 |
| FJL = 40 | 7 | 7 | 6 | 4 | 4 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Mar., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | 3* | 3* | 2* | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 8 | 8 | 7 | 4 | 2 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 7 | 3 | 1 | - | - | - | - | - | 2 | 1 | 2 | 1 | 4 | 6 | 8 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | - | 6 | 5 | 2 | 1 | 1 | 1 | 3 | 3 | 5 | 6 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 6 | - | 8 | 7 | 5 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9+ | 9 | 9+ | 9 | 9 | 8 | 9 | 8 | - | 5 | 4 | 1 | 1 | - | - | 1 | 1 | 2 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 8 | 2 | - | 7 | 5 | 2 | 2 | 1 | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | 3 | 9 | 9 | 9 | 8 | 6 | 4 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | 3 | 3 | 9 | 8 | 8 | 6 | 4 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 7 | - | 7 | 8 | 4 | 2 | 2 | 1 | 1 | 3 | 5 | 6 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 6 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | 1 | 1 | 2 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | 2 | 2 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 9+ | 9 | 8 | 6 | 5 | 9 | 9 | 8 | 5 | 2 | 1 | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9+ | 5 | 4 | 5 | 9+ | 9 | 6 | 5 | 3 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 7 | 6 | 3 | 5 | 6 | 7 | 8 | 5 | 4 | 1 | 1 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| UN = 17 | 8 | 8 | 9 | 9 | 8 | 5 | 5 | 3 | 1 | - | - | - | - | 1 | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 1 | 2 | 8 | 9 | 8 | 4 | 4 | 5 | 2 | 1 | 1 | 1 | - | 1 | 1 | 4 | 7 | 8 | 8 | 7 | 6 | 5 | 4 | 1 |
| UA0 = 19 | 8 | 8 | 6 | 5 | 4 | 3 | 5 | 4 | 5 | 5* | 2* | 1* | - | 1 | - | 1 | 2 | 4 | 4 | 4 | 4 | 5 | 6 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 7 | 5 | 6 | 8 | 8 | 7 | 4 | 3 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 6 | 9 | 6 | 7 | 7 | 4 | 2 | 1 | 1 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 8 | 9 | 8 | 7 | 5 | 3 | 1 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 4 | 8 | 9 | 6 | 5 | 2 | 3 | 2 | 1 | 2 | 1 | - | - | - | 2 | 4 | 7 | 7 | 6 | 6 | 5 | 5 | 3 | 1 |
| VR2 = 24 | 8 | 8 | 6 | 3 | 1 | - | - | 1* | 2* | 3* | 2* | - | - | - | 1 | 2 | 7 | 8 | 8 | 8 | 9 | 9 | 5 | 5 |
| JA1 = 25 | 6 | 5 | 3 | 2 | 1 | 2* | 4* | 8 | 7* | 5* | 3* | 1* | - | - | 1 | 2 | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 8 |
| HS = 26 | 8 | 9 | 8 | 6 | 4 | 1 | - | - | 1* | 1* | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 8 | 8 | 6 | 1 | - | - | 1* | 2* | 4* | 5* | 3* | 1* | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 5 | 8 |
| YB = 28 | 9 | 9 | 8 | 6 | 1 | - | - | - | 2* | 1* | 1* | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 8 | 8 | 7 | 5 | 3 | 1 | 2 | 2 | 1 | 2 | 1 | - | 1 | 1 | 1 | 3 | 4 | 4 | 5 | 5 | 4 | 1 | 1* | 1 |
| VK3 = 30 | 8 | 5 | 4 | 4 | 3 | 2 | 4 | 6 | 6 | 4 | 2 | 1 | - | - | - | - | 1 | 3* | 2* | 2* | 5 | 8 | 8 | 8 |
| KH6 = 31 | 4 | 6 | 8 | 9 | 9 | 9 | 8 | 6 | 9 | 8 | 7 | 4 | 1 | - | - | 1* | 1* | 1 | 8 | 5* | 4* | 1 | 1 | 1 |
| KH8 = 32 | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | 5* | 5* | 7* | 7 | 6* | 3* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 2 | 9+ | 9+ | 9 | 8 | 7 | 4 | 3 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 4 | 5 | 8 | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 5 | 5 | 6 | 9 | 9 | 8 | 6 | 3 | 2 | 2 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 6 | 4 | 2 | - | 1* | 2 | 7 | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| FR = 39 | 8 | 6 | 2 | 5 | 8 | 6 | 8 | 7 | 4 | 1 | 1 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 1* | 1* | 1* | 1* | 1* | 1* | 5 | 8 | 8 | 7 | 5 | 2 | 1 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 8 | 6 | 3 | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Mar., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 6 | 6 | 5 | 3 | - | - | 5* | 1* | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 7 | 8 | 8 |
| VO2 = 02 | 8 | 8 | 7 | 7 | 8 | 6 | 1 | 1 | - | - | 8 | 8 | 7 | 7 | 5 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 7 | 6 | 4 | 3 | 2 | 4 | 2 | - | - | - | - | 4 | 2 | 8 | 6 | 6 | 7 | 7 | 8 | 8 | 9 |
| W9 = 04 | 9+ | 9 | 8 | 6 | 5 | 5 | 5 | 3 | 1 | - | - | 2 | 8 | 6 | 4 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 8 | 8 | 8 | 7 | 8 | 2 | 2 | - | - | 1 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 2* | 2* | 5 | 1* | - | 8 | 7 | 5 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 5 | 3* | 4 | 1* | - | 6 | 8 | 6 | 6 | 5 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 1* | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9+ | 9+ | 9 | 9 | 8 | 7 | 4 | 5 | 1* | 2 | 9 | 8 | 7 | 6 | 5 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 5 | 1* | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 2 | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 4 | 4 | 6 | 5 | 1 | - | - | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 8 | 5 |
| I = 15 | 9+ | 9+ | 9 | 6 | - | 1* | - | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 1 | - | - | 2* | 2* | 1 | 3 | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 1 |
| UN = 17 | 3 | 2 | 6 | 9 | 8 | 2 | 5 | 6 | 5 | 4 | 9 | 5 | 4 | 4 | 6 | 8 | 9 | 8 | 7 | 6 | 6 | 5 | 6 | 5 |
| UA9 = 18 | - | 1* | 1 | 8 | 8 | 1 | 2 | 7 | 7 | 5 | 8 | 5 | 4 | 5 | 6 | 7 | 5 | 6 | 1 | - | - | - | - | 1* |
| UA0 = 19 | 8 | 8 | 8 | 8 | 7 | 1 | 2 | 7 | 7* | 7* | 5 | 5 | 4 | 2 | - | - | - | - | - | - | 2* | 4* | 2* | 4 |
| 4X = 20 | 9+ | 9 | 9 | 3* | 2* | 2* | 4 | 9 | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 6 | 1 | 8 | 2 | 6 | 9 | 8 | 6 | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 5 | 3 | 8 | 9 | 8 | 4 | 5 | 5 | 4 | 3 | 9 | 3 | 4 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| JT = 23 | 1* | 4 | 8 | 8 | 7 | 1 | 2 | 6 | 6 | 5 | 8 | 5 | 4 | 5 | 6 | 6 | 4 | 1 | 1* | - | - | - | 1* | 1* |
| VR2 = 24 | 8 | 8 | 8 | 7 | 4 | 1 | 2 | 2 | 5 | 7* | 8 | 4* | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 2* | 2* |
| JA1 = 25 | 8 | 7 | 6 | 6 | 5 | 2* | 2* | 5 | 8* | 8* | 7* | 5 | 5 | 4 | 2 | 2* | 4 | 5 | 5 | 3 | 2* | 3 | 8 | 9 |
| HS = 26 | 6 | 9 | 9 | 8 | 5 | 1 | 3 | 5 | 5 | 7 | 8 | 3 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 6 |
| DU = 27 | 9 | 9 | 8 | 6 | 3 | 3* | 3* | 8 | 5 | 8* | 8 | 5* | 4 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 6 | 2* | 7 |
| YB = 28 | 9 | 8 | 6 | 5 | 1 | - | 2 | 2 | 8 | 7 | 8 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 7 |
| VK6 = 29 | 1 | 5 | 2 | 4 | 1 | - | 2 | 6 | 6 | 7 | 7 | 4 | 5 | 3 | 1* | 1* | 2* | 3* | 4* | 1* | - | 1* | 2* | 1* |
| VK3 = 30 | 7 | 5 | 3 | 2 | 2* | 1* | - | 6 | 7 | 6 | 5 | 4 | 2* | 1* | 1* | 2* | 3* | 3* | 1* | 2* | 4* | 4* | 7 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 9 | 5 | 3* | 3* | 8 | 6 | 5 | 2* | 2* | 2* | 3* | 7 | 6 | 6 | 8* | 7* | 6 | 6 | 6 |
| KH8 = 32 | 5 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 4 | 4* | 5* | 5* | 5 | 5 | 8* | 8* | 7* | 5* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 6 | - | - | 1 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 2 | 2* | 2* | 3 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 6 | 4* | 4* | 3* | 5 | 9+ | 9 | 9 | 8 | 8 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 5* | 3* | 1 | 8 | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 5 | 1 |
| FR = 39 | 2 | - | 2* | 3* | 5 | 4 | 8 | 8 | 8 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 |
| FJL = 40 | - | 1* | 1* | 1* | - | - | - | 1 | 5 | 7 | 7 | 6 | 5 | 5 | 5 | 6 | 8 | 8 | 7 | 6 | 1 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Mar., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 7* | 4 | 4 | 4 |
| VO2 = 02 | 5 | 2 | 1 | 2 | 2 | 1 | - | - | - | - | 2 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| W6 = 03 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 7 | 8 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 8 | 4 | 5 | 5 | 1 | 5 | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 7 | 5 | 8 | 1 | 2* | - | 1 | - | - | 5 | 8 | 8 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | 2* | 1* | - | - | 1 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 1* | - | - | - | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 9 | 8 | 8 | 4 | 5* | 4* | 1* | - | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9 | 7 | 9+ | 9+ | 9+ | 9 | 6 | 7 | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 3 | 1* | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9 | 6 | 6 | 4 | 1 | 1* | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 2 | 2 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 9 | 6 | 2 | - |
| I = 15 | 8 | 7 | 6 | - | - | - | - | 3 | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| UA3 = 16 | - | - | - | 1* | - | - | - | 6 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 7 | 3 | - | - | - |
| UN = 17 | - | 3* | 2 | 8 | 7 | 1 | 4 | 8 | 7 | 6 | 7 | 6 | 7 | 8 | 8 | 9 | 8 | 6 | 3 | 1 | 1 | 1 | 1 | - |
| UA9 = 18 | 2* | 1* | 1* | 2 | 5 | - | - | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 5 | - | 1 | - | - | - | - | - | 1* |
| UA0 = 19 | 5 | 8 | 8 | 8 | 5 | - | - | 7 | 7 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | 6* | 4* | 2* |
| 4X = 20 | 9 | 9+ | 5 | 2* | 3* | 2* | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 2* | 3* | 4 | 1* | 2 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| VU = 22 | 1 | 1* | 5 | 9 | 7 | 1 | 4 | 8 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 5 | 1 |
| JT = 23 | 2* | 2* | 6 | 8 | 5 | 1* | 1 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | 1* | 2* |
| VR2 = 24 | 6 | 9 | 8 | 7 | 2 | 2* | 2* | 4 | 5 | 8* | 7* | 6* | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 2 | 4* | 4* |
| JA1 = 25 | 9 | 8 | 7 | 6 | 3 | - | - | 6 | 5 | 8* | 8* | 6* | 5* | 3* | 2* | 2* | 1* | 1 | - | - | - | 5* | 4 | 8 |
| HS = 26 | 3* | 8 | 8 | 7 | 2 | 1* | 2 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 2* |
| DU = 27 | 9 | 8 | 8 | 6 | 2 | 3* | 3* | 5 | 5 | 8* | 7* | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | - | 3* | 5* |
| YB = 28 | 7 | 5 | 4* | 2 | 1* | 1* | 1 | 5 | 5 | 6* | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 1* | 4* |
| VK6 = 29 | 2* | 2* | 1* | 2 | 1* | - | 1 | 3 | 8 | 5 | 5 | 5 | 3 | 2* | 1* | 1* | 1* | 1* | 1* | - | - | - | 3* | 2* |
| VK3 = 30 | 5 | 2 | 1 | 1 | 2* | - | - | 1 | 7 | 6 | 4 | 4* | 2* | 1* | 1* | 1* | 1* | - | - | - | 4* | 5* | 4* | 6 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 7 | 1 | 2* | 5* | 6 | 5* | 4* | 3* | 3* | 3* | 1* | 2 | 6 | 6 | 8* | 7 | 7 | 7 | 7 |
| KH8 = 32 | 7 | 7 | 8 | 7 | 8 | 7 | 5 | 5 | 6* | 8 | 6 | 5 | 4* | 5* | 4* | 5* | 1* | 5 | 5 | 8* | 8* | 7* | 6 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 8 | 1* | 4* | 2* | 1* | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9 | 9 | 7 | 4* | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 4 | 1 | 1 | 4* | 5* | 3* | 1 | 7 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 3* | 1* | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 1 | - | - |
| FR = 39 | - | - | 2* | 4* | 2* | - | 5 | 8 | 8 | 8 | 9 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 5* | 2 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Mar., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 2* | 1* | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 5 |
| W6 = 03 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| W9 = 04 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 4 | - | - | - | - | 1 | - | - | - | - | - | 1 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| XE1 = 06 | 9 | 8 | 4 | - | - | 5 | - | - | - | - | - | - | - | 8 | 8 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| TI = 07 | 9 | 9 | 8 | 7 | 7 | 4 | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 7 | 8 | 8 | 7 | 5 | - | - | - | - | - | 1 | 9+ | 5 | 1 | 1 | 3 | 7 | 9 | 9+ | 9+ | 9 | 9 | 8 | 6 |
| P4 = 09 | 7 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | 9 | 6 | 2 | 1 | 3 | 6 | 9 | 9 | 9+ | 9 | 9 | 8 | 6 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 1* | 2* | - | - | 6 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| PY1 = 11 | 7 | 9+ | 9+ | 9 | 9 | 8 | 4 | 3* | - | 9 | - | 3 | 9+ | 9+ | 9+ | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| CE = 12 | 9+ | 9+ | 8 | 4 | 4 | 2 | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 8 | 3 | - | 1 | - | - | - | - | - | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 6 | - | 2 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 9+ | 9 | 5 | 1 | - | - |
| I = 15 | 2 | 1 | - | - | - | - | - | - | 9+ | 9 | 7 | 1 | 1 | 1 | 2 | 6 | 9 | 9+ | 9+ | 9 | 9 | 7 | 5 | 3 |
| UA3 = 16 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - |
| UN = 17 | - | 3* | 2* | 4 | 3 | - | 1 | 6 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 1 | 1 | - | - | - | - | - | - |
| UA9 = 18 | 2* | 2* | - | - | 1 | - | - | - | 8 | 7 | 7 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 2 | 6 | 8 | 3 | - | - | 1 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 2* | 5* | 4* |
| 4X = 20 | 9 | 6 | 1 | - | 2* | 1* | - | 1 | 9 | 9 | 6 | 2 | 4 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 8 | 9 |
| HZ = 21 | 8 | 5 | - | 4* | 2* | 1* | - | 1 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | - | 5* | 4* | 8 | 4 | 1* | 1 | 4 | 8 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 5 | 1 | - | 2 | 1 | - | - |
| JT = 23 | 4* | 3* | 1 | 8 | 2 | - | - | 2 | 8 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 5* | 8 | 8 | 6 | 3* | 2* | 1* | 2 | 6 | 6 | 7* | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | 5* |
| JA1 = 25 | 7 | 8 | 7 | 6 | 1 | - | - | 1 | 7 | 7 | 8* | 6* | 5* | 2* | 1* | - | - | - | - | - | - | 6* | 5* | 4* |
| HS = 26 | 5* | 7 | 5 | 4 | 2* | 2* | - | 1 | 6 | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | - | 2* |
| DU = 27 | 8 | 8 | 6 | 5 | 4* | 3* | 1 | 3 | 7 | 7 | 8* | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | - | 5* | 5* |
| YB = 28 | 4* | 5* | 5* | 3* | 1* | - | - | - | 5 | 6 | 7* | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 5 | 4 | 1 | - | - | 5* |
| VK6 = 29 | 5* | 4* | 4* | 3* | 1* | - | - | - | 3 | 6* | 5 | 3* | 1* | - | - | - | - | - | - | - | - | - | - | 4* |
| VK3 = 30 | 4* | 2* | 2* | 2* | 1* | - | - | - | 4 | 5* | 3* | 1* | - | - | - | - | - | - | - | - | - | 5* | 5* | 5* |
| KH6 = 31 | 7 | 8 | 8 | 8 | 7 | 3 | - | - | 5* | 6* | 6* | 5* | 3* | 3* | 2* | - | - | 6 | 7 | 7 | 8 | 7 | 7 | 6 |
| KH8 = 32 | 7 | 7 | 5 | 4* | 5 | 3 | 1 | 2* | 7* | 7* | 6* | 5* | 5* | 5* | 5* | 3* | - | 4 | 7 | 7 | 7 | 7 | 7 | 7 |
| CN = 33 | 7 | 6 | 6 | 4 | - | - | - | - | 1 | 9 | 6 | 1 | - | - | - | 5 | 8 | 9+ | 9+ | 8 | 7 | 4 | 3 | 6 |
| SU = 34 | 9 | 9 | 3 | - | 2* | 1* | - | - | 9 | 9 | 5 | 1 | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9 | 7 | 5 | 7 | 9 |
| 6W = 35 | 9 | 9 | 9 | 9+ | 8 | - | - | - | 6 | 9+ | 9+ | 7 | 5 | 5 | 5 | 8 | 9 | 9+ | 9+ | 9 | 8 | 5 | 4 | 8 |
| D2 = 36 | 9 | 6 | 4 | 7 | 1 | 2* | 1 | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 2* | 5* | 2* | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 9 | 9 | 9 | 9+ | 9+ | 8 | 7 | 2 | - | - | - | - |
| FR = 39 | - | - | 1* | 4* | 2* | - | 1 | 2 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 4 | 2 | 1 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1* | - | - | 1 | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Mar., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 2 | 4 | 4 | 6 | 4 | 1 | 1 |
| W6 = 03 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 7 | 8 | 5 | 7 | 7 |
| W9 = 04 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 5 | 6 | 7 | 7 | 6 | 7 | 7 | 5 |
| XE1 = 06 | 5 | 2 | - | - | - | 1 | - | - | - | - | - | - | - | 3 | 8 | - | 5 | 6 | 8 | 8 | 8 | 7 | 5 | 2 |
| TI = 07 | 7 | 8 | 4 | 2 | 4 | - | - | - | - | - | - | - | 1 | 6 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 |
| VP2 = 08 | 1 | 2 | 2 | 1 | 1 | - | - | - | - | - | - | 9 | - | - | 1* | 2* | 2* | 4 | 6 | 7 | 6 | 3 | - | - |
| P4 = 09 | 1 | 1 | 2 | 1 | 1 | - | - | - | - | - | - | 5 | - | - | 1* | 2* | 1 | 4 | 6 | 7 | 6 | 3 | - | - |
| HC = 10 | 7 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | 9 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| PY1 = 11 | 9+ | 9+ | 9 | 7 | 8 | 4 | - | - | - | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 8 | 8 | 9 | 9 | 8 | 9+ | 9+ |
| CE = 12 | 9 | 8 | 2 | - | 1 | - | - | - | - | - | - | 2 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 7 | 2 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| G = 14 | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 5 | 9 | 1* | - | - | - | - | - | 2 | 5 | 9 | 8 | 5 | 2 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 1 | 2 | - | - | - | - | - |
| UN = 17 | - | 1* | 1* | - | - | - | - | - | 8 | 8 | 4* | 8 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 1* | - | - | - | - | - | - | 5 | 4 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | - | 1 | 6 | - | - | - | - | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* |
| 4X = 20 | 6 | 1 | - | - | - | - | - | - | 6 | 5 | 2* | 2* | 1* | 1* | 1* | 3 | 5 | 6 | 6 | 4 | - | - | - | 4 |
| HZ = 21 | 3 | 2 | - | 1* | 2* | - | - | - | 8 | 8 | 7 | 6 | 7 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 6 |
| VU = 22 | - | 3* | 4* | 6 | 1* | 1* | - | - | 6 | 6 | 4 | 4 | 6 | 8 | 9 | 9 | 6 | - | - | - | - | - | - | - |
| JT = 23 | 3* | 2* | - | 5 | - | - | - | - | 7 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5* | 8 | 5 | 4 | 2* | 1* | - | - | 5 | 5 | 7* | 6* | 7 | 8 | 8 | 8 | 7 | 7 | 5 | 3 | - | - | - | 4* |
| JA1 = 25 | 2* | 4 | 4 | 5 | - | - | - | - | 6 | 4 | 7* | 5* | 2* | 1* | - | - | - | - | - | - | - | 2* | 6* | 4* |
| HS = 26 | 5* | 6* | 6* | 5* | 3* | 1* | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 8 | 8 | 8 | 7 | 2 | - | - |
| DU = 27 | 6 | 6* | 5* | 5* | 4* | 2* | - | - | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | 1* | 5* |
| YB = 28 | 4* | 4* | 3* | 1* | 1* | - | - | - | 1 | 4 | 6* | 8 | 8 | 8 | 7 | 5 | 5* | 3 | - | - | - | - | - | 4* |
| VK6 = 29 | 5* | 5* | 5* | 1* | 1* | - | - | - | - | 3* | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - | 2* |
| VK3 = 30 | 5* | 4* | 3* | 2* | 1* | - | - | - | - | 3* | 1* | - | - | - | - | - | - | - | - | - | - | 2* | 5* | 6* |
| KH6 = 31 | 5 | 6 | 5 | 5 | 5 | - | - | - | 1* | 5* | 6* | 4* | 3* | 2* | - | - | - | 2 | 7 | 8 | 8 | 6 | 4 | 2 |
| KH8 = 32 | 6 | 5 | 3* | 3* | 2 | 1 | - | - | 7* | 7* | 4* | 1* | 2* | 5* | 3* | 1* | - | - | 7 | 7 | 8 | 8 | 7 | 7 |
| CN = 33 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 1 | - | - | - | - |
| SU = 34 | 3 | 3 | - | - | - | - | - | - | 5 | 3 | 2* | 1* | 1* | 1* | 1* | 2 | 4 | 5 | 5 | 2 | - | - | - | 3 |
| 6W = 35 | 5 | 5 | 7 | 9 | 4 | - | - | - | - | 7 | 5 | 4* | 1 | 1 | 1 | 1 | 4 | 7 | 7 | 6* | 3* | 1* | - | 3 |
| D2 = 36 | 5 | 1 | - | 3 | - | 1* | - | - | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| 5Z = 37 | - | - | - | - | 3* | 1* | - | - | - | 1 | 1 | 4 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 2 | 5 | 5 | 5 | 1 | 2 | - | - | - | - | - |
| FR = 39 | - | - | - | 1* | 1* | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Apr., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 5 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W6 = 03 | - | - | - | - | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 3 | 5 | 3 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| P4 = 09 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 |
| CE = 12 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| G = 14 | 4 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 5 |
| I = 15 | 4 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 3 |
| HZ = 21 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 5 | 4 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 6 |
| SU = 34 | 3 | 4 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| FJL = 40 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Apr., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 8 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| W6 = 03 | - | - | 1 | 2 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | 1 | 4 | 6 | 7 | 7 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 6 | 8 | 6 | 7 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| P4 = 09 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| HC = 10 | 5 | 6 | 6 | 7 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ |
| CE = 12 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| G = 14 | 7 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 6 | 8 |
| I = 15 | 7 | 7 | 7 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 |
| UN = 17 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 6 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 6 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 7 | 6 |
| HZ = 21 | 6 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 8 | 7 |
| VU = 22 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 4 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 4 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 2 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 2 | 5 | 7 | 8 | 8 | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 9 | 9 |
| SU = 34 | 6 | 7 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 7 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 |
| FJL = 40 | 6 | 5 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Apr., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | 4 | 5 | 5 | 7 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| W6 = 03 | 1 | 5 | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| XE1 = 06 | 6 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 |
| HC = 10 | 9 | 9 | 7 | 8 | 9 | 8 | 8 | 8 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 7 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 5 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 5 | 2 | 1 |
| 4X = 20 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 5 | 7 | 8 |
| JT = 23 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 5 | 6 | 7 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 6 | 5 | 6 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 3 | 1 | - |
| HS = 26 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 8 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 | 6 | 3 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 8 |
| VK6 = 29 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 7 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 1 | 1 |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Apr., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1* | - | - | 1 | 1 | 2 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 8 | 5 | 5 | 1 | - | - | - | - | - | - | - | 1 | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 6 | 2 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 8 | 8 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 8 |
| UA9 = 18 | 7 | 6 | 6 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 6 | 6 | 8 | 8 | 8 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 | 7 | 6 | 4 |
| 4X = 20 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 8 | 8 | 7 |
| VR2 = 24 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 | 7 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 6 | 4 | 2 |
| HS = 26 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 | 6 | 5 |
| YB = 28 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 6 | 6 |
| VK3 = 30 | 2 | 1 | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 | 6 | 6 | 5 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 3 | 6 | 7 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | 1* | 2* | 2* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 2 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | 2 | 6 | 9 | 8 | 5 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 7 | 5 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| FJL = 40 | 8 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 1 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Apr., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 6 | 4* | 3* | 1* | 1 | - | - | - | - | 2 | 4 | 8 | 7 | 7 | 8 | 8 | 8 |
| VO2 = 02 | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 9 | 9 | 8 | 6 | 3 | 4 | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 8 | 6 | 3 | 3 | 1 | 1 | - | - | - | 2 | 1 | 1 | 3 | 4 | 6 | 8 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 6 | 6 | 4 | 2 | 1 | 2 | 1 | 1 | 3 | 5 | 6 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 6 | 8 | 8 | 7 | 8 | 7 | 5 | 2 | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 9 | 9 | 6 | 7 | 4 | 2 | 1 | 1 | - | 1 | 1 | 2 | 5 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 9 | 6 | 6 | 7 | 4 | 2 | 1 | 1 | 1 | 2 | 3 | 5 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 3 | 8 | 9+ | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 2 | 7 | 9 | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 7 | 7 | 8 | 8 | 4 | 1 | 1 | 2 | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 5 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 6 | 4 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 6 | 9 | 9 | 9 | 7 | 4 | 3 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 6 | 9 | 9 | 6 | 5 | 2 | 1 | 2 | 2 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9+ | 9 | 7 | 1 | 7 | 9 | 8 | 7 | 5 | 3 | 2 | 2 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 8 | 8 | 8 | 8 | 4 | 7 | 8 | 5 | 4 | 2 | 1 | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 8 | 8 | 5 | 4 | 2 | 1 | - | - | - | - | 1 | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 7 | 8 | 9 | 7 | 6 | 2 | 4 | 4 | 1 | 1 | 1 | 1 | - | - | 1 | 3 | 7 | 7 | 9 | 9 | 9 | 8 | 6 | 6 |
| UA0 = 19 | 8 | 5 | 4 | 4 | 4 | 1 | 4 | 3 | 6 | 4* | 2* | 1* | - | - | 1 | 2 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 9 |
| 4X = 20 | 9+ | 9+ | 9 | 9 | 8 | 5 | 7 | 8 | 6 | 4 | 2 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 9 | 8 | 8 | 6 | 7 | 6 | 4 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 8 | 5 | 3 | 1 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 9 | 8 | 5 | 5 | 2 | 2 | 1 | 2* | 1* | 1* | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 8 | 7 | 7 | 8 |
| VR2 = 24 | 8 | 8 | 6 | 2 | 1 | - | - | 1* | 2* | 3* | 2* | 1* | - | - | 1 | 3 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 5 | 4 | 2 | 1 | 1 | 1* | 2* | 3* | 6 | 6* | 4* | 2* | - | - | 1 | 3 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 8 |
| HS = 26 | 9 | 9 | 8 | 7 | 2 | - | - | - | 1* | 1* | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| DU = 27 | 8 | 7 | 4 | 1 | - | - | 1* | 2* | 4* | 5* | 3* | 1* | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| YB = 28 | 9 | 9 | 8 | 5 | - | - | - | - | 2* | 1* | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| VK6 = 29 | 5 | 8 | 6 | 5 | 1 | - | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | - | 1 | 2 | 5 | 6 | 5 | 1 | - | 1* |
| VK3 = 30 | 7 | 6 | 5 | 5 | 3 | 1 | 2 | 7 | 6 | 6 | 4 | 2 | - | - | - | - | 2 | 4 | 3 | 1 | 1 | 5 | 8 | 8 |
| KH6 = 31 | 2 | 6 | 8 | 9 | 9 | 9 | 7 | 7 | 9 | 9 | 8 | 5 | 1 | - | - | 1* | 2* | 4* | 8 | 5* | 4* | 1* | 1 | 1 |
| KH8 = 32 | 1 | 4 | 6 | 8 | 9 | 9 | 8 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | - | 5* | 5* | 7* | 7* | 5* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 3 | 9+ | 9 | 9 | 8 | 7 | 5 | 3 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 9 | 8 | 6 | 4 | 3 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 4 | 3 | 3 | 9 | 9 | 8 | 6 | 3 | 2 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 4 | 4 | 2 | - | 1* | 1* | 7 | 9+ | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| FR = 39 | 7 | 3 | 1* | 3 | 6 | 6 | 8 | 7 | 4 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| FJL = 40 | 2 | 1* | 1* | 1* | 1 | 7 | 8 | 8 | 8 | 9 | 5 | 2 | 2 | 2 | 2 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Apr., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 7 | 7 | 7 | 6 | 6 | 2 | 4* | 5* | 2* | 1* | - | - | - | - | - | - | 1* | 5* | 6* | 6 | 7 | 8 | 6 |
| VO2 = 02 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | 5 | 4 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | 4* | 4 | 2* | 1* | 1* | - | 2 | 4 | 3 | 8 | 8 | 6 | 7 | 7 | 8 | 8 | 8 |
| W9 = 04 | 9+ | 9 | 9 | 8 | 7 | 8 | 2 | 4 | 3 | 2 | - | 5 | 8 | 5 | 4 | 6 | 8 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | 3 | 2 | - | 6 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 4 | 3* | 8 | 8 | 1* | 1 | 8 | 6 | 5 | 6 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9 | 9 | 8 | 3 | 4* | 7 | 2 | - | 8 | 8 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1* | - | 2 | 7 | 9+ | 9+ | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2* | 1* | 2* | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9+ | 9 | 8 | 6 | 4* | 6 | 2* | 7 | 9 | 8 | 7 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 4 | 1* | 1* | 1* | 8 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 1 | - | - | 2 | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 7 | 7 | 7 | 6 | 4 | - | - | 9+ | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| I = 15 | 9+ | 9+ | 9 | 6 | 1 | - | 1 | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 4 | 2 | 1 | 1 | 5 | - | 5 | 9 | 8 | 8 | 8 | 7 | 6 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 |
| UN = 17 | 7 | 8 | 9 | 9 | 7 | 2 | 7 | 6 | 5 | 5 | 9 | 4 | 4 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| UA9 = 18 | 1* | 2 | 7 | 8 | 4 | - | 4 | 7 | 8 | 5 | 6 | 5 | 4 | 4 | 5 | 8 | 8 | 9 | 9 | 7 | 3 | 1* | 1* | 1* |
| UA0 = 19 | 8 | 9 | 8 | 8 | 4 | - | 4 | 7 | 6* | 7* | 6* | 5 | 5 | 5 | 5 | 4 | 2 | 3 | 2* | 3* | 5* | 5* | 5 | 8 |
| 4X = 20 | 9+ | 9 | 9 | 4 | 2 | 2* | 7 | 9 | 8 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 7 | 7 | 6 | 2 | 7 | 9 | 8 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 8 | 9 | 9 | 7 | 4 | 7 | 5 | 4 | 2 | 9 | 3 | 4 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 5 | 9 | 9 | 8 | 3 | 1* | 5 | 7 | 5 | 5 | 8 | 4 | 4 | 5 | 6 | 8 | 8 | 8 | 7 | 4 | 1 | 1* | 1* | 1 |
| VR2 = 24 | 9 | 8 | 7 | 7 | 2 | 1 | 4 | 2 | 5 | 7* | 7 | 4* | 3 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | 6 |
| JA1 = 25 | 8 | 7 | 6 | 6 | 2* | 1* | 3 | 5 | 7* | 8* | 7* | 5* | 5 | 5 | 6 | 7 | 7 | 7 | 6 | 5 | 7 | 9 | 9 | 9 |
| HS = 26 | 8 | 9 | 9 | 7 | 2 | 1 | 5 | 5 | 5 | 7 | 8 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| DU = 27 | 8 | 8 | 8 | 6 | 2* | 3* | 4 | 8 | 5 | 8* | 7 | 5* | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | 4 | 9 |
| YB = 28 | 9 | 8 | 4 | 2 | - | 1* | 2 | 4 | 7 | 6 | 7 | 3 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 2* | 5 |
| VK6 = 29 | 1* | 1 | 1 | 1 | 1* | - | 1 | 6 | 6 | 6 | 6 | 5 | 5 | 2 | 1* | 1* | 2* | 2* | 3* | 1* | - | 1* | 1* | 1* |
| VK3 = 30 | 4 | 1 | 1 | 1 | 1* | - | - | 5 | 8 | 7 | 5 | 3* | 1* | 1* | 1* | 1* | 2* | 1* | - | 1* | 3* | 4* | 3 | 6 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 8 | 2 | 4* | 8 | 9 | 8 | 7 | 3 | 2* | 3* | 3* | 7 | 6 | 7* | 8* | 6 | 6 | 6 | 6 |
| KH8 = 32 | 6 | 7 | 8 | 8 | 9 | 8 | 6 | 5 | 8 | 8 | 7 | 4 | 2 | 2* | 4* | 5* | 5* | 5 | 7* | 8* | 8* | 6* | 5 | 6 |
| CN = 33 | 9+ | 9+ | 9+ | 8 | 1 | - | - | 5 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 4 | 2 | 2* | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | 1 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 7 | 3 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 5 | 4* | 4* | 2* | 7 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | 1* | 1 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | - | - |
| FR = 39 | 1 | - | 2* | 3* | 1* | 1 | 8 | 8 | 8 | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 1 |
| FJL = 40 | 1* | - | - | - | 1* | 1 | 5 | 3 | 6 | 8 | 8 | 7 | 5 | 5 | 5 | 7 | 8 | 8 | 9 | 8 | 7 | 4 | 1 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Apr., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 3 | 3 | 2 | 1 | 2 | - | - | 1* | - | - | - | - | - | - | - | - | - | 1* | 4* | 6* | 4 | 4 | 2 |
| VO2 = 02 | 8 | 6 | 4 | 2 | 4 | 1 | - | 1 | - | - | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 9 |
| W6 = 03 | 9 | 9 | 8 | 5 | 3 | 1 | - | 2* | - | - | 1* | - | - | - | 1 | 3 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 7 | 3 | 2 | 5 | - | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 6 | 7 | 6 | 7 | 3 | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 7 | 1* | 3* | 1* | 4 | - | - | 7 | 8 | 6 | 7 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 8 | 8 | 5 | 1* | 4* | 3 | - | - | 4 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 9 | 9 | 8 | 6 | - | - | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 7 | 1 | 1* | - | - | - | 9 | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 8 | 9 | 7 | 2 | 4* | 5* | 4* | - | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9 | 5 | 9+ | 9+ | 9 | 5 | 1 | 5 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 8 | 5 | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 8 | 3 | 5 | 2 | - | - | - | - | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | 1 | 1 | - | - | - | - | 4 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9+ | 8 | 5 | 2 |
| I = 15 | 8 | 7 | 5 | - | - | - | - | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| UA3 = 16 | - | - | - | - | 1 | - | 1 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 5 | - | - |
| UN = 17 | 2 | 4 | 7 | 8 | 4 | 1 | 6 | 7 | 8 | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 4 | 2 |
| UA9 = 18 | 2* | 1* | 1 | 6 | 1 | - | 2 | 8 | 8 | 7 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 5 | 1 | - | - | 1* | 3* |
| UA0 = 19 | 7 | 8 | 8 | 7 | 1 | - | 1 | 8 | 7 | 8* | 7 | 6 | 5 | 5 | 1 | - | - | - | - | - | 3* | 5* | 4* | 4 |
| 4X = 20 | 9+ | 9 | 5 | 3* | 2* | 1* | 2 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 4* | 2 | 2 | 2* | 5 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| VU = 22 | 4 | 4 | 8 | 9 | 4 | 1 | 6 | 6 | 7 | 5 | 6 | 6 | 7 | 8 | 7 | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 4 |
| JT = 23 | 2* | 5 | 8 | 7 | 1* | - | 2 | 8 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | 1* | 2* | 2* |
| VR2 = 24 | 8 | 9 | 8 | 6 | 2* | 2* | 3 | 4 | 4 | 7* | 7* | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 2 | 2* | 4* |
| JA1 = 25 | 8 | 7 | 6 | 4 | - | - | 1 | 6 | 5 | 8* | 8* | 6 | 5 | 5 | 4 | 2 | 4 | 2 | 1 | - | 3* | 6 | 8 | 9 |
| HS = 26 | 6 | 9 | 8 | 5 | 2* | 1* | 4 | 6 | 6 | 5 | 5 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 2 |
| DU = 27 | 9 | 9 | 8 | 5 | 3* | 2* | 3 | 6 | 4 | 8* | 8* | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 3* | 4* | 8 |
| YB = 28 | 7 | 4 | 4* | 2* | 1* | - | 1 | 5 | 5 | 6* | 6 | 6 | 7 | 7 | 8 | 7 | 7 | 6 | 4* | 4 | 2 | - | 1* | 2* |
| VK6 = 29 | 2* | 2* | 2* | 1* | 1* | - | 1 | 4 | 7 | 7 | 6 | 6 | 3 | - | - | - | - | 1* | 1* | - | - | - | 3* | 2* |
| VK3 = 30 | 2* | 1* | 1* | 2* | 1* | - | - | - | 8 | 6 | 4* | 2* | 1* | - | - | - | - | - | - | - | 4* | 5* | 4* | 3* |
| KH6 = 31 | 8 | 8 | 8 | 8 | 8 | 5 | - | 5* | 6* | 8 | 7 | 5 | 3* | 3* | 3* | 1* | 5 | 6 | 6 | 8* | 7 | 7 | 7 | 7 |
| KH8 = 32 | 7 | 7 | 7 | 6 | 7 | 6 | 2 | 5* | 5* | 5* | 5* | 4* | 4* | 4* | 5* | 5* | 1* | 6 | 6 | 8* | 8* | 7* | 6 | 6 |
| CN = 33 | 6 | 5 | 4 | 4 | - | - | - | - | 9+ | 9+ | 9 | 6 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 6 |
| SU = 34 | 9+ | 9+ | 6 | 3* | 2* | 1* | 2 | 9+ | 9 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9 | 9 | 9+ | 9+ | 8 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9 | 9 | 8 | 1 | 3* | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 3 | 1 | 6* | 4* | 3* | 2 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 4* | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | 1 | - | - | - |
| FR = 39 | - | - | 4* | 3* | 2* | - | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | 1 | - | 4* | 3 | 5 | 4 | 4 | 3 | 3 | 5 | 4 | 4 | 3 | 5 | 1 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Apr., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3* | 1* | - | - |
| VO2 = 02 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | 7 | 7 | 8 | 9 | 9 | 8 | 9 | 8 | 7 | 7 | 7 |
| W6 = 03 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 5 | 6 | 7 | 8 | 8 | 9 |
| W9 = 04 | 9 | 7 | 1 | - | - | 1 | - | - | - | - | - | - | 1 | 4 | 4 | 4 | 5 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| W3 = 05 | 6 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| TI = 07 | 9 | 9 | 6 | 4 | 5 | 1 | - | 1* | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 4 | 4 | 3 | 1 | 1 | - | - | - | - | - | 6 | 9+ | 6 | 1 | 1 | 2 | 7 | 9 | 9 | 9+ | 9+ | 9 | 8 | 2 |
| P4 = 09 | 5 | 5 | 4 | 1 | 2 | - | - | - | - | - | - | 9 | 9 | 5 | 2 | 3 | 7 | 9 | 9 | 9+ | 9 | 9 | 9 | 5 |
| HC = 10 | 9 | 9 | 9 | 8 | 7 | 4 | - | 4* | 3* | - | - | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| PY1 = 11 | 6 | 9+ | 9+ | 9 | 9 | 7 | 1* | - | - | 9+ | 5 | 8 | 8 | 7 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 4 |
| CE = 12 | 9 | 9 | 7 | 2 | 3 | 1 | - | - | - | - | - | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 7 | 1 | - | 1 | - | - | - | - | - | 1 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 4 | - | - |
| I = 15 | 3 | - | - | - | - | - | - | - | 9 | 9 | 6 | 1 | 1 | 3 | 5 | 9 | 9 | 9+ | 9+ | 9 | 9 | 6 | 4 | 4 |
| UA3 = 16 | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 8 | 6 | 2 | - | - | - |
| UN = 17 | 3* | 4* | 2 | 6 | 1* | - | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 4 | 2 | 1 | - | - | - |
| UA9 = 18 | 2* | 1* | - | 2 | - | - | - | 4 | 8 | 7 | 7 | 5 | 5 | 4 | 3 | 6 | 4 | 3 | - | - | - | - | - | 1* |
| UA0 = 19 | 1 | 3 | 4 | 4 | - | - | - | 5 | 8 | 8* | 7 | 6 | 4 | - | - | - | - | - | - | - | - | 6* | 2* | 1* |
| 4X = 20 | 9 | 5 | 1 | - | 2* | 1* | - | 9 | 9 | 9 | 9 | 8 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 6 | 5 | 3* | 2* | 2* | 1* | 1 | 6 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | 2* | 5* | 5 | 7 | 2* | 1* | 5 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 4 | - | 1 | 5 | 5 | 2 | - |
| JT = 23 | 2* | 1* | 5 | 4 | - | - | 1 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 3 | 2 | - | - | - | - | - | 3* | 5* |
| VR2 = 24 | 6 | 9 | 8 | 5 | 2* | 1* | 1 | 6 | 6 | 6 | 8* | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | 5* | 5* |
| JA1 = 25 | 7 | 6 | 3 | 2 | - | - | - | 5 | 7 | 8* | 8* | 6 | 4* | 2* | 1* | - | - | - | - | - | - | 6* | 5* | 7 |
| HS = 26 | 5* | 8 | 5 | 4* | 2* | 1* | 1 | 6 | 8 | 8 | 8 | 8 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | - | 4* |
| DU = 27 | 9 | 8 | 6 | 4* | 4* | 2* | 1 | 6 | 7 | 7 | 8* | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | 1 | - | 5* | 6* |
| YB = 28 | 4* | 4* | 4* | 1* | 1* | - | - | 2 | 7 | 6 | 7 | 8 | 7 | 7 | 5 | 5* | 5* | 5* | - | - | - | - | - | 4* |
| VK6 = 29 | 2* | 3* | 2* | 1* | - | - | - | - | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 3* | 3* |
| VK3 = 30 | 3* | 2* | 2* | 2* | - | - | - | - | 5 | 4* | 2* | 1* | - | - | - | - | - | - | - | - | - | 5* | 4* | 4* |
| KH6 = 31 | 6 | 7 | 6 | 5 | 5 | 1 | - | 1* | 6* | 6 | 6* | 5* | 4* | 3* | 2* | - | 1 | 6 | 6 | 8* | 8 | 7 | 7 | 6 |
| KH8 = 32 | 7 | 6 | 3 | 2* | 4 | 2 | - | 6* | 7* | 7* | 7* | 6* | 6* | 5* | 5* | 3* | - | 1 | 8 | 8 | 8 | 8 | 7 | 7 |
| CN = 33 | - | - | - | - | - | - | - | - | 2 | 6 | 1 | - | - | - | 1 | 6 | 8 | 9+ | 9+ | 9+ | 7 | 1 | - | - |
| SU = 34 | 7 | 7 | 1 | - | 2* | 1* | - | 8 | 9 | 9 | 9 | 5 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 |
| 6W = 35 | 5 | 5 | 6 | 8 | 2 | - | - | - | 9 | 9+ | 9+ | 8 | 7 | 6 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 6 |
| D2 = 36 | 9 | 6 | 8 | 3 | - | 2* | 1 | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 6* | 4* | 1* | - | 3 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 |
| ZS6 = 38 | - | - | - | - | 2* | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 8 | 4 | - | - | - | - | - |
| FR = 39 | - | - | 1* | 1* | 1* | - | 1 | 6 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 2 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Apr., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 6 | 7 | 7 | 5 | 5 | 3 | 4 |
| W6 = 03 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 3* | 3 | 4 | 5 | 7 | 7 |
| W9 = 04 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 | 8 | 8 |
| W3 = 05 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 4 | 4 | 4 | 7 | 7 | 6 |
| XE1 = 06 | 4 | 4 | 3 | 1 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 2 |
| TI = 07 | 6 | 7 | 1 | - | 2 | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 5 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | - | - | 1* | 1 | 5 | 7 | 8 | 8 | 6 | 1 | - |
| HC = 10 | 7 | 7 | 6 | 4 | 4 | 1 | - | - | 1* | - | - | - | 8 | 8 | 5 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 6 |
| PY1 = 11 | 9+ | 9+ | 9 | 6 | 8 | 2 | - | - | - | 8 | - | - | 1* | 1* | - | 1* | 7 | 9 | 9+ | 9+ | 8 | 5* | 9+ | 9+ |
| CE = 12 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| LU = 13 | 5 | 2 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| G = 14 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - | - | 1 | 4 | 6 | 7 | 5 | 6 | 2 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | 2* | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | - | - | - | - |
| UN = 17 | - | 1* | - | 3 | - | - | - | 4 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 7 | 3 | 3 | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 5 | 4 | 3 | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | 1 | - | - | - | - | 5 | 5 | 5* | 2 | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* |
| 4X = 20 | 4 | - | - | - | - | - | - | - | 5 | 9 | 3 | 1* | 1* | 1* | 2 | 5 | 7 | 7 | 7 | 6 | 4 | 3 | 3 | 4 |
| HZ = 21 | 1 | 1 | 1* | 1* | 1* | - | - | - | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 4 |
| VU = 22 | - | 4* | 4* | 4 | 1* | - | 1 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | - | - | - | 1 | - | - | - |
| JT = 23 | 1* | - | 1 | 1 | - | - | - | - | 4 | 3 | 5* | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5* | 8 | 5* | 2 | 2* | 1* | - | 2 | 6 | 7 | 8* | 7 | 7 | 8 | 8 | 7 | 6 | 6 | 6 | 4 | - | - | 1* | 5* |
| JA1 = 25 | 3 | 1 | - | - | - | - | - | - | 4 | 5 | 8* | 4* | 1* | - | - | - | - | - | - | - | - | 5* | 3* | 3 |
| HS = 26 | 5* | 6 | 6* | 2* | 2* | 1* | - | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 6 | 6 | 4 | 1 | - | 1* |
| DU = 27 | 8 | 6* | 5* | 4* | 3* | 1* | 1 | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | 4* | 6* |
| YB = 28 | 2* | 2* | 1* | - | - | - | - | - | 6 | 7 | 8 | 7 | 8 | 5 | 3* | 4* | 5* | 1* | - | - | - | - | - | 2* |
| VK6 = 29 | 1* | 1* | 1* | - | - | - | - | - | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | 1* | 1* | 1* | 1* | - | - | - | - | 1 | 2* | - | - | - | - | - | - | - | - | - | - | - | 5* | 3* | 2* |
| KH6 = 31 | 2 | 4 | 1 | - | 2 | - | - | - | 5* | 7* | 5* | 4* | 3* | 2* | - | - | - | 2 | 4 | 7 | 8 | 7 | 5 | 1 |
| KH8 = 32 | 5 | 2 | 1* | 1* | 1 | - | - | 1* | 7* | 7* | 6* | 3* | 6* | 4* | 3* | 1* | - | - | 8 | 8 | 8 | 8 | 6 | 4 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 4 | - | - | - | - |
| SU = 34 | 1 | 1 | - | - | - | - | - | - | 2 | 2 | 2* | 1* | 1* | 1* | 1 | 4 | 6 | 6 | 6 | 5 | 2 | 1 | 1 | 3 |
| 6W = 35 | - | - | - | 5 | - | - | - | - | 1 | 9 | 7 | 1 | 1 | 2 | 1 | 3 | 5 | 7 | 8 | 6 | 5 | 1 | - | - |
| D2 = 36 | 4 | - | 3 | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| 5Z = 37 | - | - | - | 2* | 2* | 1* | - | - | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 3 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 2 | 3* | 2 | 3 | 5 | 8 | 9 | 7 | 1 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: May, Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W6 = 03 | - | - | - | - | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 4 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 2 | 5 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 6 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 3 |
| G = 14 | 5 | 4 | 4 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | 3 |
| I = 15 | 5 | 4 | 4 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 3 | 5 |
| UA3 = 16 | 4 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| HZ = 21 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 2 | - | - | 4 | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 6 |
| SU = 34 | 3 | 3 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 4 | 4 | 4 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 4 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: May, Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| W6 = 03 | - | - | - | 2 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 5 | 7 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | 1 | 4 | 6 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 5 | 8 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| HC = 10 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 6 |
| G = 14 | 8 | 7 | 7 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 4 | 6 |
| I = 15 | 8 | 7 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 5 | 6 | 8 |
| UA3 = 16 | 7 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 8 | 8 |
| UN = 17 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 5 | 5 | 7 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 |
| HZ = 21 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 5 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | 5 | 2 | - | - | 5 | - | - | 7 | 1 | 2 | 1 | - | - |
| KH6 = 31 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 7 | 9 |
| SU = 34 | 6 | 6 | 8 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 7 | 7 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 | 7 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: May, Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 1 | 2 | 5 | 5 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| W6 = 03 | 1 | 4 | 5 | 6 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| XE1 = 06 | 6 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 8 | 8 | 8 |
| UN = 17 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 6 |
| UA9 = 18 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 6 | 6 | 7 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 1 | 1 | - |
| 4X = 20 | 9 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 7 | 5 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 7 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 1 | - | - |
| HS = 26 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 5 | 5 | 2 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 6 |
| VK3 = 30 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 6 | 2 |
| KH6 = 31 | - | - | - | 1 | 5 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 4 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 5 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 9 | 8 | 8 |
| FJL = 40 | 8 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: May, Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 3 | 4 | 5 | 7 | 6 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 |
| W6 = 03 | 5 | 6 | 7 | 8 | 8 | 8 | 7 | 7 | 7 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 6 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | 2 | 4 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | 1 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 5 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 7 | 8 |
| UA9 = 18 | 5 | 6 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 5 | 5 | 5 | 5 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 5 | 6 | 5 | 5 | 1 |
| 4X = 20 | 9 | 9 | 8 | 8 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 8 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | 1 | 3 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 5 | 5 | 5 | 5 |
| VR2 = 24 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 7 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 1 | 6 | 4 | 5 | 6 | 2 | 1 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 7 | 6 | 6 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 6 |
| VK6 = 29 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 7 | 5 | 5 |
| VK3 = 30 | 4 | 1 | 1 | 1 | - | - | 2 | 4 | 2 | 1 | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 5 | 8 | 8 | 6 | 4 | 2 | 1 | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 2 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 6 | 6 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 7 | 9 | 8 | 2 | - | 1 | 8 | 8 | 5 | 1 | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 7 | 5 | 2 | 5 | 5 | 6 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 7 | 7 |
| FJL = 40 | 7 | 8 | 8 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: May, Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 8 | 8 | 9 | 9 | 8 | 7 | 6 | 9 | 7 | 6 | 4 | 3 | 1 | - | - | 1 | 4 | 6 | 6 | 7 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 8 | 9 | 8 | 8 | 6 | 6 | 4 | 3 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 8 | 6 | 2 | 1 | 2 | 1 | - | 1 | 1 | 2 | 1 | 1 | 1 | 4 | 5 | 7 |
| W9 = 04 | 9 | 9 | 9 | 9+ | 9 | 9 | 6 | 8 | 8 | 8 | 7 | 5 | 2 | 2 | 4 | 2 | 4 | 5 | 5 | 6 | 8 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 7 | 8 | 8 | 8 | 6 | 5 | 5 | 4 | 2 | 2 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 9 | 9 | 9 | 6 | 4 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 5 | 7 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 8 | 8 | 8 | 7 | 5 | 2 | 1 | 2 | 1 | 4 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1 | 2 | 9 | 9+ | 9 | 8 | 7 | 5 | 3 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | 1 | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 8 | 8 | 7 | 8 | 5 | 2 | 2 | 1 | 2 | 5 | 5 | 8 | 8 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 8 | 8 | - | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 2 | 1 | - | - | 9 | 8 | 6 | 5 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | 1 | 9 | 9 | 9 | 8 | 5 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9+ | 9+ | 9 | 5 | - | 5 | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9+ | 9+ | 9 | 8 | 1 | - | 6 | 9 | 7 | 7 | 5 | 3 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 9 | 8 | 5 | 1 | 7 | 8 | 6 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 8 | 8 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 9 | 8 | 6 | 2 | 1 | 4 | 3 | 1 | 1 | - | - | - | - | 1 | 2 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 8 | 6 | 5 | 4 | 1 | - | 3 | 1 | 8 | 4* | 3* | 1* | - | - | - | 1 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 8 |
| 4X = 20 | 9+ | 9 | 9 | 9 | 3 | 4 | 7 | 8 | 6 | 4 | 2 | 1 | 2 | 2 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 8 | 9 | 6 | 6 | 7 | 6 | 4 | 1 | - | - | 1 | 1 | 3 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | 9 | 9 | 9 | 8 | 6 | 5 | 2 | 1 | 1 | - | - | - | - | 1 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 8 | 7 | 5 | 2 | 1 | 2 | 1 | 1 | 1* | 1* | - | - | - | 1 | 2 | 5 | 6 | 7 | 9 | 9 | 9 | 8 | 8 |
| VR2 = 24 | 8 | 8 | 5 | 2 | - | - | - | - | 2* | 3* | 2* | 1* | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 6 | 4 | 2 | 1 | - | - | 1 | - | 7 | 6* | 4* | 2* | 1* | - | 1 | 2 | 7 | 8 | 8 | 8 | 9 | 8 | 7 | 7 |
| HS = 26 | 9 | 8 | 8 | 6 | 1 | - | - | - | 1* | 1* | 1 | - | - | 1 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 8 | 6 | 3 | 1 | - | - | - | 1* | 4* | 5* | 3* | 1* | - | - | 1 | 4 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 |
| YB = 28 | 8 | 8 | 6 | 2 | - | - | 1 | - | 2* | 1* | 2* | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 1 | 2 |
| VK6 = 29 | 4 | 4 | 2 | 2 | - | - | 2 | 4 | 8 | 8 | 2 | 2 | 2 | 2 | - | - | - | 1* | 1 | 2 | 2 | 1* | - | 1* |
| VK3 = 30 | 2 | 2 | 2 | 2 | - | 1* | 1* | 8 | 7 | 6 | 4 | 1 | - | - | - | - | 2 | 3 | 3 | 2* | 1* | 1 | 6 | 5 |
| KH6 = 31 | 1 | 5 | 8 | 8 | 8 | 8 | 5 | 6 | 9 | 9 | 8 | 6 | 1 | - | - | 2* | 4* | 4* | 6* | 5* | 2* | 1* | - | 1 |
| KH8 = 32 | 1 | 5 | 7 | 8 | 8 | 8 | 5 | 5 | 9 | 8 | 5 | 3 | 2 | - | - | 1* | 4* | 7 | 6* | 6* | 5* | 2 | - | - |
| CN = 33 | 9+ | 9 | 8 | 8 | 2 | - | 2 | 9+ | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 9 | 3 | 4 | 9 | 8 | 6 | 4 | 2 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 7 | - | 1* | 2 | 9 | 9 | 8 | 5 | 2 | 1 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | 1* | 5 | 9+ | 9 | 8 | 7 | 6 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - |
| FR = 39 | 1 | - | 1* | - | 1 | 3 | 8 | 8 | 5 | 1 | 2 | 1 | 2 | 4 | 6 | 8 | 9 | 8 | 8 | 8 | 8 | 4 | 1 | 1 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 5 | 7 | 8 | 7 | 7 | 3 | 4 | 1 | 1 | 2 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: May, Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | 8 | 8 | 8 | 7 | 3 | 1 | 1 | 7* | 5* | 4* | 1* | - | - | - | 1 | - | 3 | 5* | 5* | 5 | 7 | 5 | 5 |
| VO2 = 02 | 9 | 9 | 9 | 8 | 7 | 2 | - | 5 | 6 | 6 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| W6 = 03 | 9 | 9 | 8 | 8 | 8 | 5 | - | 5* | 5* | 4* | 2* | 1* | - | 1 | 4 | 5 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 |
| W9 = 04 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | 3 | 1 | 3 | - | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 8 | 7 | 8 | 4 | - | 2 | 3 | 1 | 7 | 8 | 8 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 8 | 9 | 7 | 1 | 3* | 4 | 9 | 1 | 6 | 8 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 8 | 8 | 8 | 5 | 1* | 4* | 4* | 7 | 1* | 8 | 8 | 7 | 8 | 6 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 8 | 6 | 4 | 5 | 1 | 1* | - | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9 | 8 | 5 | 6 | 1 | 1* | 3* | 5 | 1 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 8 | 9 | 8 | 7 | 1 | 4* | 6 | 1* | 5 | 7 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9 | 6 | 9+ | 9+ | 9+ | 9 | 1 | - | 8 | 7 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9+ | 9+ | 9 | 8 | 8 | 4 | - | - | - | - | - | 8 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9 | 4 | 3 | 2 | 1 | - | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 6 | 5 | 4 | - | - | - | 9 | 9 | 8 | 8 | 8 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| I = 15 | 6 | 4 | 2 | 2 | - | - | 1 | 9+ | 9 | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | 6 | 4 | 5 | 5 | - | - | 5 | 9 | 8 | 8 | 9 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UN = 17 | 8 | 9 | 9 | 7 | 1 | 2 | 7 | 6 | 5 | 4 | 9 | 5 | 4 | 3 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 6 | 7 | 6 | 5 | - | - | 4 | 7 | 7 | 6 | 8 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 4 | 5 |
| UA0 = 19 | 8 | 6 | 5 | 5 | - | - | 4 | 8 | 5 | 7* | 6 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 8 | 8 |
| 4X = 20 | 9+ | 9 | 7 | 4 | 1* | - | 8 | 9 | 8 | 7 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 7 | 7 | 2* | 2 | 8 | 9 | 8 | 7 | 7 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 9 | 9 | 9 | 8 | 3 | 4 | 7 | 5 | 3 | 2 | 9 | 5 | 3 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 7 | 5 | 1* | - | 5 | 7 | 6 | 6 | 8 | 4 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 5 | 2 | 2 | 5 |
| VR2 = 24 | 9 | 9 | 8 | 5 | 1 | 1 | 4 | 3 | 5 | 7* | 6 | 4* | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 8 |
| JA1 = 25 | 8 | 6 | 4 | 2 | - | - | 4 | 4 | 3 | 8* | 7* | 5* | 4 | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| HS = 26 | 8 | 9 | 8 | 5 | - | 1 | 5 | 5 | 5 | 8 | 7 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | |
| DU = 27 | 9 | 8 | 7 | 4 | 1* | 1* | 4 | 8 | 5 | 8* | 7* | 5* | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | 4 | 9 |
| YB = 28 | 6 | 5 | 1* | 1* | - | - | 2 | 4 | 6 | 5 | 6 | 4 | 5 | 6 | 7 | 7 | 7 | 6 | 3 | 5 | 5 | 1 | 2* | 1* |
| VK6 = 29 | 1* | 1* | 1* | 1* | 1* | - | - | 6 | 7 | 6 | 6 | 6 | 5 | - | - | - | - | 1* | 1* | - | - | - | 2* | 1* |
| VK3 = 30 | 1* | 1* | 1* | 1* | 1* | - | - | 1 | 8 | 5 | 3* | 2* | - | - | - | - | - | - | - | - | 3* | 2* | 2* | 2* |
| KH6 = 31 | 7 | 8 | 7 | 7 | 7 | 5 | 1* | 3* | 5* | 9 | 8 | 7 | 5 | 2* | 2* | 3 | 7 | 7 | 7 | 8 | 6 | 5 | 5 | 6 |
| KH8 = 32 | 5 | 6 | 5 | 5 | 7 | 5 | 4* | 2* | 2 | 2* | 4* | 3* | 2* | 2* | 4* | 5* | 1* | 6 | 6 | 8* | 7* | 6 | 6 | 5 |
| CN = 33 | 2 | - | - | 1 | - | - | - | 1 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 |
| SU = 34 | 9+ | 9 | 7 | 4 | 2* | - | 7 | 9 | 9 | 8 | 6 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9 | 8 | 8 | 9 | 6 | - | 1 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 8 | 1 | 2* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 6 | 1 | 2* | 2* | 1* | 7 | 9+ | 9 | 9 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 3* | - | - | 7 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - |
| FR = 39 | - | - | 3* | 1* | 1* | - | 7 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 8 | 5 | 6 | 4 | 2 | - | - | - |
| FJL = 40 | 1 | 1 | - | - | 4 | - | 4 | 7 | 7 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 7 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: May, Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 3 | 3 | 6 | 4 | - | - | - | 6* | 5* | 1* | - | - | - | - | - | - | - | 2* | 5* | 1* | 4 | - | - |
| VO2 = 02 | 8 | 7 | 6 | 5 | 3 | - | - | 1 | - | - | 2 | 6 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 8 | 3 | 2 | 5 | 1 | - | 1* | 3* | 2* | 1* | - | - | - | - | 5 | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 9 |
| W9 = 04 | 8 | 7 | 5 | 3 | 6 | 1 | - | - | - | - | - | 1 | 6 | 7 | 5 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 8 | 8 | 2 | 1 | 4 | - | - | - | - | - | 1 | 6 | 8 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 8 | 5 | 3 | 6 | 2 | - | 3* | 1* | 7 | - | - | 7 | 8 | 8 | 8 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 5 | 3 | 1 | 4 | 1 | 1* | 4* | 2* | 2 | - | 1 | 7 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 3 | 1 | - | - | - | - | - | - | 1 | - | 9 | 9 | 9 | 9 | 6 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 |
| P4 = 09 | 5 | 3 | - | - | 1 | - | - | 1* | - | - | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| HC = 10 | 9 | 9 | 8 | 5 | 6 | 3 | 1* | 4* | 2 | - | - | 7 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 9 | 9 | 5 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 2* |
| CE = 12 | 9 | 8 | 3 | 1 | 3 | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 7 | 4 | - | - | - | - | - | - | - | - | 3 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| G = 14 | 1 | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 7 | 5 |
| I = 15 | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 2 |
| UA3 = 16 | - | - | - | 1 | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 2 |
| UN = 17 | 5 | 6 | 6 | 4 | - | - | 6 | 8 | 7 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 |
| UA9 = 18 | - | 1 | - | 1 | - | - | 2 | 8 | 8 | 7 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 4 | - | 1* | - |
| UA0 = 19 | 4 | 2 | 1 | 1 | - | - | 1 | 8 | 6 | 7* | 6 | 6 | 5 | 5 | 5 | 5 | 2 | 2 | 1 | 1 | 6* | 4* | 3 | 5 |
| 4X = 20 | 7 | 5 | 2 | - | 1* | - | 3 | 3 | 9 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| HZ = 21 | 9 | 6 | 3 | 4 | 1* | - | 6 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 8 | 5 | 1 | 1 | 7 | 7 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 7 | 7 | 8 | 8 | 8 | 6 |
| JT = 23 | 2 | 4 | 2 | 2 | - | - | 4 | 8 | 6 | 6 | 6 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 6 | 4 | - | 4* | 1* | - |
| VR2 = 24 | 8 | 9 | 7 | 3 | 1* | - | 3 | 3 | 4 | 7* | 7* | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 8 | 7 | 4 | 2* | 5 |
| JA1 = 25 | 5 | 1 | 1 | 1 | - | - | 2 | 7 | 5 | 8* | 8* | 6 | 6 | 6 | 7 | 7 | 7 | 5 | 3 | 2 | 5 | 7 | 8 | 8 |
| HS = 26 | 6 | 8 | 5 | 2* | 1* | - | 5 | 7 | 6 | 6 | 6 | 4* | 6 | 5 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 4 | - | 3* |
| DU = 27 | 9 | 8 | 5 | 2* | 1* | 1* | 3 | 6 | 5 | 8* | 8* | 5* | 6 | 6 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 1* | 4* | 8 |
| YB = 28 | 2* | 2* | 1* | - | - | - | 1 | 6 | 6 | 6* | 6 | 6 | 7 | 7 | 5 | 3* | 4* | 2* | - | - | - | - | - | 2* |
| VK6 = 29 | 1* | 1* | - | - | - | - | - | - | 8 | 8 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | 3* | 2* |
| VK3 = 30 | 1* | - | - | - | - | - | - | - | 6 | 4* | 1* | 1* | - | - | - | - | - | - | - | - | 1* | 4* | 3* | 2* |
| KH6 = 31 | 5 | 5 | 2 | 1 | 4 | 1 | - | 3* | 6* | 8 | 7 | 5 | 3* | 2* | 2* | 2* | 4 | 6 | 6 | 6 | 6 | 6 | 7 | 6 |
| KH8 = 32 | 4 | 2 | 1* | - | 4 | 1 | 2* | 5* | 2* | 4* | 5* | 4* | 3* | 3* | 3* | 2* | - | 2 | 7 | 8 | 8 | 7 | 6 | 4 |
| CN = 33 | - | - | - | - | - | - | - | - | 8 | 7 | 3 | 1 | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | - | - |
| SU = 34 | 6 | 4 | 2 | - | 1* | - | 3 | 9+ | 9 | 8 | 5 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| 6W = 35 | 3 | 1 | - | 5 | 1 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| D2 = 36 | 8 | 6 | 8 | 3 | - | 1* | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| 5Z = 37 | 2 | - | - | 2* | 2* | - | 2 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 6 | 5 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 6 | 3 | - | - | - | - | - |
| FR = 39 | - | - | 1* | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 7 | 1 | 1 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 1 | 2 | 4 | 2 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 6 | 5 | 3 | 1 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: May, Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 2 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | 2* | - | - | - | - |
| VO2 = 02 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 4 |
| W6 = 03 | 4 | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1* | 3* | 3 | 4 | 5 | 5 | 7 | 8 |
| W9 = 04 | 2 | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 | 4 | 5 | 6 | 7 | 8 | 2 |
| W3 = 05 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 7 | 8 | 5 | 4 | 6 | 7 | 8 | 5 | 6 |
| XE1 = 06 | 2 | 1 | - | - | 1 | - | - | - | - | 1 | - | - | - | 2 | 3 | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 4 |
| TI = 07 | 6 | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 7 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 5 | - | - | 2 | 5 | 8 | 9+ | 9 | 9 | 4 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | - | - | 3 | 6 | 9 | 9 | 9 | 9 | 6 | - |
| HC = 10 | 6 | 5 | 2 | - | 2 | - | - | 1* | - | - | - | - | 5 | 6 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 9 | 7 |
| PY1 = 11 | 9 | 9 | 6 | 3 | 7 | - | - | - | - | 9 | 1 | 6 | 7 | 5 | 4 | 5 | 8 | 9+ | 9+ | 9+ | 9 | 4 | 9+ | 9+ |
| CE = 12 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 5 |
| LU = 13 | 1 | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 2 | - | - | 3 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - |
| I = 15 | - | - | - | - | - | - | - | - | 2 | 1 | 1 | 5 | - | - | 1 | 5 | 6 | 9 | 9+ | 9 | 9 | 4 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 2 | 4 | 6 | 8 | 8 | 7 | 5 | - | - |
| UN = 17 | - | 1 | 1 | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | 1 | 1 |
| UA9 = 18 | - | - | - | - | - | - | - | 1 | 7 | 5 | 5 | 4 | 3 | 3 | 3 | 4 | 4 | 6 | 5 | 2 | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | 1 | 3 | 6* | 5* | 4* | 3 | 2 | 1 | - | - | - | - | - | 1* | 2* | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 8 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 1 | 1 | 1 |
| HZ = 21 | 4 | 2 | - | - | 1* | - | 3 | 5 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 |
| VU = 22 | 4* | 3 | 6 | 2 | - | - | 5 | 8 | 8 | 6 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 4 | - | - | 3 | 2 | 2 | - |
| JT = 23 | - | - | - | - | - | - | 1 | 5 | 5 | 4 | 7* | 4 | 4 | 3 | 3 | 4 | 5 | 3 | 1 | - | - | - | - | - |
| VR2 = 24 | 7 | 7 | 3 | 1 | - | - | 2 | 6 | 5 | 5 | 7* | 6 | 7 | 7 | 8 | 8 | 7 | 6 | 6 | 5 | 2 | - | 2* | 4* |
| JA1 = 25 | 1 | - | - | - | - | - | - | 2 | 3 | 5* | 8* | 5 | 6 | 5 | 4 | 1 | 2 | - | - | - | 1* | 5* | 3 | 3 |
| HS = 26 | 5* | 5* | 3* | 1* | 1* | - | 1 | 6 | 8 | 7 | 8 | 5 | 5 | 7 | 8 | 8 | 5 | 2 | - | - | - | - | - | 4* |
| DU = 27 | 8 | 5 | 4* | 1* | 2* | - | 2 | 7 | 7 | 7 | 8* | 7 | 8 | 8 | 8 | 5 | 4 | 3 | 2 | 3 | - | - | 6* | 5 |
| YB = 28 | 1* | - | - | - | - | - | - | 1 | 7 | 8 | 7 | 8 | 7 | 5 | 3* | 2* | 1* | - | - | - | - | - | - | 2* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 6 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - | 5* | 2* | 1* |
| KH6 = 31 | 1 | 1 | - | - | - | - | - | - | 7* | 5 | 4 | 2 | 2* | 1* | 1* | - | - | 6 | 6 | 6 | 6 | 7 | 6 | 2 |
| KH8 = 32 | 1* | - | - | - | 1 | - | 1* | 5* | 6* | 6* | 6* | 5* | 3* | 1* | 1* | - | - | - | 8 | 8 | 8 | 7 | 4* | 2* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 5 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 6 | 5 | 2 | 5 | 9 | 6 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | 1 | 1 | 1 |
| 6W = 35 | - | - | - | - | - | - | - | - | 5 | 9+ | 9+ | 9 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 8 | 1 | - |
| D2 = 36 | 1 | - | 2 | - | - | - | 1 | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2 | 5 |
| 5Z = 37 | - | - | - | - | 1* | - | - | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | 3* | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 5 | 7 | 9 | 9 | 5 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: May, Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 4 | 7 | 8 | 8 | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | 4 | 5 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | - | - | 1 | 2 | 7 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 6 | 7 | 8 | 8 | 3 | - |
| TI = 07 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 2 | 5 | 7 | 8 | 9 | 8 | 8 | 6 | 1 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 5 | 5 | 2 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 2 | 5 | 6 | 4 | - | - |
| HC = 10 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 5 | 6 | 8 | 9 | 9 | 9 | 6 | 1 |
| PY1 = 11 | 8 | 4 | - | - | 2 | - | - | - | - | 3 | 9+ | - | - | 1* | 1* | 1* | 2 | 4 | 6 | 6 | 4* | 9+ | 9 | 7 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | - | 1 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 4* | 1* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 2* | 1 | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 7 | 5 | 1 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 5 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 5 | 3 | 1 | - | - |
| UN = 17 | - | - | - | - | - | - | 1 | 2 | 7 | 6 | 6 | 5 | 4 | 4 | 5 | 5 | 4 | 6 | 5 | 4 | 2 | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 2 | - | 1* | 1* | 1* | - | - | - | - | 1 | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | 1* | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | 1 | 3 | 6 | 7 | 9 | 9+ | 8 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 5 | 7 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | 3 | 2 | 1 |
| VU = 22 | 1* | 1* | 2 | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 6 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | 1 | - | 5* | 4* | 1* | - | - | - | 1 | - | - | - | - | - | - | - |
| VR2 = 24 | 4* | 2 | - | - | - | - | 1 | 2 | 6 | 6 | 7 | 7 | 7 | 8 | 7 | 6 | 4 | 3 | 2 | 1 | - | - | - | 2* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | 1* | 6* | 2* | 2 | 1 | - | - | - | - | - | - | - | 2* | - | - |
| HS = 26 | 3* | 2* | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | 2* |
| DU = 27 | 4 | 2* | 1* | - | - | - | - | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | 2* | 5* |
| YB = 28 | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 6 | 4* | 2* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | 1 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 3* | 2* | 1 | 1* | 2* | 1* | - | - | - | 1 | 1 | 1 | 5 | 7 | 2 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 1* | 6* | 6* | 5* | 2* | 1* | - | - | - | - | - | 5 | 8 | 8 | 5 | 1* | 1* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 2* | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1* | 1 | - | - | 1 | 5 | 6 | 7 | 9 | 9 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 7 | 7 | 1 | 2 | 4 | 4 | 2 | 3* | 4 | 7 | 7 | 6 | 1 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2* | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | 3 | 2 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jun., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 4 | 5 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W6 = 03 | - | - | - | - | 1 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | - | 4 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 3 | 5 | 5 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| P4 = 09 | 4 | 4 | 5 | 5 | 6 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 |
| CE = 12 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 |
| G = 14 | 4 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 |
| I = 15 | 4 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 |
| UA3 = 16 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 2 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| HZ = 21 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 6 |
| SU = 34 | 4 | 3 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 | 5 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 9 | 9 |
| FR = 39 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 | 6 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jun., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 7 | 8 | 9 | 9 | 9 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| W6 = 03 | - | - | - | 1 | 4 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 7 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | 1 | 4 | 6 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 8 | 7 | 8 | 8 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 7 | 7 | 8 | 8 | 9 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| HC = 10 | 5 | 6 | 6 | 7 | 6 | 7 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 |
| CE = 12 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 6 | 7 |
| G = 14 | 7 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 5 | 6 |
| I = 15 | 7 | 7 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 |
| UA3 = 16 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 5 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 5 | 5 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| HZ = 21 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 6 | 5 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 | 2 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 8 | - | - | - | - | - | - | - | - | 1 | 1 | 2 | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 |
| SU = 34 | 7 | 6 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jun., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 1 | 2 | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 |
| W6 = 03 | 1 | 2 | 5 | 6 | 7 | 7 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 9 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| XE1 = 06 | 6 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| TI = 07 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 5 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | 1 | - | - |
| 4X = 20 | 8 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 7 | 5 | 3 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 | 5 | 2 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 2 | 1 | - | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 | 5 | 1 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 1 | - | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 7 | 7 | 2 |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 5 | 6 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 2 | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | - | - | - | - | - | 3 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9+ | 9 | 9 | 5 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 8 | 8 |
| FJL = 40 | 6 | 6 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jun., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 2 | 3 | 4 | 5 | 5 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 8 | 9 |
| W6 = 03 | 3 | 5 | 7 | 7 | 7 | 8 | 6 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 7 |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 5 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 3 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 5 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | 1 | 1 | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 5 | 6 | 6 | 3 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 2 | 5 | 8 | 7 | 5 | 1 | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 7 | 2 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 8 | 4 | 1 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 4 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 6 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 7 | 7 | 8 | 7 |
| UA9 = 18 | 6 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 6 | 6 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 5 | 1 | 1 |
| 4X = 20 | 9 | 9 | 8 | 7 | 5 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 7 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 6 | 5 | 6 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 6 | 6 | 6 | 6 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 2 | 3 | 4 | 6 | 5 | 2 | 1 |
| HS = 26 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 7 | 6 | 6 |
| YB = 28 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 6 |
| VK6 = 29 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 7 | 5 | 6 |
| VK3 = 30 | 5 | 1 | 1 | 1 | - | 1 | 2 | 5 | 3 | 3 | 1 | - | - | - | - | - | 1 | 5 | 6 | 5 | 2 | 3 | 6 | 6 |
| KH6 = 31 | - | - | 1 | 5 | 6 | 6 | 5 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | 1 | 5 | 6 | 7 | 5 | 5 | 7 | 5 | 2 | - | - | - | - | - | - | 1* | 1* | 2* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 5 | 1 | 6 | 8 | 5 | 4 | 2 | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 5 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9 | 9 | 9 | 8 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 | 8 | 5 | 3 | 3 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 5 | 5 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 5 | 6 | 6 | 2 | - | - | 8 | 8 | 6 | 2 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 6 |
| FR = 39 | 6 | 4 | 2 | 5 | 4 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 | 7 | 7 | 7 | 6 |
| FJL = 40 | 6 | 8 | 6 | 6 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 6 | 7 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jun., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 7 | 7 | 6 | 3 | 2 | 7 | 7 | 6 | 5 | 3 | 1 | 1 | 1 | 2 | 4 | 5 | 5 | 6 | 7 | 7 | 7 | 7 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | 7 | 9 | 8 | 7 | 8 | 6 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | 4 | 7 | 5 | 1* | 1 | 2 | 1 | 1 | 1 | 1* | 3 | 1 | 2 | 3 | 4 | 6 | 7 |
| W9 = 04 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | 5 | 7 | 8 | 8 | 7 | 1 | 5 | 5 | 4 | 5 | 5 | 5 | 7 | 8 | 8 | 9 | 9 |
| W3 = 05 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | 5 | 8 | 8 | 9 | 8 | 7 | 5 | 5 | 5 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 8 | 7 | 1 | 1 | 9 | 9 | 8 | 6 | 3 | 2 | 3 | 4 | 4 | 3 | 1 | 2 | 5 | 7 | 9 | 9 |
| TI = 07 | 9 | 9 | 8 | 8 | 8 | 5 | 2* | 1* | 6 | 8 | 8 | 7 | 5 | 4 | 4 | 4 | 3 | 5 | 4 | 5 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9 | 8 | 6 | 5 | 1 | 1* | 2* | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9 | 9 | 7 | 6 | 2 | 1* | 1* | 7 | 9 | 9 | 8 | 7 | 5 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 8 | 9 | 8 | 7 | 2 | 1 | 6 | 6 | 7 | 8 | 5 | 2 | 2 | 3 | 3 | 4 | 6 | 7 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9 | 9 | 5 | 9+ | 9+ | 9+ | 7 | 5 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9 | 9 | 9 | 6 | - | - | - | - | 6 | 8 | 7 | 5 | 3 | 2 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9 | 8 | 7 | 7 | 4 | - | - | - | 5 | 9+ | 9 | 8 | 5 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 6 | 5 | - | - | 1 | 8 | 6 | 5 | 4 | 3 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| I = 15 | 9 | 8 | 5 | 2 | - | - | 4 | 9 | 8 | 7 | 5 | 3 | 2 | 2 | 3 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 9 | 7 | 6 | - | - | 5 | 7 | 6 | 3 | 2 | 2 | 2 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 8 | 7 | 2 | 2 | 5 | 2 | 1 | 1 | - | - | - | 1 | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 8 | 6 | 3 | - | - | 4 | 2 | 1 | - | - | - | - | 2 | 1 | 2 | 4 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| UA0 = 19 | 5 | 5 | 4 | 1 | - | - | 1 | - | 4* | 4* | 3* | 1* | 1* | - | - | 1 | 3 | 8 | 7 | 8 | 8 | 8 | 8 | 8 |
| 4X = 20 | 9+ | 9 | 8 | 6 | - | 1 | 3 | 8 | 6 | 4 | 2 | 1 | 2 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 8 | 8 | 3 | 5 | 7 | 6 | 5 | 2 | 2 | - | 1 | 1 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 9 | 9 | 9 | 8 | 4 | 4 | 3 | 1 | 1 | - | - | - | 1 | 1 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 7 | 6 | 3 | - | - | 2 | 1 | 1* | - | 1* | 1* | - | 1 | 1 | 3 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 8 |
| VR2 = 24 | 7 | 6 | 4 | 1 | - | - | - | - | 1* | 3* | 2* | 1* | - | - | 1 | 4 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 5 | 3 | 2 | - | - | - | 1 | - | 5* | 6* | 4* | 2* | 1* | - | - | 1 | 6 | 8 | 8 | 9 | 8 | 8 | 8 | 7 |
| HS = 26 | 8 | 8 | 8 | 5 | 1 | 1 | - | 1 | - | 1* | 1 | - | 1 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 5 |
| DU = 27 | 7 | 5 | 4 | 1 | - | - | - | - | 1* | 5* | 4* | 2* | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| YB = 28 | 8 | 6 | 4 | 1 | - | - | 1 | 1 | 2* | 2* | 2* | 1 | 1 | 3 | 4 | 7 | 8 | 9 | 8 | 8 | 8 | 8 | 2 | 2 |
| VK6 = 29 | 2 | 2 | 3 | 1 | - | - | 1 | 5 | 6 | 7 | 4 | 3 | 3 | 1 | - | - | - | 1* | 1* | 1* | 1 | 1* | 1* | 1* |
| VK3 = 30 | 2 | 1 | 1 | 2 | - | - | - | 7 | 8 | 7 | 3 | - | - | - | - | - | 1 | 2 | 2 | 1* | 1* | 1* | 3 | 5 |
| KH6 = 31 | 1 | 5 | 6 | 6 | 7 | 5 | 2* | 3* | 8 | 9 | 8 | 6 | 1 | - | 1* | 2* | 3* | 4* | 6* | 6* | 2* | - | - | - |
| KH8 = 32 | 3 | 5 | 6 | 7 | 8 | 7 | 2* | 2 | 8 | 7 | 4 | 2 | 1 | - | - | 1* | 1* | 5 | 6* | 5 | 5* | 3 | 2 | 1 |
| CN = 33 | 7 | 3 | - | 1 | - | - | - | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9 | 8 | 5 | 1* | 1 | 9 | 8 | 6 | 5 | 3 | 2 | 2 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 8 | 9 | 6 | - | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 6 | 5 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 5 | - | 1* | 1 | 9 | 9 | 8 | 3 | 2 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | - | 2 | 9+ | 9 | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 7 | 1 | - | - | - |
| FR = 39 | - | - | 1* | - | - | 1 | 8 | 8 | 4 | 3 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 8 | 5 | 4 | 2 | 4 | 1 | 1 |
| FJL = 40 | 9 | 9 | 8 | 7 | 4 | 1 | 5 | 8 | 7 | 7 | 5 | 4 | 3 | 2 | 3 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jun., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 2 | - | 3 | 2 | - | - | - | 7* | 6* | 4* | 2* | 1* | - | - | - | 1* | 2 | 5* | 5 | 5 | 6 | 7 | 7 |
| VO2 = 02 | 9 | 7 | 6 | 4 | 2 | - | - | 2 | 4 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 8 | 2 | 1 | 3 | - | - | 5* | 5* | 4* | 3* | 1* | - | - | 5 | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9 | 7 | 5 | 3 | 4 | - | - | 2* | 1 | 2 | - | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 4 | 1 | 1 | 2 | - | - | - | 3 | - | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 8 | 6 | 3 | 5 | 1 | - | 5* | 4* | 8 | 1* | 5 | 8 | 7 | 7 | 8 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 6 | 3 | 1 | 2 | - | 1* | 4* | 4* | 5 | - | 4 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 5 | 2 | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| P4 = 09 | 7 | 4 | 1 | - | - | - | 1* | 2* | 1* | - | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 9 | 9 | 7 | 5 | 5 | 2 | 1* | 2* | 2* | - | 2 | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 8 | - | - | 3 | 3 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 |
| CE = 12 | 9 | 8 | 4 | 1 | 3 | - | - | - | - | - | - | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 5 | 2 | - | - | - | - | - | - | - | - | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 |
| G = 14 | 2 | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9 | 7 |
| I = 15 | 1 | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 |
| UA3 = 16 | 5 | 1 | - | - | - | - | 2 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UN = 17 | 8 | 9 | 8 | 5 | - | - | 7 | 6 | 5 | 3 | 9 | 6 | 6 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 6 | 7 | 1 | - | - | - | 3 | 8 | 7 | 8 | 8 | 5 | 5 | 7 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 |
| UA0 = 19 | 6 | 2 | - | - | - | - | 2 | 6 | 5 | 8* | 6 | 6 | 5 | 5 | 6 | 8 | 8 | 8 | 7 | 6 | 7* | 6 | 7 | 8 |
| 4X = 20 | 8 | 5 | 2 | - | - | - | 5 | 9 | 8 | 7 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 |
| HZ = 21 | 5 | 6 | 2 | 5 | 1* | 1 | 7 | 9 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| VU = 22 | 9 | 9 | 9 | 7 | 1 | 2 | 7 | 5 | 3 | 2 | 6 | 5 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 6 | 4 | 1 | - | - | 3 | 5 | 6 | 7 | 8 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 5 | 4 | 5 |
| VR2 = 24 | 9 | 8 | 7 | 4 | 1* | - | 3 | 3 | 7 | 6* | 6 | 4* | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 8 |
| JA1 = 25 | 7 | 3 | 1 | - | - | - | 2 | 5 | 5 | 8* | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 |
| HS = 26 | 6 | 9 | 6 | 2 | - | - | 4 | 5 | 5 | 8 | 7 | 4 | 6 | 5 | 8 | 8 | 9 | 9 | 8 | 6 | 3 | 1 | 1* | 1* |
| DU = 27 | 9 | 8 | 6 | 2 | 1* | - | 4 | 8 | 7 | 7* | 7* | 5* | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 4* | 2* | 8 |
| YB = 28 | 5 | 2 | - | - | - | - | 1 | 5 | 6 | 5 | 4 | 5 | 5 | 7 | 7 | 7 | 7 | 5 | 1 | 3 | 2 | 1 | 1* | 1* |
| VK6 = 29 | 1* | - | - | - | - | - | - | 5 | 8 | 8 | 7 | 6 | - | - | - | - | - | - | 1* | - | - | - | 2* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 8 | 4* | 1* | - | - | - | - | - | - | - | - | - | 3* | 2* | 2* | 1* |
| KH6 = 31 | 5 | 5 | 2 | 1 | 2 | - | - | 4* | 5* | 9 | 9 | 8 | 4 | 2* | 3* | 5 | 7 | 7 | 8 | 8 | 6 | 5 | 5 | 5 |
| KH8 = 32 | 3 | 2 | 1 | 1 | 4 | 1 | 2* | 3* | 2* | 2* | 4* | 3* | 2* | 1* | 1* | - | - | 5 | 8 | 8* | 7 | 7 | 5 | 3 |
| CN = 33 | - | - | - | - | - | - | - | - | 9+ | 9+ | 8 | 7 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - |
| SU = 34 | 7 | 2 | 1 | - | - | - | 5 | 9+ | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| 6W = 35 | 6 | 1 | - | 2 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| D2 = 36 | 9 | 9 | 9 | 5 | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 2 | 1 | - | 1* | 1* | - | 5 | 9+ | 9 | 9 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 5 |
| ZS6 = 38 | - | - | - | - | - | - | - | 5 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 5 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 5 | 2 | - | - | - | - | - | - |
| FJL = 40 | 3 | 3 | 1 | 2 | - | - | - | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jun., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | 5* | 5* | 2* | 1* | - | - | - | - | - | - | 4* | 1* | - | 1 | - | - |
| VO2 = 02 | 6 | 2 | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 5 | 3 | - | - | - | - | - | 1* | 5* | 3* | 2* | - | - | - | 2 | 2 | 6 | 5 | 6 | 6 | 7 | 7 | 8 | 7 |
| W9 = 04 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 5 | 7 | 7 | 6 | 7 | 8 | 8 | 9 | 7 |
| W3 = 05 | 7 | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 4 | 5 | 7 | 8 | 7 | 7 | 9 | 8 | 9 | 8 | 4 |
| XE1 = 06 | 5 | 3 | - | - | - | - | - | 3* | 1* | 5 | - | - | 5 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 |
| TI = 07 | 7 | 1 | - | - | - | - | - | 3* | - | 1 | - | - | 3 | 8 | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 8 | 2 | 2 | 4 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 1 |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 6 | 5 | 6 | 9 | 9 | 9 | 9+ | 9+ | 8 | 1 |
| HC = 10 | 7 | 5 | 2 | - | 1 | - | - | 2* | - | - | - | 4 | 6 | 8 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 8 |
| PY1 = 11 | 9 | 9 | 7 | 5 | 7 | 2 | - | - | - | 9+ | 8 | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3* | 9+ |
| CE = 12 | 3 | 1 | - | - | - | - | - | - | - | - | - | 4 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 4 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | 1 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 1 |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | - |
| I = 15 | - | - | - | - | - | - | - | - | 9 | 6 | 6 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9 | 7 | 1 | - |
| UA3 = 16 | - | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | 1 |
| UN = 17 | 1 | 6 | 3 | 1 | - | - | 5 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 3 |
| UA9 = 18 | - | 2 | - | - | - | - | - | 5 | 7 | 7 | 6 | 6 | 4 | 4 | 1 | 7 | 8 | 8 | 8 | 7 | 4 | 3* | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | 5 | 2 | 8* | 6* | 5 | 5 | 5 | 6 | 6 | 5 | 2 | - | - | 4* | 2* | - | 3 |
| 4X = 20 | - | - | - | - | - | - | 1 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 3 | 1 |
| HZ = 21 | - | 1 | - | 1 | - | - | 5 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 |
| VU = 22 | 7 | 6 | 7 | 3 | - | - | 6 | 8 | 6 | 5 | 4 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 8 | 7 | 7 | 7 | 6 | 5 |
| JT = 23 | 4 | 1 | - | - | - | - | 2 | 7 | 6 | 5 | 5* | 4 | 6 | 5 | 7 | 7 | 8 | 8 | 7 | 3 | - | 2* | - | - |
| VR2 = 24 | 8 | 8 | 5 | 1 | - | - | 2 | 6 | 3 | 4* | 7* | 5* | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | 5* | 6 |
| JA1 = 25 | 4 | - | - | - | - | - | - | 6 | 5 | 8* | 8* | 7 | 7 | 7 | 7 | 8 | 8 | 6 | 2 | - | 1 | 5 | 8 | 6 |
| HS = 26 | 3* | 6 | 2 | - | - | - | 4 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 7 | 8 | 8 | 7 | 4 | - | - | - | - | 3* |
| DU = 27 | 8 | 6 | 3 | - | - | - | 2 | 6 | 5 | 5 | 8* | 5 | 6 | 7 | 8 | 7 | 6 | 5 | 4 | 2 | - | 1* | 4* | 6 |
| YB = 28 | 1 | - | - | - | - | - | - | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | 1 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 5* | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 3* | - |
| KH6 = 31 | 2 | 1 | - | - | - | - | - | 3* | 7* | 9 | 7 | 6 | 2* | 2* | 1* | 1* | 6 | 7 | 6 | 6 | 6 | 6 | 5 | 3 |
| KH8 = 32 | 1* | - | - | - | 1 | - | 1* | 5* | 5* | 4* | 4* | 2* | 1* | - | - | - | - | - | 8 | 8 | 8 | 7 | 5* | 3* |
| CN = 33 | - | - | - | - | - | - | - | - | 1 | 4 | - | 2 | 2 | 2 | 4 | 5 | 7 | 8 | 9+ | 9+ | 9 | 5 | - | - |
| SU = 34 | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 2 | - |
| 6W = 35 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 |
| D2 = 36 | 5 | 2 | 5 | - | - | - | 3 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 7 |
| 5Z = 37 | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 1 | 1 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 8 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 5 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | 3 | 9 | 8 | 7 | 7 | 7 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | 1 | - | - | 1 | 2 | 2 | 2 | 1 | 1 | 1 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jun., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 6 | 6 | 5 | 5 | 6 | 8 | 8 | 7 | 1 |
| W6 = 03 | - | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | 2 | 3* | 2 | 4 | 4 | 4 | 4 | 1 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 5 | 5 | - |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 4 | 4 | 2 | 8 | 4 | 6 | 2 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 4 | 6 | 8 | 8 | 8 | 5 | - |
| TI = 07 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 7 | 1 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | - | - | 1* | 1* | 1 | 5 | 7 | 6 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | 1* | 2* | 3 | 6 | 8 | 6 | - | - |
| HC = 10 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 2 | 3 | 5 | 9 | 9 | 9 | 9 | 6 | 2 |
| PY1 = 11 | 8 | 6 | - | - | 1 | - | - | - | - | 8 | - | 5 | 6 | 4 | 2 | 1 | 1 | 4 | 6 | 7 | 6 | 3* | 9 | 6 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 2 | 7 | 8 | 8 | 8 | 9 | 9+ | 9 | 9 | 4* | 2* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 5 | - | - |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 1 | - | 1 | 2 | 4 | 4 | 5 | 5 | 7 | 9 | 9 | 9 | 2 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 1* | 1 | 1 | - | - | 1 | 2 | 4 | 6 | 8 | 8 | 5 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 2 | 1 | - | - | 1 | 2 | 4 | 6 | 7 | 7 | 1 | - | - |
| UN = 17 | - | 1 | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 3 | 2 | 2* | 1* | 1* | 1* | 1* | 1* | 1 | 2 | 1 | - | - | 1* | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | 4* | 6* | 3* | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 4 | - | - | 5 | 8 | 4 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9 | 4 | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - |
| VU = 22 | 2 | 2 | 1 | - | - | - | 2 | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 6 | 1 | 1 | 1 | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | 2 | 1 | 1 | 7* | 4* | 2* | 1* | 1* | 1 | 1 | 1 | - | - | - | - | - | - |
| VR2 = 24 | 6 | 4 | 1 | - | - | - | 1 | 5 | 7 | 7 | 7* | 5 | 7 | 8 | 8 | 7 | 5 | 4 | 4 | 1 | - | - | 2* | 3* |
| JA1 = 25 | - | - | - | - | - | - | - | 1 | 1 | 3* | 8* | 5 | 4 | 3 | 3 | 3 | 2 | - | - | - | - | 2* | 1 | 1 |
| HS = 26 | 2* | 2* | - | - | - | - | - | 4 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | 2* |
| DU = 27 | 4 | 2 | - | - | - | - | 1 | 5 | 8 | 7 | 8* | 7 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | 5* | 4* |
| YB = 28 | - | - | - | - | - | - | - | 2 | 8 | 8 | 9 | 8 | 7 | 2 | 2* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | 6 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 2* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 6* | 6 | 5 | 3 | 1* | 1* | 1* | - | 3 | 5 | 6 | 6 | 6 | 6 | 3 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 3* | 6* | 2* | 1* | - | - | - | - | - | - | - | 5 | 9 | 8 | 6 | 1* | 1* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 6 | 3 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 3 | - | - | 3 | 5 | 3 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9 | 4 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 2 | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | 2 | 2 | 6 | 6 | 3 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 5 | 3 | 4* | 3* | 2 | 4 | 3 | 1 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jun., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 5 | 1 | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | 1 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 3 | 1* | - | 2 | 5 | 4 | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 1 | 2 | 5 | 7 | 8 | 6 | 1 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | 1 | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 5 | 1 | - |
| PY1 = 11 | 3 | 1 | - | - | - | - | - | - | - | 1 | 9 | - | - | 9 | 9+ | 9+ | 9+ | 4* | 5* | 4* | 2* | 9 | 5 | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 2 | 9 | 9 | 9 | 9 | 9+ | 9 | 5 | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 7 | 7 | 9 | 9 | 6 | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 4 | 2 | 2 | 2 | 2 | 3 | 4 | 2 | 1 | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 1* | 1 | 2 | 4 | 6 | 5 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 7 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 3* | 2* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 2 | - | - | - | - | - | - | 1 | 6 | 8 | 6 | 6 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | 5* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - | - |
| DU = 27 | 1* | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 7 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | 1* |
| YB = 28 | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 5 | 3* | 1* | 1* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 2* | 2 | 1 | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 4 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | 1* | 5* | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 2 | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1* | 1* | 2* | 2 | 4 | 4 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 1 | 1 | 8 | 6 | 5 | 5 | 2 | 3 | 5 | 6 | 4 | 2 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 8 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 7 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 6 | 4 | 4* | 5 | 5 | 6 | 6 | 3 | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 1 | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jul., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W6 = 03 | - | - | - | - | 2 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 3 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 5 | 5 | 5 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| P4 = 09 | 4 | 4 | 5 | 5 | 6 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 2 | 3 | 4 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 |
| G = 14 | 4 | 4 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | 3 |
| I = 15 | 4 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 |
| UA3 = 16 | 4 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 2 |
| HZ = 21 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 5 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 |
| SU = 34 | 2 | 2 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 4 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 4 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jul., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W6 = 03 | - | - | 1 | 2 | 5 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 6 | 6 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | 1 | 4 | 6 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| P4 = 09 | 7 | 7 | 8 | 8 | 9 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 5 | 6 | 7 | 7 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 |
| G = 14 | 7 | 7 | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 6 | 6 |
| I = 15 | 7 | 7 | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 |
| UA3 = 16 | 7 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 7 | 8 | 8 |
| UN = 17 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 5 | 5 | 8 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 5 |
| HZ = 21 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 8 | 8 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 5 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 |
| SU = 34 | 5 | 5 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 7 | 9 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 | 7 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9+ | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jul., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 1 | 2 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| W6 = 03 | 1 | 5 | 6 | 6 | 7 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| XE1 = 06 | 6 | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 8 | 5 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 8 | 8 |
| UN = 17 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 5 | 6 | 4 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 1 | 1 | - |
| 4X = 20 | 8 | 8 | 9 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 | 5 | 4 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 7 | 3 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 1 | 1 | - |
| HS = 26 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 5 | 1 |
| YB = 28 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 6 | 6 | 1 |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 7 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 5 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 8 | 9 | 9 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 6 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 |
| FR = 39 | 8 | 8 | 7 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 8 | 8 |
| FJL = 40 | 7 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jul., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 3 | 4 | 5 | 7 | 6 | 6 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 | 8 | 9 |
| W6 = 03 | 4 | 6 | 7 | 7 | 8 | 7 | 6 | 7 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | 2 | 4 | 5 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 5 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 3 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 8 | 8 | 2 | 2 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | 1 | 1 | 3 | 6 | 8 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 5 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 7 | 9 | 8 | 6 | 2 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 8 | 8 | 8 | 9 | 5 | 2 | 5 | 6 | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 1 | 4 | 8 | 7 | 4 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 6 | 2 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 8 | 3 | 1 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 4 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 6 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 5 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 2 | 1 |
| 4X = 20 | 9 | 8 | 8 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 8 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 5 | 5 | 5 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 7 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 | 6 | 3 | 1 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 7 | 6 | 6 |
| YB = 28 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 | 6 |
| VK6 = 29 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 7 | 7 | 4 | 5 |
| VK3 = 30 | 3 | 1 | - | - | - | - | 1 | 3 | 2 | 1 | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 2 | 3 | 6 | 5 |
| KH6 = 31 | - | - | 1 | 5 | 6 | 6 | 5 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 5 | 6 | 7 | 5 | 4 | 7 | 5 | 1 | - | - | - | - | - | - | 2* | 1* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 4 | 1 | 5 | 8 | 5 | 4 | 2 | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9 | 9 | 9 | 8 | 6 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 7 | 5 | 3 | 3 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 8 | 4 | 4 | 5 | 7 | 4 | 1 | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 2 | 5 | 6 | 2 | - | - | 6 | 8 | 6 | 1 | - | - | - | 1 | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 7 | 6 | 4 |
| FR = 39 | 5 | 3 | 1 | 2 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 7 | 8 | 8 | 7 | 6 | 5 |
| FJL = 40 | 7 | 7 | 7 | 7 | 6 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jul., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 7 | 7 | 6 | 4 | 4 | 7 | 7 | 5 | 5 | 4 | 2 | 2 | 1 | 4 | 4 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 8 | 8 | 3 | 2 | 7 | 9 | 8 | 7 | 7 | 6 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 9 | 9 | 7 | 7 | 4 | 1 | 3 | 6 | 2 | 1* | - | 2 | 2 | 1 | 1 | 2* | 1 | 2 | 2 | 3 | 5 | 6 | 8 |
| W9 = 04 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | 5 | 7 | 7 | 6 | 8 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 8 | 7 | 7 | 4 | 1 | 4 | 8 | 6 | 8 | 7 | 7 | 5 | 5 | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 7 | 1 | 2 | 8 | 9 | 7 | 7 | 4 | 2 | 4 | 2 | 2 | 2 | 1 | 2 | 5 | 8 | 9 | 9 |
| TI = 07 | 9 | 9 | 8 | 7 | 7 | 5 | 1* | 1* | 5 | 8 | 7 | 6 | 5 | 5 | 4 | 5 | 4 | 3 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 8 | 6 | 4 | 4 | - | 1* | 1* | 6 | 9 | 9 | 8 | 7 | 5 | 4 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 9 | 7 | 5 | 5 | 1 | 1* | 1* | 5 | 9 | 9 | 8 | 6 | 5 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 8 | 9 | 8 | 7 | 4 | 2 | 6 | 6 | 7 | 8 | 5 | 3 | 2 | 2 | 3 | 4 | 6 | 7 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 8 | 4 | 9+ | 9+ | 9+ | 7 | 4 | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9 | 8 | 8 | 6 | - | - | - | - | 5 | 8 | 6 | 4 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9 | 6 | 4 | 5 | 3 | - | - | - | 2 | 9 | 9 | 8 | 4 | 3 | 3 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 8 | 6 | 5 | - | - | 1 | 9 | 6 | 5 | 4 | 3 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| I = 15 | 9 | 7 | 5 | 2 | - | - | 2 | 9 | 7 | 7 | 5 | 3 | - | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 8 | 7 | 6 | - | - | 5 | 7 | 7 | 5 | 5 | 2 | 3 | 3 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 8 | 3 | 3 | 5 | 2 | 1 | - | - | - | 1 | 1 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 9 | 7 | 4 | - | - | 4 | 2 | 1 | 1 | 1* | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 7 | 5 | 4 | 2 | - | - | 1 | 1 | 5* | 5* | 3* | 1* | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 4X = 20 | 9+ | 9 | 9 | 7 | - | 1 | 5 | 8 | 6 | 4 | 2 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 5 | 5 | 7 | 6 | 4 | 2 | 1 | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 9 | 9 | 9 | 8 | 5 | 4 | 3 | 1 | 1 | - | - | - | 1 | 2 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 8 | 6 | 4 | - | - | 3 | 1 | 1 | 2* | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 8 |
| VR2 = 24 | 8 | 7 | 4 | 2 | - | - | - | - | 1* | 3* | 2* | 1* | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JA1 = 25 | 5 | 3 | 2 | 1 | - | - | 1 | - | 8 | 6* | 4* | 2* | 1* | - | 1 | 2 | 6 | 9 | 8 | 9 | 9 | 8 | 9 | 7 |
| HS = 26 | 8 | 8 | 8 | 6 | 1 | 1 | - | 1 | - | 1* | - | - | 1 | 2 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 6 |
| DU = 27 | 7 | 5 | 4 | 1 | - | - | - | - | 2* | 5* | 3* | 1* | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| YB = 28 | 8 | 5 | 2 | 1 | - | - | 1 | - | 1* | 1* | 1* | 1 | 1 | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 1 | 1 |
| VK6 = 29 | 1 | 1 | 2 | 1 | - | - | - | 5 | 8 | 8 | 2 | 2 | 2 | - | - | - | - | 1* | 2* | 1 | - | 1* | 1* | 1* |
| VK3 = 30 | 1 | 1 | 1 | 1 | - | - | - | 4 | 8 | 6 | 1 | - | - | - | - | - | - | 1 | - | - | 2* | 1* | 2 | 2 |
| KH6 = 31 | 1 | 5 | 6 | 6 | 6 | 4 | 1* | 3* | 8 | 9 | 8 | 5 | 1 | - | 1* | 2* | 3* | 4* | 5* | 4* | 2* | - | - | 1 |
| KH8 = 32 | 3 | 5 | 5 | 5 | 7 | 6 | 2* | 2* | 7 | 5 | 2 | 1 | - | - | - | 1* | 4* | 7 | 6* | 6* | 5* | 2 | 2 | 1 |
| CN = 33 | 5 | 1 | - | 1 | - | - | - | 8 | 9 | 9 | 9 | 7 | 6 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| SU = 34 | 9+ | 9 | 9 | 5 | 1* | 1 | 9 | 8 | 6 | 4 | 3 | 2 | 2 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9 | 8 | 9 | 5 | - | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 5 | 4 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 6 | 2 | - | 1* | 1* | 8 | 9 | 8 | 3 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | 9+ | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 6 | 1 | - | - | - |
| FR = 39 | - | - | 1* | - | - | - | 7 | 7 | 5 | 4 | 3 | 3 | 3 | 4 | 6 | 8 | 8 | 7 | 3 | 5 | 4 | 2 | - | - |
| FJL = 40 | 9 | 8 | 8 | 8 | 4 | 1 | 5 | 8 | 8 | 7 | 6 | 5 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jul., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 1 | - | 3 | 1 | - | - | - | 7* | 6* | 4* | 2* | - | - | - | - | 2 | 2* | 6* | 5* | 5 | 5 | 6 | 8 |
| VO2 = 02 | 8 | 7 | 5 | 2 | 4 | - | - | 2 | 2 | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 7 | 5 | - | 1 | - | - | 2* | 5* | 4* | 2* | 1* | - | - | 5 | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 8 | 6 | 3 | 1 | 2 | - | - | 1* | 1 | 1 | - | 4 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 8 | 7 | - | - | 1 | - | - | - | 2 | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 6 | 4 | 1 | 3 | - | - | 5* | 4* | 6 | 1* | - | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 5 | 2 | - | 2 | - | - | 5* | 3* | 4 | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 2 | - | - | - | - | - | - | - | - | 2 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 |
| P4 = 09 | 4 | 1 | - | - | - | - | - | 1* | - | - | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| HC = 10 | 9 | 8 | 7 | 4 | 5 | 3 | 1* | 2* | 1* | - | 4 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 9 | 9 | 7 | - | - | 1 | 1 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 |
| CE = 12 | 9 | 7 | 2 | - | 2 | - | - | - | - | - | - | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9+ |
| LU = 13 | 6 | 1 | - | - | - | - | - | - | - | - | 6 | 9+ | 9 | 8 | 7 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| G = 14 | - | - | - | - | - | - | - | 1 | 8 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 8 | 4 |
| I = 15 | - | - | - | - | - | - | - | 6 | 9 | 9 | 8 | 7 | 5 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 2 |
| UA3 = 16 | 2 | - | - | 1 | - | - | 1 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 6 |
| UN = 17 | 6 | 8 | 8 | 6 | - | 1 | 6 | 8 | 7 | 6 | 9 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| UA9 = 18 | 3 | 7 | 1 | 1 | - | - | 2 | 8 | 7 | 7 | 8 | 6 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 3 |
| UA0 = 19 | 4 | 1 | - | 1 | - | - | 1 | 7 | 5 | 7* | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 6 | 5 | 3 | 5* | 4 | 5 | 7 |
| 4X = 20 | 8 | 7 | 4 | 1 | - | - | 6 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| HZ = 21 | 9 | 6 | 3 | 5 | 1* | 1 | 7 | 9 | 9 | 8 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| VU = 22 | 8 | 8 | 9 | 8 | 2 | 2 | 7 | 5 | 3 | 2 | 9 | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 7 | 6 | 5 | 2 | - | - | 3 | 7 | 6 | 7 | 8 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 6 | 3 | 2 | 4 |
| VR2 = 24 | 9 | 8 | 8 | 4 | 1* | - | 3 | 4 | 7 | 6* | 6 | 4* | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 8 |
| JA1 = 25 | 6 | 2 | 1 | - | - | - | 2 | 5 | 5 | 8* | 7* | 6 | 6 | 6 | 7 | 8 | 9 | 8 | 6 | 5 | 7 | 9 | 9 | 8 |
| HS = 26 | 5 | 8 | 6 | 2 | - | - | 4 | 6 | 8 | 8 | 8 | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | 1 | - | 1* |
| DU = 27 | 9 | 8 | 6 | 2 | 1* | 1* | 3 | 8 | 7 | 7* | 7* | 4* | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 3* | 2* | 8 |
| YB = 28 | 4 | 1* | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 5 | 6 | 7 | 7 | 6 | 4 | 2 | - | 1 | 1 | 1 | 1* | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | 1 | 6 | 7 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | 2* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 9 | 4* | 1* | - | - | - | - | - | - | - | - | - | 1* | 4* | 2* | 1* |
| KH6 = 31 | 5 | 4 | 2 | - | 1 | - | - | 4* | 5* | 9 | 8 | 7 | 3* | 3* | 3* | 3* | 6 | 7 | 7 | 8 | 6 | 6 | 5 | 5 |
| KH8 = 32 | 3 | 2 | 1* | - | 2 | 1 | 2* | 3* | 2* | 2* | 4* | 4* | 3* | 2* | 2* | 1* | - | - | 7 | 8* | 7* | 6 | 5 | 4 |
| CN = 33 | - | - | - | - | - | - | - | - | 8 | 9+ | 7 | 5 | 4 | 4 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - |
| SU = 34 | 8 | 7 | 2 | - | - | - | 5 | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| 6W = 35 | 3 | 1 | - | 2 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 |
| D2 = 36 | 9 | 7 | 8 | 5 | - | - | 6 | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 1* | 1* | - | 2 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 4 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 8 | 4 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 4 | 5 | 8 | 8 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - |
| FJL = 40 | 1 | - | - | 2 | - | - | - | 5 | 6 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jul., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | 2* | 5* | 2* | - | - | - | - | - | - | - | 4* | 1* | - | - | - | 1 |
| VO2 = 02 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 5 |
| W6 = 03 | 3 | 1 | - | - | - | - | - | - | 4* | 2* | 1* | - | - | - | 2 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 5 |
| W9 = 04 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 4 | 5 | 7 | 5 | 7 | 7 | 8 | 8 | 4 |
| W3 = 05 | 5 | 1 | - | - | - | - | - | - | - | - | - | 5 | 5 | 4 | 4 | 5 | 8 | 8 | 9 | 7 | 8 | 9 | 7 | 7 |
| XE1 = 06 | 4 | - | - | - | - | - | - | 1* | 1* | 1 | - | - | 1 | 7 | 6 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 5 |
| TI = 07 | 6 | - | - | - | - | - | - | 2* | - | 1 | - | - | 1 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 8 | 6 | 1 | 1 | 2 | 6 | 9 | 9+ | 9+ | 9 | 6 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 6 | 5 | 3 | 4 | 9 | 9 | 9+ | 9+ | 9+ | 7 | - |
| HC = 10 | 6 | 5 | 2 | - | 1 | - | - | 1* | - | - | - | 4 | 6 | 5 | 4 | 5 | 7 | 9 | 9 | 9 | 8 | 9 | 9 | 7 |
| PY1 = 11 | 9+ | 9 | 5 | 2 | 6 | 1 | - | - | - | 9+ | 6 | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2* | 9+ |
| CE = 12 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | 8 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9 | 9 | 6 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5 | 2 |
| G = 14 | - | - | - | - | - | - | - | - | 8 | 8 | 5 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | - |
| I = 15 | - | - | - | - | - | - | - | - | 8 | 4 | 5 | 3 | 2 | 2 | 3 | 5 | 7 | 9 | 9+ | 9+ | 9 | 6 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 6 | 5 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 3 | - |
| UN = 17 | - | 4 | 4 | 1 | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 1 |
| UA9 = 18 | - | 1 | - | - | - | - | - | 5 | 7 | 7 | 6 | 5 | 5 | 1 | 5 | 7 | 8 | 8 | 8 | 6 | 2 | 2* | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | 2 | 2 | 6* | 7* | 4 | 4 | 4 | 5 | 4 | 2 | - | - | - | 1* | 2* | - | 1 |
| 4X = 20 | 2 | 1 | - | - | - | - | 1 | 9 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 6 | 4 | 6 |
| HZ = 21 | 5 | 2 | - | 1 | - | - | 5 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| VU = 22 | 6 | 5 | 8 | 5 | - | - | 6 | 8 | 6 | 5 | 4 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 5 | 4 | 5 | 5 | 5 | 4 |
| JT = 23 | 2 | 1 | - | - | - | - | 1 | 7 | 6 | 5* | 5* | 5 | 4 | 5 | 6 | 8 | 8 | 7 | 5 | 1 | - | 1* | - | - |
| VR2 = 24 | 8 | 8 | 5 | 2 | - | - | 2 | 6 | 3 | 3 | 7* | 5 | 5 | 6 | 8 | 8 | 7 | 7 | 7 | 6 | 3 | - | 2* | 4 |
| JA1 = 25 | 2 | - | - | - | - | - | - | 4 | 4 | 6* | 8* | 6 | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | 5* | 7 | 5 |
| HS = 26 | 3* | 5 | 2 | 1* | - | - | 2 | 6 | 6 | 6 | 6 | 6 | 4 | 6 | 7 | 8 | 8 | 6 | 3 | - | - | - | - | 3* |
| DU = 27 | 8 | 5 | 2 | 1 | - | - | 2 | 5 | 6 | 5 | 8* | 5 | 6 | 7 | 7 | 7 | 5 | 4 | 2 | 1 | - | - | 4* | 6 |
| YB = 28 | - | - | - | - | - | - | - | 2 | 5 | 6 | 6* | 7 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 7 | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 5 | 1* | - | - | - | - | - | - | - | - | - | - | - | 5* | 2* | - |
| KH6 = 31 | 1 | - | - | - | - | - | - | 1* | 7* | 7 | 7 | 5 | 2* | 2* | 1* | 1* | 2 | 6 | 7 | 6 | 6 | 6 | 5 | 2 |
| KH8 = 32 | 1* | - | - | - | - | - | 1* | 5* | 5* | 5* | 4* | 4* | 1* | - | - | - | - | - | 7 | 8 | 8 | 7 | 5* | 2* |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1 | - | 9 | 9 | 9 | 2 | 3 | 5 | 8 | 9 | 9+ | 8 | 1 | - | - |
| SU = 34 | 2 | 1 | - | - | - | - | 1 | 9+ | 8 | 3 | 5 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2 | 5 |
| 6W = 35 | - | - | - | - | - | - | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - |
| D2 = 36 | 2 | - | 3 | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 |
| 5Z = 37 | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5* | - | 1 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 5 | 5 | 5 | 8 | 9 | 8 | 2 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 7 | 6 | 6 | 6 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jul., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 7 | 5 | 3 | - |
| W6 = 03 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | 1 | 1 | 2* | 1 | 3 | 3 | 2 | 2 | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 2 | 4 | 6 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | 5 | 2 | 6 | 8 | 8 | 8 | 4 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 8 | 8 | 9 | 9 | 9 | 7 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 1* | 1* | 1 | 4 | 6 | 4 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1* | 1* | 2* | 2 | 6 | 7 | 5 | - | - |
| HC = 10 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 | 4 | 9 | 9 | 9 | 9 | 6 | 1 |
| PY1 = 11 | 8 | 3 | - | - | 1 | - | - | - | - | 6 | - | 4 | 5 | 3 | 2 | - | 1 | 3 | 4 | 5 | 5 | 4* | 9 | 7 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | 5 | 5 | 3* | 9 | 8 | 9 | 5 | 9 | 4* | 1* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 5 | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 | 4 | 5 | 7 | 8 | 7 | 1 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 4 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - | 1 | 2 | 5 | 6 | 5 | 1 | - | - |
| UN = 17 | - | - | - | - | - | - | 1 | 7 | 7 | 7 | 7 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 2 | 1 | 1* | 1* | 1* | 1* | 1* | - | 1 | 1 | - | - | - | 1* | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | 1* | 6* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 4 | - | - | 3 | 5 | 1 | 1 | 3 | 5 | 6 | 8 | 9 | 8 | 1 | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 1 | 5 | 3 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 2 | 1 | - |
| VU = 22 | 1 | 1 | 4 | - | - | - | 3 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 3 | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | 2 | 1 | 1 | 5* | 4* | 2* | 1* | 1* | 1 | 1 | - | - | - | - | - | - | - |
| VR2 = 24 | 4 | 3 | 1 | - | - | - | 1 | 5 | 7 | 7 | 7* | 6 | 8 | 8 | 7 | 5 | 2 | 1 | 1 | - | - | - | 1* | 3* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | 1* | 7* | 2 | 1 | 1 | - | - | - | - | - | - | - | 2* | 1 | 1 |
| HS = 26 | 2* | 1* | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | 1* |
| DU = 27 | 3 | 1 | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | 4* | 4* |
| YB = 28 | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 5 | 3* | 2* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | 1 | 7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 4* | 4* | 4 | 2 | 1* | 1* | 1* | - | - | 2 | 5 | 4 | 5 | 6 | 3 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 3* | 6* | 4* | 1* | - | - | - | - | - | - | - | - | 7 | 9 | 6 | 1* | 1* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | - | - | - | 1 | 4 | 3 | 1 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 3 | - | - | 1 | 4 | 1 | - | 1 | 4 | 5 | 6 | 9 | 9 | 2 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 4 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 5 | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 2 | 2 | 1 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 2 | 1 | 4* | 1 | - | 1 | 1 | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jul., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | 1 | 2 | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 2 | - | - | 1 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | - | 1 | 5 | 3 | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | - | 2 | 5 | 7 | 8 | 6 | 1 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 5 | 6 | 7 | 5 | 1 | - |
| PY1 = 11 | 4 | - | - | - | - | - | - | - | - | - | 9 | - | - | 9 | 9 | 9+ | 9+ | 8 | 5* | 4* | 3* | 9 | 6 | 1 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 4 | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 4 | 5 | 7 | 8 | 7 | 5 | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | 2 | 1 | 4 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 1 | 1 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 7 | 2 | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | 3 | 8 | 8 | 8 | 8 | 7 | 6 | 9 | 8 | 6 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 1 | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 7 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | 3 | 3 | 6 | 7* | 6 | 7 | 7 | 3 | - | - | - | - | - | - | - | - |
| DU = 27 | 1* | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | 1* |
| YB = 28 | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 3* | 2* | 1* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | 1* | 1 | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | 1* | 4* | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 1 | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 | - | - | - | - | 1* | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 1 | 2 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 7 | 5 | 5 | 5 | 4 | 2 | 2 | 5 | 2 | 2 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 8 | 1 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | 2 | 2 | 3* | 4* | 6* | 2* | 2 | 5 | 7 | 6 | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Aug., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W6 = 03 | - | - | - | - | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 2 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 2 | 4 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 5 | 4 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 2 | 2 | 4 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 9 |
| CE = 12 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 |
| G = 14 | 4 | 4 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 5 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 3 |
| HZ = 21 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 |
| SU = 34 | 4 | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 9 | 9 |
| FR = 39 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 6 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Aug., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| W6 = 03 | - | - | 1 | 3 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 5 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| XE1 = 06 | 1 | 5 | 7 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 8 | 7 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| P4 = 09 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 5 | 5 | 7 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9+ |
| CE = 12 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| G = 14 | 7 | 7 | 7 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 8 | 8 |
| UN = 17 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 6 |
| HZ = 21 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 |
| VU = 22 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 |
| SU = 34 | 7 | 6 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 8 |
| FJL = 40 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Aug., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 2 | 4 | 5 | 7 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| W6 = 03 | 2 | 4 | 6 | 7 | 7 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 8 | 7 | 7 | 8 | 9 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 |
| G = 14 | 8 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 |
| UA3 = 16 | 8 | 7 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 6 | 7 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 1 | 1 |
| 4X = 20 | 8 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 9 | 8 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 6 | 6 | 5 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 4 | 3 | 1 | - |
| HS = 26 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 6 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 | 5 | 1 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 7 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 2 | 1 |
| KH6 = 31 | - | - | - | 1 | 6 | 7 | 7 | 8 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 2 | 6 | 6 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 2 | 1 | - | 1 | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 7 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 8 |
| FJL = 40 | 7 | 8 | 8 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Aug., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | 4 | 5 | 7 | 6 | 6 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1* | - | 1 | 1 | 1 | 2 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 9 |
| W6 = 03 | 5 | 6 | 7 | 8 | 8 | 8 | 6 | 6 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 5 | 4 | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 6 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 4 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 5 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 3 | 8 | 7 | 5 | 2 | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 2 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 8 | 9 | 8 | 7 | 6 | 6 | 5 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 1 | - | 1 | 2 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 7 | 8 | 6 | 2 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 7 | 1 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 4 | - | 7 | 6 | 1 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 5 | 1 | 4 | 1 | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 5 | 8 | 8 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 | 5 | 6 | 4 |
| 4X = 20 | 9 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 5 | 5 | 5 |
| VR2 = 24 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 7 | 6 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | - | 4 | 7 | 7 | 7 | 5 | 3 | 1 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 | 7 | 6 | 6 |
| YB = 28 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 6 |
| VK6 = 29 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 7 | 6 | 6 |
| VK3 = 30 | 1 | - | - | - | - | - | 1 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 5 | 6 | 6 | 5 |
| KH6 = 31 | - | - | 1 | 6 | 7 | 8 | 5 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 6 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | 2* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 5 | - | 4 | 8 | 6 | 4 | 2 | 1 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 8 | 9+ | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 7 | 4 | 3 | 2 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 8 | 4 | 6 | 7 | 7 | 4 | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 5 | 6 | 6 | 2 | - | 1 | 8 | 8 | 5 | 1 | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |
| FR = 39 | 6 | 4 | 1 | 5 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 7 |
| FJL = 40 | 8 | 8 | 8 | 8 | 7 | 4 | 5 | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 7 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Aug., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 7 | 3 | 2 | 6 | 5* | 4* | 1 | 2 | - | - | - | 1 | 2 | 8 | 8 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | 6 | 8 | 8 | 7 | 6 | 5 | 5 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W6 = 03 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | 2 | 7 | 4 | - | - | 1 | - | - | 1 | 1 | 2 | 2 | 2 | 3 | 5 | 6 | 8 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | 4 | 5 | 5 | 2 | 7 | 2 | 2 | 2 | 2 | 4 | 5 | 5 | 6 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 8 | 8 | 5 | - | 3 | 6 | 5 | 8 | 7 | 5 | 5 | 4 | 5 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 1 | 8 | 8 | 2 | 6 | 4 | 1 | 2 | 1 | 3 | 3 | 2 | 3 | 5 | 8 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 1* | 6 | 7 | 6 | 7 | 4 | 2 | 4 | 4 | 2 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 8 | 3 | 1* | 1* | 7 | 9 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 9 | 9 | 5 | 1* | 1* | 6 | 9 | 8 | 8 | 6 | 5 | 4 | 4 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | 7 | 5 | 7 | 8 | 5 | 2 | 2 | 2 | 2 | 4 | 6 | 7 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 7 | 8 | 9+ | 8 | 7 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9 | 9+ | 9 | 9 | 8 | 1 | - | - | - | 9 | 8 | 6 | 3 | 2 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9 | 9 | 8 | 6 | - | - | - | 7 | 9 | 9 | 7 | 4 | 2 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9+ | 9 | 8 | 6 | - | - | - | 3 | 8 | 5 | 3 | 3 | 2 | 2 | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| I = 15 | 9+ | 9 | 8 | 5 | 1* | - | 1 | 9 | 6 | 7 | 5 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 8 | 8 | 8 | 1 | - | 5 | 8 | 5 | 3 | 2 | 2 | 2 | 2 | 3 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 8 | 4 | 2 | 5 | 2 | 1 | - | - | - | - | 1 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 8 | 8 | 8 | 6 | - | - | 3 | 3 | 1 | 2 | 1* | - | - | - | 1 | 3 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 |
| UA0 = 19 | 8 | 6 | 5 | 3 | - | - | 1 | 4 | 8 | 4* | 2* | 1* | - | - | 1 | 3 | 7 | 8 | 8 | 7 | 7 | 8 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 7 | 1 | 1 | 2 | 8 | 5 | 4 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 4 | 7 | 6 | 4 | 1 | - | - | 1 | 5 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 1 | 1 | - | - | - | 1 | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 7 | 6 | 1 | - | 4 | 1 | 1 | 1* | 1* | - | - | 1 | 2 | 4 | 8 | 8 | 8 | 9 | 8 | 7 | 6 | 8 |
| VR2 = 24 | 8 | 6 | 5 | 2 | - | - | - | - | 2* | 3* | 2* | 1* | - | - | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 6 | 4 | 2 | 2 | - | - | 1 | 1 | 7 | 5* | 4* | 2* | - | - | 1 | 4 | 8 | 8 | 9 | 8 | 9 | 8 | 8 | 8 |
| HS = 26 | 8 | 9 | 8 | 6 | 1 | - | - | - | 1* | 1* | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| DU = 27 | 7 | 6 | 4 | 1 | - | - | - | - | 4* | 5* | 2* | 1* | - | - | 2 | 5 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 |
| YB = 28 | 8 | 6 | 4 | 1 | - | - | 1 | - | 1* | 1* | - | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 3 | 4 |
| VK6 = 29 | 3 | 2 | 1 | 1 | - | - | 1 | 2 | 8 | 1 | 1 | 1 | 2 | 2 | - | - | - | 1* | 1 | 4 | 2 | 1* | 1* | 1* |
| VK3 = 30 | 2 | 1 | 1 | 1 | - | - | - | 5 | 7 | 6 | 4 | - | - | - | - | - | 1 | 3 | 2 | 1 | 2* | 3 | 7 | 5 |
| KH6 = 31 | 3 | 6 | 7 | 8 | 8 | 7 | 1 | 3* | 8 | 8 | 8 | 5 | 1 | - | 1* | 2* | 3* | 4* | 6* | 5* | 2* | 1* | - | 1 |
| KH8 = 32 | - | 5 | 6 | 7 | 8 | 8 | 3 | 2 | 8 | 7 | 5 | 2 | - | - | - | 1* | 4* | 8 | 7* | 6 | 5* | 2* | 1 | - |
| CN = 33 | 8 | 5 | 2 | 3 | - | - | - | 9 | 9 | 9 | 9 | 8 | 6 | 6 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 6 | 1 | - | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 7 | 6 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 3 | 1* | 1* | 1 | 9 | 9 | 8 | 4 | 2 | 1 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | - | 2 | 9+ | 9 | 8 | 6 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 6 | 3 | 1 | - |
| FR = 39 | - | - | 1* | - | - | 2 | 8 | 7 | 4 | 2 | 2 | 2 | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | 1 |
| FJL = 40 | 5 | 2 | 1 | 5 | 5 | - | 4 | 9 | 8 | 7 | 5 | 4 | 1 | 2 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Aug., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 2 | 5 | 2 | - | - | - | 7* | 4* | 2* | - | - | - | - | - | - | - | 5* | 6* | 6 | 7 | 2 | 2 |
| VO2 = 02 | 9 | 8 | 7 | 5 | 2 | - | - | 1 | - | 1 | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ |
| W6 = 03 | 9 | 9 | 6 | 4 | 5 | 1 | - | 4* | 4* | 2* | 1* | - | - | - | 4 | 5 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 8 | 8 | 6 | 6 | 1 | - | 1* | - | - | - | 3 | 7 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 7 | 5 | 3 | 4 | - | - | - | - | - | 4 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 3 | 1* | 5* | 1* | 6 | - | - | 7 | 7 | 6 | 8 | 8 | 5 | 8 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 8 | 8 | 6 | 6 | 2 | 1* | 2* | 1* | 2 | - | 5 | 8 | 6 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 6 | 3 | 1 | 1 | - | - | - | - | 4 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 8 | 8 | 6 | 2 | 2 | - | 1* | 1* | - | - | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 8 | 9 | 8 | 6 | 1* | 3* | 3 | - | 4 | 8 | 7 | 8 | 7 | 7 | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 8 | 5 | 9+ | 9+ | 9+ | 9 | 2 | - | 6 | 6 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9+ | 9 | 8 | 6 | 6 | 2 | - | - | - | - | - | 2 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 8 | 2 | 1 | 2 | - | - | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | - | - | - | - | - | - | 2 | 8 | 7 | 5 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 |
| I = 15 | 2 | - | - | - | - | - | - | 8 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| UA3 = 16 | 1 | - | 2 | 2 | - | - | - | 8 | 8 | 8 | 9 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| UN = 17 | 1 | 6 | 9 | 7 | 1 | - | 6 | 6 | 5 | 5 | 9 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 3 |
| UA9 = 18 | - | 4 | 5 | 3 | - | - | 1 | 8 | 6 | 6 | 8 | 6 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 8 | 5 | - | 2* | 1* |
| UA0 = 19 | 7 | 5 | 3 | 2 | - | - | - | 7 | 6 | 8* | 7 | 6 | 5 | 6 | 6 | 6 | 3 | - | - | - | 5* | 4* | 2 | 7 |
| 4X = 20 | 9 | 8 | 5 | 1 | 1* | - | 5 | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| HZ = 21 | 9 | 6 | 3 | 5 | 1* | 1* | 7 | 9 | 8 | 6 | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| VU = 22 | 8 | 8 | 9 | 8 | 3 | 2 | 7 | 5 | 3 | 2 | 9 | 5 | 4 | 5 | 8 | 9 | 8 | 9 | 8 | 7 | 7 | 7 | 7 | 7 |
| JT = 23 | 5 | 8 | 7 | 4 | - | - | 2 | 7 | 5 | 6 | 8 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 8 | 4 | - | 2* | 1* | 1* |
| VR2 = 24 | 9 | 8 | 8 | 5 | 1* | 1* | 4 | 4 | 7 | 7* | 6 | 4* | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | 7 |
| JA1 = 25 | 7 | 5 | 4 | 1 | - | - | 1 | 6 | 4 | 8* | 7 | 6 | 6 | 6 | 7 | 8 | 7 | 5 | 1 | - | 3* | 7 | 8 | 8 |
| HS = 26 | 5 | 9 | 6 | 4 | 1* | - | 5 | 6 | 8 | 8 | 8 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 1 | 1 |
| DU = 27 | 9 | 8 | 6 | 3 | 1* | 2* | 4 | 7 | 6 | 8* | 6 | 4* | 4 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 3* | 2* | 8 |
| YB = 28 | 5 | 1 | 2* | - | - | - | 1 | 4 | 6 | 6 | 7 | 4 | 5 | 7 | 8 | 7 | 7 | 7 | 5 | 4 | 4 | 1 | 1* | 1* |
| VK6 = 29 | 1* | 1* | - | - | - | - | - | 3 | 6 | 5 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2* | 1* |
| VK3 = 30 | 1* | - | - | - | - | - | - | - | 8 | 5* | 2* | 1* | - | - | - | - | - | - | - | - | 1* | 2* | 2* | 1 |
| KH6 = 31 | 7 | 7 | 6 | 5 | 5 | 1 | - | 5* | 5* | 8 | 7 | 6 | 2* | 3* | 3* | 2* | 7 | 7 | 7 | 8 | 6 | 6 | 6 | 6 |
| KH8 = 32 | 5 | 6 | 4 | 3 | 6 | 3 | 2* | 3* | 2* | 2* | 4* | 4* | 3* | 3* | 4* | 4* | - | - | 6 | 8* | 8* | 7* | 5 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9 | 6 | 5 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 |
| SU = 34 | 8 | 7 | 4 | 1* | 1* | - | 5 | 9+ | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| 6W = 35 | 8 | 7 | 4 | 7 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9 | 8 | 9 | 6 | - | 1* | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 3 | - | - | 3* | 4* | 1* | 5 | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | 2 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - |
| FR = 39 | - | - | 2* | 1* | - | - | 5 | 8 | 8 | 7 | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 8 | 7 | 5 | 2 | 1 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 7 | 1 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Aug., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | - | - | - | - | 2* | 2* | - | - | - | - | - | - | - | - | 1* | 4* | 1* | - | - | - |
| VO2 = 02 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 5 | 5 | 4 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| W6 = 03 | 7 | 5 | 1 | - | 1 | - | - | - | 2* | 1* | - | - | - | - | 1 | 4 | 6 | 5 | 6 | 6 | 7 | 7 | 8 | 9 |
| W9 = 04 | 7 | 4 | 1 | - | 1 | - | - | - | - | - | - | - | 2 | 7 | 6 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 8 |
| W3 = 05 | 8 | 1 | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 8 | 6 | 5 | 2 | 2 | - | - | - | - | 1 | - | - | 2 | 7 | 8 | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 8 |
| TI = 07 | 6 | 5 | 4 | 1 | 2 | - | - | - | - | - | - | - | 5 | 5 | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 7 |
| VP2 = 08 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 5 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 4 |
| P4 = 09 | 3 | 1 | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 |
| HC = 10 | 9 | 8 | 7 | 5 | 5 | 1 | - | 2* | - | - | - | 6 | 9 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 8 | 8 | 5 | - | - | - | - | 8 | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 |
| CE = 12 | 9 | 6 | 1 | - | 1 | - | - | - | - | - | - | 6 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 |
| LU = 13 | 5 | 1 | - | - | - | - | - | - | - | - | 3 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | - |
| I = 15 | - | - | - | - | - | - | - | - | 9 | 8 | 6 | 4 | 3 | 3 | 5 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - |
| UA3 = 16 | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 6 | 1 | - |
| UN = 17 | 1* | 1 | 6 | 4 | - | - | 5 | 8 | 8 | 7 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | 1* |
| UA9 = 18 | - | - | - | - | - | - | - | 5 | 7 | 6 | 7 | 6 | 3 | 5 | 2 | 7 | 8 | 7 | 6 | 1 | - | - | 1* | - |
| UA0 = 19 | 1 | - | - | - | - | - | - | 4 | 6 | 7* | 6 | 6 | 5 | 5 | 3 | 1 | - | - | - | - | 1* | 4* | 1* | - |
| 4X = 20 | 2 | - | - | - | - | - | 1 | 9 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 4 |
| HZ = 21 | 6 | 2 | 2* | 1* | 1* | - | 5 | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| VU = 22 | 4 | 3 | 7 | 5 | 1* | - | 6 | 8 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 2 | 1* | - | 1 | 1 | - |
| JT = 23 | - | 5 | 2 | 1 | - | - | 1 | 7 | 6 | 6* | 5 | 4 | 4 | 5 | 6 | 7 | 6 | 4 | 1 | - | - | - | 2* | - |
| VR2 = 24 | 8 | 8 | 6 | 2 | 1* | - | 3 | 5 | 4 | 5* | 7* | 5 | 5 | 6 | 8 | 8 | 8 | 7 | 7 | 7 | 5 | - | 5* | 4 |
| JA1 = 25 | 5 | 2 | 1 | - | - | - | - | 5 | 5 | 8* | 8* | 6 | 6 | 5 | 6 | 3 | 1 | - | - | - | - | 5* | 4 | 8 |
| HS = 26 | 4* | 6 | 4* | 1* | 1* | - | 3 | 7 | 6 | 6 | 6 | 6 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 5 | 3 | 1 | - | 3* |
| DU = 27 | 8 | 6 | 4* | 1 | 1* | 1* | 3 | 6 | 5 | 8* | 8* | 5* | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | - | 4* | 6 |
| YB = 28 | 2* | 2* | 1* | - | - | - | - | 4 | 5 | 6 | 5 | 7 | 7 | 7 | 6 | 3 | 1 | 1 | - | - | - | - | - | 2* |
| VK6 = 29 | 1* | - | - | - | - | - | - | - | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 5* | 3* | - | - | - | - | - | - | - | - | - | - | - | 5* | 3* | 1* |
| KH6 = 31 | 5 | 4 | 1 | - | 1 | - | - | 1* | 6* | 7 | 5 | 4 | 1* | 1* | 1* | 1* | 3 | 6 | 8 | 7 | 6 | 6 | 6 | 5 |
| KH8 = 32 | 4 | 2 | 1* | - | 2 | - | 1* | 5* | 5* | 5* | 5* | 4* | 4* | 2* | 1* | - | - | - | 7 | 8* | 8* | 7 | 6 | 4 |
| CN = 33 | - | - | - | - | - | - | - | - | 1 | 5 | - | 2 | 9 | 9 | 4 | 5 | 8 | 9+ | 9+ | 9+ | 9+ | 7 | - | - |
| SU = 34 | 1 | - | - | - | - | - | - | 9+ | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 2 |
| 6W = 35 | 1 | - | - | 1 | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 |
| D2 = 36 | 6 | 2 | 5 | 1 | - | - | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| 5Z = 37 | - | - | - | 3* | 1* | - | - | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 1 |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 6 | 5 | 6 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - |
| FR = 39 | - | - | 1* | - | - | - | 1 | 7 | 7 | 8 | 8 | 8 | 6 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 1 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Aug., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - |
| VO2 = 02 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 4 | 5 | 5 | 5 | 5 | 6 | 7 | 4 | 4 | 2 |
| W6 = 03 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 4 | 5 | 5 | 5 | 5 |
| W9 = 04 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 5 | 7 | 2 |
| W3 = 05 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 7 | 7 | 2 | 3 | 5 | 6 | 7 | 4 |
| XE1 = 06 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 7 | 7 | 8 | 9 | 9 | 8 | 3 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 3 | 1* | - | 1* | 2 | 5 | 8 | 9 | 8 | 3 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 5 | - | 1* | 2 | 6 | 8 | 9 | 9 | 5 | - |
| HC = 10 | 5 | 4 | 2 | - | 1 | - | - | - | - | - | - | 1 | 4 | 3 | 2 | 1 | 3 | 6 | 9 | 9 | 9 | 9 | 9 | 5 |
| PY1 = 11 | 9 | 8 | 4 | 1 | 4 | - | - | - | - | 9 | 1 | 5 | 5 | 4 | 3 | 1 | 3 | 5 | 6 | 6 | 6 | 4* | 9+ | 9 |
| CE = 12 | 2 | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 8 | 4 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 2 | 1 |
| G = 14 | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 2 | 3 | 4 | 4 | 5 | 7 | 9 | 9 | 8 | 2 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 1* | 1 | - | - | - | 1 | 1 | 4 | 6 | 8 | 9 | 8 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 1 | 1 | 1 | - | 1 | 4 | 7 | 7 | 4 | - | - | - |
| UN = 17 | - | - | 1 | - | - | - | 1 | 7 | 7 | 6 | 7 | 6 | 6 | 5 | 6 | 7 | 7 | 7 | 5 | 2 | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 4 | 2 | 2 | 1 | 1* | - | - | 1 | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | 3* | 5* | 3* | 1 | - | - | - | - | - | - | - | - | 1* | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 4 | 1 | 1 | 5 | 8 | 4 | 2 | 2 | 3 | 4 | 6 | 9 | 9 | 5 | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 5 | 3 | 1 | - |
| VU = 22 | - | 2* | 2 | 1 | - | - | 3 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 3 | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | 2 | 1 | 1 | 7* | 3* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5 | 5 | 2 | - | - | - | 1 | 6 | 6 | 5 | 7* | 5 | 7 | 8 | 8 | 6 | 3 | 1 | 2 | 1 | - | - | 2* | 5* |
| JA1 = 25 | 1 | - | - | - | - | - | - | - | - | 4* | 8* | 2 | 1 | - | - | - | - | - | - | - | - | 4* | 1* | 3 |
| HS = 26 | 5* | 4* | 1* | - | 1* | - | 1 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | 2* |
| DU = 27 | 5 | 4* | 1* | - | 1* | - | 2 | 6 | 8 | 7 | 8* | 7 | 8 | 8 | 7 | 5 | 2 | 1 | 1 | - | - | - | 4* | 5* |
| YB = 28 | 1* | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 8 | 5 | 3* | 1* | - | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 3 | 4* | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 2* | - |
| KH6 = 31 | 1 | - | - | - | - | - | - | - | 5* | 5* | 2 | 1* | 1* | 1* | 1* | - | - | 4 | 5 | 5 | 5 | 6 | 5 | 1 |
| KH8 = 32 | 1 | - | - | - | - | - | - | 3* | 7* | 6* | 4* | 3* | 1* | - | - | - | - | - | 1 | 8 | 8 | 8 | 4 | 2* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | - | - | 2 | 5 | 8 | 8 | 6 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 3 | 1 | - | 3 | 5 | 2 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 6 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 2 | - |
| D2 = 36 | - | - | - | - | - | - | - | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | 3 |
| 5Z = 37 | - | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 1 | 2 | 7 | 6 | 5 | 1 | 6 | 6 | 5 | 2 | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Aug., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 3 | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | 1 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | - | - | - | 1 | 2 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 6 | 2* | 3 | 7 | 7 | 3 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 2 | 3 | 6 | 7 | 8 | 8 | 5 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | 4 | 2 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1* | - | - | 4 | 2 | - | - |
| HC = 10 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 7 | 5 | 1 |
| PY1 = 11 | 8 | 3 | - | - | - | - | - | - | - | 3 | 9+ | - | - | 9 | 9 | 9 | 9 | 2* | 4* | 4* | 4* | 9+ | 9 | 7 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 | 1 | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 9 | 9 | 9+ | 9 | 7 | 1 | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 2 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 2 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | 2 | 2 | 4 | 4 | 3 | 2 | 1 | 1 | 2 | 2 | 1 | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 1* | 1* | 1* | 1* | 1 | 6 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | 1 | - | 6 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 4 | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 6 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 3* | 2* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 2* | 1 | - | - | - | - | - | 3 | 7 | 7 | 7 | 6 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | 3* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | 5* | - | - | - | - | - | - | - | - | - | - | 1* | - | - |
| HS = 26 | 2* | 1* | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - |
| DU = 27 | 3* | 1* | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 3* |
| YB = 28 | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 | 5* | 3* | 2* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | 2 | 1 | 2 | 5 | 2 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 1* | 5* | 3* | 1* | - | - | - | - | - | - | - | - | 4 | 8 | 4 | 1* | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | - | - | - | 1 | 2 | 1 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 1* | 1* | 1* | 1* | - | 4 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 7 | 5 | 5 | 4 | 2 | 2 | 4 | 6 | 5 | 5 | 1 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 6 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 4* | 4* | 4 | 5 | 5 | 6 | 7 | 4 | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | 2 | 1 | 1 | - | 1 | 1 | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Sep., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | - | 2 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 4 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | - | 2 | 4 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 5 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| P4 = 09 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 1 | 3 | 2 | 3 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 9 |
| CE = 12 | 4 | 3 | 3 | 4 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| G = 14 | 4 | 4 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 |
| UN = 17 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | 3 |
| HZ = 21 | 5 | 2 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 6 |
| SU = 34 | 3 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 |
| FR = 39 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| FJL = 40 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Sep., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| W6 = 03 | - | - | 2 | 5 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 |
| XE1 = 06 | 2 | 5 | 7 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 8 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 7 | 7 | 7 | 7 | 8 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| P4 = 09 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 4 | 6 | 5 | 6 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9 | 9+ |
| CE = 12 | 7 | 6 | 6 | 7 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| LU = 13 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| G = 14 | 7 | 7 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 8 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 |
| UN = 17 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 5 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| 4X = 20 | 6 | 6 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 6 |
| HZ = 21 | 8 | 5 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 |
| VU = 22 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 4 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 5 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 2 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | 6 | 7 | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 9 |
| SU = 34 | 6 | 7 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| FJL = 40 | 6 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Sep., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 4 | 4 | 5 | 7 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 |
| W6 = 03 | 4 | 6 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 9 | 8 | 7 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 7 | 5 | 8 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 9 | 9 |
| HC = 10 | 9 | 7 | 8 | 9 | 8 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 7 | 8 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 6 | 5 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 6 | 6 | 4 | 1 |
| 4X = 20 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 8 |
| HZ = 21 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 6 | 8 | 8 | 8 |
| JT = 23 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 5 | 5 | 8 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 4 | 5 | 1 | - |
| HS = 26 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 5 | 5 | 1 |
| YB = 28 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 1 | - |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 8 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 6 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 3 | 1 | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | - | - | - | - | - | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Sep., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 1* | 1 | 1 | 1 | 1 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W9 = 04 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 |
| TI = 07 | 8 | 8 | 9 | 8 | 9 | 8 | 7 | 6 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 6 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 7 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 6 | 2 | 1 | - | 1 | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| LU = 13 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 7 | 5 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 2 | 7 | 6 | 2 | - | - | - | - | - | - | - | 1 | 6 | 7 | 9 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 7 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 8 | 8 | 7 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 | 6 | 5 |
| 4X = 20 | 9 | 9 | 8 | 7 | 6 | 3 | 5 | 3 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 8 | 7 | 7 |
| VR2 = 24 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 6 | 7 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 5 | 4 | 1 |
| HS = 26 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 6 | 7 | 7 | 5 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 6 | 6 | 6 | 2 |
| KH6 = 31 | - | - | 4 | 6 | 7 | 8 | 6 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 2* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 3 | 7 | 8 | 5 | 2 | 1 | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 4 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 3 | 3 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | 5 | 6 | 8 | 8 | 4 | 1 | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| FR = 39 | 8 | 5 | 5 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 9 | 8 | 8 |
| FJL = 40 | 8 | 7 | 5 | 5 | 7 | 6 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Sep., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 4* | 4* | 2* | 1* | - | - | - | - | 1 | 2 | 8 | 5 | 7 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | 6 | 8 | 8 | 8 | 6 | 4 | 2 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 5 | 8 | 6 | 1 | 1 | 1 | - | - | - | - | 2 | 1 | 1 | 2 | 4 | 6 | 8 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 6 | 7 | 6 | 2 | 5 | 4 | 2 | 1 | 1 | 2 | 4 | 4 | 6 | 7 | 8 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 6 | 6 | 6 | 8 | 6 | 5 | 2 | 2 | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9+ | 9 | 9 | 5 | 5 | 9 | 8 | - | 6 | 4 | 2 | 1 | 1 | 1 | 2 | 1 | 4 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 8 | 4 | 3 | 8 | 4 | 5 | 7 | 5 | 1 | 1 | 1 | 1 | 4 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2* | 1* | 4 | 9 | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1* | 1* | 3 | 9 | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 7 | 4 | 8 | 6 | 4 | 1 | 1 | 1 | 2 | 3 | 6 | 8 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 8 | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 7 | 9 | 9 | 8 | 5 | 3 | 1 | - | 1 | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6 | 8 | 9+ | 9 | 9 | 6 | 4 | 2 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 9 | 8 | 7 | - | 3 | 9 | 8 | 7 | 4 | 2 | 1 | 1 | 2 | 3 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| I = 15 | 9+ | 9+ | 9+ | 8 | 3 | 1* | 5 | 9 | 8 | 7 | 5 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 8 | 6 | 5 | 6 | - | 6 | 8 | 5 | 2 | 1 | 1 | - | 1 | 5 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| UN = 17 | 8 | 9 | 9 | 8 | 7 | 4 | 4 | 2 | - | - | - | - | 1 | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 2 | 5 | 8 | 8 | 4 | - | 4 | 3 | 1 | 1 | 2 | - | - | 1 | 2 | 4 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | 1 |
| UA0 = 19 | 8 | 7 | 6 | 5 | 2 | - | 4 | 7 | 6 | 4* | 2* | 1* | - | - | 1 | 2 | 5 | 5 | 5 | 5 | 5 | 7 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 7 | 6 | 3 | 6 | 8 | 5 | 2 | 2 | 2 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 3 | 1 | 1 | 1 | 1 | 3 | 5 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 1 | 1 | - | - | - | 1 | 2 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 8 | 6 | 3 | - | 2 | 1 | 1 | 1* | 1* | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | 4 |
| VR2 = 24 | 8 | 8 | 6 | 2 | 1 | - | - | 1* | 3* | 3* | 1* | 1* | - | 1 | 2 | 4 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 8 |
| JA1 = 25 | 6 | 4 | 2 | 2 | - | 2* | 2 | 8 | 6 | 5* | 3* | 1* | - | - | 1 | 3 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 8 |
| HS = 26 | 8 | 9 | 8 | 6 | 2 | 1 | - | - | 1* | 1* | - | - | - | - | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| DU = 27 | 8 | 6 | 4 | 1 | - | - | 1* | 2* | 5* | 4* | 2* | 1* | - | - | 1 | 4 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 8 |
| YB = 28 | 9 | 8 | 7 | 4 | 1 | - | - | - | 1* | 1* | 1* | - | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 7 |
| VK6 = 29 | 8 | 6 | 4 | 3 | 1 | - | 2 | 2 | 2 | 1 | 1* | 1 | 1 | 1 | 1 | - | 1 | 2 | 4 | 6 | 6 | 2 | 1* | 2 |
| VK3 = 30 | 7 | 4 | 2 | 2 | 1 | - | 1 | 6 | 6 | 4 | 2 | 1 | - | - | - | - | 1 | 1 | 1 | 1 | 5 | 8 | 8 | 8 |
| KH6 = 31 | 4 | 7 | 8 | 9 | 9 | 8 | 3 | 4 | 9 | 8 | 7 | 5 | 1 | - | - | 1* | 1* | 2* | 6* | 5* | 3* | 1* | 1 | 1 |
| KH8 = 32 | 1 | 4 | 7 | 8 | 8 | 9 | 8 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | 1* | 5* | 5* | 7* | 7 | 5* | 2* | - | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 5 | - | 1 | 9+ | 9 | 8 | 7 | 7 | 5 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 7 | 6 | 2 | 9 | 8 | 6 | 4 | 2 | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | 5 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 3 | 5 | 5 | 9 | 9 | 8 | 4 | 3 | 3 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 3 | 2 | 1 | 1* | 1* | 1* | 7 | 9 | 9 | 8 | 6 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 |
| FR = 39 | 3 | - | - | 4 | 6 | 7 | 7 | 7 | 5 | 1 | 1 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| FJL = 40 | 1 | 1* | 1* | - | - | 4 | 7 | 8 | 7 | 6 | 4 | 1 | 1 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 8 | 6 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Sep., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 7 | 5 | 2 | - | 3* | 1* | 1* | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 6 | 6 | 7 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | 8 | 9 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 6 | 5 | 4 | 1* | 1* | 2 | 1 | 1* | - | - | 2 | 4 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9+ | 9 | 8 | 6 | 5 | 5 | 1* | 1 | 1 | - | - | 5 | 8 | 7 | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 8 | 8 | 6 | 6 | 3 | - | 1 | - | - | 5 | 9 | 7 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1* | 2* | 8 | 5 | - | - | 7 | 6 | 6 | 6 | 8 | 5 | 6 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 8 | 8 | 5 | 1* | 3* | 3 | - | - | 8 | 8 | 6 | 7 | 7 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9 | 8 | 6 | - | 1* | - | - | 2 | 9+ | 9 | 9 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 8 | 6 | 1 | 2* | 1* | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 8 | 9 | 7 | 2 | 5* | 4 | 2* | 7 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 6 | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 3 | 1 | - | - | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9 | 5 | 7 | 5 | 1 | - | 1 | 8 | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 2 | 2 | 2 | 1 | 1 | - | - | 9 | 9 | 9 | 8 | 6 | 5 | 7 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 7 | 4 |
| I = 15 | 8 | 7 | 5 | - | - | - | - | 9+ | 9+ | 9 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | 1 | - | - | - | 1 | - | 3 | 9 | 8 | 7 | 9 | 7 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 |
| UN = 17 | 4 | 5 | 8 | 9 | 5 | 1 | 7 | 6 | 5 | 5 | 9 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 4 |
| UA9 = 18 | 1* | 1* | 4 | 8 | - | - | 4 | 7 | 6 | 5 | 8 | 5 | 5 | 5 | 7 | 8 | 9 | 8 | 8 | 5 | 2 | - | 1* | 1* |
| UA0 = 19 | 8 | 9 | 8 | 7 | 1 | - | 2 | 8 | 7* | 7* | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | 5* | 4* | 4 | 7 |
| 4X = 20 | 9 | 9+ | 6 | 2* | 2* | 1* | 7 | 9 | 8 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 8 | 4 | 5 | 6 | 2 | 7 | 9 | 8 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 |
| VU = 22 | 5 | 6 | 9 | 9 | 6 | 4 | 7 | 5 | 3 | 2 | 9 | 3 | 4 | 5 | 6 | 9 | 8 | 9 | 8 | 8 | 8 | 9 | 8 | 6 |
| JT = 23 | 1* | 7 | 9 | 8 | 1 | - | 4 | 6 | 5 | 5 | 8 | 5 | 5 | 5 | 7 | 8 | 8 | 6 | 4 | 2 | - | 1* | 1* | 1* |
| VR2 = 24 | 9 | 8 | 8 | 7 | 2 | 1 | 4 | 2 | 5 | 6* | 8 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 2* | 4 |
| JA1 = 25 | 8 | 7 | 7 | 5 | 1* | - | 2 | 5 | 7* | 8* | 6* | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 2 | 1 | 5* | 6 | 8 | 9 |
| HS = 26 | 7 | 9 | 8 | 7 | 2 | 2 | 5 | 5 | 8 | 7 | 8 | 4 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1* |
| DU = 27 | 9 | 8 | 8 | 6 | 2 | 2* | 4 | 5 | 5 | 7* | 8 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 2* | 2* | 8 |
| YB = 28 | 8 | 5 | 2 | 1 | - | - | 2 | 4 | 7 | 6 | 8 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 7 | 5 | 1 | 1* | 3 |
| VK6 = 29 | 1 | 1 | 1* | 1 | 1* | - | 1 | 6 | 6 | 7 | 7 | 5 | 4 | 1* | 1* | 1* | 1* | 1* | 1* | - | - | - | 2* | 1* |
| VK3 = 30 | 5 | 2 | 1* | 1* | 1* | - | - | 5 | 7 | 5 | 3* | 3* | 2* | 1* | 1* | 1* | 1* | - | - | - | 3* | 4 | 6 | 8 |
| KH6 = 31 | 8 | 8 | 8 | 8 | 8 | 4 | 1* | 3* | 5* | 8 | 6 | 5 | 2* | 2* | 3* | 2* | 6 | 6 | 7* | 8* | 6 | 6 | 6 | 7 |
| KH8 = 32 | 6 | 7 | 7 | 7 | 8 | 8 | 6 | 6 | 9 | 9 | 7 | 5 | 3* | 3* | 4* | 5* | 1* | 4 | 7* | 8* | 8* | 6* | 5 | 5 |
| CN = 33 | 9+ | 8 | 7 | 6 | - | - | - | 1 | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 8 | 2* | 2* | 1* | 6 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 7 | - | - | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9 | 9 | 7 | 4 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 6 | 2 | 1 | 4* | 3* | 1* | 7 | 9+ | 9 | 8 | 8 | 8 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 4* | - | 1 | 7 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 6 | 3 | - |
| FR = 39 | - | - | 2* | 3* | 1 | 2 | 8 | 8 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - |
| FJL = 40 | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 6 | 7 | 5 | 5 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 1 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Sep., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 5* | 3* | 2 | 4 |
| VO2 = 02 | 5 | 3 | 2 | 2 | 2 | - | - | - | - | - | 4 | 8 | 7 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| W6 = 03 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 8 | 2 | 1 | - | 1 | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 7 | 2 | 4 | 1 | 1 | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 8 | 6 | 6 | 1 | 1* | - | 4 | 1 | - | - | 7 | 8 | 8 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 8 | 7 | 4 | 5 | 1 | 1* | 1* | - | - | - | 4 | 8 | 7 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 7 | 4 | 1 | 1 | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| P4 = 09 | 8 | 8 | 5 | 1 | 1 | - | 1* | - | - | - | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 9 | 8 | 9 | 8 | 7 | 4 | 1* | 4* | 4* | - | - | 8 | 7 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| PY1 = 11 | 9 | 5 | 9+ | 9+ | 9+ | 9 | 3 | 1 | 8 | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9+ | 9+ | 8 | 4 | 6 | 3 | - | - | - | - | 5 | 8 | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 8 | 2 | - | 2 | - | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 1 | 1 | 2 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - |
| I = 15 | 2 | 1 | - | - | - | - | - | 6 | 9+ | 9 | 8 | 5 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 3 |
| UA3 = 16 | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 2 | - | - |
| UN = 17 | 2* | 2* | 5 | 8 | 1 | - | 6 | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 8 | 8 | 7 | 5 | 3 | 1 | 1 | - |
| UA9 = 18 | 2* | 1* | - | 5 | - | - | 1 | 8 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 5 | 2 | - | - | - | - | 2* |
| UA0 = 19 | 7 | 8 | 7 | 5 | - | - | - | 8 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1* | 5* | 3* | 2 |
| 4X = 20 | 9 | 6 | 1 | 1* | 1* | - | 2 | 3 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 7 | 5 | 4* | 2* | 2* | 1* | 6 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | 2* | 2 | 8 | 8 | 4 | 1 | 6 | 8 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 6 | 1 | - | 4 | 4 | 4 | - |
| JT = 23 | 2* | 1 | 8 | 6 | - | - | 2 | 8 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 4 | 4 | 1 | - | - | - | - | 2* | 2* |
| VR2 = 24 | 8 | 9 | 8 | 6 | 1 | 1* | 4 | 4 | 4 | 7* | 6* | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | 2* | 4* |
| JA1 = 25 | 8 | 7 | 5 | 3 | - | - | 1 | 7 | 5 | 8* | 7* | 5 | 3 | 2 | 1* | - | 1 | - | - | - | 1* | 5* | 5 | 8 |
| HS = 26 | 2 | 9 | 7 | 5 | 1* | 1 | 5 | 7 | 6 | 6 | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | - | 2* |
| DU = 27 | 9 | 8 | 7 | 4 | 2* | 2* | 4 | 6 | 4 | 8* | 7* | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | 1* | 5* | 6 |
| YB = 28 | 6 | 3* | 2* | 1* | - | - | 1 | 6 | 5 | 6* | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | 2* | 2* |
| VK6 = 29 | 2* | 2* | 2* | 1* | - | - | - | 1 | 6 | 6 | 5 | 4* | 2* | 1* | 1* | - | - | - | - | - | - | - | 3* | 2* |
| VK3 = 30 | 2* | 2* | 2* | 1* | 1* | - | - | - | 7* | 5* | 4* | 2* | 1* | 1* | - | - | - | - | - | - | 1* | 5* | 4* | 4 |
| KH6 = 31 | 7 | 8 | 6 | 4 | 5 | - | - | 3* | 6* | 6* | 5* | 4* | 3* | 3* | 2* | - | 4 | 6 | 6 | 7* | 7 | 6 | 6 | 7 |
| KH8 = 32 | 7 | 7 | 4 | 3* | 5 | 5 | 2 | 5* | 5* | 7 | 6* | 5* | 5* | 4* | 4* | 2* | - | 4 | 6 | 8* | 8* | 7* | 6 | 6 |
| CN = 33 | 4 | 1 | - | 1 | - | - | - | - | 9+ | 9 | 5 | 1 | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6 |
| SU = 34 | 9 | 8 | 3 | 1* | 1* | 1* | 2 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9 | 9 | 8 | 9 | 1 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9 | 8 | 6 | 7 | 1 | 1* | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 4* | 4* | 1* | 2 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 4 | 1 | 1 | - | - |
| FR = 39 | - | - | 4* | 1* | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 3 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 3* | 2 | 4 | 6 | 6 | 4 | 2 | 2 | 3 | 3 | 1 | 2 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Sep., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - |
| VO2 = 02 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 1 | 8 | 7 | 8 | 8 | 6 | 8 | 7 | 5 | 5 |
| W6 = 03 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 6 | 7 | 8 | 7 | 7 | 8 |
| W9 = 04 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| W3 = 05 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 7 |
| XE1 = 06 | 7 | 6 | 3 | - | 2 | - | - | - | - | - | - | - | - | 7 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 6 |
| TI = 07 | 8 | 4 | 1 | - | 1 | - | - | - | - | - | - | - | 5 | 5 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 1 | - | - | - | - | - | - | - | - | - | 2 | 9 | 9 | - | 1* | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9 | 5 | - |
| P4 = 09 | 1 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 2 | 1 | 1 | 5 | 9 | 9 | 9+ | 9 | 9 | 7 | 1 |
| HC = 10 | 9 | 8 | 6 | 2 | 3 | 1 | 1* | 2* | - | - | - | 6 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 6 | 8 | 4 | 1* | - | - | 9+ | 4 | 6 | 4 | 2 | 2 | 5 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 3* |
| CE = 12 | 9 | 7 | 1 | 1* | 1 | - | - | - | - | - | - | 9 | 1 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 7 | 1 | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| G = 14 | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 7 | 1 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 9 | 8 | - | - | - | - | - | 3 | 6 | 9 | 9+ | 9+ | 9 | 4 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 7 | 4 | 1 | - | - | - |
| UN = 17 | 1* | 2* | - | 5 | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 3 | 4 | 2 | 1 | - | - | - | - |
| UA9 = 18 | 1* | - | - | 1 | - | - | - | 1 | 7 | 7 | 2 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1 | 3 | 1 | 1 | - | - | - | 2 | 7 | 7* | 5 | 2 | - | - | - | - | - | - | - | - | - | 4* | 5* | 3* |
| 4X = 20 | 2 | - | - | - | - | - | - | 8 | 9 | 9 | 8 | 4 | 3 | 4 | 5 | 5 | 6 | 7 | 9 | 9 | 9 | 9 | 8 | 6 |
| HZ = 21 | 1 | 1 | 2* | - | 1* | - | 2 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 4 |
| VU = 22 | 1* | 5* | 5 | 6 | 1 | - | 5 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | - | - | - | - | - | - | - |
| JT = 23 | 3* | 1* | 4 | 2 | - | - | - | 6 | 6 | 6* | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1* | 5* |
| VR2 = 24 | 5 | 8 | 6 | 4 | 1* | 1* | 2 | 6 | 6 | 7* | 8* | 6 | 7 | 8 | 8 | 7 | 6 | 5 | 5 | 4 | 1 | - | 3* | 5* |
| JA1 = 25 | 7 | 3 | 1 | 1 | - | - | - | 3 | 5 | 8* | 6* | 5* | - | - | - | - | - | - | - | - | - | 5* | 4* | 5 |
| HS = 26 | 5* | 7 | 5* | 2* | 1* | - | 2 | 5 | 8 | 6 | 6 | 8 | 8 | 7 | 9 | 8 | 8 | 8 | 8 | 7 | 3 | - | - | 3* |
| DU = 27 | 8 | 5 | 5* | 2 | 2* | 1* | 2 | 6 | 7 | 7 | 8* | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | 5* | 6* |
| YB = 28 | 3* | 2* | 1* | - | - | - | - | 1 | 7 | 6 | 8 | 7 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | 3* |
| VK6 = 29 | 2* | 1* | 1* | - | - | - | - | - | 1 | 5* | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - | 4* |
| VK3 = 30 | 2* | 1* | - | 1* | - | - | - | - | 2* | 4* | 2* | 1* | - | - | - | - | - | - | - | - | - | 5* | 5* | 4* |
| KH6 = 31 | 5 | 5 | 1 | - | 1 | - | - | - | 5* | 5* | 4* | 3* | 2* | 1* | 1* | - | - | 6 | 6 | 8 | 7 | 7 | 6 | 4 |
| KH8 = 32 | 6 | 5 | 2* | 1* | 1 | 1 | - | 5* | 7* | 7* | 6* | 6* | 5* | 3* | 1* | - | - | - | 8 | 8 | 8 | 8 | 7 | 6 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9+ | 9+ | 8 | 1 | - | - |
| SU = 34 | 5 | 1 | - | - | - | - | - | 7 | 9 | 9 | 5 | 2 | 2 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 8 | 8 | 7 |
| 6W = 35 | 5 | 2 | 1 | 4 | - | - | - | - | 8 | 9+ | 9 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 8 |
| D2 = 36 | 5 | 1 | - | 2 | - | - | 1 | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | 2* | 2* | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 1 | 1 | 1* | 1 | 2 | 6 | 6 | 5 | 2 | 2 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Sep., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 | 1 | 5 | 4 | 1 | 1 |
| W6 = 03 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 4 | 5 | 1 | 5 | 5 |
| W9 = 04 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1* | 2 | 3 | 5 | 6 | 8 | 7 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 4 | 7 | 7 | 4 |
| XE1 = 06 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 2 | 6 | 7 | 8 | 8 | 8 | 4 | - |
| TI = 07 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 3 | 7 | 8 | 8 | 9 | 9 | 9 | 7 | 4 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | 1* | 1* | 2* | 3 | 6 | 7 | 7 | 3 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | 1* | 1* | 2* | 2 | 5 | 7 | 6 | 4 | - | - |
| HC = 10 | 5 | 4 | 1 | - | 1 | - | - | - | - | - | - | - | 5 | 2 | 2 | 3 | 4 | 6 | 8 | 8 | 9 | 9 | 8 | 5 |
| PY1 = 11 | 9+ | 9 | 4 | - | 5 | - | - | - | - | 9 | - | - | 1* | 8 | 9+ | 1* | 3 | 5 | 5 | 5 | 4* | 4* | 9+ | 9+ |
| CE = 12 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| LU = 13 | 2 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 |
| G = 14 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 3 | 4 | 5 | 5 | 7 | 8 | 7 | 2 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | 2 | 5 | 9 | 5 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - |
| UN = 17 | - | - | - | 1 | - | - | - | 3 | 6 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 4 | 2 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 3 | 4* | 1 | - | - | - | - | - | - | - | - | - | - | - | 2* | - |
| 4X = 20 | - | - | - | - | - | - | - | - | 9 | 5 | 1* | 1* | - | - | 1* | - | - | 1 | 4 | 4 | 4 | 2 | 2 | - |
| HZ = 21 | - | - | - | - | 1* | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 8 | 7 | 7 | 6 | - |
| VU = 22 | - | 3* | 1 | 3 | - | - | 2 | 5 | 8 | 8 | 7 | 6 | 6 | 7 | 9 | 9 | 1 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | 1 | 1 | 2* | - | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5* | 5 | 3* | 1 | 1* | - | 1 | 2 | 6 | 6 | 8* | 6 | 6 | 8 | 6 | 5 | 2 | 1 | 1 | - | - | - | - | 4* |
| JA1 = 25 | 2 | - | - | - | - | - | - | - | 1 | 4* | 5* | 2* | - | - | - | - | - | - | - | - | - | 2* | 4* | 2* |
| HS = 26 | 5* | 5 | 2* | - | 1* | - | - | - | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 5 | 2 | 2 | 2 | 2 | - | - | - | 1* |
| DU = 27 | 6* | 5* | 2* | 1* | 2* | 1* | 1 | 2 | 7 | 7 | 8* | 7 | 8 | 8 | 6 | 4 | 4 | 3 | 1 | - | - | - | 2* | 5* |
| YB = 28 | 1* | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 7 | 5 | 4 | 3* | - | - | - | - | - | - | - | 1* |
| VK6 = 29 | 1* | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 1* | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | 2* | 5* | 3* |
| KH6 = 31 | 1 | - | - | - | - | - | - | - | 1* | 2* | 1* | 1* | 1* | - | - | - | - | 1 | 2 | 5 | 7 | 7 | 3 | - |
| KH8 = 32 | 4 | 1 | 1* | - | - | - | - | 1* | 7* | 6* | 5* | 4* | 2* | 1* | - | - | - | - | 6 | 8 | 8 | 7 | 7 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | 3 | 1* | 1* | - | - | 1* | 1* | - | - | 2 | 2 | 1 | 1 | 1 | 1 |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 6 | 1 | 1 | 4 | 5 | 4 | 2 | 2* | 3 | 5 | 4 | 3 | 1 | - | 1 |
| D2 = 36 | - | - | - | - | - | - | - | - | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 |
| 5Z = 37 | - | - | - | - | 1* | - | - | - | 1 | 3 | 3* | 3 | 3 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 3 | 6 | 5 | 5 | 6 | 6 | 6 | 5 | 2 | 4 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Oct., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| W6 = 03 | - | - | - | 2 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| XE1 = 06 | - | 2 | 4 | 4 | 4 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 4 | 3 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 |
| P4 = 09 | 4 | 3 | 3 | 4 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 1 | 3 | 3 | 3 | 4 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 |
| CE = 12 | 2 | 3 | 3 | 3 | 4 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| G = 14 | 4 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| I = 15 | 4 | 4 | 4 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 3 | 4 | 4 |
| UA3 = 16 | 4 | 5 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 |
| UN = 17 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 1 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 4 | 2 |
| HZ = 21 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 5 | 5 |
| VU = 22 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - |
| VK3 = 30 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 5 |
| SU = 34 | 4 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 6 | 6 |
| FJL = 40 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Oct., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | 1 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| W6 = 03 | - | 1 | 3 | 5 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 8 | 8 | 9 | 8 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| XE1 = 06 | 3 | 5 | 7 | 7 | 7 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 7 | 6 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 |
| P4 = 09 | 7 | 6 | 6 | 7 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| HC = 10 | 4 | 6 | 6 | 6 | 7 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ |
| CE = 12 | 5 | 6 | 6 | 6 | 7 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| G = 14 | 7 | 7 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 6 | 7 | 7 |
| I = 15 | 7 | 7 | 7 | 6 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 6 | 7 | 7 |
| UA3 = 16 | 7 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 7 |
| UN = 17 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| UA9 = 18 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | - | - | 1 | 3 | - | - |
| 4X = 20 | 5 | 5 | 4 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 6 | 7 | 5 |
| HZ = 21 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 |
| VU = 22 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 5 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 1 | - |
| VK3 = 30 | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 8 |
| SU = 34 | 7 | 5 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 9 | 9 | 9 |
| FJL = 40 | 7 | 6 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Oct., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | 5 | 5 | 8 | 7 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 |
| W6 = 03 | 5 | 6 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| TI = 07 | 8 | 9 | 8 | 9 | 8 | 9 | 8 | 8 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 8 | 8 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 |
| I = 15 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 5 | 6 | 6 | 7 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 6 | 6 | 2 |
| 4X = 20 | 7 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 8 |
| HZ = 21 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 | 8 | 8 |
| VU = 22 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 8 | 8 | 7 |
| JT = 23 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 5 | 6 | 6 | 6 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 6 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 5 | 3 | 1 |
| HS = 26 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 6 | 4 | 4 |
| YB = 28 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 1 | - | - |
| KH6 = 31 | - | - | - | 1 | 7 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 8 | 8 | 8 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 4 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Oct., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 7 | 7 | 7 | 7 | 8 | 7 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 2 | 3 | 5 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 |
| W9 = 04 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 3 | 1 | 1 | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | 2 | 6 | 7 | 9 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 6 | 5 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 8 | 8 | 8 | 7 |
| UA0 = 19 | 2 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 | 6 |
| 4X = 20 | 8 | 8 | 8 | 7 | 7 | 5 | 5 | 3 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 8 |
| HZ = 21 | 8 | 9 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 8 | 8 | 7 |
| VR2 = 24 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 7 | 6 | 6 | 7 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 6 | 3 |
| HS = 26 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 7 | 7 | 5 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 | 5 | 1 |
| KH6 = 31 | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 3 | 6 | 7 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 8 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 5 | 3 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 7 | 8 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 9 | 9 | 9 | 8 |
| FJL = 40 | 8 | 7 | 6 | 3 | 2 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Oct., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 9 | 9 | 8 | 7 | 4 | 6 | 2* | 1* | 1* | - | - | - | - | - | 1 | 4 | 8 | 7 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 6 | 8 | 8 | 8 | 7 | 4 | 2 | 1 | 2 | 5 | 7 | 9 | 9 | 9 | 9+ | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 5 | 1 | - | - | 1 | - | - | - | 2 | 1 | 1 | 4 | 4 | 7 | 9 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 2 | - | 7 | 5 | 1 | - | 1 | 1 | 4 | 4 | 5 | 7 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 8 | 6 | 1 | 8 | 8 | 5 | 2 | 1 | 1 | 3 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | - | 6 | 4 | 1 | - | 1 | 1 | 2 | 2 | 4 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 4 | 2 | 3 | 7 | 5 | 2 | 1 | 1 | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 5 | 4 | 9+ | 9 | 8 | 7 | 5 | 3 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6 | 2 | 9 | 9 | 8 | 8 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 5 | 8 | 6 | 4 | 2 | 1 | 1 | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 7 | 6 | 2 | 2 | 1 | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 8 | 7 | 5 | 4 | 4 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 9 | 9 | 9 | 7 | 3 | 6 | 9 | 9 | 7 | 5 | 1 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| I = 15 | 9+ | 9+ | 9+ | 9 | 4 | 3* | 8 | 9 | 8 | 6 | 4 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 7 | 7 | 6 | 8 | 5 | 8 | 8 | 6 | 3 | 2 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| UN = 17 | 8 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 1 | - | 1 | 1 | 1 | 2 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | - | 2 | 8 | 9 | 7 | 2 | 6 | 5 | 3 | 5 | 1 | - | - | 1 | 2 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 1 |
| UA0 = 19 | 7 | 8 | 6 | 4 | 5 | 2 | 6 | 5* | 5* | 4* | 2 | - | - | - | 1 | 1 | 3 | 5 | 5 | 5 | 4 | 5 | 8 | 8 |
| 4X = 20 | 9+ | 9+ | 8 | 7 | 8 | 5 | 8 | 8 | 6 | 4 | 3 | 2 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 8 | 8 | 8 | 7 | 8 | 7 | 4 | 2 | 1 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 8 | 9 | 8 | 8 | 6 | 2 | 1 | 1 | - | - | - | 1 | 2 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 7 | 9 | 9 | 8 | 6 | 2 | 3 | 2 | 1 | 1* | 1 | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 | 6 | 3 | 2 |
| VR2 = 24 | 8 | 8 | 6 | 2 | - | - | - | 2* | 3* | 3* | 1* | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 8 | 2 | 7 |
| JA1 = 25 | 7 | 5 | 4 | 2 | 3 | 3* | 5* | 6* | 6* | 5* | 2* | 1* | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 6 | 7 | 8 | 8 |
| HS = 26 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | 1* | 1 | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 8 | 8 | 5 | 1 | - | - | 1* | 3* | 5* | 4* | 2* | 1* | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 8 |
| YB = 28 | 9 | 9 | 8 | 4 | 2 | - | - | - | 2* | 1 | 1* | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 7 | 5 | 1 | 1 | 1 | 2 | 1 | 1 | 1* | - | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 7 | 7 | 6 | 5 | 7 |
| VK3 = 30 | 6 | 5 | 4 | 3 | 2 | 2 | 4 | 6 | 6 | 3 | 2 | 1 | - | - | - | - | 2 | 3* | 3 | 5 | 8 | 8 | 8 | 8 |
| KH6 = 31 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 8 | 6 | 4 | 1 | - | - | 1* | - | 2* | 8 | 5* | 3* | 1 | 1 | 2 |
| KH8 = 32 | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | 1* | 5* | 5* | 7* | 7* | 6* | 3* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 3 | 9+ | 9 | 8 | 7 | 6 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 8 | 9 | 8 | 5 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 3 | 3 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 7 | 5 | 3 | 1* | 1* | 6 | 9 | 9+ | 9 | 8 | 6 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 8 | 7 | 6 | 9 | 8 | 8 | 8 | 7 | 4 | 2 | 1 | 1 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 1 | 1* | 1* | 1* | 1* | 1* | 8 | 8 | 8 | 5 | 3 | 2 | 1 | 1 | 2 | 3 | 6 | 8 | 9 | 9 | 9 | 7 | 5 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Oct., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 7 | 4 | 1 | - | 2* | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| VO2 = 02 | 5 | 2 | 6 | 8 | 8 | 5 | - | - | - | 1 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 8 | 3 | 4 | 2 | 1 | 3 | 3 | 1 | - | - | - | 2 | 3 | 2 | 7 | 5 | 6 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 9 | 6 | 5 | 5 | 5 | 2 | 5 | 1 | - | - | 3 | 7 | 6 | 5 | 6 | 9 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 7 | 7 | 7 | 8 | 7 | 8 | 1 | 3 | - | - | 4 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| XE1 = 06 | 9+ | 9+ | 9 | 7 | 7 | 6 | 6 | 5 | 5 | 2 | - | - | 7 | 6 | 3 | 5 | 9 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 4 | 1* | - | - | 9 | 8 | 7 | 6 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1* | 9 | 9 | 8 | 7 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9+ | 9+ | 5 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9 | 9 | 8 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | 1 | 4 | 5 | - | - | - | 8 | 9 | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 8 | 6 | 3 |
| I = 15 | 9 | 9 | 8 | 5 | - | 2* | 2 | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 1 | - | 1 | 3* | 3* | 2* | 6 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 7 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | 1 |
| UN = 17 | 4 | 5 | 8 | 9 | 7 | 2 | 7 | 7 | 5 | 7 | 9 | 6 | 4 | 5 | 6 | 8 | 8 | 8 | 6 | 6 | 6 | 6 | 6 | 5 |
| UA9 = 18 | - | - | 2 | 9 | 5 | 2* | 5 | 8 | 7 | 6 | 6 | 5 | 4 | 4 | 5 | 7 | 7 | 6 | 4 | 2 | 1 | - | 1* | - |
| UA0 = 19 | 8 | 8 | 7 | 7 | 5 | 2* | 5 | 7 | 8* | 6* | 5 | 5 | 4 | 1 | - | - | - | - | - | - | 4* | 3* | 2* | 7 |
| 4X = 20 | 9+ | 9 | 9 | 3* | 2 | 2* | 8 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 5 | 4 | 7 | 5 | 8 | 9 | 8 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 3 | 2 | 8 | 9 | 8 | 5 | 6 | 5 | 4 | 5 | 9 | 4 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 9 | 8 | 5 |
| JT = 23 | 1* | 7 | 9 | 8 | 4 | 2* | 5 | 6 | 5 | 4 | 8 | 5 | 5 | 5 | 6 | 5 | 4 | 2 | 1 | 1 | - | - | 1* | 1* |
| VR2 = 24 | 9 | 8 | 8 | 8 | 4 | 2 | 4 | 6 | 7* | 7 | 8 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 2* | 2* |
| JA1 = 25 | 8 | 7 | 6 | 6 | 4* | 5* | 5 | 7* | 8* | 8* | 6* | 5 | 4* | 3* | 2 | 2* | 3 | 4 | 4 | 1 | 3* | 2* | 8 | 8 |
| HS = 26 | 8 | 9 | 9 | 8 | 5 | 4 | 5 | 5 | 8 | 7 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 7 | 5 |
| DU = 27 | 9 | 9 | 8 | 7 | 4 | 3* | 3 | 5 | 7* | 7* | 6* | 4 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 3 | 2* | 9 |
| YB = 28 | 9 | 8 | 7 | 5 | 2 | 2 | 4 | 4 | 7 | 7 | 4 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 |
| VK6 = 29 | 7 | 6 | 2 | 3 | 1 | 2 | 5 | 6 | 6 | 6 | 8 | 5 | 5 | 3 | 1* | 1* | 2* | 3* | 3* | 1* | - | 2* | 1* | 1* |
| VK3 = 30 | 7 | 6 | 4 | 3 | 1 | 1* | 4 | 8 | 6 | 6 | 5 | 4* | 2* | 1* | 1* | 2* | 3* | 1* | 1* | 4* | 4 | 7 | 8 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 8 | 6 | 5* | 5 | 2* | 3* | 3* | 1* | 5 | 5 | 7* | 8* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 4* | 5* | 3 | 5 | 8* | 8* | 8* | 7* | 5 | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 5 | - | - | 8 | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 4 | 3* | 2* | 8 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 8 | 4* | 4 | 4 | 9 | 9+ | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | 2* | 3* | 1* | 7 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 2 |
| FR = 39 | 4 | 1 | 3* | 7 | 5 | 6 | 8 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| FJL = 40 | 1* | 2* | 1* | 1* | 1* | 1* | 5 | 5 | 8 | 8 | 7 | 5 | 5 | 4 | 5 | 7 | 8 | 9 | 8 | 7 | 2 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Oct., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 5 | 1 | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 7 |
| VO2 = 02 | 1 | - | 1 | 2 | 3 | 1 | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 7 | 5 |
| W6 = 03 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 6 | 7 | 8 | 8 | 9 | 8 | 9 |
| W9 = 04 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 2 | 2 | 1 | 3 | 1 | 4 | - | - | - | - | - | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 |
| XE1 = 06 | 9+ | 9 | 5 | 1 | - | - | 1 | 1 | 1 | - | - | - | 8 | 8 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 8 | 7 | 1 | - | - | - | - | 7 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 4* | 4* | - | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 9 | 2* | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 4 | 5 | 7 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 8 | 8 | 5 | 3 | 5 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 5 | 8 | 4 | 1 | - |
| I = 15 | 5 | 5 | 4 | - | - | - | 1* | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 |
| UA3 = 16 | - | - | - | - | 2* | 1* | 2 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - |
| UN = 17 | 1* | 1 | 5 | 9 | 5 | 2* | 6 | 8 | 7 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 5 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| UA9 = 18 | 2* | 2* | 2* | 5 | 1 | 1* | 2 | 8 | 8 | 7 | 7 | 6 | 7 | 7 | 7 | 1 | 1 | 1 | - | - | - | - | - | 1* |
| UA0 = 19 | 8 | 9 | 8 | 8 | 2 | 1* | 2 | 8 | 8* | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | 2* | 5* | 4* | 3* |
| 4X = 20 | 9+ | 9 | 5 | 5* | 3* | 3* | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 7 | 2* | 3* | 4 | 1 | 6 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| VU = 22 | 2* | 2* | 6 | 9 | 6 | 2 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 8 | 3 | 1 | 4 | 4 | 3 | - |
| JT = 23 | 2* | 2* | 8 | 8 | 2* | 2* | 3 | 8 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | - | - | - | - | - | - | - | 2* | 2* |
| VR2 = 24 | 8 | 9 | 8 | 7 | 3 | 2* | 5 | 4 | 6* | 8* | 7* | 5 | 6 | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 6 | - | 2* | 4* |
| JA1 = 25 | 8 | 7 | 7 | 5 | 3* | 3* | 2 | 7 | 8* | 8* | 7* | 5* | 5* | 4* | 2* | 2* | 1* | - | - | - | 4* | 5* | 4 | 9 |
| HS = 26 | 6 | 9 | 9 | 7 | 2 | 2 | 5 | 5 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 2* |
| DU = 27 | 9 | 9 | 8 | 7 | 3* | 4* | 4 | 5 | 6* | 8* | 7* | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 4* | 4* | 7 |
| YB = 28 | 9 | 7 | 4 | 2 | 1* | 1 | 4 | 5 | 5 | 5 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 3* | 5 |
| VK6 = 29 | 2* | 2* | 2* | 2* | 2* | - | 4 | 5 | 5 | 5 | 5 | 5 | 3* | 2* | 2* | 2* | 1* | 1* | - | - | - | 1* | 4* | 3* |
| VK3 = 30 | 5 | 2 | 1 | 2* | 2* | - | 1 | 7 | 6* | 5* | 4* | 4* | 3* | 2* | 2* | 2* | 1* | - | - | 1* | 5* | 5* | 6 | 7 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 8 | 6 | 2* | 4* | 5 | 5* | 5* | 5* | 3* | 3* | 2* | - | 5 | 6 | 6 | 8* | 7 | 7 | 7 | 8 |
| KH8 = 32 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 5 | 5* | 5* | 5* | 4* | 2 | 6 | 6 | 8* | 8* | 7* | 6 | 7 |
| CN = 33 | 9+ | 9+ | 9 | 8 | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 7 | 4* | 3* | 3* | 4 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 6 | 4 | 3 | 6* | 5* | 3* | 6 | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 4* | 1* | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 4 | 1 | - |
| FR = 39 | - | 1* | 4* | 4* | 4* | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 |
| FJL = 40 | - | 1* | 1* | - | - | - | 1 | 3* | 5 | 7 | 8 | 7 | 8 | 7 | 7 | 7 | 7 | 5 | 1 | 1 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Oct., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 6* | 5* | 4 | 2 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | - |
| W6 = 03 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| XE1 = 06 | 9 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 8 | 7 | 6 | 6 | 2 | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 9 | 8 | 5 | 3 | - | - | - | - | - | 9 | 9+ | 9 | 5 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| P4 = 09 | 8 | 8 | 7 | 4 | 4 | - | - | - | - | - | 2 | 9 | 9 | 5 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | 3* | 1* | - | - | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| PY1 = 11 | 9 | 6 | 9+ | 9+ | 9+ | 9 | 7 | 5 | 8 | - | 5 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9+ | 9+ | 9 | 7 | 7 | 6 | 1 | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 6 | 2 | 4 | 2 | 1* | - | - | 4 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 1* | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 4 | 8 | 2 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | 1 | 9+ | 9 | 6 | 4 | 4 | 3 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 4 | 1 |
| UA3 = 16 | - | - | - | - | - | - | - | 4 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 4 | - | - | - | - | - |
| UN = 17 | 1* | 4* | 3* | 8 | 2* | 1* | 4 | 8 | 8 | 8 | 6 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 4* | 2* | 1* | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 4* | 6 | 7 | 6 | - | - | - | 7 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 5* | 5* | 4* | |
| 4X = 20 | 9 | 5 | - | 2* | 3* | 2* | 1* | 9 | 9 | 9 | 2 | 2 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 |
| HZ = 21 | 7 | 4 | 3* | 4* | 3* | 2* | 4 | 6 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | 1* | 3* | 4* | 8 | 2 | 2* | 5 | 8 | 8 | 7 | 5 | 7 | 8 | 8 | 9 | 9 | 8 | 1 | - | - | - | - | - | - |
| JT = 23 | 4* | 3* | 4 | 5 | 1* | 1* | 1 | 7 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 4* |
| VR2 = 24 | 6* | 9 | 8 | 6 | 3* | 3* | 3 | 6 | 6 | 7* | 7* | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | 1 | - | 3* | 5* |
| JA1 = 25 | 8 | 5 | 4 | 4 | 1* | 1* | - | 6 | 8 | 8* | 7* | 6* | 5* | 2* | 1* | - | - | - | - | - | - | 5* | 6* | 7 |
| HS = 26 | 6* | 8 | 6 | 5 | 3* | 2* | 4 | 7 | 7 | 6 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | - | 5* |
| DU = 27 | 9 | 8 | 7 | 5 | 4* | 4* | 2 | 7 | 7 | 8* | 8* | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | - | 5* | 6* |
| YB = 28 | 7 | 5* | 4* | 2* | 1* | - | 2 | 5 | 6 | 6 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 3 | - | - | 2* | 4* |
| VK6 = 29 | 5* | 5* | 4* | 3* | 1* | - | 1 | - | - | 7* | 5* | 4* | 2* | 2* | 1* | - | - | - | - | - | - | - | 3* | 5* |
| VK3 = 30 | 5* | 4* | 2* | 2* | 1* | - | - | 1 | 6* | 5* | 5* | 3* | 2* | 1* | 1* | - | - | - | - | - | 2* | 5* | 5* | 5* |
| KH6 = 31 | 8 | 8 | 8 | 7 | 7 | 2 | 1* | 3* | 7* | 6* | 6* | 5* | 3* | 2* | 1* | - | 1 | 7 | 8 | 8 | 8 | 7 | 7 | 7 |
| KH8 = 32 | 8 | 8 | 7 | 5 | 7 | 7 | 5 | 7* | 8* | 7 | 5* | 6* | 6* | 5* | 4* | 1* | - | 7 | 7 | 8* | 8 | 7 | 7 | 8 |
| CN = 33 | 8 | 5 | 3 | 3 | - | - | - | - | 6 | 9+ | 7 | 5 | 3 | 1 | 3 | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 |
| SU = 34 | 8 | 7 | 2 | - | 4* | 2* | 1* | 9 | 9 | 9 | 1 | 1 | 3 | 6 | 9 | 9 | 9 | 9+ | 9+ | 8 | 7 | 7 | 9 | 9 |
| 6W = 35 | 9 | 8 | 8 | 9 | 3 | - | - | - | 9 | 9+ | 9+ | 9 | 8 | 7 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 |
| D2 = 36 | 9 | 8 | 9 | 8 | 2 | 2* | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 6* | 4* | 2* | 1 | 5 | 9 | 6 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 |
| ZS6 = 38 | - | - | - | - | 2* | - | - | - | - | 1 | 1 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 1 | - | - | - |
| FR = 39 | - | - | 4* | 2* | 1* | - | 5 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1* | 1 | 5 | 7 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Oct., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 4 | 5 | 7 | 7 | 6 | 6 | 3 | 1* | - |
| W6 = 03 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| W9 = 04 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 5 | - |
| XE1 = 06 | 7 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 3 | 7 | 8 | 8 | 8 | 8 | 8 | 5 | 4 |
| TI = 07 | 8 | 4 | 2 | 1 | 3 | - | - | - | - | - | - | - | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| VP2 = 08 | 4 | 4 | 1 | - | - | - | - | - | - | - | 1 | 9 | - | 1* | 2* | 1* | 5 | 9 | 9 | 9+ | 8 | 5 | 1 | 1 |
| P4 = 09 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | 9 | - | - | 1* | 1* | 5 | 7 | 9 | 9 | 8 | 4 | 1* | - |
| HC = 10 | 7 | 7 | 6 | 5 | 5 | 2 | 1* | 1* | - | - | - | 7 | 5 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 6 |
| PY1 = 11 | 9+ | 9+ | 9 | 9 | 9 | 8 | 2 | - | 1 | 9+ | - | 9+ | 9+ | 9+ | 9+ | 1 | 7 | 8 | 9 | 9 | 9 | 8 | 6 | 9+ |
| CE = 12 | 9+ | 9 | 5 | 1 | 3 | 1 | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 6 | - | 1* | 1 | - | - | - | - | - | 6 | 7 | 5 | 4 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 5 | 2 | - | - | 9 | 8 | 9 | 9 | 2 | 9 | 9 | 4 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 6 | 4 | 2* | 1* | 1* | 1* | 1* | 2 | 5 | 6 | 9 | 9 | 5 | 2 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 8 | 7 | 7 | 6 | 5 | 5 | 6 | 7 | 5 | - | 1 | - | - | - | - | - |
| UN = 17 | - | 5* | 1* | 5 | 1* | - | 1 | 6 | 9 | 8 | 4* | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 3* | 2* | - | - | - | - | - | - | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 1 | 2 | 3 | - | - | - | 1 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2* | 6* | 4* |
| 4X = 20 | 3 | - | - | - | 2* | 1* | - | 2 | 8 | 3* | 2* | 2* | 2* | 1* | 2 | 5 | 5 | 5 | 5 | 2 | 1 | 1 | 3 | 7 |
| HZ = 21 | 2 | 1 | 1* | 3* | 2* | 1* | - | - | 9 | 7 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 |
| VU = 22 | - | 5* | 4* | 6 | 2* | 1* | 3 | 6 | 7 | 5 | 4* | 3* | 7 | 8 | 9 | 9 | 2 | - | - | - | - | - | - | - |
| JT = 23 | 5* | 2* | - | 2 | 1* | 1* | - | 2 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 4* |
| VR2 = 24 | 6* | 7 | 5 | 4 | 3* | 2* | 1 | 4 | 6 | 6* | 7* | 6* | 6 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | 6* |
| JA1 = 25 | 6 | 2 | 1 | 1 | - | - | - | 1 | 7 | 8* | 5* | 4* | 2* | - | - | - | - | - | - | - | - | 5* | 6* | 5* |
| HS = 26 | 6* | 7 | 5* | 4* | 3* | 1* | 1 | 2 | 5 | 4* | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | 4* |
| DU = 27 | 8 | 6* | 5* | 5* | 4* | 3* | 1 | 4 | 6 | 6 | 7* | 7* | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | 6* | 6* |
| YB = 28 | 4 | 4* | 2* | - | 1* | - | 1 | - | 2 | 2 | 7* | 5 | 8 | 8 | 7 | 6 | 5 | 4 | - | - | - | - | - | 2* |
| VK6 = 29 | 4* | 5* | 4* | 1* | - | - | - | - | - | 5* | 4* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | 4* |
| VK3 = 30 | 5* | 4* | 3* | 2* | - | - | - | - | 1* | 4* | 2* | 2* | - | - | - | - | - | - | - | - | - | 5* | 5* | 6* |
| KH6 = 31 | 6 | 5 | 5 | 2 | 4 | - | - | - | 5* | 5* | 6* | 4* | 2* | 1* | - | - | - | 7 | 8 | 8 | 8 | 7 | 5 | 5 |
| KH8 = 32 | 7 | 7 | 5 | 1 | 5 | 4 | 1 | 3* | 7* | 5* | 1* | 4* | 5* | 4* | 2* | - | - | 2 | 8 | 7 | 8 | 8 | 8 | 7 |
| CN = 33 | 3 | - | - | - | - | - | - | - | - | 1 | 2* | 1* | 1* | - | - | 2 | 6 | 7 | 7 | 5 | 3 | 1 | 2 | 5 |
| SU = 34 | 2 | 1 | - | - | 2* | 1* | - | 1 | 6 | 2* | 2* | 2* | 1* | 1* | 1 | 4 | 4 | 5 | 4 | 1 | - | - | 2 | 4 |
| 6W = 35 | 6 | 2 | 1 | 6 | - | - | - | - | 1 | 7 | 5* | 1 | 1 | 2 | 2 | 5 | 8 | 8 | 8 | 7 | 3 | 1 | 1 | 7 |
| D2 = 36 | 6 | 2 | 7 | 4 | - | 1* | 3 | 2 | 8 | 8 | 6 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | 3* | 3* | 2* | - | - | - | 1* | 2* | 3* | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | 2* | 1* | 1 | 3 | 6 | 6 | 6 | 4 | 4 | - | - | - | - | - |
| FR = 39 | - | - | 1* | 1* | 1* | - | 2 | 1 | 5 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Nov., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| W6 = 03 | - | - | 2 | 3 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 5 | 6 | 6 | 5 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| XE1 = 06 | - | 3 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 4 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| P4 = 09 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 1 | 3 | 4 | 4 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 9 |
| CE = 12 | 2 | 3 | 4 | 4 | 4 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| G = 14 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 |
| I = 15 | 4 | 4 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UN = 17 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA9 = 18 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 1 | - | - |
| 4X = 20 | 2 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 3 | 2 |
| HZ = 21 | 3 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| VU = 22 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| SU = 34 | 3 | 2 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 2 | 3 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 6 | 5 |
| FJL = 40 | 4 | 4 | 3 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Nov., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | 1 | 1 | 4 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| W6 = 03 | - | 2 | 5 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W3 = 05 | 8 | 9 | 9 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| XE1 = 06 | 3 | 6 | 8 | 8 | 8 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TI = 07 | 6 | 7 | 8 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 |
| P4 = 09 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 |
| HC = 10 | 4 | 6 | 7 | 7 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ |
| CE = 12 | 5 | 6 | 7 | 7 | 7 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 8 |
| G = 14 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 |
| I = 15 | 7 | 7 | 7 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 |
| UN = 17 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| UA9 = 18 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | - | - | 1 | 4 | 1 | - |
| 4X = 20 | 5 | 5 | 5 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 6 | 5 |
| HZ = 21 | 6 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| VU = 22 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 2 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 4 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - |
| VK3 = 30 | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 9 | 9 |
| SU = 34 | 6 | 5 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 5 | 6 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 9 | 8 |
| FJL = 40 | 7 | 7 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Nov., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 5 | 5 | 7 | 7 | 7 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| TI = 07 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 7 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 6 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 6 | 7 | 7 | 7 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 7 | 6 | 5 |
| 4X = 20 | 8 | 8 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 8 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 7 | 7 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 6 | 6 | 7 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 | 4 | 1 |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 6 | 6 | 5 | 4 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | 1 | - | - |
| KH6 = 31 | - | - | - | 5 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Nov., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 4 | 5 | 7 |
| VO2 = 02 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| W9 = 04 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 |
| W3 = 05 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 5 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| VP2 = 08 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 8 | 6 | 2 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 9 | 7 | 6 | 5 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 3 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 | 9 |
| UA9 = 18 | 7 | 7 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 6 | 2 | 2 | 1 | 1 | - | 1 | 1* | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 7 | 6 |
| 4X = 20 | 9 | 9 | 8 | 7 | 5 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 7 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| JT = 23 | 7 | 7 | 6 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 | 8 | 8 | 7 |
| VR2 = 24 | 6 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 6 | 6 | 7 |
| JA1 = 25 | 2 | 1 | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 5 | 5 |
| HS = 26 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 7 | 7 | 5 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 1 | 1 |
| KH6 = 31 | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 3 | 2 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 7 | 7 | 5 | 1 | - | 5 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Nov., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 9 | 9 | 8 | 7 | 2 | 2* | 2* | 1 | - | 1 | 1 | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 9 | 9 | 6 | 5 | 5 | 8 | 8 | 7 | 4 | 2 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 7 | 1 | - | - | 1 | - | - | - | 2 | 2 | 1 | 2 | 5 | 8 | 9 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | - | 6 | 5 | 2 | 1 | - | - | 4 | 3 | 5 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 7 | 8 | 8 | 8 | 9 | 7 | 7 | 6 | 1 | 8 | 7 | 5 | 2 | 1 | 2 | 2 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | - | 6 | 4 | 1 | 1 | - | - | 1 | 2 | 3 | 4 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 2 | - | 1 | 7 | 5 | 1 | 1 | 1 | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | 1* | 9+ | 9 | 8 | 7 | 5 | 3 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | - | 6 | 9 | 8 | 7 | 5 | 3 | 4 | 5 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 7 | 5 | 8 | 7 | 5 | 3 | 1 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 9+ | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 8 | 8 | 6 | 4 | 2 | 1 | 1 | 3 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 4 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 8 | 9 | 9 | 7 | 2 | 5 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| I = 15 | 9+ | 9+ | 9+ | 9 | 2 | 1 | 7 | 9 | 8 | 6 | 4 | 2 | 1 | 2 | 3 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 6 | 7 | 7 | 5 | 4 | 7 | 8 | 8 | 7 | 5 | 2 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 8 | 8 | 6 | 4 | 5 |
| UN = 17 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 5 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 6 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 |
| UA9 = 18 | - | - | 4 | 8 | 8 | 5 | 7 | 6 | 5 | 3 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 7 | 5 | 2 |
| UA0 = 19 | 8 | 8 | 7 | 7 | 7 | 5 | 6 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | 4 | 5 | 5 | 3 | 2* | 1 | 7 |
| 4X = 20 | 9+ | 9+ | 9 | 6 | 4 | 7 | 6 | 8 | 7 | 5 | 3 | 2 | 2 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 7 | 5 | 8 | 7 | 8 | 7 | 4 | 3 | 3 | 1 | 1 | 3 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 6 | 2 | 8 | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 1 | - | - | 2 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 4 | 8 | 9 | 7 | 7 | 5 | 5 | 5 | 7 | 3 | 1 | - | - | 1 | 1 | 1 | 3 | 4 | 5 | 6 | 7 | 6 | 2 | 1 |
| VR2 = 24 | 8 | 8 | 7 | 3 | 2 | - | 1* | 2* | 3* | 3* | 1* | - | - | 1 | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 8 | 1 | 6 |
| JA1 = 25 | 7 | 7 | 5 | 4 | 4 | 3 | 5 | 6* | 6* | 5* | 2* | 1* | - | - | - | 1 | 4 | 6 | 7 | 6 | 3 | 4 | 8 | 8 |
| HS = 26 | 9 | 9 | 8 | 6 | 4 | 1 | - | 1 | 1* | 1 | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| DU = 27 | 8 | 8 | 5 | 1 | - | - | 1* | 3* | 9 | 4* | 2* | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 8 | 5 | 8 |
| YB = 28 | 9 | 8 | 8 | 4 | 1 | - | - | - | 2* | 1* | 1* | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 9 | 8 | 7 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1* | - | 1 | 1 | 2 | 4 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 6 | 5 | 4 | 3 | 2 | 2 | 3 | 5 | 7 | 2 | 1 | - | - | - | - | 2 | 3 | 4 | 5 | 6 | 8 | 8 | 8 | 7 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 2 | - | - | - | 1* | - | 1 | 8 | 6* | 4* | 1 | 1 | 3 |
| KH8 = 32 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | 1* | 5* | 5* | 7 | 6* | 5* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 2 | 9+ | 9 | 8 | 6 | 5 | 3 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 8 | 4 | 6 | 9 | 9 | 8 | 5 | 4 | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 3 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 8 | 6 | 1 | 1 | 7 | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 9 | 8 | 8 | 7 | 6 | 4 | 2 | 1 | 1 | 1 | 4 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ |
| FJL = 40 | - | - | 1* | 1* | 1* | 1* | 2* | 5 | 8 | 6 | 4 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 5 | 2 | 1 | - | 1 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Nov., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 4 | 1* | 1* | 2* | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 2 | - | 1 | 2 | 5 | 5 | - | - | - | - | 8 | 8 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 7 |
| W6 = 03 | 9 | 9 | 7 | 3 | 1 | 1* | 1 | 2 | 4 | 2 | - | - | - | - | 4 | 3 | 8 | 5 | 6 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 3 | 3 | 1 | - | 1 | 7 | 6 | 5 | 5 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 |
| W3 = 05 | 5 | 2 | 1 | 1 | 3 | 5 | 2 | 1 | - | - | 1 | 8 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 |
| XE1 = 06 | 9 | 9 | 8 | 8 | 7 | 5 | 7 | 5 | 5 | 1 | - | - | 7 | 6 | 4 | 4 | 9 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9 | 9+ | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | 9 | 8 | 7 | 5 | 5 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | - | - | - | - | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9+ | 9 | 9 | 9 | 7 | 6 | 3 | 1* | 9 | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 4 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | 1 | 2 | 4 | - | - | - | 9+ | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 2 |
| I = 15 | 9+ | 9 | 9 | 4 | - | - | 5* | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | - | - | - | - | 5* | 3* | 5 | 9 | 9 | 8 | 8 | 7 | 5 | 6 | 7 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - |
| UN = 17 | 3 | 2 | 6 | 9 | 8 | 4 | 7 | 8 | 6 | 6 | 9 | 6 | 6 | 7 | 8 | 8 | 2 | 3 | 1 | 1 | 2 | 4 | 5 | 5 |
| UA9 = 18 | - | - | 1* | 5 | 7 | 2 | 5 | 8 | 7 | 7 | 7 | 6 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 7 | 9 | 8 | 8 | 7 | 4* | 5 | 8 | 8* | 7 | 6 | 2* | - | - | - | - | - | - | - | - | 1* | 3* | 2* | 1* |
| 4X = 20 | 9+ | 9 | 9 | 4* | 4* | 3* | 7 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 2 | 1 | 8 | 4 | 7 | 9 | 8 | 7 | 6 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1* | 1* | 5 | 9 | 8 | 5 | 7 | 6 | 6 | 8 | 5 | 4 | 5 | 4 | 6 | 9 | 8 | 9 | 9 | 4 | 5 | 5 | 6 | 2 |
| JT = 23 | 1* | 4 | 9 | 8 | 6 | 2 | 5 | 8 | 7 | 5 | 6 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 8 | 9 | 9 | 7 | 4 | 2 | 4 | 5* | 7* | 7 | 5 | 5* | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 2 | 2* | 2* |
| JA1 = 25 | 9 | 8 | 8 | 6 | 5 | 5* | 6* | 7 | 8* | 8* | 7* | 5* | 4* | 2* | 1* | 2* | 1* | - | 1 | - | 4* | 3* | 3 | 9 |
| HS = 26 | 7 | 9 | 9 | 8 | 5 | 4 | 5 | 4 | 8 | 8 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| DU = 27 | 9 | 9 | 8 | 6 | 4 | 4* | 4 | 5 | 7* | 7* | 6* | 5* | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 2* | 2* | 8 |
| YB = 28 | 9 | 9 | 8 | 6 | 2 | 2 | 3 | 3 | 8 | 8 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 |
| VK6 = 29 | 8 | 8 | 7 | 6 | 4 | 3 | 5 | 7 | 7 | 8 | 5 | 4 | 5 | 5 | 4 | 2 | 4 | 4* | 4* | 4* | 3* | 2* | 2* | 5 |
| VK3 = 30 | 8 | 8 | 6 | 5 | 4 | 3 | 6 | 7 | 6 | 6 | 6 | 5 | 4 | 2 | 1 | 2* | 3* | 4* | 5* | 5* | 5 | 8 | 8 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 6 | 5* | 4* | 3* | 2* | 2* | 3* | 1* | 6 | 6 | 6* | 8* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 5* | 5* | 4 | 5 | 8* | 8* | 7* | 7* | 5* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 5 | - | - | - | 9+ | 9 | 9 | 8 | 8 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 2* | 4* | 2* | 6 | 9+ | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 5* | 4* | 5 | 9 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 5 | 1 | - | 5* | 3* | 2* | 8 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| FR = 39 | 8 | 6 | 5 | 8 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | - | 1* | 2* | 2* | 3* | 2* | 4* | 5* | 6 | 8 | 7 | 7 | 5 | 4 | 5 | 8 | 7 | 1 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Nov., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 2 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5* | 2 |
| W6 = 03 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 4* | - | - | - | - | 1 | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 6 |
| XE1 = 06 | 9 | 4 | 3 | 1 | 1 | - | 2 | - | 1 | - | - | - | 8 | 8 | 8 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9 | 7 | 2 | 2 | - | - | - | - | 9+ | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 4* | 2* | - | 3 | 8 | 9 | 8 | 9 | 8 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 4 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 6 | 7 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 5 | 5 | 6 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 3 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 8 | 5 | 1 | - | - |
| I = 15 | 6 | 5 | 4 | - | - | - | 2* | 4* | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| UA3 = 16 | - | - | - | - | 1* | 3* | 2* | 5 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 8 | 1 | 1 | - | - | - | - | - |
| UN = 17 | 1* | 2* | 3* | 7 | 6 | 2* | 6 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 2 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 2* | 2* | 2* | 2* | 4 | 2* | 2 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 8 | 8 | 8 | 5 | 3* | 4* | 8 | 8 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | 5* | 4* | 3* |
| 4X = 20 | 9+ | 9 | 5 | 1* | 6* | 3* | 2 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 |
| HZ = 21 | 8 | 6 | 2* | 4* | 4 | 2* | 5 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| VU = 22 | 2* | 2* | 4* | 9 | 7 | 2 | 6 | 8 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 8 | 1 | - | - | - | - | - |
| JT = 23 | 2* | 2* | 6 | 8 | 4 | 2* | 3* | 7 | 8 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 8 | 9 | 8 | 7 | 2 | 2* | 4 | 5 | 7* | 8* | 6* | 5 | 6 | 6 | 8 | 8 | 8 | 8 | 6 | 5 | 4 | - | 2* | 4* |
| JA1 = 25 | 9 | 7 | 7 | 6 | 4* | 5* | 4* | 7 | 8 | 8* | 7* | 5* | 4* | 3* | 1* | - | - | - | - | - | 1* | 5* | 4* | 7 |
| HS = 26 | 4 | 9 | 9 | 6 | 2 | 2 | 5 | 7 | 6 | 6 | 6 | 6 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 4* |
| DU = 27 | 9 | 9 | 8 | 6 | 3* | 3* | 5 | 5 | 6* | 8* | 7* | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | - | 4* | 5 |
| YB = 28 | 9 | 9 | 5 | 3 | 1* | 1 | 4 | 6 | 5 | 6* | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 8 |
| VK6 = 29 | 5* | 5 | 2* | 2 | 2* | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2* | 2* | 3* | 4* | 4* | 2* | 1* | - | 2* | 5* | 5* |
| VK3 = 30 | 7 | 6 | 3 | 3* | 3* | 1 | 4 | 7 | 6 | 6 | 5 | 5* | 4* | 2* | 2* | 3* | 4* | 3* | 2* | 4* | 5* | 6* | 6 | 7 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 8 | 7 | 2* | 4* | 5* | 5* | 5* | 4* | 2* | 2* | 1* | - | 5 | 6 | 6 | 8* | 8* | 7 | 7 | 7 |
| KH8 = 32 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 5* | 5* | 4* | 5 | 5 | 6 | 8* | 8* | 7* | 6 | 6 |
| CN = 33 | 9+ | 8 | 7 | 7 | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 7 | - | 5* | 3* | 2* | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 5 | 5* | 4* | 3* | 7 | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | 2* | 4* | 1* | 3 | 3 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 4 |
| FR = 39 | 3 | 2* | 3* | 4 | 2* | 5 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 |
| FJL = 40 | - | - | 2* | 2* | 2* | 1* | 2* | 4* | - | 7 | 8 | 7 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Nov., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7* | 6 | 6 | 4 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5* | 1* | - |
| W6 = 03 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| W3 = 05 | 1* | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5* |
| XE1 = 06 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 9 |
| TI = 07 | 8 | 4 | 5 | 3 | 5 | 2 | - | - | - | - | - | - | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| VP2 = 08 | 6 | 6 | 5 | - | - | - | - | - | - | - | 9 | 9+ | 9 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 6* | 3 |
| P4 = 09 | 4 | 5 | 3 | 1 | 2 | - | - | - | - | - | - | 9 | 6 | 5 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 5* | 5* |
| HC = 10 | 8 | 8 | 8 | 7 | 6 | 4 | 2* | 2* | - | - | - | 8 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 7 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9 | 8 | 7 | 5 | 1 | 1 | 1 | - | 6 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9 | 9 | 8 | 4 | 5 | 2 | - | 1* | 1 | 1 | 7 | 6 | 4 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 1 | 5 | 2 | - | - | - | - |
| I = 15 | 1 | - | - | - | - | - | - | 1* | 8 | 9 | 6 | 5 | 4 | 3 | 4 | 9 | 9 | 9+ | 9 | 9 | 8 | 6 | 5 | 2 |
| UA3 = 16 | - | - | - | - | - | 1* | 1* | 1* | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - |
| UN = 17 | - | 4* | 3* | 3* | 2 | 1* | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | 3* | 5* | 2* | 2* | 1 | 1* | - | 4 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 3* | 5 | 6 | 1 | - | - | 4* | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1* | 5* | 4* |
| 4X = 20 | 8 | 4 | - | - | 5* | 2* | 1* | 3 | 9 | 6 | 1 | 1 | 3 | 3 | 5 | 8 | 9 | 9+ | 9 | 6 | 4 | 5 | 8 | 9 |
| HZ = 21 | 4 | 2 | - | 6* | 3* | 1* | 1 | 8 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| VU = 22 | - | 5* | 4* | 8 | 2 | 1* | 5 | 7 | 8 | 6 | 4 | 6 | 8 | 8 | 9 | 9 | 7 | 1 | - | - | - | - | - | - |
| JT = 23 | 4* | 4* | 3* | 6 | 2* | 1* | 1* | 2 | 7 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 3* |
| VR2 = 24 | 5* | 9 | 8 | 5 | 3* | 2* | 3 | 5 | 6 | 8* | 7* | 6 | 7 | 8 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | 2* | 5* |
| JA1 = 25 | 8 | 4* | 4* | 4 | 2* | 1* | 1* | 2* | 7 | 8* | 6* | 5* | 3* | - | - | - | - | - | - | - | - | 7* | 5* | 5* |
| HS = 26 | 5* | 8 | 7 | 4 | 3* | 1 | 5 | 6 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | - | 4* |
| DU = 27 | 8 | 8 | 6 | 4 | 4* | 3* | 4 | 6 | 7 | 8* | 7* | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 3 | 2 | - | - | 5* | 6* |
| YB = 28 | 8 | 5 | 3* | 1 | 1* | - | 2 | 3 | 4 | 5* | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 1 | 2* | 5 |
| VK6 = 29 | 6* | 5* | 4* | 2* | 1* | - | 2 | 1 | - | 6* | 6* | 5* | 4* | 3* | 3* | 3* | 2* | 1* | - | - | - | - | 2* | 5* |
| VK3 = 30 | 5* | 4* | 2* | 3* | 2* | - | - | 2 | 3 | 6* | 5* | 5* | 4* | 3* | 2* | 2* | 1* | - | - | - | 3* | 5* | 6* | 5 |
| KH6 = 31 | 7 | 6 | 6 | 6 | 5 | 3 | 1* | 3* | 5* | 5* | 5* | 3* | 2* | 1* | - | - | - | 7 | 8 | 8 | 8* | 7 | 6 | 6 |
| KH8 = 32 | 7 | 8 | 8 | 7 | 7 | 7 | 6 | 6 | 8* | 9 | 8 | 7* | 6* | 5* | 3* | 1* | 2 | 6 | 7 | 8* | 7 | 7 | 7 | 7 |
| CN = 33 | 6 | 2 | - | 2 | - | - | - | - | - | - | 8 | 7 | 6 | 5 | 2 | 3 | 7 | 9+ | 9+ | 9+ | 8 | 8 | 7 | 6 | 7 |
| SU = 34 | 7 | 7 | 2 | - | 2* | 2* | 1* | 1 | 9 | 5 | 1 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 8 | 5 | 2 | 4 | 7 | 8 |
| 6W = 35 | 8 | 6 | 6 | 9 | 8 | - | - | - | 2 | 9 | 9 | 9 | 8 | 8 | 7 | 9 | 9+ | 9+ | 9 | 8 | 6 | 3 | 2 | 8 |
| D2 = 36 | 9+ | 9 | 9 | 7 | 2 | 2 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 5 | 1 | 1 | 5* | 4* | 2* | 2 | 2 | 3 | 1* | 1 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| ZS6 = 38 | - | - | - | - | 2* | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 6 | 2 | 1 | 1 | - |
| FR = 39 | - | - | 2* | 1* | 3* | 1 | 5 | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - |
| FJL = 40 | - | - | - | 1* | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Nov., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 4* | 3* | 2* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 8 | 6 | 5 | 5* | 3 | 1* | - | - |
| W6 = 03 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 3 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 3 | 2* |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 4 | 4* | 5 |
| TI = 07 | 5 | - | - | - | 2 | - | - | - | - | - | - | - | 6 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 8 | 7 | 5* | 4* |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9 | - | 1* | 1* | 1* | 4 | 7 | 9 | 8 | 6 | 7* | 4* | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 9 | - | 1* | 1* | 1* | 3 | 6 | 7 | 7 | 5 | 6* | 6* | 3* |
| HC = 10 | 5 | 5 | 4 | 2 | 4 | 1 | 1* | - | - | - | - | 5 | 1 | 1 | 2* | 3 | 5 | 7 | 8 | 9 | 8 | 6 | 5* | 5* |
| PY1 = 11 | 9+ | 9+ | 9 | 9 | 9 | 7 | 2 | 2 | 1 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5 | 5 | 5 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 8 | 6 | 2 | 2 | 1 | - | - | - | - | - | 1 | - | - | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| LU = 13 | 7 | 5 | 1 | 1* | 1 | - | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 3 | - | 1 | 1 | - | 9 | 9 | 1 | 1 | 6 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 4* | 3* | 2* | 1* | - | - | 2 | 6 | 9+ | 9 | 6 | 3 | 2 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - |
| UN = 17 | - | 3* | 3* | 1* | 1* | - | - | - | 6 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 5* | 2* | 1* | - | - | - | - | 7 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 2* | 1* | 3 | - | - | - | - | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* |
| 4X = 20 | 2 | - | - | - | 1* | 1* | - | - | 1 | 1* | 3* | 2* | 2* | - | - | 2 | 5 | 5 | 2 | - | - | - | 1 | 5 |
| HZ = 21 | - | - | - | 5* | 2* | 1* | - | 3 | 7 | 4 | 2 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 5 | 2 |
| VU = 22 | - | 4* | 4* | 5 | 2* | 1* | 2 | 2 | 5 | 1 | 3* | 4* | 5 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - |
| JT = 23 | 5* | 4* | 2* | 3 | 1* | 1* | 1* | 1* | 4 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 8 | 5* | 3* | 2* | 1* | 1 | 1 | 3 | 4* | 5* | 6* | 8 | 8 | 6 | 6 | 5 | 1 | - | - | - | - | - | 6* |
| JA1 = 25 | 5* | 4* | 2* | 1 | - | - | - | - | 2 | 6* | 6* | 3* | - | - | - | - | - | - | - | - | - | 4* | 5* | 5* |
| HS = 26 | 5* | 5 | 5* | 4* | 2* | 1* | 2 | 1 | 6 | 4 | 6 | 8 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | 2* |
| DU = 27 | 8 | 6 | 5* | 4* | 3* | 2* | 2 | 2 | 4 | 3* | 6* | 6 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | 4* | 6* |
| YB = 28 | 5 | 2* | 1* | - | - | - | 1 | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | - | - | - | 1 |
| VK6 = 29 | 2* | 4* | 2* | 1* | - | - | - | - | - | 4* | 5* | 4* | 2* | 2* | 1* | 1* | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | 4* | 4* | 2* | 2* | 1* | - | - | - | - | 5* | 4* | 3* | 2* | 2* | 1* | - | - | - | - | - | - | 2* | 4* | 4* |
| KH6 = 31 | 4 | 2 | 2 | 1 | 1 | - | - | - | 2* | 2* | 4* | 2* | 1* | - | - | - | - | 7 | 8 | 8 | 7 | 5 | 4* | 2* |
| KH8 = 32 | 7 | 6 | 5 | 3 | 5 | 4 | 2 | 2 | 6* | 5 | 5 | 6* | 5* | 3* | 1* | - | - | 5 | 7 | 7 | 8 | 7 | 7 | 7 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | 2* | 2* | 1* | - | 1* | 2 | 6 | 6 | 4 | 1 | - | - | - | 1 |
| SU = 34 | 1 | 1 | - | - | - | 1* | - | - | 1 | 1* | 2* | 2* | 2* | - | - | 1 | 4 | 4 | 1 | - | - | - | - | 3 |
| 6W = 35 | 1 | - | - | 7 | 3 | - | - | - | - | 2* | 4* | 5 | 7 | 6 | 5 | 5 | 7 | 7 | 6 | 1 | - | - | - | 1 |
| D2 = 36 | 9 | 6 | 7 | 3 | - | 1* | 5 | - | 2 | 1 | 1 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 1* | 3* | 1* | - | - | - | 1* | 1* | 1* | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 8 | 2 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | 1* | 1* | 2 | 5 | 6 | 7 | 7 | 6 | 5 | 1 | - | - | - | - |
| FR = 39 | - | - | - | - | 1* | - | 2 | 1 | 2 | 2 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Dec., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 2 | 2 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 |
| W6 = 03 | - | 1 | 3 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 5 | 6 | 6 | 6 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 |
| XE1 = 06 | 1 | 3 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 4 | 5 | 5 | 5 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 6 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| P4 = 09 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 |
| CE = 12 | 2 | 3 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 4 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 4 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UN = 17 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| UA9 = 18 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | - | - | - | - |
| 4X = 20 | 3 | 4 | 2 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 4 | 4 |
| HZ = 21 | 5 | 3 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 4 |
| VU = 22 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 4 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 |
| SU = 34 | 4 | 4 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FR = 39 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 5 |
| FJL = 40 | 4 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Dec., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 5 | 5 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| W6 = 03 | 1 | 4 | 6 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| W3 = 05 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 |
| XE1 = 06 | 4 | 6 | 8 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TI = 07 | 6 | 7 | 8 | 8 | 8 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| VP2 = 08 | 9 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| P4 = 09 | 7 | 8 | 8 | 8 | 8 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| CE = 12 | 5 | 6 | 7 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| G = 14 | 7 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 7 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 |
| UN = 17 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 |
| UA9 = 18 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 5 | 1 | 3 | 2 | 1 |
| 4X = 20 | 6 | 7 | 5 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 7 |
| HZ = 21 | 8 | 6 | 6 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 7 |
| VU = 22 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 7 | 7 |
| JT = 23 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 3 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 1 | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 5 | 4 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 |
| SU = 34 | 7 | 7 | 6 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FR = 39 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 8 | 8 |
| FJL = 40 | 7 | 7 | 7 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Dec., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 7 | 7 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 5 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 9 |
| W6 = 03 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W9 = 04 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 |
| XE1 = 06 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| TI = 07 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 7 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 5 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 6 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 5 | 6 | 7 | 7 |
| UA0 = 19 | 5 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 7 |
| 4X = 20 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 6 | 6 | 7 | 7 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 6 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 7 | 5 | 3 |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 6 | 4 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 7 | 7 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| KH6 = 31 | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 1 | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Dec., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 8 | 7 | 8 | 8 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 7 | 7 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 6 | 4 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 |
| W3 = 05 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 8 | 6 | 2 | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 3 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 3 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 7 | 4 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 8 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 7 | 7 | 6 | 4 | 2 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 7 |
| UA0 = 19 | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 4 | 5 |
| 4X = 20 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 7 | 6 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 4 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| JT = 23 | 7 | 7 | 7 | 5 | 4 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 7 | 6 |
| JA1 = 25 | 3 | 2 | 1 | 1 | 1 | - | 1 | 6 | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 6 | 6 |
| HS = 26 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 7 | 6 | 5 |
| YB = 28 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 7 | 7 | 7 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 5 | 1 | 1 | - |
| KH6 = 31 | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 9 | 4 | 5 | 8 | 6 | 4 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 8 | 6 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 6 | 4 | 2 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 7 | 7 | 6 | 3 | - | - | - | 2 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 5 | 5 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Dec., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 9 | 9 | 8 | 5 | 2 | 2* | - | 1 | 1 | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 8 | 8 | 7 | 7 | 8 | 8 | 4 | 6 | 2 | 2 | 8 | 7 | 5 | 2 | 2 | 3 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 8 | 7 | 2 | - | - | - | - | - | 1 | 3 | 2 | 4 | 5 | 7 | 8 | 9 |
| W9 = 04 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 1 | 5 | 5 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 8 | 7 | 6 | 7 | 8 | 7 | 5 | 6 | 2 | 5 | 7 | 5 | 2 | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | - | 5 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | 2 | 7 | 4 | 2 | 2 | 1 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | 1* | 7 | 9 | 8 | 6 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | 1* | 2 | 9 | 8 | 6 | 5 | 3 | 3 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | - | 6 | 7 | 5 | 2 | 1 | 2 | 2 | 3 | 6 | 7 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 7 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 2 | 2 | 1 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 4 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 8 | 7 | 8 | 8 | 5 | - | - | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 4 | 5 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| I = 15 | 9+ | 9+ | 9+ | 8 | - | - | 4 | 9 | 9 | 7 | 5 | 2 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 6 | 7 | 6 | 5 | 3 | 6 | 7 | 9 | 8 | 5 | 2 | 1 | 1 | 2 | 3 | 6 | 8 | 9 | 8 | 8 | 7 | 5 | 4 | 5 |
| UN = 17 | 8 | 6 | 7 | 9 | 9 | 7 | 7 | 5 | 4 | 1 | 1 | - | - | 1 | 3 | 6 | 7 | 7 | 6 | 5 | 5 | 8 | 8 | 9 |
| UA9 = 18 | 1 | - | - | 5 | 8 | 5 | 6 | 7 | 4 | 4 | 2 | 1 | 1 | 1 | 2 | - | - | - | 1 | 2 | 5 | 7 | 7 | 5 |
| UA0 = 19 | 5 | 8 | 6 | 7 | 7 | 5 | 6 | 6 | 6* | 5 | 2 | - | - | - | - | - | - | 2 | 4 | 3 | 1 | 2* | 2* | 2* |
| 4X = 20 | 9+ | 9 | 7 | 2 | 1* | 6 | 9 | 9 | 8 | 6 | 3 | 2 | 2 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 6 | 2 | 8 | 7 | 8 | 7 | 5 | 2 | 3 | 2 | 1 | 3 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 4 | - | 5 | 9 | 8 | 6 | 5 | 2 | 2 | 1 | - | - | 1 | 1 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| JT = 23 | 1* | 4 | 8 | 8 | 8 | 5 | 6 | 6 | 4 | 3* | 1 | - | 1 | 1 | - | - | - | - | 1 | 3 | 6 | 6 | 4 | 1 |
| VR2 = 24 | 8 | 8 | 6 | 6 | 3 | 1 | 1 | 2* | 8 | 2* | 1* | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 8 | 2 | 5 |
| JA1 = 25 | 8 | 6 | 5 | 6 | 5 | 4* | 6* | 6* | 6* | 5* | 2* | - | - | - | - | - | - | 2 | 5 | 3 | 2* | 2* | 2* | 8 |
| HS = 26 | 8 | 9 | 8 | 7 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| DU = 27 | 8 | 8 | 6 | 3 | - | - | 1* | 2* | 9 | 4* | 3* | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 8 | 7 | 3 | 8 |
| YB = 28 | 9 | 9 | 8 | 5 | 1 | - | - | - | 2* | 1* | 1* | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| VK6 = 29 | 9 | 8 | 7 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | - | 1 | 1 | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 8 |
| VK3 = 30 | 5 | 4 | 3 | 2 | 2 | 1 | 2 | 2 | 8 | 1 | 1 | 1 | 1 | 1 | - | 1 | 3 | 5 | 6 | 7 | 8 | 8 | 8 | 5 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 2 | 1 | - | - | - | 1* | - | 2 | 7 | 6* | 4* | 2 | 2 | 4 |
| KH8 = 32 | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 1 | - | - | 1* | 4* | 5* | 8 | 6* | 6* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 7 | - | - | 5 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 4 | 1* | 6 | 9 | 9 | 8 | 6 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 6 | 7 | 7 | 9 | 9 | 8 | 5 | 3 | 2 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 8 | 6 | 2 | 2 | 6 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 9 | 8 | 8 | 7 | 6 | 6 | 3 | 2 | 1 | 1 | 3 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | - | - | 1* | 2* | 1* | 2* | 3* | 2* | 2 | 8 | 5 | 3 | 1 | 1 | 2 | 6 | 6 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Dec., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 5 | 2* | 2* | 2* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 4 | 1 | - | 1 | 4 | 2 | - | - | - | - | 4 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 2 |
| W6 = 03 | 9 | 9 | 6 | 2 | 1 | - | - | - | 3 | 3 | - | - | - | - | 4 | 4 | 7 | 5 | 7 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 9 | 7 | 5 | 1 | 1 | 2 | 4 | 1 | 5 | 4 | - | - | 7 | 6 | 5 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| W3 = 05 | 5 | 2 | - | - | 1 | 5 | 1 | - | 1 | - | - | 8 | 8 | 6 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 |
| XE1 = 06 | 9 | 8 | 8 | 7 | 8 | 7 | 6 | 3 | 4 | 1 | - | - | 8 | 7 | 4 | 7 | 9 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ |
| TI = 07 | 9+ | 9 | 9 | 8 | 8 | 8 | 4 | 1 | 1* | - | - | 9 | 8 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 8 | 7 | - | - | - | - | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 9 | 8 | 6 | 1 | - | - | - | 9+ | 9 | 8 | 7 | 6 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 2* | 1* | 6 | 8 | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 6 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6 | 7 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | - | 1 | 2 | - | - | - | 1 | 9 | 9 | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 8 | 9 | 7 | 4 | 2 | 2 |
| I = 15 | 9+ | 9 | 7 | 1 | - | - | 1* | 6 | 9 | 9 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | - | - | - | - | - | 5* | 5* | 8 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 4 | 2 | 1 | - | - | - | - |
| UN = 17 | 2 | 1 | 2* | 7 | 8 | 5 | 6 | 8 | 7 | 5 | 9 | 6 | 6 | 7 | 8 | 6 | 2 | 1 | - | - | - | 1 | 5 | 5 |
| UA9 = 18 | 2* | 1* | 1* | 2* | 6 | 3* | 3 | 8 | 8 | 8 | 7 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | 7 | 8 | 8 | 5 | 5* | 5* | 8 | 9 | 7 | - | - | - | - | - | - | - | - | - | - | - | 4* | 3* | 2* |
| 4X = 20 | 9+ | 9+ | 7 | - | 5* | 3* | 4 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 1 | 3* | 5 | 3 | 6 | 8 | 8 | 7 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1* | 1* | 2* | 9 | 8 | 5 | 7 | 8 | 7 | 8 | 5 | 5 | 4 | 7 | 8 | 9 | 8 | 9 | 9 | 7 | 7 | 6 | 6 | 2 |
| JT = 23 | 2* | 1* | 4 | 8 | 6 | 3* | 4 | 8 | 7 | 5 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 8 | 9 | 8 | 7 | 4 | 2 | 4 | 4 | 6 | 6 | 5 | 5* | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 4 | 2* | 2* |
| JA1 = 25 | 9 | 7 | 6 | 6 | 5* | 6* | 7* | 7 | 8 | 7* | 7* | 5* | 4* | 2* | 1* | 1* | - | - | - | - | 1* | 4* | 3* | 2 |
| HS = 26 | 4 | 9 | 8 | 7 | 4 | 2 | 4 | 5 | 8 | 8 | 5 | 5 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 |
| DU = 27 | 9 | 8 | 8 | 6 | 3 | 3* | 4 | 6 | 7* | 7 | 5* | 5* | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 6 | 1* | 3* | 6 |
| YB = 28 | 9 | 9 | 7 | 5 | 1 | 1 | 2 | 4 | 8 | 8 | 5 | 4 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 |
| VK6 = 29 | 8 | 9 | 7 | 6 | 4 | 4 | 6 | 6 | 8 | 8 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 4* | 5* | 5* | 4* | 5* | 5* | 4* |
| VK3 = 30 | 8 | 8 | 6 | 5 | 4 | 3 | 5 | 6 | 7 | 7 | 6 | 5 | 3 | 1 | 1* | 2* | 5* | 5* | 5* | 6* | 6* | 7 | 8 | 8 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 3* | 5 | 5* | 4* | 2* | 2* | 1* | 2* | - | 3 | 5 | 6 | 8* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | 4* | 3 | 7 | 6* | 8* | 8* | 6* | 5* | 4 |
| CN = 33 | 9+ | 9 | 8 | 7 | - | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 8 | - | 5* | 3* | 4 | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9 | 9+ | 9 | 7 | 4 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 5 | 4* | 3* | 2* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 3 | - | - | 2* | 2* | 1* | 4 | 6 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| FR = 39 | 7 | 7 | 5 | 7 | 5 | 6 | 8 | 8 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | - | - | 1* | 2* | 4* | 4* | 4* | 1* | - | 5 | 8 | 8 | 5 | 6 | 7 | 3 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Dec., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 2* | 1* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9 | 8 | 7 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 6* | 4* | - |
| W6 = 03 | 9 | 6 | 1 | 1* | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 6 | 2 | - | - | - | - | - | - | 1 | - | - | - | 5 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 |
| W3 = 05 | 3* | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| XE1 = 06 | 7 | 1 | 2 | 2 | 2 | 1 | 1 | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 8 | 6 | 5 | 2 | 6 | 4 | 1* | - | - | - | - | 6 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 8 | 6 | 2 | 4 | 2 | - | - | - | - | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| P4 = 09 | 8 | 8 | 5 | 1 | 4 | 1 | - | - | - | - | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 8 | 7 | 7 | 5 | 1 | 5* | 1* | - | - | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 3 | 6* | 4* | 2* | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9 | 8 | 7 | 5 | 2 | 6* | 3* | 2* | 9 | 9 | 7 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 6 | 8 | 5 | 1 | - | - | - |
| I = 15 | 7 | 2 | 2 | - | - | - | - | 2* | 9+ | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| UA3 = 16 | - | - | - | - | - | 1* | 3* | 3* | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 5 | - | - | - | - | - | - | - |
| UN = 17 | - | 3* | 3* | 3* | 5 | 2* | 5 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 3* | 2* | 2* | 2* | 2* | 2* | 7 | 8 | 8 | 7 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 2* | 5 | 6 | 3* | 3* | 3* | 6* | 8 | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 5* | |
| 4X = 20 | 9 | 6 | 1 | - | 4* | 3* | 1* | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ |
| HZ = 21 | 8 | 5 | - | 5* | 3* | 2* | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | - | 3* | 3* | 8 | 6 | 1 | 4 | 7 | 7 | 6 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 5 | 1 | 1 | 1 | 1 | - |
| JT = 23 | 3* | 3* | 2* | 6 | 3 | 3* | 2* | 5 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 6 | 8 | 6 | 5 | 2* | 2* | 2 | 5 | 5 | 7* | 6* | 5 | 6 | 6 | 7 | 8 | 8 | 8 | 6 | 6 | 5 | - | 2* | 4* |
| JA1 = 25 | 7 | 3 | 4* | 4 | 5* | 5* | 5* | 4 | 5 | 8* | 6* | 5* | 4* | 2* | - | - | - | - | - | - | - | 5* | 5* | 4* |
| HS = 26 | 4* | 8 | 6 | 4 | 2* | 1* | 2 | 5 | 7 | 6 | 7 | 6 | 6 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 1 | 2* |
| DU = 27 | 9 | 8 | 5 | 4 | 2* | 2* | 3 | 5 | 5 | 7* | 6* | 5 | 6 | 6 | 7 | 8 | 9 | 8 | 6 | 5 | 1 | - | 4* | 4* |
| YB = 28 | 8 | 8 | 2 | 1 | - | - | 1 | 3 | 5 | 6 | 5 | 6 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 |
| VK6 = 29 | 5* | 6 | 2* | 2 | 1* | - | 2 | 3 | 4 | 5 | 4* | 4* | 3* | 2* | 2* | 3* | 5* | 5* | 2* | - | - | 1* | 5* | 5* |
| VK3 = 30 | 6 | 6 | 2 | 3 | 2 | 1 | 2 | 5 | 6 | 7* | 5 | 4* | 3* | 2* | 2* | 3* | 4* | 4* | 3* | 4* | 6* | 6* | 6* | 7 |
| KH6 = 31 | 8 | 8 | 7 | 6 | 7 | 3 | 1 | 3* | 4* | 5* | 4* | 3* | 2* | 1* | - | - | - | 6 | 7 | 8* | 7 | 7 | 7 | 7 |
| KH8 = 32 | 6 | 7 | 8 | 8 | 9 | 8 | 7 | 7 | 8* | 8 | 8 | 8 | 6 | 4 | 2 | 1 | 4 | 5 | 6 | 8* | 8* | 6* | 5 | 5 |
| CN = 33 | 8 | 5 | 1 | 1 | - | - | - | - | 3 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 7 | 8 | 9 |
| SU = 34 | 9 | 5 | 4 | - | 3* | 4* | 1* | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ |
| 6W = 35 | 9 | 8 | 6 | 9 | 8 | 1 | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ |
| D2 = 36 | 9+ | 9+ | 9 | 8 | 6 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 1 | - | - | 4* | 3* | 1* | 1 | 4 | 9 | 6 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 |
| ZS6 = 38 | - | - | - | 1* | 2* | 1* | - | - | 2 | 2 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 4 | 1 |
| FR = 39 | 1 | 2 | 2* | 2 | 1 | 2 | 6 | 8 | 9 | 8 | 9 | 9 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 |
| FJL = 40 | - | - | - | - | 1* | - | - | - | - | - | 5 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Dec., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 4 | 2* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6* | 6* | 3* | - | - |
| W6 = 03 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 |
| W9 = 04 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 5 | 5* |
| XE1 = 06 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 8 | 9 | 7 |
| TI = 07 | 3 | - | - | - | 1 | - | - | - | - | - | - | - | 9 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| VP2 = 08 | 1 | - | - | - | - | - | - | - | - | - | 4 | 8 | 6 | 5 | 4 | 5 | 6 | 9 | 9 | 9 | 8 | 6 | 6* | 1 |
| P4 = 09 | 1 | - | - | - | - | - | - | - | - | - | - | 9 | 5 | 4 | 4 | 4 | 5 | 7 | 9 | 9 | 8 | 6 | 6* | 5* |
| HC = 10 | 7 | 5 | 3 | 1 | 2 | 1 | - | - | - | - | - | 8 | 5 | 4 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 2 | - | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 7 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 8 | 8 | 6 | 2 | 4 | 1 | - | 1* | 1* | 1* | - | 1 | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| LU = 13 | 5 | 5 | 3 | 1* | 1 | - | - | 1* | 1* | 1* | 1* | 1* | 1* | 3 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 1 | 9 | 7 | 6 | 4 | 2 | 3 | 2 | 8 | 1 | - | - | - | - | - |
| I = 15 | 1 | - | - | - | - | - | - | - | 2 | 7 | 6 | 4 | 2 | 1 | 2 | 5 | 9 | 9+ | 9+ | 9 | 7 | 5 | 4 | 4 |
| UA3 = 16 | - | - | - | - | - | - | 1* | 1* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - |
| UN = 17 | - | 1* | 5* | 2* | 2* | 1* | 1 | 2 | 8 | 8 | 8 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 3* | 4* | 1* | 1* | 1* | 1* | 1* | 8 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 3* | 3* | 2 | 1* | 1* | 1* | 2* | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 3* | 6* |
| 4X = 20 | 3 | - | - | - | 1* | 2* | 1* | - | 8 | 5 | 2* | 4 | 4 | 5 | 5 | 7 | 9 | 9 | 9 | 8 | 5 | 5 | 6 | 7 |
| HZ = 21 | 5 | 1 | - | 3* | 2* | 1* | - | 5 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| VU = 22 | - | 4* | 3* | 4 | 2* | 1* | 2 | 4 | 8 | 7 | 4 | 6 | 8 | 8 | 9 | 8 | 7 | 2 | - | - | - | - | - | - |
| JT = 23 | 4* | 5* | 3* | 2 | 2* | 1* | 1* | 1* | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 6 | 4* | 2 | 2* | 1* | 1 | 1 | 5 | 4 | 5* | 6* | 7 | 8 | 8 | 8 | 7 | 5 | 2 | 1 | 1 | - | 1* | 5* |
| JA1 = 25 | 4* | 4* | 4* | 2* | 2* | 1* | 1* | 1* | - | 7* | 7* | 4* | 2* | - | - | - | - | - | - | - | - | 5* | 5* | 5* |
| HS = 26 | 5* | 5 | 4* | 1 | 1* | - | 1 | - | 8 | 6 | 6 | 7 | 8 | 8 | 7 | 7 | 8 | 8 | 7 | 6 | 5 | 1 | - | 2* |
| DU = 27 | 8 | 5 | 3* | 1 | 2* | 1* | 1 | 1 | 5 | 5 | 6* | 6 | 8 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | 4* | 5* |
| YB = 28 | 6 | 2* | - | - | - | - | - | - | 1 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 1 | - | 4 |
| VK6 = 29 | 5* | 4* | 1* | - | - | - | - | - | - | 3* | 5* | 5* | 4* | 3* | 3* | 4* | 3* | - | - | - | - | - | 1* | 5* |
| VK3 = 30 | 4* | 3* | 2* | 1 | - | - | - | - | 1 | 7* | 5* | 4* | 4* | 3* | 3* | 3* | 2* | 1* | - | - | - | 5* | 5* | 6* |
| KH6 = 31 | 5 | 2 | 1 | - | 2 | - | - | - | 4* | 4* | 5* | 2* | 1* | - | - | - | - | 6 | 8 | 8 | 8* | 7 | 6 | 5 |
| KH8 = 32 | 6 | 7 | 6 | 6 | 7 | 5 | 3 | 2 | 7* | 8* | 8 | 6 | 4* | 2* | - | - | - | 5 | 6 | 7 | 8* | 6 | 5 | 6 |
| CN = 33 | 1 | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 2 | 1 | 2 | 5 | 8 | 9+ | 8 | 5 | 1 | - | - | 3 |
| SU = 34 | 2 | - | - | - | - | 2* | 1* | - | 6 | 4 | 2* | 3 | 4 | 4 | 5 | 6 | 8 | 9 | 8 | 7 | 4 | 3 | 5 | 6 |
| 6W = 35 | 5 | 1 | - | 4 | 2 | - | - | - | 1 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 6 | 8 | 7 | 7 | 2 | 1 | 1 | 7 |
| D2 = 36 | 9 | 6 | 7 | 4 | - | - | 3 | - | 5 | 5 | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | - | 2* | 1* | - | - | - | - | 1* | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 6 | - |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | 1* | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - |
| FR = 39 | - | - | - | - | - | - | 2 | 1 | 5 | 6 | 7 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 5 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Dec., Ascension Island, for SSN = Medium, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* | 1* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 | 5 | 4 | 4* | 2* | - | - | - |
| W6 = 03 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 7 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 7 | 8 | 8 | 6 | 5 | 4 | 1 | 1* |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 4 | 4 | 5 | 9 | 8 | 8 | 8 | 4 | 8 | 2* |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 7 | 5 | 2 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 2* | 1 | 2 | 4 | 6 | 5 | 5* | 5* | 2* | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 9 | 1 | 1 | 1* | 1 | 1 | 3 | 5 | 5 | 5* | 6* | 5* | - |
| HC = 10 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 3 | 3 | 5 | 6 | 6 | 7 | 6 | 5 | 3 |
| PY1 = 11 | 9 | 8 | 8 | 4 | 6 | 4 | - | - | - | 1 | 5 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| CE = 12 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | 2* |
| G = 14 | - | - | - | - | - | - | - | - | - | 5 | 3 | 2 | 8 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 2* | 2* | 2* | 1* | - | - | - | 1 | 9 | 7 | 4 | 2 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 6 | 8 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | 2* | - | 1* | - | - | - | 3 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | 1* | - | - | - | - | - | 2 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5* |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | 1 | 1 | 1 | 2 | 5 | 5 | 5 | 1 | - | - | - | 1 |
| HZ = 21 | - | - | - | 1* | 2* | - | - | - | 5 | 4 | 1 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 8 | 7 | 6 | 6 | 5 | 4 |
| VU = 22 | - | 1* | 2* | 1 | 1* | - | - | - | 2 | 1 | 1* | 5 | 6 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - |
| JT = 23 | - | 5* | 1* | - | 1* | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 3* | 2* | 1* | - | 1* | - | - | - | - | - | 1* | 5* | 8 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | 5* |
| JA1 = 25 | 2* | 2* | 1* | - | 1* | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | 1* | 6* | 3* |
| HS = 26 | 4* | 2* | 1* | - | 1* | - | - | - | 2 | 1 | 2* | 7 | 6 | 5 | 2 | 4 | 3 | 3 | 1 | 2 | 1 | - | - | - |
| DU = 27 | 5 | 2* | 1* | - | 1* | - | - | - | - | - | 5* | 5 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | 3* | 6* |
| YB = 28 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | 1 |
| VK6 = 29 | 1* | 1* | - | - | - | - | - | - | - | - | 4* | 4* | 2* | 2* | 2* | 2* | - | - | - | - | - | - | - | - |
| VK3 = 30 | 4* | 3* | 1* | - | - | - | - | - | - | 4* | 3* | 3* | 3* | 3* | 2* | 1* | 1* | - | - | - | - | - | 1* | 2* |
| KH6 = 31 | 1 | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | 2 | 8 | 8 | 6* | 5 | 3 | 1 |
| KH8 = 32 | 4 | 5 | 2 | 1 | 5 | 2 | - | - | 4* | 3* | 5 | 2 | 1* | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 5 | 4 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 1* | 1* | 1* | 1* | 1 | 1 | - | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 2* | - | - | 1 | 1 | 1 | 4 | 5 | 4 | 1 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 2 | 4 | 2 | 5 | 5 | 5 | 3 | 2* | 4* | 2* | 1 | - | - | - | 1 |
| D2 = 36 | 4 | - | 2 | - | - | - | - | - | - | - | - | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 7 | 7 | 6 | 8 | 9 | 8 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 3 | 2 | 2 | 2 | 2 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 3 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jan., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 |
| W6 = 03 | - | - | 3 | 3 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 5 | 5 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| XE1 = 06 | 1 | 3 | 4 | 5 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 |
| CE = 12 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| G = 14 | 3 | 3 | 3 | 3 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 |
| I = 15 | 4 | 4 | 4 | 5 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 5 |
| UN = 17 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA9 = 18 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 3 | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| HZ = 21 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| VU = 22 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 5 |
| SU = 34 | 3 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | 4 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jan., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | 1 | 2 | 4 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| W6 = 03 | 1 | 3 | 6 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W3 = 05 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 |
| XE1 = 06 | 4 | 6 | 7 | 8 | 8 | 8 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TI = 07 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 |
| P4 = 09 | 7 | 7 | 8 | 8 | 8 | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ |
| CE = 12 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| G = 14 | 6 | 6 | 6 | 6 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 |
| I = 15 | 7 | 7 | 7 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 8 |
| UN = 17 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| UA9 = 18 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 6 | 3 | 1 | - |
| 4X = 20 | 6 | 6 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| HZ = 21 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| VU = 22 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 |
| JT = 23 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - |
| VK3 = 30 | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 |
| SU = 34 | 6 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 6 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 7 | 7 | 7 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jan., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 6 | 7 | 7 | 8 | 7 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 4 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| W6 = 03 | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 |
| XE1 = 06 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| HC = 10 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 | 7 | 8 | 8 |
| UA9 = 18 | 7 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 7 | 5 | 6 | 6 | 7 |
| UA0 = 19 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 5 | 7 | 7 | 6 |
| 4X = 20 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 8 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 7 | 7 | 7 | 7 |
| VR2 = 24 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 6 | 6 | 6 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 7 | 7 | 2 |
| HS = 26 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 7 | 6 | 5 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | 1 | - | - |
| KH6 = 31 | - | - | 1 | 5 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 9 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | - | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 1 | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jan., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 7 | 7 | 7 | 7 | 6 | 5 | 4 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 5 | 6 | 7 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | 7 | 4 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 4 | 7 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| W9 = 04 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 5 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 |
| W3 = 05 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 |
| TI = 07 | 9 | 9 | 8 | 9 | 9 | 8 | 7 | 6 | 6 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 2 | 8 | 6 | 2 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 3 | 7 | 6 | 2 | 1 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 5 | 1 | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | 8 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 3 | 3 | 8 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 5 | 6 | 7 | 6 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 6 | 3 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 6 | 6 | 6 |
| 4X = 20 | 8 | 8 | 7 | 5 | 2 | 7 | 4 | 4 | 1 | - | - | - | - | - | - | 1 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 5 | 4 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 5 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 7 | 6 | 4 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 6 | 5 | 4 |
| JA1 = 25 | 2 | 1 | - | - | - | - | 1 | 2* | 1* | 1* | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 6 | 6 | 6 |
| HS = 26 | 6 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 7 | 7 | 4 | 6 |
| YB = 28 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 1 | 1 |
| KH6 = 31 | - | 1 | 5 | 7 | 8 | 8 | 7 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 6 | 7 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 1 | - | 8 | 7 | 5 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 5 | 1 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9 | 9 | 8 | 5 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 5 | 5 | 7 | 7 | 5 | 1 | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | 5 | 6 | 8 | 7 | 5 | 3 | 1 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 7 | 7 | 5 | 3 | 2 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 8 | 8 |
| FJL = 40 | 6 | 6 | 4 | 1 | - | 1* | - | 2 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 5 | 5 | 6 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jan., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 7 | 3 | 1* | 1* | - | - | 1 | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 8 | 8 | 8 |
| VO2 = 02 | 6 | 7 | 5 | 5 | 5 | 5 | - | - | - | 1 | 6 | 7 | 5 | 3 | 3 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| W6 = 03 | 9 | 9 | 8 | 7 | 5 | 3 | 2 | - | - | 6 | 1 | - | - | - | 2 | 1 | 1 | 1 | 2 | 4 | 5 | 6 | 8 | 8 |
| W9 = 04 | 9 | 9 | 8 | 7 | 6 | 7 | 3 | - | - | 7 | - | 3 | 4 | 3 | 1 | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9 |
| W3 = 05 | 8 | 8 | 6 | 5 | 5 | 8 | 1 | - | 5 | - | 2 | 7 | 6 | 3 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | 1 | 8 | - | 4 | 5 | 2 | 2 | 2 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 8 | 4 | 1 | 3 | - | - | 8 | 5 | 3 | 2 | 2 | 2 | 4 | 5 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1* | 1* | 1* | - | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | 1* | 1* | - | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | - | 3 | 7 | 5 | 4 | 2 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 8 | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 | 5 | 8 | 9 | 8 | 5 | 4 | 3 | 2 | 3 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 6 | 9 | 9 | 8 | 8 | 7 | 5 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 7 | 7 | 8 | 8 | 6 | - | - | 1 | 9 | 8 | 6 | 3 | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| I = 15 | 9+ | 9 | 9 | 7 | 1 | - | 2* | 9 | 9 | 7 | 5 | 3 | 2 | 3 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 7 | 7 | 6 | 4 | 2* | 1 | 2* | 8 | 8 | 7 | 2 | 2 | 1 | 2 | 4 | 6 | 8 | 8 | 8 | 7 | 6 | 5 | 4 | 5 |
| UN = 17 | 8 | 6 | 6 | 8 | 8 | 3 | 5 | 5 | 3 | 1 | 1 | 1 | 1 | 2 | 4 | 6 | 7 | 6 | 5 | 5 | 6 | 8 | 8 | 8 |
| UA9 = 18 | - | 1* | 1* | 4 | 7 | 1 | 1 | 6 | 5 | 5 | 2 | 1 | 1 | 1 | 2 | - | - | - | - | 2 | 5 | 6 | 6 | 2 |
| UA0 = 19 | 6 | 9 | 7 | 7 | 6 | 2* | 4* | 7 | 6 | 5 | 2 | - | - | - | - | - | - | 3 | 5 | 5 | 4 | 2* | 2* | 2* |
| 4X = 20 | 9 | 9 | 6 | 1* | 1* | 1 | 3 | 8 | 7 | 6 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| HZ = 21 | 9 | 6 | 1 | 1* | 5 | 3 | 5 | 7 | 5 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | 2 | - | 2 | 9 | 7 | 3 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 5 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 6 |
| JT = 23 | 1* | 1 | 8 | 8 | 7 | 1 | 2 | 6 | 4 | 4 | 1 | 2 | 2 | 3 | - | - | - | - | 1 | 4 | 6 | 6 | 4 | 1* |
| VR2 = 24 | 8 | 8 | 8 | 5 | 1 | - | 1 | 1* | 2* | 4* | 2* | - | - | 1 | 1 | 3 | 8 | 8 | 8 | 8 | 9 | 7 | 1* | 1* |
| JA1 = 25 | 8 | 8 | 6 | 5 | 5 | 4* | 4* | 5 | 6* | 6* | 3* | 1* | - | - | - | - | 2 | 4 | 6 | 2 | 1 | 2* | 2 | 7 |
| HS = 26 | 4 | 9 | 8 | 5 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2 |
| DU = 27 | 8 | 8 | 6 | 2 | - | - | 1 | 1* | 8 | 5* | 2* | 1* | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 1 | 2* | 5 |
| YB = 28 | 9 | 8 | 7 | 5 | 1 | 1 | 1 | - | - | 2* | 1 | 1 | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 6 | 5 | 3 | 1 | 3 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 5 | 7 | 7 | 4 | 2* | 2* | 1 | 2 | 7 |
| VK3 = 30 | 6 | 5 | 4 | 3 | 2 | 1 | 2 | 5 | 8 | 2 | 2 | 1 | 1 | - | 1 | 2 | 3 | 4* | 4 | 6 | 8 | 8 | 8 | 7 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 8 | 5 | 2* | 3* | 5 | 3 | 2 | - | - | - | - | - | 2 | 7 | 6* | 5* | 2 | 1 | 4 |
| KH8 = 32 | 1 | 3 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | 1* | 1 | 1 | 7 | 7* | 6* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 8 | 8 | 3 | - | - | - | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9 | 7 | - | 2* | 1* | 3 | 9 | 8 | 6 | 4 | 4 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 6 | 4 | 1* | 1* | 1 | 7 | 9 | 8 | 7 | 4 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | 5 | - | 1 | 2* | 1* | 1* | 5 | 9 | 9 | 9 | 8 | 7 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| FR = 39 | 7 | 6 | 4 | 7 | 7 | 6 | 8 | 7 | 5 | 5 | 2 | 1 | 2 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | - | 1* | 1* | 1* | 1* | 1* | 2* | 4* | 2* | 8 | 5 | 3 | 2 | 2 | 2 | 6 | 6 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jan., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 3 | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 8 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 5 | 2* |
| W6 = 03 | 9 | 8 | 4 | 1 | - | - | - | - | - | 2 | - | - | - | - | 1 | 5 | 7 | 5 | 6 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 8 | 4 | 1 | - | - | 1 | - | - | - | 1 | - | - | 6 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 |
| W3 = 05 | 4 | 1 | - | - | - | 2 | - | - | - | - | - | 5 | 9 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 9 | 3 | 4 | 4 | 4 | 6 | - | - | - | 2 | - | - | 7 | 8 | 8 | 8 | 9 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9 | 6 | 6 | 6 | 7 | 4 | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 8 | 7 | 4 | 5 | - | - | - | - | - | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| P4 = 09 | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | 5 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 9+ | 9+ | 9 | 8 | 7 | 4 | 1* | - | - | - | - | 7 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ |
| CE = 12 | 9+ | 9 | 8 | 2 | 4 | 3 | 1 | 6* | 2* | 1* | 7 | 9 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 8 | 5 | 1* | 3 | 2 | - | 5* | 1* | 1* | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | 1 | 2 | - | - | - | - | 3 | 9 | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 2 | 7 | 5 | 2 | - | - |
| I = 15 | 5 | 4 | 3 | - | - | - | - | 2* | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 | 6 |
| UA3 = 16 | - | - | - | - | - | 2* | 1* | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 1 | 1 | - | - | - | - | - |
| UN = 17 | 2 | 2* | 1* | 5 | 6 | 1* | 2 | 7 | 6 | 6 | 8 | 7 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | 2 | 4 | 5 |
| UA9 = 18 | 2* | 1* | 1* | 1* | 3 | 1* | - | 1 | 8 | 8 | 7 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 7 | 6 | 6 | 3 | 1* | 1* | 3 | 8 | 7 | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 2* |
| 4X = 20 | 6 | 2 | - | - | 3* | 1* | - | 8 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 |
| HZ = 21 | 4 | 1 | - | 2* | 1* | 1* | 1 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 |
| VU = 22 | - | 2* | 2* | 7 | 4 | - | 2 | 7 | 6 | 8 | 9 | 5 | 5 | 7 | 8 | 9 | 9 | 8 | 2 | - | - | - | 1 | - |
| JT = 23 | 2* | 1* | 2* | 8 | 3 | 1* | 1* | 5 | 7 | 6 | 6 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5 | 8 | 4 | 3 | 1* | 1* | 1 | 5 | 4 | 7* | 7 | 5* | 5 | 6 | 7 | 8 | 8 | 7 | 5 | 5 | 6 | 1 | 1* | 2* |
| JA1 = 25 | 8 | 5 | 3 | 5 | 2* | 2* | 1* | 3 | 8 | 7* | 6* | 4* | 2* | - | - | - | - | - | - | - | - | 4* | 3* | 2* |
| HS = 26 | 2* | 8 | 2* | 2 | 1* | - | 2 | 5 | 7 | 8 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | 2* |
| DU = 27 | 9 | 7 | 3* | 2 | 1* | 1* | 2 | 5 | 6 | 7* | 7 | 6* | 5 | 6 | 7 | 8 | 8 | 8 | 3 | 4 | 1 | - | 3* | 3* |
| YB = 28 | 8 | 6 | 3* | 2 | - | - | 1 | 4 | 7 | 8 | 8 | 6 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 7 |
| VK6 = 29 | 4* | 5 | 2* | 3 | - | - | 1 | 5 | 8 | 7 | 7 | 5 | 5 | 5 | 5 | 4 | 4* | 4* | 1* | - | - | - | 2* | 4* |
| VK3 = 30 | 7 | 5 | 2 | 3 | 1 | 1 | 1 | 3 | 8 | 7 | 6 | 5 | 2 | 2* | 2* | 2* | 3* | 2* | 2* | 2* | 5* | 5 | 8 | 8 |
| KH6 = 31 | 7 | 8 | 8 | 7 | 8 | 5 | - | 3* | 4* | 4* | 4* | 2* | 1* | - | - | - | 1 | 5 | 5 | 7* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 5 | 6 | 6 | 5 | 7 | 7 | 6 | 6* | 7* | 9 | 8 | 8 | 6 | 2 | 1* | - | 1 | 5 | 5 | 7* | 8* | 7* | 5 | 5 |
| CN = 33 | 7 | 3 | - | 1 | - | - | - | - | 4 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| SU = 34 | 7 | 4 | 1 | - | 2* | 1* | - | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 6W = 35 | 9+ | 9 | 9 | 9 | 9 | 1 | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9 | 9 | 8 | 5 | 1 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 3* | 2* | - | 1 | 7 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 |
| ZS6 = 38 | - | - | - | 1* | 1* | - | - | - | 5 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 1 | - |
| FR = 39 | - | 1* | 3* | 1 | 1 | 1 | 5 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - |
| FJL = 40 | - | - | 1* | 1* | 1* | 1* | 1* | 2* | - | 4 | 8 | 8 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jan., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 7 | 5 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5* | 2* | - |
| W6 = 03 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 8 | 8 |
| W9 = 04 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | 1* | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 4 |
| XE1 = 06 | 3 | - | - | - | - | 1 | - | - | - | - | - | - | 1 | 8 | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 6 | - | 1 | 1 | 2 | - | - | - | - | - | - | 1 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 3 | 1 | - | - | - | - | - | - | - | - | 3 | 9+ | 7 | 5 | 4 | 5 | 8 | 9 | 9 | 9+ | 9 | 9 | 7 | 5 |
| P4 = 09 | 3 | 2 | - | - | - | - | - | - | - | - | - | 4 | 6 | 4 | 3 | 5 | 6 | 9 | 9 | 9+ | 9 | 9 | 8 | 5 |
| HC = 10 | 8 | 7 | 5 | 2 | 3 | 1 | - | - | - | - | - | 7 | 6 | 5 | 4 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 8 | 2 | 6 | 5 | 1 | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 9+ | 9+ | 9+ |
| CE = 12 | 7 | 4 | - | - | - | - | - | 2* | - | - | - | 5 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| LU = 13 | 3 | 1 | - | - | - | - | - | 1* | - | - | - | 5 | 2 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| G = 14 | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 1 | 5 | 2 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 5 | 3 | 1 | 3 | 9 | 9 | 9+ | 9 | 8 | 6 | 3 | 1 | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - |
| UN = 17 | - | 2* | 1* | - | 1 | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 2* | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 1 | 2 | 4 | - | - | - | 1* | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4* | 4* |
| 4X = 20 | - | - | - | - | 1* | 1* | - | - | 9 | 9 | 5 | 4 | 5 | 6 | 7 | 9 | 9 | 9+ | 9 | 9+ | 9 | 9 | 7 | 3 |
| HZ = 21 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 5 | 2 |
| VU = 22 | - | 2* | 1* | 3 | - | - | - | 2 | 7 | 8 | 5 | 5 | 8 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - |
| JT = 23 | 4* | 1* | - | 4 | - | - | - | - | 7 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 4* | 3 | 1* | - | - | - | - | 1 | 5 | 5 | 7* | 5 | 6 | 6 | 6 | 6 | 5 | 3 | 1 | 1 | 1 | - | - | 4* |
| JA1 = 25 | 5 | 1 | 1* | 2 | - | - | - | - | 5 | 7* | 2* | - | - | - | - | - | - | - | - | - | - | 3* | 4* | 3* |
| HS = 26 | 4* | 4 | 2* | - | - | - | - | 2 | 6 | 6 | 6 | 7 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | 1* |
| DU = 27 | 7 | 4* | 1* | - | - | - | - | 2 | 6 | 5 | 7* | 5 | 6 | 7 | 8 | 8 | 6 | 2 | - | - | - | - | 2* | 4* |
| YB = 28 | 5 | 2* | 1* | - | - | - | - | - | 4 | 3 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | 1 | - | 5* |
| VK6 = 29 | 4* | 2* | - | - | - | - | - | - | 1 | 1 | 5* | 4 | 2 | 2* | 2* | 2* | 1* | - | - | - | - | - | - | 5* |
| VK3 = 30 | 4 | 1 | - | 1 | - | - | - | - | 7 | 6 | 4* | 4* | 2* | 2* | 2* | 1* | 1* | - | - | - | 1* | 5* | 6* | 5 |
| KH6 = 31 | 6 | 4 | 2 | 1 | 5 | 1 | - | - | 5* | 5* | 2* | 1* | - | - | - | - | - | 6 | 7 | 7 | 7 | 6 | 6 | 6 |
| KH8 = 32 | 4 | 3 | 1 | 1* | 3 | 2 | 1 | 1 | 7* | 8* | 7 | 5 | 2 | 1* | - | - | - | 2 | 6 | 7 | 8* | 7* | 5 | 5 |
| CN = 33 | 1 | - | - | - | - | - | - | - | - | 7 | 9 | 6 | 2 | 1 | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 2 | 3 |
| SU = 34 | 1 | - | - | - | - | 1* | - | - | 9 | 9 | 4 | 4 | 5 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 |
| 6W = 35 | 8 | 5 | 3 | 8 | 5 | - | - | - | 2 | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 |
| D2 = 36 | 7 | 2 | 6 | 3 | - | - | 1 | - | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | - | 1* | - | - | - | 2 | 1 | - | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 1 | - |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - |
| FR = 39 | - | - | 1* | - | - | - | 1 | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 5 | - | - | - |
| FJL = 40 | - | - | - | 1* | - | - | - | - | - | - | 4 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jan., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3* | 1 | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 8 | 7 | 6 | 4* | 2* | 1* | - | - |
| W6 = 03 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 8 | 3 | 1 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 5 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 7 | 8 | 8 | 8 | 7 | 6 | 6 | 4 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | - | 4 | 5 | 9 | 9 | 9 | 9 | 7 | 5 | 6 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 7 | 5 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9 | 2 | 1 | 1 | 1 | 3 | 6 | 8 | 8 | 6 | 2 | 1* | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 9 | 2 | - | 1* | 1 | 1 | 5 | 6 | 7 | 6 | 3 | 1* | - |
| HC = 10 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 2 | 2 | 3 | 4 | 5 | 6 | 8 | 8 | 8 | 6 | 4 |
| PY1 = 11 | 7 | 4 | - | - | - | - | - | - | - | - | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 1 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 9+ | 9+ | 8 | 6 | 3* | 2* |
| G = 14 | - | - | - | - | - | - | - | - | - | 9 | - | 1 | 1 | - | - | 8 | 8 | 5 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 3 | 3* | 1* | 1* | - | - | - | 9 | 9 | 5 | 2 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 1 | 9 | 8 | 7 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 5 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* |
| 4X = 20 | - | - | - | - | - | - | - | - | 2 | 1 | 1* | 1 | 1 | 2 | 2 | 4 | 7 | 2 | 9 | 7 | 4 | 1 | 1 | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 7 | 7 | 2 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 5 | 1 | 1 | - | - |
| VU = 22 | - | 1* | - | - | - | - | - | - | 5 | 4 | 1* | 5 | 7 | 9 | 8 | 3 | 1 | - | - | - | - | - | - | - |
| JT = 23 | 1* | - | - | - | - | - | - | - | 3 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 1* | - | - | - | - | - | - | - | 1 | 1 | 1* | 4 | 7 | 5 | 2 | 2 | 1 | - | - | - | - | - | - | 4* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 1* |
| HS = 26 | 3* | 1* | - | - | - | - | - | - | - | 3 | 4 | 7 | 8 | 7 | 7 | 6 | 6 | 4 | 2 | 2 | - | - | - | - |
| DU = 27 | 4 | 1* | - | - | - | - | - | - | 1 | 1 | 2* | 5 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | 1* | 5* |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | 3* | 2* | 1* | 1* | 1* | 1* | - | - | - | - | - | - | - | - |
| VK3 = 30 | 1* | - | - | - | - | - | - | - | - | 4* | 2* | 2* | 1* | 1* | 1* | - | - | - | - | - | - | 1* | 2* | 3* |
| KH6 = 31 | 1 | - | - | - | - | - | - | - | 1* | 2* | - | - | - | - | - | - | - | 2 | 8 | 8 | 7 | 5 | 3 | 1 |
| KH8 = 32 | - | - | - | - | - | - | - | - | 6* | 5* | 4 | 2 | - | - | - | - | - | - | 4 | 7 | 7 | 6 | 4 | 1 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | 1 | 1* | 1* | - | - | - | 5 | 7 | 5 | 3 | 1 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | 1 | 1 | - | 1* | 1 | 1 | 2 | 4 | 6 | 7 | 5 | 9 | 7 | 5 | 2 | - |
| 6W = 35 | 2 | - | - | 2 | - | - | - | - | - | 5 | 7 | 2 | 6 | 6 | 6 | 3 | 3 | 5 | 4 | 6 | 4 | 1 | 1 | 4 |
| D2 = 36 | - | - | 1 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 7 | 6 | 6 | 5 | 6 | 6 | 1 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 3 | 5 | 5 | 4 | 3 | 2 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 2 | 1 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jan., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 5 | 3 | 1 | 2* | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 | 4 | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 5 | 1 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 3 | 5 | 5 | 3 | 1 | 2 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 2* | 6 | 5 | 5 | 7 | 1 | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 4* | 5 | 6 | 7 | 6 | 5 | 1 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | 3* | 3* | 2* | 3 | 3 | - | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 2* | 2* | 2* | 2* | 2 | 1* | - | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 2* | 4* | 2 | 4 | 5 | 5 | 4 | 2 | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 6 | 2 | 1* | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 6 | 2 | 1* | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 4 | 3 | 4 | 3 | - | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | 8 | 4 | 1 | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | 5 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 9 | 4 | 1 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 1 | 1 | - | 4 | 5 | 6 | 6 | 7 | 7 | 5 | 3 | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 2 | - | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 3 | 1 | 2 | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1* |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | 7 | 6 | 6 | 6 | 4 | 4 | 1 | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 1* |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 5 | 2 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 4 | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 3 | 1 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | 2* | 3* | 3* | 1* | - | - | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | - | - | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 4 | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 2 | 2* | 2* | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | 1 | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Feb., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | 1 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 4 | 5 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 6 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 2 | 3 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 2 | 4 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 |
| CE = 12 | 2 | 3 | 4 | 4 | 4 | 3 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| G = 14 | 4 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 4 | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 5 |
| UN = 17 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | - | - | - | - |
| 4X = 20 | 3 | 3 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 2 | 3 |
| HZ = 21 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| VU = 22 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| VK3 = 30 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 5 |
| SU = 34 | 3 | 3 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 4 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | 4 | 3 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Feb., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | 1 | 2 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| W6 = 03 | - | 1 | 4 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| XE1 = 06 | 2 | 5 | 6 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 5 | 7 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| P4 = 09 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ |
| CE = 12 | 5 | 6 | 7 | 7 | 7 | 6 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| G = 14 | 7 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 7 | 8 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 |
| UN = 17 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 |
| UA9 = 18 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 1 | 1 | 1 | - |
| 4X = 20 | 6 | 6 | 6 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 5 | 6 |
| HZ = 21 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 |
| VU = 22 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 2 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 1 | - |
| VK3 = 30 | - | - | - | - | 4 | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 8 |
| SU = 34 | 6 | 6 | 7 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 7 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 7 | 6 | 7 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Feb., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 |
| XE1 = 06 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 8 |
| UA3 = 16 | 9 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 8 | 7 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 6 | 7 | 7 | 5 |
| 4X = 20 | 8 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 8 | 8 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 7 |
| VR2 = 24 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 6 | 7 | 7 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 6 | 5 | 1 |
| HS = 26 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 6 | 7 | 5 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 1 | 1 | - |
| KH6 = 31 | - | - | - | 2 | 6 | 7 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 2 | 1 | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | 1 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 6 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Feb., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 4 | 5 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 6 | 6 | 4 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 |
| W9 = 04 | 8 | 9 | 8 | 8 | 8 | 9 | 8 | 7 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| W3 = 05 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | 8 | 6 | 2 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | 7 | 6 | 2 | 1 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 5 | 4 | 2 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 9 | 8 | 4 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 4 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 7 | 5 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 5 | 6 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| UA0 = 19 | 5 | 2 | 2 | 1 | 1 | 1 | 1 | 1* | 1* | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 7 | 6 | 6 | 6 |
| 4X = 20 | 9 | 9 | 8 | 8 | 2 | 1 | 4 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 5 | 6 | 4 | 3 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 5 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 7 | 8 |
| JT = 23 | 6 | 7 | 6 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 7 | 6 |
| VR2 = 24 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 6 | 5 | 4 |
| JA1 = 25 | 2 | - | - | - | - | - | 1* | 1* | 2* | 1* | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 7 | 6 | 4 |
| HS = 26 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 7 | 4 | 6 |
| YB = 28 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 7 | 6 |
| VK3 = 30 | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 5 | 1 |
| KH6 = 31 | - | 1 | 4 | 6 | 8 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 6 | 7 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9+ | 9 | 6 | 1 | 9 | 7 | 4 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 1 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 5 | 2 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 5 | 5 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 8 | 6 | 4 | 6 | 8 | 8 | 5 | 2 | 1 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 | 8 | 8 |
| FJL = 40 | 4 | 3 | 2 | - | 1* | 1* | 1 | 6 | 5 | 2 | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 6 | 5 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Feb., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 8 | 6 | 2 | 1* | 1* | 1* | - | - | - | - | - | - | - | - | 1 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 6 | 7 | 8 | 8 | 8 | 2 | 1 | - | 3 | 8 | 7 | 5 | 2 | 2 | 3 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 9 | 7 | 5 | 5 | 6 | 2 | 7 | 6 | 1 | - | - | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 7 | 9 |
| W9 = 04 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 3 | 8 | 7 | - | 4 | 5 | 2 | 1 | 1 | 2 | 5 | 4 | 6 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 8 | 6 | 7 | 7 | 8 | 6 | 1 | 5 | 1 | 5 | 7 | 5 | 2 | 2 | 2 | 3 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 8 | - | 1 | 5 | 2 | 1 | 1 | 1 | 1 | 2 | 4 | 6 | 7 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 4 | 5 | - | - | 8 | 6 | 3 | 2 | 2 | 4 | 2 | 4 | 6 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 5 | 1* | 1* | - | 9 | 9 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | - | 4 | 7 | 5 | 4 | 2 | 2 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 7 | 9+ | 9+ | 9+ | 9+ | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 8 | 7 | 6 | 4 | 2 | 2 | 3 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 7 | 7 | 9 | 9 | 8 | 2 | - | 7 | 9 | 8 | 6 | 2 | 1 | 1 | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 |
| I = 15 | 9+ | 9+ | 9 | 9 | 3 | - | 2* | 9 | 9 | 7 | 5 | 3 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 6 | 7 | 6 | 4 | 2* | 5 | 3 | 9 | 8 | 4 | 1 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 8 | 7 | 5 | 5 | 6 |
| UN = 17 | 8 | 7 | 7 | 8 | 8 | 3 | 4 | 4 | 2 | 3 | 1 | 1 | - | 2 | 2 | 5 | 8 | 8 | 6 | 6 | 6 | 8 | 8 | 8 |
| UA9 = 18 | - | - | 1* | 7 | 8 | 2 | 2 | 5 | 8 | 4 | 2 | 1 | 1 | 1 | 2 | 5 | - | 1 | - | - | 1 | 3 | 3 | 1 |
| UA0 = 19 | 8 | 8 | 8 | 7 | 7 | 3 | 2 | 6 | 6* | 5* | 2* | 1 | - | - | - | - | - | 1 | 2 | 2 | 1 | 3* | 2* | 4 |
| 4X = 20 | 9 | 9 | 9 | 1 | 1* | 1 | 2 | 8 | 7 | 6 | 4 | 3 | 3 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 9 | 6 | - | 5 | 1 | 4 | 7 | 5 | 2 | 3 | 2 | 4 | 5 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 5 | - | 3 | 9 | 7 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 8 |
| JT = 23 | 1* | 4 | 8 | 8 | 7 | 1 | 1 | 4 | 8 | 3 | 1 | 1 | 1 | 1 | 3 | 1 | 2 | 1 | 1 | 2 | 4 | 4 | 2 | 1* |
| VR2 = 24 | 8 | 7 | 6 | 5 | 1 | - | 1* | 1* | 2* | 3* | 2* | 1* | - | 1 | 1 | 3 | 8 | 9 | 9 | 8 | 9 | 7 | 1* | 1* |
| JA1 = 25 | 8 | 5 | 4 | 4 | 4 | 2* | 4* | 5* | 7* | 5* | 4* | 1* | - | - | - | - | 4 | 5 | 6 | 6 | 2 | 2* | 4 | 8 |
| HS = 26 | 4 | 9 | 8 | 6 | 2 | 1 | 2 | 1 | 1* | 1 | - | 1 | 1 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 4 |
| DU = 27 | 8 | 8 | 6 | 3 | - | - | 1* | 1* | 8 | 5* | 3* | 1* | - | - | 1 | 4 | 8 | 8 | 8 | 8 | 9 | 4 | 1* | 4 |
| YB = 28 | 9 | 8 | 6 | 5 | 1 | - | 1 | 1 | 1* | 1 | - | 1 | 1 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VK6 = 29 | 7 | 8 | 6 | 5 | 2 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 5 | 5 | 4 | 2 | 1* | 2* | 1* | 1* | 1* |
| VK3 = 30 | 7 | 5 | 4 | 4 | 2 | 1 | 4 | 6 | 7 | 5 | 3 | 2 | 1 | - | - | - | 1* | 3* | 3* | 3* | 5 | 8 | 8 | 8 |
| KH6 = 31 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 5 | 5 | 7 | 5 | 3 | - | - | - | - | - | 1 | 7 | 6* | 4* | 2 | 1 | 2 |
| KH8 = 32 | 1 | 3 | 6 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | 1* | 4* | 1 | 6 | 7 | 5* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 1* | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 9 | 9+ | 4 | 1* | 1* | 2 | 9 | 8 | 6 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 4 | 4 | 1* | 1* | 1* | 8 | 9 | 8 | 5 | 4 | 3 | 4 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 2 | - | - | 1* | 1* | 1* | 5 | 9 | 9 | 9 | 8 | 6 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| FR = 39 | 7 | 6 | 4 | 6 | 6 | 6 | 8 | 7 | 5 | 3 | 3 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | 1* | 1* | 1* | 1* | 1* | 1* | 2* | 2* | 7 | 8 | 5 | 3 | 2 | 1 | 2 | 4 | 7 | 6 | - | 1 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Feb., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 5 | 1 | 1 | 1 | 3 | 2 | - | - | - | - | 2 | 8 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 |
| W6 = 03 | 9 | 9 | 7 | 2 | - | - | 1 | - | 2 | 2 | - | - | - | - | 3 | 5 | 8 | 5 | 6 | 7 | 7 | 8 | 9 | 9 |
| W9 = 04 | 9 | 7 | 3 | 1 | 1 | 1 | 2 | - | 4 | 2 | - | - | 6 | 7 | 5 | 7 | 9 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 6 | 2 | - | - | 1 | 3 | - | - | - | - | - | 7 | 9 | 7 | 8 | 7 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| XE1 = 06 | 9 | 8 | 6 | 5 | 4 | 5 | 5 | 1* | - | 4 | - | - | 6 | 8 | 6 | 4 | 9 | 5 | 6 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 8 | 8 | 8 | 3 | 1* | - | - | - | 2 | 9 | 8 | 7 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9 | 9 | 7 | 4 | 5 | - | - | - | - | 9+ | 9 | 8 | 7 | 7 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9 | 8 | 6 | - | - | - | - | 3 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 8 | 9 | 8 | 4 | 3* | 1* | - | - | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | - | 9 | 9+ | 9+ | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 8 | 6 | 5 | 3 | 5* | 2 | 1* | 9 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 8 | 2 | 4 | 3 | 1 | 4* | 2 | 2 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | - | 1 | 4 | 1 | - | - | - | 9 | 9 | 9 | 7 | 6 | 6 | 6 | 8 | 9 | 9 | 9 | 8 | 9 | 5 | 1 | 1 |
| I = 15 | 7 | 7 | 7 | 4 | - | - | 1* | 1 | 9+ | 9 | 8 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 8 |
| UA3 = 16 | - | - | - | - | 2* | 1* | 1* | 5 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - |
| UN = 17 | 3 | 2 | 2 | 7 | 7 | - | 1 | 7 | 6 | 5 | 8 | 6 | 6 | 7 | 8 | 8 | 7 | 3 | 1 | - | - | 2 | 4 | 4 |
| UA9 = 18 | 2* | 1* | 1* | - | 7 | 1* | - | 5 | 7 | 7 | 7 | 6 | 6 | 7 | 3 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4 | 8 | 8 | 7 | 7 | 1* | 1* | 6 | 7 | 6 | 6 | - | - | - | - | - | - | - | - | - | - | 2* | 4* | 2* |
| 4X = 20 | 9 | 9 | 6 | 1* | 2* | 1* | - | 9 | 8 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| HZ = 21 | 8 | 7 | 1 | 2* | 1* | 1* | - | 6 | 8 | 7 | 8 | 7 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | - | 1* | 2* | 8 | 5 | - | 1 | 7 | 6 | 8 | 8 | 5 | 5 | 7 | 8 | 9 | 9 | 8 | 5 | 1 | 2 | 2 | 3 | 1 |
| JT = 23 | 1* | 1* | 5 | 9 | 6 | 1* | 1* | 6 | 7 | 5 | 7 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 4 | 9 | 8 | 6 | 2* | 1* | 1 | 5 | 5 | 6 | 7 | 5* | 5 | 5 | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 2 | 1* | 2* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 4 | 2* | 1* | 5 | 6 | 8* | 7* | 5* | 3* | 1* | - | - | - | - | - | - | - | 3* | 3* | 6 |
| HS = 26 | 2* | 8 | 6 | 4 | 1* | 1* | 2 | 5 | 8 | 7 | 8 | 5 | 5 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 2* |
| DU = 27 | 9 | 8 | 5 | 4 | 2* | 2* | 2 | 6 | 5 | 6 | 7 | 6* | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | - | 2* | 3* |
| YB = 28 | 8 | 4* | 3* | 2* | 1* | - | 1 | 4 | 7 | 7 | 8 | 5* | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | 5 |
| VK6 = 29 | 2* | 3* | 2* | 2 | 1 | - | 2 | 6 | 7 | 6 | 7 | 5 | 5 | 5 | 2 | 2* | 3* | 2* | 1* | - | - | - | 2* | 2* |
| VK3 = 30 | 8 | 5 | 1 | 3 | 2* | 1* | 1 | 4 | 8 | 7 | 7 | 4 | 2* | 1* | 1* | 2* | 2* | 2* | - | 1* | 5* | 4* | 6 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 9 | 8 | 4 | 2* | 4* | 5 | 5* | 3* | 2* | 1* | 1* | - | 2 | 5 | 6 | 7* | 7* | 5 | 5 | 7 |
| KH8 = 32 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 9 | 8 | 7 | 4 | 4* | 4* | 4* | 1 | 4 | 5 | 8* | 8* | 7* | 6* | 5 |
| CN = 33 | 9+ | 9+ | 9 | 8 | 2 | - | - | - | 9+ | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9 | 8 | - | 3* | 1* | 1* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9 | 9 | 9 | 5 | 3* | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 5* | 3* | 1* | 2 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| ZS6 = 38 | - | - | - | - | 3* | 1* | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 1 | - |
| FR = 39 | - | 1 | 3* | 3* | 2* | 1 | 5 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - |
| FJL = 40 | - | 1* | 1* | 1* | 1* | - | 1* | - | 4* | 4 | 8 | 8 | 6 | 5 | 7 | 7 | 1 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Feb., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 6 | 7 | 5 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 5 | - |
| W6 = 03 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 8 | 7 | 8 | 8 | 9 | 9 |
| W9 = 04 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| XE1 = 06 | 9 | 2 | 1 | - | - | - | - | - | - | 1 | - | - | - | 8 | 8 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 6 | 5 | 4 | 3 | 4 | - | - | - | - | - | - | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 6 | 1 | 1 | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HC = 10 | 9+ | 8 | 9 | 8 | 7 | 5 | 1* | 1* | - | - | - | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 8 | 8 | 7 | 4 | 2 | - | 9+ | - | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| CE = 12 | 9+ | 9 | 6 | 1* | 1 | - | - | 2* | - | - | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 7 | 2* | 1* | - | - | - | 1* | - | - | 6 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 3 | 8 | 4 | - | - | - |
| I = 15 | 1 | 1 | 1 | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 7 | 4 | 2 |
| UA3 = 16 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 8 | 2 | 2 | - | - | - | - | - |
| UN = 17 | - | 4* | 1* | 3 | 4 | - | - | 4 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 1 | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 2* | - | - | 3 | - | - | - | 8 | 8 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 5 | 7 | 6 | 4 | - | - | 1 | 9 | 8 | - | - | - | - | - | - | - | - | - | - | - | - | 6* | 3* |
| 4X = 20 | 6 | 4 | 1 | - | 1* | - | - | - | 9 | 9 | 8 | 5 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 |
| HZ = 21 | 5 | 3 | - | 1* | 1* | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 |
| VU = 22 | - | 4* | 2* | 5 | 1 | - | - | 4 | 7 | 6 | 6 | 5 | 8 | 8 | 8 | 9 | 8 | 2 | - | - | - | - | - | - |
| JT = 23 | 4* | 2* | 1* | 8 | 2 | - | - | - | 7 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5* | 8 | 5 | 3 | 1* | 1* | - | 4 | 5 | 5 | 6* | 5 | 6 | 6 | 7 | 7 | 7 | 5 | 2 | 2 | 2 | - | - | 4* |
| JA1 = 25 | 8 | 7 | 6 | 5 | 1 | - | - | - | 8 | 8* | 6* | 4* | 1* | - | - | - | - | - | - | - | - | 3* | 5* | 4* |
| HS = 26 | 5* | 5 | 4* | 2* | 1* | - | 1 | 5 | 6 | 7 | 8 | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | - | 1* |
| DU = 27 | 7 | 5* | 4* | 2* | 2* | 1* | - | 5 | 6 | 5 | 7* | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | 2* | 5* |
| YB = 28 | 5 | 5* | 3* | 2* | 1* | - | - | 2 | 5 | 7 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 1 | - | - | 5* |
| VK6 = 29 | 5* | 4* | 3* | 2* | 1* | - | - | - | 2 | 4* | 5 | 4* | 4 | 1 | 1* | 1* | - | - | - | - | - | - | - | 4* |
| VK3 = 30 | 4* | 3* | 2* | 2* | 2* | - | - | - | 5 | 5* | 4* | 2* | 1* | 1* | 1* | 1* | 1* | - | - | - | - | 5* | 5* | 5* |
| KH6 = 31 | 7 | 8 | 8 | 8 | 8 | 5 | - | 1* | 5* | 5* | 4* | 2* | 1* | - | - | - | - | 6 | 6 | 7 | 7* | 6 | 6 | 7 |
| KH8 = 32 | 6 | 6 | 5* | 4* | 3 | 3 | 2 | 2 | 7* | 8 | 7 | 5 | 5* | 4* | 3* | 1* | - | 4 | 6 | 7 | 8* | 7* | 6 | 6 |
| CN = 33 | 8 | 6 | 4 | 5 | - | - | - | - | 1 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| SU = 34 | 8 | 6 | 2 | - | 1* | 1* | - | - | 9 | 9 | 6 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | 7 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| D2 = 36 | 8 | 1 | 6 | 5 | - | 2* | 2 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 1* | 2* | 1* | - | 2 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | - |
| ZS6 = 38 | - | - | - | - | 2* | 1* | - | - | 1 | 1 | 5 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - |
| FR = 39 | - | - | 4* | 3* | 1* | - | 2 | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 5 | 4 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Feb., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 2 | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 7 | 8 | 7 | 7 | 5 | 2 | - | - |
| W6 = 03 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| W9 = 04 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 2 |
| XE1 = 06 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 |
| TI = 07 | 6 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 1 | - | - | - | - | - | - | - | - | - | - | 9 | 5 | 3 | 3 | 4 | 5 | 6 | 9 | 9 | 9 | 8 | 5 | 2 |
| P4 = 09 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | 6 | 5 | 2 | 2 | 2 | 3 | 5 | 7 | 8 | 8 | 7 | 5 | 2 |
| HC = 10 | 8 | 8 | 6 | 2 | 3 | 1 | - | - | - | - | - | - | 7 | 4 | 4 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 9+ | 9 | 6 | - | 4 | 1 | - | - | - | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 9+ |
| CE = 12 | 8 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| LU = 13 | 3 | 1* | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| G = 14 | - | - | - | - | - | - | - | - | 1 | 9 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 9 | 6 | 2 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 2 | 7 | 4 | 2* | - | - | 1 | 3 | 7 | 9+ | 9 | 7 | 4 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - |
| UN = 17 | - | 1* | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 4 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | 2 | 3 | 1 | - | - | - | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 3* |
| 4X = 20 | - | - | - | - | - | - | - | - | 6 | 5 | 2* | 2* | 2 | 2 | 3 | 4 | 6 | 8 | 8 | 7 | 9 | 5 | 7 | 2 |
| HZ = 21 | - | - | - | - | - | - | - | - | 8 | 8 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 2 |
| VU = 22 | - | 2* | 1* | 1 | - | - | - | - | 7 | 7 | 4* | 5 | 6 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - |
| JT = 23 | 3* | 1* | - | 5 | - | - | - | - | 6 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 7 | 2* | - | - | - | - | - | 5 | 5 | 6* | 6* | 7 | 7 | 6 | 5 | 3 | 1 | - | - | - | - | - | 4* |
| JA1 = 25 | 2 | 2 | 1 | 3 | - | - | - | - | 3 | 2* | 5* | 1* | - | - | - | - | - | - | - | - | - | - | 6* | 3* |
| HS = 26 | 5* | 5* | 4* | - | - | - | - | - | 4 | 4 | 8 | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 4 | 1 | - | - |
| DU = 27 | 5* | 5* | 4* | 1* | 1* | - | - | - | 6 | 6 | 6* | 7* | 8 | 8 | 8 | 7 | 6 | 5 | - | - | - | - | 1* | 6* |
| YB = 28 | 4* | 4* | 2* | - | - | - | - | - | 3 | 3 | 5* | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | 2* |
| VK6 = 29 | 1* | 3* | 2* | - | - | - | - | - | - | - | 3* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 4* | 5* | 2* | 1* | 1* | - | - | - | - | 4* | 1* | 1* | - | - | - | - | - | - | - | - | - | 1* | 5* | 4* |
| KH6 = 31 | 4 | 5 | 4 | 2 | 4 | 1 | - | - | 3* | 5* | 3* | 1* | - | - | - | - | - | 4 | 7 | 8 | 7 | 7 | 6 | 5 |
| KH8 = 32 | 5 | 2 | 1* | 2* | - | - | - | - | 6* | 7* | 4 | 4* | 5* | 2* | - | - | - | - | 5 | 7 | 8* | 7 | 6 | 6 |
| CN = 33 | 2 | - | - | - | - | - | - | - | - | 2 | 2 | 1* | - | - | 1 | 3 | 7 | 9+ | 9+ | 8 | 7 | 5 | 2 | 4 |
| SU = 34 | 2 | - | - | - | - | - | - | - | 5 | 4 | 2* | 2* | 2* | 2 | 2 | 4 | 6 | 7 | 7 | 6 | 5 | 4 | 5 | 6 |
| 6W = 35 | 8 | 8 | 6 | 8 | 5 | - | - | - | - | 9 | 9 | 6 | 4 | 4 | 4 | 3 | 4 | 7 | 8 | 9 | 8 | 5 | 4 | 8 |
| D2 = 36 | 1 | - | 1 | - | - | - | - | - | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| 5Z = 37 | - | - | - | - | 1* | - | - | - | - | - | 1* | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 5 | - |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | 1* | 1 | 4 | 6 | 7 | 7 | 6 | 5 | 4 | - | - | - | - | - |
| FR = 39 | - | - | 1* | - | 1* | - | - | - | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 5 | 2 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Feb., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 3 | 3 | 3 | 1 | 1 | - | - | - |
| W6 = 03 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 | 6 | 7 | 6 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 4 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 4 | 3 | 5 | 5 | 5 | 4 | 5 | 2 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 2 | 3 | 5 | 6 | 7 | 6 | 5 | 2 | 1 |
| TI = 07 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 4 | 5 | 6 | 7 | 8 | 8 | 7 | 5 | 3 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - | 1* | 2* | 4* | 4 | 5 | 3 | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 2* | 2* | 3* | 3* | 4 | 2 | 1 | - | - |
| HC = 10 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | 6 | 1 | 1 | 1 | 2 | 4 | 5 | 6 | 7 | 6 | 5 | 4 |
| PY1 = 11 | 9 | 6 | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |
| LU = 13 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9+ | 9 | 8 | 6 | 1 |
| G = 14 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 | 5 | 7 | 7 | 5 | 1 | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 9 | 6 | 2 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 3 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 1 | 8 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | 1 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | 2 | 3 | 3 | 1 | 4 | - | 1 | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 2 | 3 | - | 4 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 5 | 2 | 2 | 1 | - |
| VU = 22 | - | - | - | - | - | - | - | - | 1 | 1 | - | 3 | 5 | 9 | 8 | 3 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | 1 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 3 | 1* | - | - | - | - | - | - | - | 1* | 5* | 7 | 7 | 3 | 2 | - | - | - | - | - | - | - | 2* |
| JA1 = 25 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 2* |
| HS = 26 | 4* | 4* | 1* | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 5 | 5 | 3 | 4 | 3 | 2 | - | - | - | - |
| DU = 27 | 5* | 3* | 1* | - | - | - | - | - | 1 | 1 | 1* | 6 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | 4* |
| YB = 28 | 1* | 1* | - | - | - | - | - | - | - | - | 1* | 6 | 7 | 8 | 7 | 5 | 5 | 2 | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 1* | 2* | 1* | 1* | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - |
| KH6 = 31 | - | - | - | - | 1 | - | - | - | - | 2* | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 5 | 2 | 1 |
| KH8 = 32 | 1 | - | - | - | - | - | - | - | 2* | 2* | - | 2* | 2* | - | - | - | - | - | 1 | 5 | 7 | 7 | 6 | 3 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | 1 | 2 | 2 | - | - | - | - | 1 |
| 6W = 35 | 3 | 2 | 1 | 4 | 1 | - | - | - | - | 2 | 2 | 1* | 1* | 2* | 2* | 3* | 4* | 4* | 4* | 4 | 1 | - | - | 2 |
| D2 = 36 | - | - | - | - | - | - | - | - | - | - | - | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 2 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 8 | 7 | 6 | 6 | 6 | 6 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 7 | 7 | 7 | 6 | 3 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Mar., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | - | 2 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 4 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | - | 2 | 4 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 2 | 3 | 4 | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| P4 = 09 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| G = 14 | 4 | 4 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| I = 15 | 4 | 4 | 4 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 |
| UN = 17 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 2 | 3 |
| HZ = 21 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 5 |
| VU = 22 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 6 |
| SU = 34 | 3 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 2 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| ZS6 = 38 | 6 | 9 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 6 |
| FJL = 40 | 4 | 3 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Mar., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | 1 | 2 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| W6 = 03 | - | 1 | 2 | 5 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 |
| XE1 = 06 | 2 | 5 | 7 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 5 | 6 | 7 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 7 | 8 | 8 | 8 | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| P4 = 09 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 |
| G = 14 | 7 | 7 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 7 |
| I = 15 | 7 | 7 | 7 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 |
| UN = 17 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| UA9 = 18 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | - | 1 | 1 | 3 | - | - |
| 4X = 20 | 6 | 6 | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 5 | 5 | 6 |
| HZ = 21 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 8 | 8 |
| VU = 22 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 1 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 1 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 9 |
| SU = 34 | 6 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 5 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 4 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 |
| ZS6 = 38 | 9 | 9+ | 9+ | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 |
| FJL = 40 | 7 | 6 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Mar., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 3 | 5 | 6 | 7 | 7 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| W6 = 03 | 4 | 6 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 |
| HC = 10 | 8 | 9 | 7 | 8 | 9 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9+ | 9+ | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 6 | 7 | 7 | 7 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 7 | 6 | 2 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 8 | 8 |
| HZ = 21 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 | 7 | 6 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 | 6 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 3 | 1 |
| HS = 26 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 6 | 4 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 1 | - |
| KH6 = 31 | - | - | - | 1 | 6 | 7 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Mar., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 5 | 6 | 7 | 7 | 7 | 8 | 7 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 3 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 |
| W6 = 03 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 7 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 6 | 8 | 6 | 2 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 6 | 8 | 6 | 2 | 1 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 6 | 3 | 1 | 1 | 1 | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 8 | 3 | 1 | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 7 | 7 | 8 | 7 |
| UA0 = 19 | 4 | 1 | 1 | 1 | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 6 | 6 | 6 |
| 4X = 20 | 9 | 9 | 8 | 8 | 7 | 1 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 6 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 8 | 7 | 6 |
| VR2 = 24 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 7 | 6 | 6 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 7 | 6 | 2 |
| HS = 26 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 7 | 7 | 6 | 6 |
| YB = 28 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 7 | 6 | 6 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 | 6 | 2 |
| KH6 = 31 | - | - | 3 | 6 | 7 | 8 | 7 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1* | 2* | 2* | 1* | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 9 | 7 | 4 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 3 | 2 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | 5 | 6 | 8 | 8 | 5 | 2 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 6 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 9 | 8 | 8 |
| FJL = 40 | 5 | 4 | 3 | 1 | 1 | 5 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 | 7 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Mar., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 8 | 8 | 8 | 8 | 7 | 2 | 5 | 3* | 3* | 1* | - | - | - | - | - | - | 2 | 7 | 5 | 6 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 8 | 9 | 9 | 8 | 4 | 5 | 2 | 4 | 8 | 7 | 4 | 3 | 2 | 2 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 5 | 6 | 6 | - | - | - | 1 | - | 1 | 1* | 2 | 1 | 2 | 3 | 4 | 6 | 8 |
| W9 = 04 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 6 | 4 | - | 5 | 5 | 3 | 1 | 1 | 2 | 2 | 4 | 6 | 7 | 8 | 9 | 9 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 5 | 4 | - | 6 | 7 | 6 | 3 | 2 | 2 | 3 | 4 | 7 | 8 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 | 8 | - | 1 | 4 | 2 | 1 | - | 1 | 1 | 2 | 3 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | 7 | 1* | - | 8 | 6 | 3 | 2 | 3 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 1* | 1* | 6 | 9 | 9 | 8 | 5 | 4 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 3 | 1* | 1* | - | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 6 | 1* | 7 | 8 | 4 | 5 | 2 | 2 | 2 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 1 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 8 | 8 | 8 | 5 | 2 | 1 | 2 | 1 | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 9 | 9 | 8 | 7 | 4 | 3 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 7 | 8 | 9 | 9 | 6 | 1 | 1 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 |
| I = 15 | 9+ | 9+ | 9+ | 9 | 1 | 1* | 2 | 9+ | 9 | 6 | 5 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 5 | 5 | 4 | 1 | 3 | 3 | 5 | 9 | 6 | 5 | 1 | 1 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 6 |
| UN = 17 | 8 | 7 | 8 | 9 | 8 | 4 | 5 | 4 | 2 | 2 | 1 | - | - | 1 | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 |
| UA9 = 18 | - | 1* | 6 | 8 | 7 | 1 | 2 | 5 | 2 | 4 | 1 | 1 | 1 | 1 | 2 | 4 | 7 | 8 | 6 | 4 | 2 | 1 | 1 | - |
| UA0 = 19 | 8 | 8 | 7 | 5 | 5 | 1 | 3 | 5 | 6* | 5* | 2* | 1* | - | - | - | - | 1* | 1 | 1 | 1 | 2* | 2 | 5 | 8 |
| 4X = 20 | 9+ | 9+ | 9 | 3 | 1 | 1 | 6 | 9 | 7 | 6 | 4 | 3 | 3 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 7 | 5 | 8 | 4 | 6 | 7 | 5 | 2 | 2 | 2 | 1 | 2 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 6 | 8 | 8 | 8 | 4 | 4 | 2 | 1 | - | - | - | 1 | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 1 | 8 | 9 | 8 | 5 | 1 | 2 | 2 | 2* | 2 | 1 | 1 | - | 1 | 2 | 5 | 6 | 5 | 4 | 4 | 2 | 2 | 1 | 1* |
| VR2 = 24 | 8 | 8 | 7 | 3 | 1 | - | - | 2* | 2* | 3* | 2* | 1* | - | - | 1 | 3 | 7 | 7 | 8 | 8 | 9 | 8 | 2 | 2 |
| JA1 = 25 | 7 | 5 | 4 | 2 | 2 | 2* | 2* | 7 | 7* | 6* | 4* | 2* | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 6 | 8 | 9 | 7 |
| HS = 26 | 8 | 9 | 8 | 7 | 5 | 2 | 1 | 1 | 2* | 1* | - | 1 | - | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| DU = 27 | 8 | 8 | 5 | 2 | - | - | 1* | 2* | 4* | 5* | 3* | 1* | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 8 | 1* | 8 |
| YB = 28 | 9 | 8 | 7 | 5 | 2 | 1 | 1 | - | 1* | 1* | 2* | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VK6 = 29 | 7 | 7 | 6 | 5 | 2 | 1 | 2 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 3 | 4 | 5 | 2 | 1* | 1* | 1* |
| VK3 = 30 | 7 | 6 | 4 | 4 | 2 | 1 | 2 | 6 | 5 | 7 | 3 | 2 | - | - | - | - | 1 | 3* | 2* | 2* | 4 | 7 | 8 | 8 |
| KH6 = 31 | 4 | 7 | 8 | 9 | 9 | 9 | 7 | 4 | 8 | 8 | 6 | 4 | - | - | - | 1* | - | 1 | 8 | 6* | 4* | 2* | 1 | 2 |
| KH8 = 32 | 1 | 3 | 6 | 8 | 8 | 9 | 8 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | 1* | 4* | 1 | 6 | 7* | 6* | 3* | 1* | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 7 | - | 1* | 9+ | 9+ | 9 | 8 | 7 | 6 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 5 | 1* | 1 | 6 | 9 | 9 | 7 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 8 | 1 | 1 | 3 | 8 | 9 | 8 | 6 | 4 | 3 | 3 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 3 | 1 | 1 | - | 1* | 1* | 5 | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| FR = 39 | 7 | 4 | 1 | 2 | 7 | 6 | 8 | 7 | 5 | 2 | 1 | 1 | 1 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | 1* | 1* | 1* | 1* | 1* | - | 6 | 7 | 7 | 8 | 5 | 2 | 1 | 1 | 1 | 3 | 5 | 8 | 9 | 8 | 7 | 3 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Mar., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 4 | 3 | 2 | 1 | - | - | 1* | - | - | - | - | - | - | - | - | - | - | 1 | 7* | 6* | 6 | 6 | 6 |
| VO2 = 02 | 7 | 5 | 4 | 3 | 5 | 3 | - | - | - | - | 5 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 8 | 2 | 1 | - | - | - | - | 1 | - | - | - | - | 4 | 5 | 8 | 5 | 5 | 6 | 7 | 8 | 8 | 9 |
| W9 = 04 | 9 | 9 | 6 | 2 | 1 | 1 | 1 | - | - | - | - | - | 7 | 7 | 6 | 7 | 9 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 6 | 7 | 7 | 4 | 7 | - | - | - | - | - | 7 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 |
| XE1 = 06 | 9 | 9+ | 9 | 7 | 6 | 5 | 2 | 2* | - | 3 | - | - | 6 | 7 | 6 | 6 | 9 | 5 | 6 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 1 | 1* | 1 | - | - | 2 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9+ | 9 | 8 | 5 | 4* | 4* | 1* | - | 8 | 8 | 8 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 8 | 9 | 5 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | 1 | - | 9 | 9 | 8 | 7 | 6 | 7 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 6 | 7 | 5 | 1 | 1* | - | 1 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | 2 | 2 | - | - | - | 7 | 9 | 9 | 8 | 8 | 6 | 6 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 4 | 1 |
| I = 15 | 8 | 8 | 7 | 1 | - | - | - | 9 | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | - | - | - | 1* | 1* | - | 1 | 8 | 9 | 8 | 8 | 8 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 2 | - | - |
| UN = 17 | 1 | 2 | 5 | 9 | 7 | 1 | 3 | 8 | 6 | 8 | 8 | 6 | 6 | 6 | 8 | 9 | 8 | 7 | 5 | 3 | 2 | 2 | 4 | 3 |
| UA9 = 18 | 2* | 1* | 1* | 6 | 6 | - | 1 | 7 | 7 | 6 | 7 | 5 | 5 | 5 | 7 | 6 | 1 | 2 | - | - | - | - | - | 1* |
| UA0 = 19 | 7 | 8 | 8 | 8 | 6 | - | 1 | 7 | 7 | 7* | 7 | 6 | 4 | - | - | - | - | - | - | - | 1* | 4* | 3* | 2 |
| 4X = 20 | 9 | 5 | 7 | 4* | 2* | 2* | 1 | 2 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 2 | 2* | 6 | 1* | 5 | 9 | 8 | 7 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 2 | 1* | 7 | 9 | 7 | 1 | 4 | 6 | 5 | 4 | 9 | 5 | 5 | 5 | 8 | 9 | 8 | 9 | 7 | 7 | 8 | 7 | 6 | 2 |
| JT = 23 | 1* | 1 | 8 | 9 | 5 | 1* | 1 | 6 | 6 | 5 | 8 | 5 | 5 | 6 | 6 | 4 | 2 | - | - | - | - | - | 1* | 1* |
| VR2 = 24 | 8 | 8 | 8 | 7 | 2 | 1* | 1 | 5 | 5 | 7* | 7 | 5* | 4 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 4 | 1* | 2* |
| JA1 = 25 | 8 | 7 | 6 | 7 | 3 | - | - | 6 | 6* | 8* | 7* | 5 | 5 | 3 | 1 | 1* | 2 | 4 | 3 | 1 | 1* | 3* | 7 | 8 |
| HS = 26 | 3 | 9 | 9 | 7 | 2 | 1 | 3 | 6 | 8 | 7 | 8 | 4 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 1 |
| DU = 27 | 9 | 8 | 8 | 6 | 2 | 3* | 2 | 7 | 5 | 7* | 7 | 5* | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 1 | 2* | 5 |
| YB = 28 | 8 | 6 | 4* | 4 | 1* | 1* | 1 | 4 | 7 | 6 | 8 | 5* | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | 5 |
| VK6 = 29 | 1* | 1 | 1 | 2 | 1* | - | 2 | 5 | 6 | 6 | 7 | 5 | 5 | 1 | 1* | 1* | 2* | 2* | 2* | - | - | - | 2* | 1* |
| VK3 = 30 | 6 | 3 | 1 | 1 | 2* | - | - | 3 | 8 | 7 | 5 | 4* | 2* | 1* | 1* | 2* | 2* | 1* | - | - | 5* | 3 | 7 | 7 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 8 | 1 | 5* | 4* | 5 | 5* | 4* | 2* | 2* | 2* | 1* | 5 | 6 | 6 | 8* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 5 | 7 | 7 | 7 | 8 | 8 | 6 | 6 | 6 | 8 | 7 | 5 | 4 | 3* | 4* | 5* | 1* | 4 | 4 | 8* | 8* | 8* | 6* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 8 | 1 | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 8 | 2* | 2* | 2* | 1 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 5 | 1 | 1 | 5* | 4* | 2* | 3 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 4* | 2* | - | 1 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 2 | 1 | - |
| FR = 39 | 1 | - | 2* | 4* | 2 | 1 | 6 | 8 | 8 | 7 | 7 | 7 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 |
| FJL = 40 | - | - | - | - | - | - | 1 | - | 5* | 5 | 7 | 7 | 5 | 5 | 6 | 7 | 8 | 7 | 4 | 3 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Mar., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 5* | 4* | 2 | 1 |
| VO2 = 02 | 2 | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 4 |
| W6 = 03 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 6 | 1 | 1 | 1 | - | 2 | - | - | - | - | - | 4 | 8 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9 | 8 | 5 | 7 | - | - | - | - | - | 7 | 9+ | 9 | 7 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 9+ | 9 | 9 | 7 | 1 | - | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 8 | 9 | 7 | 1 | 4* | 2* | - | - | 9 | 8 | 9 | 8 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| PY1 = 11 | 9 | 6 | 9+ | 9+ | 9+ | 9 | 5 | 4* | 1 | 9 | 7 | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9 | 5 | 5 | 4 | - | - | - | - | 1 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9 | 4 | - | 1 | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 2 | - | - |
| I = 15 | 2 | 1 | 1 | - | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 5 | 3 |
| UA3 = 16 | - | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 8 | 8 | 5 | 1 | - | - | - |
| UN = 17 | - | 4* | 1* | 6 | 4 | - | 1 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - |
| UA9 = 18 | 3* | 1* | - | - | 2 | - | - | 4 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2 | 6 | 8 | 8 | 3 | - | - | 5 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 4* | 4* | 3* |
| 4X = 20 | 9 | 8 | 1 | 1* | 2* | 1* | - | 8 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 8 | 7 | 1* | 3* | 2 | 1* | 1 | 5 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | - | 2* | 3* | 9 | 4 | 1* | 2 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 8 | 9 | 4 | - | - | 1 | 1 | - | - |
| JT = 23 | 3* | 2* | 4 | 8 | 3 | - | - | 5 | 8 | 7 | 7 | 7 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | 3* |
| VR2 = 24 | 5* | 9 | 8 | 6 | 2* | 2* | 1 | 5 | 5 | 7* | 7* | 6* | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | - | 2* | 4* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 1 | - | - | 5 | 7 | 8* | 7* | 5* | 3* | 1* | - | - | - | - | - | - | - | 4* | 5* | 6 |
| HS = 26 | 4* | 8 | 7 | 6 | 2* | 1* | 2 | 5 | 7 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 2* |
| DU = 27 | 9 | 8 | 7 | 5 | 3* | 4* | 1 | 5 | 5 | 7* | 8* | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | - | 4* | 5* |
| YB = 28 | 5 | 5* | 4* | 2* | 1* | - | - | 1 | 5 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 5 | 3 | 1 | - | 4* |
| VK6 = 29 | 3* | 3* | 2* | 1 | 1* | - | - | - | 7 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1* | 4* |
| VK3 = 30 | 2 | 2* | 1* | 2* | 1* | - | - | - | 8 | 6 | 4* | 2* | 1* | - | - | - | - | - | - | - | 1* | 5* | 4* | 4* |
| KH6 = 31 | 8 | 8 | 9 | 9 | 8 | 5 | - | - | 5* | 6* | 5* | 4* | 2* | 3* | 2* | - | - | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| KH8 = 32 | 6 | 6 | 5 | 5* | 5 | 4 | 2 | 5* | 7* | 7* | 6* | 5* | 4* | 4* | 5* | 4* | - | 6 | 6 | 8* | 8* | 7* | 6 | 6 |
| CN = 33 | 9 | 9 | 8 | 5 | - | - | - | - | 8 | 9+ | 9+ | 7 | 5 | 5 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| SU = 34 | 9+ | 9 | 4 | - | 2* | 1* | - | 6 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9 | 8 | 9 | 8 | 4 | 3* | 3 | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 5* | 4* | 2* | - | 1 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 |
| ZS6 = 38 | - | - | - | - | 1* | 1* | - | - | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | - | - | - | - |
| FR = 39 | - | - | 2* | 4* | 3* | - | 3 | 6 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 4 | 2 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 2* | - | 3 | 5 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Mar., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 2 | 5 | 6 | 7 | 7 | 7 | 5 | 2 | - |
| W6 = 03 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | 4 | 5 | 6 | 7 | 8 | 8 |
| W9 = 04 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 8 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 6 |
| XE1 = 06 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 8 |
| TI = 07 | 9 | 5 | 8 | 5 | 6 | 1 | - | - | - | - | - | - | 3 | 8 | 6 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 5 | 3 | 1 | - | 2 | - | - | - | - | - | - | 9 | 1 | - | 1* | 1 | 5 | 9 | 9+ | 9+ | 9 | 9 | 7 | 4 |
| P4 = 09 | 5 | 6 | 6 | 4 | 2 | - | - | - | - | - | - | 9 | 2 | - | 1* | 1 | 5 | 9 | 9 | 9+ | 9 | 9 | 7 | 5 |
| HC = 10 | 9 | 9 | 9 | 7 | 6 | 3 | - | - | - | - | - | 3 | 7 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 7 | 8 | 5 | - | - | - | 9 | - | - | 9+ | 9+ | - | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 |
| CE = 12 | 9 | 8 | 2 | - | 1 | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 2 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9 | - | 9 | 9 | 2 | 9 | 9 | 9 | 7 | 2 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 9 | 9 | 2 | - | - | - | - | 4 | 7 | 9 | 9+ | 9 | 6 | 2 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 3 | 3 | - | - | - | - | - |
| UN = 17 | - | 2* | - | 1 | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 6 | 6 | 5 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | - | 3 | 6 | - | - | - | - | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1* | 5* | 4* |
| 4X = 20 | 6 | 1 | - | - | - | - | - | - | 9 | 9 | 1 | 1* | 1 | 2 | 5 | 7 | 9 | 9+ | 9+ | 9 | 8 | 6 | 9 | 8 |
| HZ = 21 | 5 | 2 | - | 1* | 1* | - | - | - | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| VU = 22 | - | 3* | 4* | 7 | 1 | - | 1 | 1 | 7 | 6 | 5 | 6 | 8 | 8 | 9 | 9 | 6 | - | - | - | - | - | - | - |
| JT = 23 | 4* | 1* | - | 6 | - | - | - | - | 8 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5* | 8 | 6 | 4 | 1* | 1* | - | - | 5 | 5 | 7* | 6 | 7 | 7 | 8 | 7 | 6 | 5 | 4 | 2 | - | - | - | 6* |
| JA1 = 25 | 4 | 6 | 6 | 5 | - | - | - | - | 7 | 6 | 8* | 4* | 1* | - | - | - | - | - | - | - | - | 3* | 5* | 4* |
| HS = 26 | 5* | 6* | 5* | 4* | 2* | 1* | - | - | 5 | 6 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | - | - |
| DU = 27 | 7 | 6* | 5* | 4* | 3* | 2* | - | - | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 5 | - | - | 2* | 5* |
| YB = 28 | 5* | 5* | 4* | 2* | 1* | - | - | - | 3 | 5 | 8 | 7 | 8 | 7 | 8 | 6 | 5* | 2 | - | - | - | - | - | 5* |
| VK6 = 29 | 5* | 5* | 4* | 2* | 1* | - | - | - | 1 | 4* | 5* | 2* | - | - | - | - | - | - | - | - | - | - | - | 4* |
| VK3 = 30 | 4* | 3* | 3* | 2* | - | - | - | - | 3 | 4* | 1* | 1* | - | - | - | - | - | - | - | - | - | 4* | 5* | 6* |
| KH6 = 31 | 7 | 8 | 8 | 7 | 6 | 1 | - | - | 2* | 5* | 5* | 4* | 2* | 1* | - | - | - | 4 | 7 | 7 | 8 | 7 | 7 | 6 |
| KH8 = 32 | 6 | 4 | 4* | 3* | 2 | 1 | - | - | 7* | 7* | 5* | 3* | 4* | 5* | 4* | 1* | - | 1 | 7 | 7 | 8 | 8 | 7 | 7 |
| CN = 33 | 3 | 2 | 1 | - | - | - | - | - | - | 4 | 1 | - | - | - | - | 3 | 7 | 9+ | 9+ | 8 | 6 | 2 | 1 | 4 |
| SU = 34 | 9 | 4 | - | - | - | - | - | - | 9 | 6 | 1* | 1* | - | 1 | 4 | 6 | 9 | 9+ | 9+ | 9 | 7 | 5 | 6 | 8 |
| 6W = 35 | 8 | 8 | 9 | 9 | 5 | - | - | - | 1 | 9 | 8 | 2 | 4 | 5 | 4 | 6 | 8 | 9 | 9+ | 9 | 8 | 4 | 3 | 8 |
| D2 = 36 | 4 | 1 | 6 | 4 | - | 1* | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| 5Z = 37 | - | - | - | 2* | 3* | 1* | - | - | 1 | 4 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 2* | 1 | 5 | 7 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - |
| FR = 39 | - | - | - | 3* | 2* | - | - | - | 6 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Mar., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 1 | - | - |
| W6 = 03 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 1 | 2 | 5 | 5 |
| W9 = 04 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 5 | 5 | 5 | 7 | 6 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 4 | 6 | 5 | 2 |
| XE1 = 06 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 3 | 5 | 7 | 8 | 8 | 7 | 4 | 1 |
| TI = 07 | 6 | - | 4 | 1 | 2 | - | - | - | - | - | - | - | - | 4 | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 5 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | 1* | 3* | 5 | 6 | 5 | 2 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 2* | 2 | 5 | 6 | 5 | 2 | - | - |
| HC = 10 | 6 | 6 | 5 | 3 | 3 | 1 | - | - | - | - | - | - | 6 | - | - | 1 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 6 |
| PY1 = 11 | 9+ | 9 | 6 | 1 | 5 | - | - | - | - | 1 | 9 | 9+ | 9+ | 9+ | 9+ | 1* | 5 | 7 | 8 | 8 | 8 | 6 | 9+ | 9+ |
| CE = 12 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| LU = 13 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 4 |
| G = 14 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 | 6 | 4 | 2 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 1 | 5 | - | - | - | - | - | - | 1 | 4 | 9 | 6 | 1 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 7 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | 4 | - | - | - | - | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* |
| 4X = 20 | - | - | - | - | - | - | - | - | 1 | - | 1* | 2* | 1* | - | - | 1 | 4 | 5 | 6 | 4 | - | - | 5 | 2 |
| HZ = 21 | - | - | - | - | 1* | - | - | - | 6 | 6 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 2 |
| VU = 22 | - | 1* | 2* | 4 | - | - | - | - | 4 | 4 | 2* | 5* | 5 | 8 | 9 | 8 | - | - | - | - | - | - | - | - |
| JT = 23 | 1* | - | - | 3 | - | - | - | - | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 6 | 3* | 1 | 1* | - | - | - | 1 | 2 | 5* | 6* | 5 | 8 | 6 | 5 | 2 | 1 | 1 | - | - | - | - | 3* |
| JA1 = 25 | 1* | 1 | 1 | 2 | - | - | - | - | 3 | 1 | 5* | 2* | - | - | - | - | - | - | - | - | - | 1* | 6* | 2* |
| HS = 26 | 5* | 5* | 5* | 1* | 1* | 1* | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 6 | 5 | 5 | 6 | 6 | 4 | - | - | - |
| DU = 27 | 5 | 6* | 4* | 1* | 2* | 2* | - | - | 1 | 4 | 5 | 6 | 8 | 8 | 8 | 7 | 7 | 7 | 1 | 1 | - | - | - | 5* |
| YB = 28 | 2* | 3* | 2* | 1* | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 6 | 5* | 2* | - | - | - | - | - | - | 1* |
| VK6 = 29 | 2* | 3* | 1* | 1* | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 4* | 3* | 2* | 1* | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 5* |
| KH6 = 31 | 4 | 5 | 4 | 2 | 3 | - | - | - | - | 1* | 2* | 1* | 2* | - | - | - | - | - | 4 | 5 | 8 | 6 | 4 | 2 |
| KH8 = 32 | 3 | 1 | 1* | 1* | - | - | - | - | 5* | 5* | 1* | - | - | 4* | 1* | - | - | - | 6 | 8 | 8 | 8 | 7 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 1 | - | - | - | - |
| SU = 34 | 3 | - | - | - | - | - | - | - | - | - | 2* | 2* | 1* | - | - | 1 | 2 | 4 | 5 | 2 | - | - | - | 2 |
| 6W = 35 | 2 | 2 | 3 | 8 | 1 | - | - | - | - | 2 | 1* | 1* | 2* | 1 | 1 | 1* | 2 | 5 | 7 | 4 | 1 | - | - | 2 |
| D2 = 36 | - | - | 1 | - | - | - | - | - | - | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 3 |
| 5Z = 37 | - | - | - | - | 2* | 1* | - | - | - | - | 2* | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 3 | 3 | 1 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 6 | 4 | 4 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Apr., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 4 | 5 | 6 | 6 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| W6 = 03 | - | - | - | - | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 4 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 1 | 3 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 5 | 2 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| P4 = 09 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 2 | 3 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 |
| CE = 12 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 |
| G = 14 | 4 | 4 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| UA3 = 16 | 3 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 4 |
| UN = 17 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 3 |
| HZ = 21 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 3 | 5 |
| VU = 22 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 6 |
| SU = 34 | 4 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| FJL = 40 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Apr., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 |
| W6 = 03 | - | - | 1 | 3 | 5 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| XE1 = 06 | 1 | 4 | 6 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 8 | 5 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| P4 = 09 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 5 | 6 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ |
| CE = 12 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 |
| G = 14 | 7 | 7 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 7 | 7 |
| UA3 = 16 | 6 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 7 |
| UN = 17 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 5 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - | - | - |
| 4X = 20 | 6 | 6 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 6 | 6 |
| HZ = 21 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 6 | 8 |
| VU = 22 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 5 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 |
| SU = 34 | 7 | 8 | 8 | 8 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 |
| FJL = 40 | 6 | 6 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Apr., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 4 | 5 | 7 | 6 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| W6 = 03 | 2 | 5 | 7 | 8 | 8 | 8 | 7 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 7 | 9 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 5 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 |
| I = 15 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 6 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 6 | 2 | 1 |
| 4X = 20 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 6 | 8 |
| JT = 23 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 6 | 6 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 3 | 1 | - |
| HS = 26 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 5 | 4 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 2 | 1 |
| KH6 = 31 | - | - | - | 1 | 6 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 2 | 1 | 1 | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Apr., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 4 | 5 | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1* | 1 | 1 | 1 | 1 | 3 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 7 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| W9 = 04 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 7 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 6 | 7 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 6 | 8 | 8 | 9 | 2 | 1 | - | - | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 8 | 8 | 9 | 8 | 8 | 7 | 5 | 6 | 4 | 5 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 9 | 9 | 8 | 7 | 3 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 6 | 2 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 2 | 7 | 7 | 2 | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 6 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 8 |
| UN = 17 | 8 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 7 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 8 | 8 | 7 | 7 |
| UA0 = 19 | 1 | 1 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 3 | 6 | 5 | 6 | 6 | 6 | 5 |
| 4X = 20 | 9 | 9 | 8 | 7 | 5 | 1 | 5 | 3 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 8 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 8 | 7 | 7 | 7 |
| VR2 = 24 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 7 | 7 | 7 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 7 | 6 | 5 | 2 |
| HS = 26 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 7 | 6 | 5 |
| YB = 28 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 7 | 5 | 5 |
| VK3 = 30 | 2 | 1 | 1 | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 | 6 | 6 | 6 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 6 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 1 | 5 | 8 | 7 | 5 | 1 | 1 | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 9 | 9 | 9 | 9 | 5 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 8 | 7 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 3 | 2 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 6 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 5 | 1 | 5 | 9 | 8 | 5 | 2 | 1 | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 7 | 5 | 6 | 6 | 6 | 2 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| FJL = 40 | 7 | 6 | 5 | 5 | 7 | 5 | 6 | 4 | 2 | - | - | - | - | - | - | - | 2 | 2 | 4 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Apr., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | 4* | 4* | 3* | 1* | - | - | - | - | 1 | 2 | 7 | 6 | 7 | 7 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 7 | 3 | 8 | 8 | 6 | 6 | 5 | 5 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 9 | 9 | 9 | 9 | 8 | 2 | 4 | 6 | 4 | 1* | - | 2 | 2 | - | - | 1 | 3 | 1 | 2 | 3 | 4 | 6 | 7 |
| W9 = 04 | 9 | 9 | 9 | 9 | 8 | 9 | 3 | 6 | 6 | 5 | 1 | 7 | 4 | 2 | 3 | 3 | 3 | 4 | 5 | 6 | 8 | 8 | 9 | 9 |
| W3 = 05 | 9+ | 9 | 9 | 9 | 8 | 8 | 1 | 5 | 6 | 5 | 8 | 7 | 5 | 5 | 4 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 9 | 8 | - | 6 | 5 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 9 | 5 | 4 | 8 | 4 | 1 | 7 | 5 | 5 | 3 | 2 | 2 | 4 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 1* | 1* | 5 | 9 | 9 | 9 | 8 | 5 | 4 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 1 | 1* | 4 | 8 | 9 | 8 | 7 | 6 | 5 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 7 | - | 6 | 6 | 5 | 2 | 1 | 2 | 3 | 4 | 6 | 7 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 9 | 9 | 1 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 3 | 3 | 1* | 9 | 8 | 6 | 4 | 2 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 3 | 9 | 9 | 9 | 8 | 5 | 3 | 3 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 9 | 9 | 8 | 5 | - | 1 | 9 | 9 | 7 | 5 | 5 | 3 | 2 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| I = 15 | 9+ | 9+ | 9 | 7 | 1 | 1* | 4 | 9 | 9 | 7 | 5 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 8 | 7 | 6 | 6 | 5 | 1* | 6 | 8 | 6 | 6 | 1 | 1 | 1 | 1 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| UN = 17 | 9 | 9 | 9 | 8 | 6 | 3 | 5 | 3 | 1 | - | - | 1 | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 4 | 7 | 8 | 8 | 3 | - | 5 | 4 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 7 | 4 | 2 | 2 |
| UA0 = 19 | 8 | 7 | 6 | 5 | 1 | 1* | 2 | 3 | 5 | 8 | 3* | 1* | - | - | 1 | 2 | 5 | 5 | 5 | 5 | 5 | 6 | 8 | 8 |
| 4X = 20 | 9+ | 9 | 9 | 6 | 5 | 1 | 2 | 8 | 6 | 6 | 4 | 3 | 3 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 7 | 8 | 7 | 5 | 7 | 7 | 5 | 2 | 1 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| VU = 22 | 8 | 8 | 9 | 8 | 7 | 5 | 4 | 2 | 1 | - | - | - | 1 | 2 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 9 | 8 | 6 | 2 | 1 | 4 | 2 | 2* | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 6 | 4 | 3 | 5 |
| VR2 = 24 | 8 | 8 | 5 | 2 | 1 | - | - | 1* | 2* | 3* | 2* | 1* | - | - | 2 | 4 | 8 | 7 | 8 | 8 | 9 | 8 | 5 | 8 |
| JA1 = 25 | 5 | 5 | 3 | 2 | - | 1* | 2 | 3 | 7* | 6* | 4* | 2* | 1* | 1 | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| HS = 26 | 8 | 9 | 8 | 6 | 2 | 1 | - | 1 | 1 | 1* | - | 1 | 1 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| DU = 27 | 8 | 8 | 5 | 2 | - | - | 1* | 1* | 4* | 5* | 3* | 2* | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 7 | 5 | 8 |
| YB = 28 | 9 | 8 | 6 | 4 | - | - | 1 | - | 2* | 1* | 2* | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 7 |
| VK6 = 29 | 2 | 6 | 4 | 4 | 1 | - | 2 | 2 | 2 | 8 | 1 | 1 | 2 | 2 | - | - | - | 1 | 4 | 5 | 3 | 1* | - | 1* |
| VK3 = 30 | 5 | 4 | 4 | 4 | 2 | - | 1 | 7 | 6 | 5 | 4 | 2 | - | - | - | - | 1 | 2 | 1 | 2* | 1 | 4 | 7 | 8 |
| KH6 = 31 | 4 | 6 | 8 | 9 | 9 | 8 | 4 | 4 | 9 | 8 | 8 | 5 | 2 | - | - | 1* | 1* | 2* | 8 | 5* | 4* | 1 | 1 | 1 |
| KH8 = 32 | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 9 | 8 | 7 | 5 | 2 | - | - | 1* | 4* | 3* | 7* | 6* | 5* | 3* | 1* | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 2 | - | - | 9+ | 9+ | 9 | 8 | 8 | 6 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 6 | 5 | 1 | 9 | 9 | 7 | 6 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 7 | 1* | 1 | 1 | 9 | 9 | 8 | 7 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | 2 | 1 | - | 1* | 1* | 5 | 9+ | 9 | 8 | 7 | 7 | 6 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 4 | 2 |
| FR = 39 | 5 | 1 | 1* | 1 | 4 | 5 | 7 | 8 | 6 | 2 | 2 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 6 |
| FJL = 40 | 1* | 1* | - | 1* | 1* | 1 | 5 | 8 | 8 | 7 | 6 | 4 | 3 | 3 | 3 | 3 | 5 | 7 | 9 | 9 | 9 | 8 | 5 | 2* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Apr., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 6 | 6 | 5 | 4 | - | - | 1* | 5* | 2* | - | - | - | - | - | - | - | - | 3* | 5* | 5* | 4* | 1* | - |
| VO2 = 02 | 9 | 8 | 5 | 4 | 5 | - | - | 1 | - | - | 6 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 7 | 4 | 4 | - | 3* | 1* | 1* | 1* | - | - | 1 | 4 | 5 | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9+ | 9 | 8 | 4 | 2 | 5 | - | - | - | - | - | - | 1 | 8 | 7 | 6 | 8 | 9 | 7 | 8 | 8 | 9 | 9 | 9+ |
| W3 = 05 | 9 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | 2 | 8 | 8 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| XE1 = 06 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1* | 1* | 2 | 6 | - | - | 8 | 6 | 7 | 6 | 9 | 7 | 6 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 7 | 1* | 2* | 4 | - | - | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 7 | 1 | 1* | - | - | - | 9+ | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9 | 8 | 2 | 1* | - | - | - | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 4* | 4* | 2* | 3 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 5 | 9+ | 9+ | 9+ | 6 | 2 | 8 | 7 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 8 | 6 | - | - | - | - | 2 | 9 | 9 | 8 | 7 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 7 | 3 | 6 | 3 | - | - | - | - | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | 2 | 2 | 1 | - | - | - | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 6 | 2 |
| I = 15 | 7 | 7 | 5 | 1 | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 |
| UA3 = 16 | - | - | - | - | 1* | - | 2 | 9 | 8 | 8 | 8 | 8 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | 1 |
| UN = 17 | 5 | 6 | 8 | 9 | 4 | 1 | 6 | 8 | 7 | 8 | 9 | 6 | 6 | 6 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 7 | 6 | 6 |
| UA9 = 18 | 1* | - | 5 | 7 | - | - | 3 | 7 | 7 | 6 | 7 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 7 | 4 | - | - | 2* | 1* |
| UA0 = 19 | 8 | 9 | 8 | 6 | - | - | 1 | 8 | 6* | 8* | 6* | 6 | 5 | 5 | 3 | 1 | - | - | - | - | 5* | 5* | 3* | 6 |
| 4X = 20 | 9+ | 9 | 6 | 1* | 1* | 1* | 5 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 3 | 4 | 2 | 1* | 6 | 9 | 8 | 7 | 8 | 6 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 | 9+ | 9 |
| VU = 22 | 5 | 5 | 9 | 9 | 5 | 2 | 6 | 6 | 6 | 4 | 9 | 5 | 4 | 7 | 7 | 9 | 8 | 9 | 5 | 5 | 8 | 8 | 8 | 5 |
| JT = 23 | 2 | 8 | 9 | 7 | 1* | - | 3 | 5 | 5 | 5 | 7 | 5 | 5 | 5 | 7 | 8 | 8 | 7 | 4 | 1 | - | 1* | 2* | 1* |
| VR2 = 24 | 8 | 8 | 8 | 7 | 1 | 1* | 3 | 2 | 5 | 7* | 7 | 4 | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 2 | 2* | 2 |
| JA1 = 25 | 8 | 7 | 6 | 4 | 1* | - | 2 | 5 | 5* | 8* | 7* | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 3 | 2 | 5 | 6 | 8 | 9 |
| HS = 26 | 7 | 9 | 8 | 5 | 1* | 1* | 4 | 6 | 8 | 7 | 8 | 5 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 2 |
| DU = 27 | 9 | 8 | 8 | 5 | 2* | 2* | 2 | 7 | 5 | 8* | 7* | 5* | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 4* | 2* | 8 |
| YB = 28 | 8 | 5 | 3* | 1 | 1* | - | 2 | 4 | 6 | 6 | 7 | 4 | 5 | 6 | 7 | 7 | 7 | 6 | 2 | 4 | 4 | 2 | 2* | 2 |
| VK6 = 29 | 2* | 2* | 1* | 1 | - | - | 1 | 6 | 7 | 6 | 5 | 5 | 3 | 1* | - | - | 1* | 2* | 2* | - | - | - | 1* | 2* |
| VK3 = 30 | 1 | 1* | 1* | 1* | 1* | - | - | 2 | 8 | 7 | 4* | 2* | 1* | - | - | 1* | 1* | 1* | - | - | 4* | 2* | 3* | 2 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 8 | 6 | 1* | 3* | 5* | 8 | 7 | 5 | 2* | 2* | 2* | 1* | 6 | 6 | 7* | 8* | 6 | 6 | 6 | 7 |
| KH8 = 32 | 6 | 7 | 6 | 5 | 8 | 7 | 3 | 2 | 4 | 4 | 5* | 4* | 3* | 3* | 4* | 5* | 1* | 5 | 5 | 8* | 8* | 6* | 6* | 5 |
| CN = 33 | 7 | 5 | 4 | 4 | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| SU = 34 | 9+ | 9+ | 7 | 2* | 2* | 1* | 5 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9 | 9+ | 9 | 3 | 2* | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 4 | 1 | 4* | 3* | 2* | 5 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | - | - | 6 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | 1 | - | - | - |
| FR = 39 | - | - | 4* | 2* | 2* | - | 4 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 6 | 6 | 6 | 7 | 6 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 1 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Apr., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 3* | 1* | - | - |
| VO2 = 02 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| W6 = 03 | 9 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1* | 5 | 6 | 7 | 8 | 8 | 9 | 8 |
| W9 = 04 | 9 | 8 | 2 | - | - | 1 | - | - | - | - | - | - | 5 | 7 | 7 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 8 | 3 | 2 | 1 | - | - | - | - | - | - | - | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 3 | - | - | - | 1 | - | - | 4 | 8 | 7 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 8 | 8 | 7 | 7 | 2 | - | - | 1 | - | - | - | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 7 | 6 | 3 | 2 | - | - | - | - | - | 9 | 9 | 9 | 7 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| P4 = 09 | 9 | 9 | 7 | 5 | 4 | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 9 | 9 | 8 | 9 | 8 | 5 | - | 4* | 2* | - | - | 9 | 7 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 7 | 9+ | 9+ | 9 | 9 | 8 | 1* | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 |
| CE = 12 | 9 | 9 | 6 | 2 | 4 | 1 | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 7 | - | - | 1 | - | - | - | - | - | 6 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | - | - |
| I = 15 | 1 | 1 | - | - | - | - | - | 2 | 9+ | 9 | 9 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 2 | 1 |
| UA3 = 16 | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 5 | 1 | - | - |
| UN = 17 | 4* | 1 | 6 | 7 | 1 | - | 5 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 4 | 3 | 1 | 1 | 1 |
| UA9 = 18 | 1* | - | - | 3 | - | - | 1 | 7 | 8 | 7 | 7 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | 1* |
| UA0 = 19 | 4 | 6 | 5 | 4 | - | - | - | 7 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | 1* | 5* | 1* | 1 | |
| 4X = 20 | 9 | 5 | 1 | - | 1* | - | 1 | - | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 |
| HZ = 21 | 7 | 5 | 4* | 2* | 2* | 1* | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | 2* | 3* | 7 | 8 | 1 | 1* | 5 | 8 | 6 | 5 | 7 | 7 | 7 | 8 | 7 | 8 | 9 | 3 | - | - | 2 | 4 | 3 | - |
| JT = 23 | 1* | 1 | 6 | 5 | - | - | 2 | 8 | 6 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | 3* | 1* |
| VR2 = 24 | 7 | 9 | 8 | 5 | 2* | 1* | 2 | 5 | 4 | 7* | 7* | 6* | 6 | 6 | 8 | 8 | 7 | 8 | 8 | 7 | 3 | - | 3* | 5* |
| JA1 = 25 | 8 | 5 | 3 | 2 | - | - | - | 7 | 6 | 8* | 7 | 6 | 5 | 5 | 1 | - | 1 | - | - | - | 1* | 5* | 6 | 8 |
| HS = 26 | 4* | 9 | 6 | 3* | 2* | 1* | 2 | 6 | 5 | 6* | 6 | 4 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | - | 2* | |
| DU = 27 | 9 | 8 | 6 | 3* | 3* | 2* | 1 | 6 | 4 | 8* | 8* | 6* | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 2 | 1* | 5* | 5 |
| YB = 28 | 5 | 4* | 3* | 1* | 1* | - | 1 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 4* | 5* | 4* | - | - | - | - | - | 4* |
| VK6 = 29 | 2* | 2* | 2* | 1* | - | - | - | 1 | 8 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | 4* | 2* |
| VK3 = 30 | 2* | 1* | 1* | 1* | - | - | - | - | 7 | 4* | 2* | 1* | - | - | - | - | - | - | - | - | 2* | 5* | 4* | 2* |
| KH6 = 31 | 7 | 8 | 7 | 7 | 6 | 1 | - | 2* | 6* | 6* | 5* | 5* | 2* | 2* | 1* | - | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| KH8 = 32 | 6 | 5 | 3* | 2* | 5 | 4 | 1* | 5* | 4* | 6* | 4* | 5* | 4* | 4* | 4* | 3* | - | 5 | 7 | 8* | 8* | 7 | 6 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | 9 | 9+ | 5 | 1 | 1 | 4 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 1 |
| SU = 34 | 9 | 7 | 2 | - | 2* | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ |
| 6W = 35 | 8 | 8 | 8 | 9 | 2 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| D2 = 36 | 9 | 6 | 8 | 5 | - | 1* | 4 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 1 | - | - | 4* | 5* | 1* | - | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 |
| ZS6 = 38 | - | - | - | - | 2* | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 5 | - | - | - | - | - |
| FR = 39 | - | - | 2* | 2* | 1* | - | 1 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 7 | 5 | 6 | 3 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 2* | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | - | 1 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Apr., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - |
| VO2 = 02 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 3 | 4 | 7 | 6 | 5 | 5 |
| W6 = 03 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 3* | 3 | 5 | 5 | 7 | 6 |
| W9 = 04 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 2 | 5 | 5 | 6 | 7 | 8 | 8 |
| W3 = 05 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 | 6 | 8 | 8 | 8 |
| XE1 = 06 | 7 | 6 | 5 | 2 | 4 | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 7 |
| TI = 07 | 8 | 5 | 3 | 1 | 2 | - | - | - | - | - | - | - | 2 | 5 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 1 | - | - | - | - | - | - | - | - | - | - | 9 | 1 | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 1 |
| P4 = 09 | 2 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 1 | - | - | 4 | 9 | 9 | 9+ | 9 | 9 | 8 | 2 |
| HC = 10 | 9 | 9 | 7 | 5 | 5 | 1 | - | 1* | - | - | - | 2 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 8 | 5 | 8 | 1 | - | - | - | 9 | - | 4 | 4 | 3 | 4 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9+ | 9+ |
| CE = 12 | 8 | 4 | - | - | - | - | - | - | - | - | - | 2 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9+ | 9 | 8 |
| LU = 13 | 3 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 6* | 4 |
| G = 14 | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 7 | 1 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 4 | 5 | 1 | - | - | - | 1 | 5 | 7 | 9+ | 9+ | 9+ | 7 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 3 | 4 | 5 | 6 | 4 | 1 | - | - | - |
| UN = 17 | 1* | 1* | 1 | 3 | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 6 | 6 | 4* | 1 | - | 1 | - | - | - | 1 | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | 3* | 1* | - |
| 4X = 20 | 2 | - | - | - | - | - | - | 4 | 9 | 9 | 8 | 3 | 2 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9 | 5 | 1 | 5 | 5 |
| HZ = 21 | 1 | 1 | 1* | - | 1* | - | - | 2 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 |
| VU = 22 | 1* | 5* | 2 | 5 | 1* | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | - | - | - | - | - | - | - |
| JT = 23 | - | - | 1 | 1 | - | - | - | 3 | 5 | 5 | 6* | 3 | 4 | 4 | 2 | - | 1 | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 8 | 4 | 2 | 1* | - | - | 4 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 6 | 4 | 5 | 5 | 2 | - | - | 2* | 6* |
| JA1 = 25 | 5 | 1 | - | - | - | - | - | 1 | 5 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 5* | 2* | 5 |
| HS = 26 | 5* | 7 | 5* | 2* | 1* | - | - | 2 | 7 | 6 | 8 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | - | - | 2* |
| DU = 27 | 8 | 6* | 5* | 3* | 2* | 1* | - | 4 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 3 | - | - | 6* | 6* |
| YB = 28 | 3* | 3* | 2* | - | - | - | - | - | 7 | 7 | 7 | 8 | 8 | 6 | 4* | 5* | 3* | - | - | - | - | - | - | 5* |
| VK6 = 29 | 1* | 1* | 1* | - | - | - | - | - | 6 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 2 | 2* | - | - | - | - | - | - | - | - | - | - | - | 5* | 3* | 1* |
| KH6 = 31 | 5 | 5 | 2 | 1 | 2 | - | - | - | 5* | 4* | 2* | 2* | 2* | 1* | - | - | - | 4 | 5 | 7 | 8 | 7 | 7 | 5 |
| KH8 = 32 | 3* | 1 | 1* | - | 1 | - | - | 4* | 7* | 7* | 6* | 7* | 5* | 5* | 3* | 1* | - | - | 8 | 8 | 8 | 7 | 6* | 5* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9+ | 9+ | 9+ | 7 | - | - | - |
| SU = 34 | 5 | - | - | - | - | - | - | 2 | 5 | 9 | 5 | 1 | 1 | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 7 | 4 | 6 | 6 |
| 6W = 35 | 1 | - | - | 5 | - | - | - | - | 5 | 9+ | 9 | 5 | 5 | 5 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9 | 9 | 4 | 4 |
| D2 = 36 | 2 | - | 2 | - | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 6 |
| 5Z = 37 | - | - | - | 3* | 2* | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 3* | 1 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 7 | 9 | 9 | 9+ | 9 | 1 | - | - | - | - | - | - |
| FR = 39 | - | - | - | 1* | 1* | - | - | 1 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | 1 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Apr., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | 4 | 3 | 1 | 1 |
| W6 = 03 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | 1 | 1 | 4 | 2 |
| W9 = 04 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 6 | 6 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 6 | 5 | 4 |
| XE1 = 06 | 2 | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 | 5 | 1 |
| TI = 07 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 5 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 2 | 6 | 7 | 7 | 5 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 1* | 2 | 6 | 7 | 8 | 6 | 1 | - |
| HC = 10 | 5 | 5 | 3 | 1 | 1 | - | - | - | - | - | - | - | 3 | 4 | 4 | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 5 |
| PY1 = 11 | 9 | 8 | 2 | - | 4 | - | - | - | - | 3 | 9+ | 8 | 1* | 9 | 8 | 1* | 5 | 8 | 9 | 9 | 5 | 4* | 9+ | 9 |
| CE = 12 | 3 | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 6* | 3* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5 | 2* | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 | 7 | 8 | 6 | 2 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 9 | 2 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 6 | 7 | 6 | 6 | 5 | 6 | 6 | 5 | 1 | 1 | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 2 | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 2 | 1 | 3* | - | - | - | - | - | - | - | - | - | - | 1* | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | 1 | 4 | 2* | 1* | 1* | 1* | 1* | 3 | 5 | 6 | 7 | 5 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 2 | 5 | 5 | - |
| VU = 22 | - | 2* | 1* | 1 | 1* | - | - | 1 | 8 | 7 | 7 | 6 | 6 | 8 | 9 | 9 | 1 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | 1 | - | 5* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 4* | 5* | 2* | - | - | - | - | - | 5 | 6 | 7* | 7 | 7 | 8 | 5 | 3 | 1 | 1 | 1 | - | - | - | - | 5* |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1 | 1 | 5* | 1 | - | - | - | - | - | - | - | - | - | 1* | - | 1 |
| HS = 26 | 5* | 5 | 3* | - | 1* | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | 2 | 1 | 1 | - | - | - | 1* |
| DU = 27 | 7 | 6* | 3* | 1* | 1* | - | - | - | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 4 | 4 | 1 | - | - | - | 1* | 5* |
| YB = 28 | 2* | 1* | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 7 | 3 | 4* | 2* | - | - | - | - | - | - | - | 2* |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | 3* | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - |
| KH6 = 31 | 1 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | 1* | - | - | - | - | - | 1 | 4 | 7 | 8 | 4 | - |
| KH8 = 32 | 1* | - | - | - | - | - | - | - | 5* | 6* | 4* | 6* | 4* | 2* | - | - | - | - | 6 | 8 | 8 | 6 | 4* | 3* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 4 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | 2 | 1* | 1* | 1* | 1* | 1* | 2 | 4 | 5 | 6 | 7 | - | - | - | - |
| 6W = 35 | - | - | - | 1 | - | - | - | - | - | 5 | 1 | - | 1 | 1 | 1 | - | 5* | 5 | 7 | 7 | 5 | 1 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - |
| 5Z = 37 | - | - | - | 1* | 1* | - | - | - | - | 2 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 | 2* | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 1 | 5 | 5 | 2 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 7 | 8 | 8 | 2 | 1 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: May, Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W6 = 03 | - | - | - | - | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 5 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 5 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 4 | 3 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 2 | 3 | 3 | 4 | 4 | 4 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 |
| G = 14 | 5 | 4 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 3 |
| I = 15 | 4 | 4 | 4 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 5 |
| UA3 = 16 | 3 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 3 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| HZ = 21 | 3 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 5 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 5 |
| SU = 34 | 3 | 2 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 5 | 5 |
| ZS6 = 38 | 9 | 5 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 9 | 9 |
| FR = 39 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: May, Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| W6 = 03 | - | - | 1 | 2 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 6 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | 1 | 4 | 6 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 7 | 6 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| P4 = 09 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| HC = 10 | 5 | 6 | 6 | 7 | 7 | 7 | 5 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 8 | 7 |
| G = 14 | 8 | 7 | 7 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 6 |
| I = 15 | 7 | 7 | 7 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 7 | 8 |
| UA3 = 16 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 6 |
| UN = 17 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 7 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 5 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 |
| HZ = 21 | 6 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 8 | 8 |
| VU = 22 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 2 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - |
| KH6 = 31 | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 7 | 8 |
| SU = 34 | 6 | 5 | 5 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 |
| ZS6 = 38 | 9+ | 8 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 8 | 8 |
| FJL = 40 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: May, Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | 1 | 2 | 3 | 5 | 5 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 |
| W6 = 03 | 2 | 5 | 6 | 7 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 9 | 8 | 8 | 9 | 8 | 8 | 7 | 6 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 8 | 8 | 8 | 8 |
| UN = 17 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 7 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 2 | 1 | - |
| 4X = 20 | 9 | 8 | 8 | 8 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 7 | 5 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 1 | 1 | - |
| HS = 26 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 5 | 3 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 6 | 2 |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 4 | 6 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 6 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 5 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 9 | 8 | 8 |
| FJL = 40 | 8 | 8 | 6 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: May, Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 4 | 4 | 5 | 6 | 5 | 5 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 |
| W6 = 03 | 4 | 6 | 7 | 7 | 8 | 7 | 5 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| W9 = 04 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 7 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 1 | 4 | 5 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 5 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 4 | 7 | 8 | 6 | 2 | 1 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 5 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | 1 | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 5 | 7 | 5 | 3 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 5 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 4 | - | 5 | 6 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 8 | 1 | - | 7 | 7 | 2 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 2 | 1 | 3 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 6 | 8 | 7 | 8 | 8 |
| UN = 17 | 7 | 7 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 6 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 5 | 7 | 6 | 6 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 5 | 5 | 2 |
| 4X = 20 | 9 | 9 | 8 | 5 | 3 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 8 | 7 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 4 | 4 | 4 | 5 |
| VR2 = 24 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 7 | 6 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 5 | 3 | 2 |
| HS = 26 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 7 | 6 | 7 | 6 | 5 |
| YB = 28 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 8 | 8 | 7 | 6 |
| VK6 = 29 | 6 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 7 | 7 | 7 | 4 | 6 |
| VK3 = 30 | 4 | 1 | 1 | 1 | - | - | 1 | 4 | 2 | 1 | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 5 | 6 | 6 |
| KH6 = 31 | - | - | 1 | 5 | 7 | 7 | 5 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 5 | 6 | 7 | 6 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | 1* | 1* | 2* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 8 | 2 | - | 4 | 8 | 7 | 5 | 3 | 1 | - | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 8 | 3 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 8 | 9+ | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 8 | 6 | 4 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 8 | 4 | 5 | 7 | 7 | 5 | 1 | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 6 | 7 | 7 | 1 | - | - | 8 | 8 | 6 | 2 | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| FR = 39 | 7 | 5 | 2 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 8 | 8 | 8 | 7 | 7 |
| FJL = 40 | 8 | 8 | 8 | 8 | 6 | 3 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 5 | 6 | 7 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: May, Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 7 | 2 | 1 | 7 | 6 | 5 | 4 | 2 | 2 | 1 | 1 | 2 | 4 | 9 | 8 | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 7 | 2 | - | 7 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 8 | 8 | 8 | 5 | 1* | 4 | 7 | 3* | 1* | - | 2 | 2 | - | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 | 7 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | 5 | 5 | 6 | 6 | 8 | 3 | 4 | 5 | 4 | 4 | 5 | 5 | 7 | 8 | 8 | 9 | 9 |
| W3 = 05 | 9 | 9 | 8 | 8 | 8 | 4 | - | 5 | 6 | 5 | 8 | 6 | 6 | 5 | 4 | 5 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 3 | 9 | 9 | 8 | 6 | 5 | 3 | 3 | 4 | 4 | 4 | 2 | 3 | 5 | 7 | 8 | 9 |
| TI = 07 | 9 | 9 | 9 | 8 | 8 | 7 | 2* | 1* | 6 | 7 | 6 | 7 | 6 | 5 | 4 | 3 | 2 | 5 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 8 | 7 | 6 | 1 | 1* | 1* | 8 | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 8 | 7 | 3 | 1* | 1* | 7 | 9 | 9 | 8 | 7 | 6 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 2 | 7 | 2 | 7 | 6 | 5 | 4 | 2 | 2 | 3 | 5 | 5 | 7 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9 | 8 | 5 | 4 | 9+ | 9+ | 6 | 6 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9 | 9 | 9 | 7 | 1 | - | - | - | 8 | 8 | 7 | 5 | 4 | 3 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 |
| LU = 13 | 9+ | 9+ | 8 | 8 | 8 | 5 | - | - | - | 5 | 9 | 9 | 8 | 6 | 5 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 7 | 5 | 4 | 1* | - | - | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| I = 15 | 8 | 5 | 2 | 1 | 1* | - | 2 | 9 | 6 | 7 | 6 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ |
| UA3 = 16 | 9 | 7 | 6 | 5 | 1* | - | 6 | 8 | 6 | 7 | 3 | 2 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 9 | 6 | 1 | 2 | 5 | 3 | 1 | - | 1 | - | 1 | 1 | 3 | 5 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 8 | 5 | 3 | - | - | 5 | 4 | 2 | 3 | 1* | - | - | - | 1 | 2 | 7 | 6 | 8 | 9 | 9 | 9 | 8 | 8 |
| UA0 = 19 | 7 | 5 | 3 | 1 | - | - | 2 | 4 | 8 | 8 | 3* | 2* | 1* | - | 1 | 1 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| 4X = 20 | 9+ | 9 | 9 | 4 | - | - | 3 | 8 | 6 | 4 | 2 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 8 | 8 | 2 | 4 | 7 | 7 | 5 | 2 | 1 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 9 | 9 | 9 | 8 | 4 | 4 | 4 | 2 | 1 | - | - | - | - | 1 | 4 | 5 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 9 | 8 | 6 | 3 | - | - | 4 | 1 | 2* | 1 | 1* | - | - | 1 | 1 | 3 | 8 | 6 | 8 | 9 | 9 | 8 | 8 | 8 |
| VR2 = 24 | 8 | 7 | 5 | 2 | - | - | - | - | 2* | 4* | 2* | 1* | - | - | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 6 | 3 | 1 | - | - | - | 2 | 1 | 6 | 8 | 5* | 3* | 1* | - | 1 | 2 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 7 |
| HS = 26 | 9 | 9 | 8 | 5 | 1 | 1 | 1 | 1 | 1 | 1* | 1* | - | 1 | 2 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 6 |
| DU = 27 | 8 | 8 | 4 | 1 | - | - | - | - | 3* | 5* | 4* | 2* | 1* | - | 2 | 5 | 8 | 8 | 9 | 9 | 8 | 4 | 7 | 8 |
| YB = 28 | 8 | 5 | 2 | 1 | - | - | 2 | 1 | 2* | 1* | 2* | 1 | 1 | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 1* | 1 |
| VK6 = 29 | 2 | 2 | 2 | 1 | - | - | 1 | 4 | 7 | 8 | 2 | 2 | 2 | 1 | - | - | - | 1* | 1* | 1 | - | 1* | - | 1* |
| VK3 = 30 | 2 | 1 | 2 | 2 | - | - | - | 6 | 7 | 5 | 2 | - | - | - | - | - | 1 | 1 | 1 | 1* | 1* | 1 | 6 | 5 |
| KH6 = 31 | 4 | 6 | 7 | 7 | 8 | 5 | 1* | 3* | 9 | 9 | 8 | 6 | 3 | - | 1* | 2* | 2* | 5* | 8 | 5* | 2* | - | 1 | 1 |
| KH8 = 32 | 3 | 5 | 6 | 7 | 8 | 8 | 3 | 4 | 9 | 7 | 3 | 2 | 2 | - | - | 1* | 2* | 6 | 6* | 6* | 5* | 3 | 2 | 1 |
| CN = 33 | 5 | 1 | - | 1 | - | - | - | 9+ | 9 | 9 | 9 | 8 | 6 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| SU = 34 | 9+ | 9 | 9 | 4 | 1* | - | 9 | 9 | 7 | 4 | 3 | 3 | 3 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9 | 8 | 9 | 5 | - | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 6 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 4 | 1* | 1* | 1 | 9 | 9 | 8 | 7 | 2 | 2 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | - | 2 | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - |
| FR = 39 | 1 | - | 1* | 1* | - | 2 | 8 | 8 | 6 | 3 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 8 | 7 | 6 | 7 | 4 | 1 | 1 |
| FJL = 40 | 8 | 7 | 6 | 7 | 2 | - | 4 | 9 | 8 | 9 | 6 | 4 | 3 | 2 | 3 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: May, Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 1 | 3 | 1 | 5 | 2 | - | - | - | 7* | 5* | 4* | 1* | - | - | - | - | - | 1* | 5* | 4* | 3 | 4 | 4 | 3 |
| VO2 = 02 | 8 | 7 | 5 | 3 | 2 | - | - | 2 | 1 | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 8 | 2 | 1 | 4 | - | - | 4* | 5* | 4* | 2* | - | - | 1 | 5 | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9 | 7 | 4 | 2 | 5 | - | - | - | - | - | - | 6 | 8 | 7 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 7 | 4 | 1 | - | 3 | - | - | - | - | - | 6 | 8 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| XE1 = 06 | 9 | 8 | 6 | 3 | 6 | 2 | 1* | 4* | 1* | 8 | - | 4 | 8 | 8 | 8 | 8 | 9 | 5 | 8 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 8 | 7 | 4 | 1 | 5 | 1 | 1* | 2* | 2* | 4 | - | 5 | 8 | 7 | 8 | 8 | 8 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 6 | 2 | - | - | - | - | - | - | 2 | 1 | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| P4 = 09 | 8 | 5 | 1 | - | 1 | - | 1* | 1* | 1 | - | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 8 | 6 | 6 | 4 | 1* | 2* | 3 | - | - | 9 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9+ | 7 | - | - | 5 | 2 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 1* |
| CE = 12 | 9 | 8 | 4 | 2 | 2 | 1 | - | - | - | - | - | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 |
| LU = 13 | 6 | 1 | - | - | - | - | - | - | - | - | 9 | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| G = 14 | 1 | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| I = 15 | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 6 | 4 |
| UA3 = 16 | 2 | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 9 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| UN = 17 | 7 | 8 | 5 | 4 | 1* | - | 6 | 8 | 7 | 8 | 9 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| UA9 = 18 | 3 | 3 | - | - | - | - | 3 | 8 | 6 | 6 | 7 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 7 | 4 | 1 | 1 |
| UA0 = 19 | 4 | 1 | - | - | - | - | 1 | 7 | 6 | 8* | 7* | 6 | 5 | 6 | 6 | 7 | 6 | 6 | 5 | 4 | 6* | 5 | 7 | 8 |
| 4X = 20 | 7 | 4 | 1 | - | 1* | - | 5 | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 |
| HZ = 21 | 7 | 7 | 4 | 4 | 1* | - | 7 | 9 | 8 | 7 | 7 | 7 | 8 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 9 | 6 | 1 | 1 | 7 | 6 | 4 | 3 | 8 | 5 | 4 | 5 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 |
| JT = 23 | 5 | 3 | 1 | 1 | 1* | - | 4 | 7 | 5 | 5 | 7 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 2 | 3* | 1 | 3 |
| VR2 = 24 | 9 | 8 | 7 | 2 | 1* | - | 4 | 4 | 5 | 6* | 6* | 5* | 3* | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 3 | 7 |
| JA1 = 25 | 4 | - | - | - | - | - | 2 | 7 | 5 | 8* | 7* | 5 | 5 | 6 | 7 | 8 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 8 |
| HS = 26 | 7 | 8 | 4 | 2* | 1* | - | 4 | 6 | 8 | 7 | 6 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 7 | 6 | 5 | 2 | 1* | 1 |
| DU = 27 | 8 | 8 | 5 | 2* | 1* | 1* | 2 | 7 | 5 | 7* | 7* | 5* | 3 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 2 | 4* | 2* | 9 |
| YB = 28 | 5 | 2* | 1* | - | - | - | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 2 | 2* | - | - | 1 | 2 | - | - | 1* |
| VK6 = 29 | 1* | - | - | - | - | - | - | 2 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | 1* | 1* | - | - | - | 2* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 8 | 4* | 2* | 1* | - | - | - | - | - | - | - | - | 3* | 2* | 2* | 1* |
| KH6 = 31 | 6 | 6 | 2 | 1 | 4 | - | - | 5* | 5* | 8 | 8 | 6 | 2* | 2* | 2* | 2* | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 6 |
| KH8 = 32 | 3 | 2 | 1 | 1 | 6 | 5 | 2* | 3* | 3* | 3* | 4* | 4* | 3* | 2* | 3* | 2* | - | 5 | 7 | 8* | 7 | 6 | 5 | 4* |
| CN = 33 | - | - | - | - | - | - | - | - | 9+ | 9+ | 8 | 6 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | - | - |
| SU = 34 | 6 | 2 | - | - | 1* | - | 5 | 9+ | 8 | 5 | 5 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 |
| 6W = 35 | 5 | - | - | 3 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| D2 = 36 | 6 | 5 | 8 | 5 | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| 5Z = 37 | 1 | - | - | 2* | 2* | - | 5 | 9+ | 9 | 9 | 8 | 7 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5 | 3 | 4 | 2 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 8 | 5 | - | - | - | - | - |
| FR = 39 | - | - | 1* | - | - | - | 6 | 6 | 8 | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 4 | 3 | 1 | - | 1 | - | - | - |
| FJL = 40 | - | - | - | 2 | - | - | - | 5 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 8 | 7 | 8 | 8 | 6 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: May, Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | - | - | - | - | 4* | 3* | 1* | - | - | - | - | - | - | - | 1* | 2* | - | - | - | - |
| VO2 = 02 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 1 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| W6 = 03 | 6 | 2 | - | - | - | - | - | - | 2* | 1* | 1* | - | - | - | - | - | 2* | 5* | 5 | 6 | 7 | 7 | 8 | 8 |
| W9 = 04 | 4 | 1 | - | - | 1 | - | - | - | - | - | - | - | 4 | 5 | 2 | 3 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 7 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 2 | 2 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 4 |
| XE1 = 06 | 5 | 2 | - | - | 1 | - | - | - | - | 4 | - | - | 5 | 7 | 8 | 6 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 7 |
| TI = 07 | 4 | 1 | - | - | 1 | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 5 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 2 | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 2 |
| P4 = 09 | 1 | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 5 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 5 |
| HC = 10 | 8 | 7 | 4 | 1 | 2 | - | - | 1* | - | - | - | 4 | 8 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9 | 9 | 6 | 5 | 8 | 1 | - | - | - | 9+ | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9+ | 9 |
| CE = 12 | 2 | 1 | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9+ | 8 | 5* |
| LU = 13 | 1 | - | - | - | - | - | - | - | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | 5 | 5 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 8 | 9 | 8 | 5 | 1 |
| I = 15 | - | - | - | - | - | - | - | - | 9 | 6 | 5 | 8 | 3 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 2 | 7 | 7 | 8 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 3 | - |
| UN = 17 | 2 | 4 | - | - | - | - | 5 | 8 | 7 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | 5 | 8 | 7 | 7 | 3 | 2 | 3 | 4 | 5 | 4 | 6 | 8 | 6 | 2 | 2* | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | 5 | 6 | 7* | 7* | 6 | 6 | 5 | 5 | 3 | 1 | 1 | - | - | 4* | 1* | 1 | 3 |
| 4X = 20 | - | - | - | - | - | - | 1 | 9 | 9 | 7 | 5 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 1 | 1 |
| HZ = 21 | 1 | 3 | - | - | 1* | - | 5 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| VU = 22 | 4 | 4 | 4 | 1 | - | - | 6 | 8 | 6 | 5 | 5 | 6 | 7 | 8 | 7 | 8 | 9 | 6 | 1 | - | 4 | 3 | 2 | 1 |
| JT = 23 | - | - | - | - | - | - | 2 | 7 | 7 | 6 | 6 | 5 | 6 | 6 | 6 | 7 | 8 | 7 | 5 | 1 | - | 2* | - | - |
| VR2 = 24 | 8 | 6 | 2 | - | - | - | 2 | 5 | 4 | 4 | 7* | 5* | 6 | 5 | 8 | 8 | 7 | 7 | 7 | 6 | 3 | - | 5* | 4* |
| JA1 = 25 | - | - | - | - | - | - | 1 | 6 | 6 | 8* | 8* | 6 | 6 | 6 | 5 | 6 | 5 | 3 | 1 | - | 3* | 4 | 7 | 5 |
| HS = 26 | 4* | 4* | 2* | - | - | - | 4 | 6 | 7 | 6 | 6 | 3 | 6 | 6 | 7 | 8 | 7 | 4 | - | - | - | - | - | 4* |
| DU = 27 | 5 | 5* | 2* | 1* | 1* | - | 1 | 5 | 6 | 6* | 8* | 5* | 5 | 5 | 8 | 6 | 4 | 3 | 2 | 3 | - | - | 4* | 7 |
| YB = 28 | 1* | 1* | - | - | - | - | - | 4 | 5 | 6 | 7 | 7 | 7 | 6 | 2* | 1* | - | - | - | - | - | - | - | 2* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 5* | 2* | - | - | - | - | - | - | - | - | - | - | - | 5* | 3* | 1* |
| KH6 = 31 | 3 | 1 | - | - | - | - | - | 1* | 6* | 7 | 5 | 3 | 1* | 1* | 1* | - | 2 | 6 | 8 | 8 | 6 | 6 | 6 | 5 |
| KH8 = 32 | - | - | - | - | 3 | - | 1* | 5* | 5* | 5* | 5* | 4* | 2* | 1* | 1* | - | - | - | 7 | 8 | 8 | 6 | 4* | 2* |
| CN = 33 | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 1 | - | - |
| SU = 34 | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 1 | 2 |
| 6W = 35 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 |
| D2 = 36 | - | - | 4 | - | - | - | 3 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | 1 |
| 5Z = 37 | - | - | - | 1* | 1* | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5 | 3* | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 7 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | - | 8 | 8 | 7 | 7 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | - | 5 | 3 | 2 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: May, Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 4 | 5 | 7 | 8 | 7 | 5 | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 1 | 2 | 2 | 2 | 6 | 1 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 6 | 6 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 6 | 8 | 2 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 7 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 5 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 8 | 1 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 1 | 3 | 7 | 9 | 9 | 9 | 3 | - |
| HC = 10 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 4 |
| PY1 = 11 | 7 | 2 | - | - | 3 | - | - | - | - | 7 | - | 1 | 1 | 1 | 1 | 1 | 7 | 8 | 9 | 8 | 5 | 4* | 8 | 2 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 1 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 9 | 3* | 1* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 2 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 4* | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 7 | 3 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 1* | - | 1 | - | - | - | 2 | 4 | 7 | 9+ | 9 | 6 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - | - | 1 | 1 | 4 | 8 | 8 | 6 | 3 | - | - |
| UN = 17 | - | - | - | - | - | - | 1 | 5 | 8 | 7 | 8 | 6 | 6 | 6 | 7 | 8 | 7 | 8 | 7 | 6 | 5 | 1 | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 5 | 3 | 2* | 2* | 1* | - | - | - | - | 1 | 2 | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 1 | 2* | 7* | 3* | 1 | 1 | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 1 | 1 | 1 | 6 | 8 | 5 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 1 | 1 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 2 | 1 | 1 |
| VU = 22 | 1* | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | 1 | 3 | 1 | 6* | 5* | 2* | 1 | 2 | 1 | 3 | 1 | - | - | - | - | - | - |
| VR2 = 24 | 5 | 1 | - | - | - | - | 1 | 4 | 6 | 6 | 8* | 6* | 7 | 8 | 8 | 6 | 3 | 2 | 2 | 1 | - | - | 1* | 3* |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1 | 2 | 8* | 5 | 3 | 2 | - | - | 1 | - | - | - | - | 1* | 2 | - |
| HS = 26 | 3* | 2* | - | - | - | - | - | 2 | 7 | 8 | 8 | 6* | 5 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | 3* |
| DU = 27 | 4* | 2* | - | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | 5* | 5* |
| YB = 28 | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 7 | 3* | 2* | - | - | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 1 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 4* | 2 | 1 | - | 1* | - | - | - | - | 1 | 4 | 2 | 5 | 6 | 3 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 2* | 6* | 5* | 3* | 1* | - | - | - | - | - | - | 6 | 8 | 8 | 5* | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 3 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 3 | 4 | 9 | 9 | 9 | 9+ | 9+ | 9 | 1 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 9 | 9 | 6 | 7 | 7 | 6 | 7 | 7 | 8 | 9 | 9+ | 9+ | 7 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 7 | 1* | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - | 2 | 6 | 5 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | 1 | 4* | 3* | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: May, Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 5 | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 7 | 1 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 4 | 6 | 8 | 8 | 9 | 4 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 2 | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4 | 5 | 8 | 9 | 9 | 8 | 4 | - |
| PY1 = 11 | 2 | - | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 9 | 8 | 8 | 2* | 3* | 4* | 4* | 4* | 9 | 1 | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 1 | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9+ | 9 | 4 | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 3 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 1 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 2 | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 4 | 2 | 2 | 3* | 2* | 2* | 2 | 2 | 1 | 5 | 4 | 2 | 1 | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 9 | 2 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 1 | 2 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 2 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 1* | 3* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | 5 | 6 | 6 | 7 | 7 | 8 | 4 | 2 | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | 3* | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | 1* | - | - | - | - | - | - | - | 4 | 5 | 8 | 7 | 8 | 8 | 8 | 1 | - | - | - | - | - | - | - | - |
| DU = 27 | 1* | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | 1* |
| YB = 28 | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 3* | 1* | 1* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 3* | 1* | - | - | - | - | - | - | - | - | - | 7 | 7 | - | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | 1* | 3 | 4 | 6 | 8 | 5 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 1 | 1 | - | 1 | 3 | 3 | 2 | 1 | 2 | 6 | 7 | 5 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 3 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 9 | 9 | 9 | 6 | 6 | 5 | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jun., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 3 | 5 | 6 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W6 = 03 | - | - | - | - | 1 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 4 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 3 | 5 | 5 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 3 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| P4 = 09 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 | 6 |
| CE = 12 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 4 |
| G = 14 | 4 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 |
| I = 15 | 4 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 |
| UA3 = 16 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| HZ = 21 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 4 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | 2 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 5 |
| SU = 34 | 4 | 3 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 | 9 | 9 |
| FR = 39 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jun., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| W6 = 03 | - | - | - | 1 | 4 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | 1 | 4 | 6 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| P4 = 09 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 6 | 6 | 6 | 7 | 6 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 9 |
| CE = 12 | 6 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 7 | 7 |
| G = 14 | 7 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 5 | 6 |
| I = 15 | 7 | 8 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 |
| UA3 = 16 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 8 | 8 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 |
| HZ = 21 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 7 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 2 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 1 | - |
| KH6 = 31 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 8 |
| SU = 34 | 7 | 6 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| FJL = 40 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jun., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | 1 | 2 | 2 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 8 |
| W6 = 03 | 1 | 2 | 5 | 6 | 7 | 7 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 7 | 2 | - | - | - | - | - | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 7 | 4 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 5 | 8 | 8 | 8 |
| UN = 17 | 8 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 7 | 8 | 8 |
| UA9 = 18 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 6 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 3 | 1 | - | - |
| 4X = 20 | 8 | 9 | 8 | 8 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 6 | 7 | 5 | 3 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 7 | 3 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 3 | 1 | - | - |
| HS = 26 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 7 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 6 | 6 | 5 | 2 |
| YB = 28 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 1 | - | - | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 7 | 7 | 3 |
| KH6 = 31 | - | - | - | 1 | 5 | 6 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 6 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9 | 9 | 8 | 5 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 8 | 5 | 3 | 1 | 1 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 5 | 6 | 8 | 7 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 | 9 | 8 | 8 |
| FJL = 40 | 6 | 6 | 4 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jun., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 3 | 4 | 5 | 3 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 7 | 5 | 4 | 7 | 7 | 5 | 1 | 1 | 1 | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 8 | 8 |
| W6 = 03 | 3 | 5 | 6 | 7 | 7 | 6 | 2 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 8 | 8 | 7 | 6 | 2 | 6 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 3 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 7 | 3 | 5 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | 2 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 8 | 4 | - | 1 | 8 | 8 | 5 | 2 | 1 | - | - | - | 1 | 1 | 2 | 5 | 7 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 8 | 8 | 5 | - | - | 8 | 7 | 6 | 2 | 1 | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 3 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9 | 9 | 8 | 8 | 6 | 9 | 9 | 5 | 9 | 9 | 7 | 4 | 2 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 8 | 9 | 9 | 9 | 8 | 3 | 1 | 2 | 1 | 6 | 4 | 1 | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 1 | 3 | 8 | 8 | 5 | 1 | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 8 | 7 | 1 | - | 4 | 5 | 1 | 1 | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 8 | 5 | - | - | 6 | 6 | 2 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 6 | - | - | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 8 | 8 | 8 |
| UN = 17 | 7 | 6 | 5 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 7 | 7 | 8 | 8 |
| UA9 = 18 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 7 | 7 | 6 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 5 | 2 | 1 |
| 4X = 20 | 8 | 8 | 9 | 8 | 1 | 2 | 4 | 2 | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| HZ = 21 | 8 | 8 | 7 | 7 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 7 | 8 | 8 | 9 | 8 | 8 |
| VU = 22 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 6 | 6 | 7 |
| VR2 = 24 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 7 | 6 | 6 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 2 | 4 | 5 | 2 | 5 | 2 | - |
| HS = 26 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 8 | 8 | 6 | 5 |
| DU = 27 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 7 | 5 |
| YB = 28 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 | 6 |
| VK6 = 29 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 7 | 6 | 5 | 6 |
| VK3 = 30 | 4 | 3 | 1 | 1 | - | 1 | 2 | 5 | 4 | 3 | 1 | - | - | - | - | - | 1 | 5 | 5 | 5 | 2 | 3 | 6 | 5 |
| KH6 = 31 | - | - | 1 | 5 | 5 | 5 | 1 | 4 | 8 | 5 | 2 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | 1 | 5 | 6 | 7 | 4 | 4 | 8 | 5 | 3 | - | - | - | - | - | - | 1* | 2* | 2* | - | - | - | - |
| CN = 33 | 9 | 9 | 6 | 4 | - | - | 2 | 8 | 6 | 4 | 3 | 1 | - | - | - | 1 | 3 | 6 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 1 | 3 | 5 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9 | 8 | 2 | 6 | 9+ | 9 | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9 | 8 | 6 | 4 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 7 | 1 | 1 | 4 | 7 | 5 | 1 | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 4 | 5 | 5 | 1 | - | - | 8 | 8 | 7 | 3 | 1 | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 6 | 5 | 5 | 5 |
| FR = 39 | 6 | 4 | 2 | 4 | 2 | 4 | 4 | 2 | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 | 5 | 6 | 6 |
| FJL = 40 | 6 | 8 | 7 | 6 | 3 | 1 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 | 7 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jun., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 5 | 1 | 4 | 3 | - | - | 2 | 7 | 6 | 5 | 4 | 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 7 | 7 | 8 |
| VO2 = 02 | 9 | 9 | 7 | 2 | 3 | - | - | 5 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 7 | 5 | 3 | 4 | 1 | - | 2* | 5 | 2 | 1* | - | 2 | 2 | 1 | 1 | 1 | 4 | 2 | 2 | 4 | 5 | 6 | 7 |
| W9 = 04 | 9 | 9 | 8 | 5 | 6 | 1 | - | 2* | 5 | 6 | 6 | 8 | 2 | 5 | 5 | 5 | 6 | 6 | 5 | 6 | 7 | 8 | 9 | 9 |
| W3 = 05 | 8 | 8 | 6 | 2 | 4 | - | - | 1 | 6 | 5 | 8 | 7 | 7 | 6 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 8 | 6 | 6 | 2 | 1* | 2* | 8 | 9 | 6 | 7 | 4 | 5 | 4 | 4 | 3 | 5 | 2 | 4 | 5 | 7 | 9 | 9 |
| TI = 07 | 9 | 9 | 7 | 5 | 5 | 1 | 1* | 2* | 2 | 8 | 6 | 7 | 5 | 6 | 5 | 3 | 4 | 6 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 8 | 3 | - | 1 | - | 1* | - | 5 | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 7 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 9 | 6 | 1 | 1 | - | 1* | 1* | 2 | 9 | 9 | 8 | 7 | 6 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 7 | 7 | 4 | 1* | 1* | 6 | 4 | 8 | 8 | 5 | 3 | 4 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 6 | 9+ | 9+ | 9+ | 9+ | 9 | 4 | 2 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 |
| CE = 12 | 9 | 9 | 7 | 5 | 6 | 4 | - | - | - | - | 2 | 8 | 7 | 5 | 4 | 3 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9 | 9+ |
| LU = 13 | 7 | 5 | 1 | 1 | 3 | 1 | - | - | - | 1 | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 7 |
| G = 14 | 9 | 2 | - | - | - | - | - | 1 | 8 | 5 | 5 | 3 | 2 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| I = 15 | 8 | 3 | - | - | - | - | - | 9 | 6 | 8 | 6 | 4 | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 9 | 7 | 2 | 1 | - | - | 4 | 7 | 6 | 7 | 4 | 4 | 3 | 4 | 5 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 8 | 5 | - | 1 | 5 | 2 | 1 | 1 | - | - | 1 | 1 | 3 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 9 | 7 | 4 | 1 | - | - | 2 | 3 | 1 | 3 | 1 | 1 | - | 2 | 1 | 2 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA0 = 19 | 7 | 4 | 1 | - | - | - | 1 | 1 | 5* | 9 | 4* | 2* | 1* | 1* | 1 | 1 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| 4X = 20 | 9 | 9 | 5 | 2 | - | - | 8 | 8 | 6 | 5 | 4 | 2 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| HZ = 21 | 8 | 8 | 5 | 6 | 1* | 2 | 7 | 7 | 5 | 3 | 3 | 1 | 1 | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 9 | 9 | 9 | 7 | 1 | 2 | 4 | 2 | 1 | - | - | - | 1 | 1 | 4 | 6 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 7 | 5 | 1 | - | - | 3 | 1 | 1 | 2* | 1* | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 8 | 8 | 8 |
| VR2 = 24 | 8 | 8 | 5 | 1 | - | - | - | - | - | 3* | 2* | 1* | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| JA1 = 25 | 5 | 3 | 1 | - | - | - | 1 | 1 | 8 | 8 | 5* | 3* | 1* | 1* | 1 | 2 | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 6 |
| HS = 26 | 7 | 8 | 7 | 3 | - | - | 1 | 1 | 1 | 1* | 2 | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 8 | 6 | 2 | 1* | 1* |
| DU = 27 | 8 | 7 | 4 | - | - | - | - | - | - | 8 | 4* | 2* | 1* | - | 2 | 6 | 8 | 8 | 8 | 8 | 8 | 3 | 4 | 9 |
| YB = 28 | 5 | 2 | 1 | - | - | - | 1 | 1 | 1 | 8 | 1 | 1 | 2 | 3 | 5 | 7 | 8 | 8 | 6 | 7 | 7 | 7 | 1 | 1 |
| VK6 = 29 | 1 | 1* | 1 | 1 | - | - | 1 | 6 | 6 | 7 | 4 | 4 | 3 | - | - | - | - | 2* | 1* | 1* | - | 1* | 1* | 1* |
| VK3 = 30 | 1 | - | 1 | 1 | - | - | - | 5 | 8 | 5 | 2* | - | - | - | - | - | - | 1 | 1 | 1* | 1* | 1* | 2 | 3 |
| KH6 = 31 | 3 | 4 | 5 | 2 | 4 | 1 | 1* | 3* | 7 | 9 | 8 | 6 | 3 | 1* | 1* | 2* | 2* | 9 | 5* | 5* | 1* | - | 1 | 1 |
| KH8 = 32 | 2 | 3 | 1 | 4 | 7 | 5 | 3* | 2* | 6 | 4 | 1 | 1 | 1 | - | - | 1* | - | 5 | 5 | 6* | 5* | 4 | 3 | 2 |
| CN = 33 | 2 | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| SU = 34 | 9 | 8 | 4 | 1 | - | - | 8 | 8 | 7 | 5 | 4 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| 6W = 35 | 9+ | 8 | 2 | 5 | - | - | - | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9 | 9 | 9 | 8 | 1 | 1 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 4 | 3 | - | 1* | 1* | - | 7 | 9 | 8 | 6 | 3 | 3 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 5 |
| ZS6 = 38 | - | - | - | - | 1* | - | 1 | 9+ | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 8 | 1 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 5 | 8 | 5 | 5 | 4 | 4 | 4 | 4 | 6 | 8 | 8 | 5 | 3 | 2 | 2 | - | 1 | - |
| FJL = 40 | 9 | 7 | 2 | 3 | - | - | 2 | 8 | 7 | 6 | 5 | 5 | 4 | 3 | 3 | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jun., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | - | - | - | - | - | - | - | 7* | 6* | 5* | 2* | 1* | - | - | - | - | 2* | 6* | 3 | 4 | - | 5 | 6 |
| VO2 = 02 | 7 | 3 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 7 | 2 | - | - | - | - | - | 3* | 5* | 4* | 2* | 1* | - | - | 5 | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 8 |
| W9 = 04 | 7 | 4 | - | - | - | - | - | 1* | - | - | - | 3 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 5 | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 8 | 6 | 1 | - | - | - | - | 5* | 3* | 6 | 1* | 1 | 8 | 8 | 7 | 8 | 9 | 8 | 6 | 7 | 8 | 9 | 9 | 9 |
| TI = 07 | 6 | 4 | 1 | - | - | - | - | 4* | 1* | 4 | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 2 | - | - | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 |
| P4 = 09 | 5 | 1 | - | - | - | - | - | 1* | - | - | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| HC = 10 | 9 | 8 | 5 | 1 | 2 | - | 1* | 2* | 1 | - | 1 | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9 | 9 | 7 | 6 | 8 | 4 | - | - | - | - | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2* | 9 |
| CE = 12 | 2 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 3* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 3* | 2* |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 9 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 4 |
| I = 15 | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 7 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 3 |
| UA3 = 16 | 1 | - | - | - | - | - | - | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |
| UN = 17 | 5 | 8 | 5 | 1 | - | - | 5 | 8 | 7 | 9 | 9 | 9 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| UA9 = 18 | 3 | 1 | - | - | - | - | 1 | 7 | 8 | 7 | 8 | 8 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 |
| UA0 = 19 | 3 | - | - | - | - | - | - | 6 | 5 | 7* | 7* | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 6 | 4 | 6* | 4 | 6 | 7 |
| 4X = 20 | 1 | - | - | - | - | - | 2 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 5 | 2 |
| HZ = 21 | 1* | 2 | - | 1 | - | - | 6 | 8 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| VU = 22 | 8 | 8 | 8 | 4 | - | - | 7 | 7 | 4 | 3 | 9 | 9 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 8 |
| JT = 23 | 7 | 4 | 1 | - | - | - | 2 | 7 | 6 | 7 | 8 | 8 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 4* | 1 | 2 |
| VR2 = 24 | 9 | 8 | 5 | 1 | - | - | 2 | 5 | 7 | 6* | 6* | 5 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 2 | 8 |
| JA1 = 25 | 4 | 1 | - | - | - | - | 1 | 6 | 5 | 8* | 8* | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 7 | 5 | 6 | 8 | 9 | 7 |
| HS = 26 | 2 | 6 | 2 | - | - | - | 3 | 6 | 8 | 7 | 7 | 6 | 5 | 7 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | 2* |
| DU = 27 | 7 | 6 | 2 | - | - | - | 2 | 7 | 6 | 8* | 7* | 5* | 3 | 6 | 8 | 8 | 7 | 5 | 4 | 2 | - | 2* | 3* | 8 |
| YB = 28 | 1* | 1* | - | - | - | - | 1 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 4 | 3 | 1 | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | 4 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 6* | 1* | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 2* | 1* |
| KH6 = 31 | 5 | 1 | - | - | - | - | - | 5* | 6* | 9 | 8 | 7 | 2* | 1* | 2* | 1* | 6 | 7 | 7 | 7 | 6 | 6 | 5 | 4 |
| KH8 = 32 | 2* | 1* | - | - | 1 | 1 | 1* | 3* | 2* | 3* | 4* | 3* | 1* | - | - | - | - | 1 | 8 | 8 | 8 | 7 | 5* | 3* |
| CN = 33 | - | - | - | - | - | - | - | - | 9 | 9 | 4 | 5 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | - |
| SU = 34 | - | - | - | - | - | - | 2 | 9+ | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | 1 |
| 6W = 35 | 3 | - | - | - | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| D2 = 36 | 3 | 2 | 1 | 1 | - | - | 5 | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 2 | 5 |
| 5Z = 37 | - | - | - | - | - | - | 1 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 2* | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | 1 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 7 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 7 | 7 | 8 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - |
| FJL = 40 | 1 | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 7 | 8 | 8 | 6 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jun., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | 2* | 5* | 3* | 1* | - | - | - | - | - | - | 2* | - | - | - | - | 1 |
| VO2 = 02 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 5 |
| W6 = 03 | 2 | - | - | - | - | - | - | - | 4* | 2* | 1* | - | - | - | 2 | 3 | 2 | 5* | 7 | 6 | 6 | 7 | 7 | 2 |
| W9 = 04 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 4 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 4 | 5 | 6 | 7 | 7 | 6 | 7 | 8 | 9 | 7 | 1 |
| XE1 = 06 | 2 | - | - | - | - | - | - | 1* | - | 1 | - | - | 1 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 5 |
| TI = 07 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 7 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 6 | 1 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 3 | 9 | 6 | 6 | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 7 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 6 | 3 | 1 | 2 | 7 | 9 | 9+ | 9+ | 9+ | 8 | - |
| HC = 10 | 5 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 5 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 6 |
| PY1 = 11 | 7 | 3 | - | - | 3 | - | - | - | - | 9 | 4 | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 3* | 9 | 5 |
| CE = 12 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9+ | 5* | 4* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | 2* | - |
| G = 14 | - | - | - | - | - | - | - | - | 8 | 8 | 5 | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | - |
| I = 15 | - | - | - | - | - | - | - | - | 8 | 4 | 5 | 3 | 2 | 2 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9 | 6 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 6 | 5 | 4 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 3 | - |
| UN = 17 | - | 3 | - | - | - | - | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - |
| UA9 = 18 | - | - | - | - | - | - | - | 3 | 7 | 7 | 6 | 4 | 1 | 1* | 1 | 2* | 4 | 5 | 4 | 1 | 2 | 1* | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | 1 | 2 | 5* | 8* | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | 4* | - | - | 1 |
| 4X = 20 | - | - | - | - | - | - | - | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 1 | - | - |
| HZ = 21 | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - |
| VU = 22 | 5 | 4 | 2 | - | - | - | 5 | 8 | 7 | 5 | 5 | 6 | 7 | 8 | 7 | 8 | 9 | 9 | 5 | 3 | 3 | 3 | 2 | 1 |
| JT = 23 | 2 | - | - | - | - | - | - | 6 | 6 | 5 | 6* | 5 | 4 | 5 | 5 | 7 | 8 | 7 | 5 | 1 | - | 1* | - | - |
| VR2 = 24 | 8 | 5 | 1 | - | - | - | 1 | 5 | 4 | 4 | 8* | 5* | 6 | 7 | 8 | 8 | 7 | 6 | 6 | 5 | 1 | - | 3* | 4 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 4 | 1 | 6* | 8* | 6 | 6 | 6 | 7 | 8 | 7 | 3 | - | - | - | 2 | 7 | 4 |
| HS = 26 | 2* | 1 | - | - | - | - | 1 | 6 | 8 | 6 | 6 | 4 | 5 | 6 | 7 | 8 | 6 | 2 | - | - | - | - | - | 4* |
| DU = 27 | 3 | 1 | - | - | - | - | 1 | 5 | 6 | 6 | 8* | 5 | 5 | 8 | 7 | 3 | 1 | - | - | - | - | - | 4* | 4 |
| YB = 28 | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 | 7 | 4 | 1* | - | - | - | - | - | - | - | - | 2* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 2* | - |
| KH6 = 31 | 1 | - | - | - | - | - | - | 1* | 7* | 8 | 6 | 4 | 1* | 1* | 1* | - | 4 | 6 | 7 | 6 | 6 | 6 | 5 | 1 |
| KH8 = 32 | 1* | - | - | - | - | - | - | 5* | 5* | 4* | 2* | 1* | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 4* | 2* |
| CN = 33 | - | - | - | - | - | - | - | - | - | 2* | - | 1 | - | 1 | 2 | 3 | 6 | 8 | 9+ | 9+ | 9 | 3 | - | - |
| SU = 34 | - | - | - | - | - | - | - | 9 | 8 | 4 | 5 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 |
| D2 = 36 | - | - | - | - | - | - | - | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 4* | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 7 | 6 | 7 | 9 | 9 | 7 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 7 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | 1 | 1 | 1 | 1 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | | * = Longpath | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jun., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 4 | 4 | 5 | 7 | 8 | 5 | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 1 | 2 | 2 | 2 | 2 | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 4 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 1 | 1 | 3 | 6 | 1 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | 5 | 1 | 5 | 7 | 8 | 8 | 5 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 4 | 7 | 8 | 9 | 8 | 6 | 1 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 3 | 7 | 5 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1* | 1* | 1 | 5 | 7 | 5 | - | - |
| HC = 10 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 5 | 1 |
| PY1 = 11 | 1 | - | - | - | - | - | - | - | - | 4 | 9 | 2 | 2 | 1 | 1 | 1* | 1* | 2* | 3* | 4* | 4* | 9+ | 3 | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 1 | 2 | 3* | 4* | 8 | 9 | 9 | 5 | 1* | 1* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 8 | 1* | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 3 | 4 | 6 | 8 | 9 | 8 | 1 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 5 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 1 | - | - |
| UN = 17 | - | - | - | - | - | - | - | 4 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 6 | 8 | 7 | 6 | 5 | 3 | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 2 | 1 | 1* | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | 1* | 6* | 2* | - | - | - | - | - | - | - | - | 1* | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 2 | 1 | 4 | 7 | 9 | 9 | 9+ | 8 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - |
| VU = 22 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 3 | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | 1 | - | 4* | 6* | 2* | 1* | - | - | 1 | - | - | - | - | - | - | - |
| VR2 = 24 | 4 | - | - | - | - | - | - | 2 | 7 | 6 | 6* | 7 | 7 | 8 | 8 | 5 | 1 | 1 | 1 | - | - | - | 1* | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | 1* | 6* | 1 | 1 | - | 1 | 1 | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 7 | 8 | 9 | 8 | 7 | - | - | - | - | - | - | - | - |
| DU = 27 | 1* | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | 2* | 1* |
| YB = 28 | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 7 | 3* | 1* | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 3* | 4 | 2 | 1 | - | - | - | - | - | 3 | 5 | 4 | 5 | 5 | 1 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 1* | 6* | 2* | - | - | - | - | - | - | - | - | - | 7 | 8 | 2 | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 2 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | - | 2 | 5 | 7 | 9 | 9+ | 9 | 1 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 5 | 5 | 9 | 8 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 6 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 3 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 5 | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 3 | 3 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 2 | 1 | 3* | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jun., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 2 | 4 | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | 1 | 4 | 4 | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | 1 | 2 | 6 | 7 | 1 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 6 | 7 | 5 | 1 | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | 8 | - | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 4* | 5* | 9+ | 7 | - | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 9 | 9 | 7 | - | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 5 | 6 | 7 | 4 | 2* | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 3 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 1* | 1 | 2 | 5 | 1 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 7 | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 7 | 7 | 9 | 8 | 6 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 1* | 3* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | 4 | 6 | 8 | 7 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6* | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | 1 | 5 | - | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 2* | 4 | 2 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 4 | 3 | 1 | 1 | 3 | 6 | 4 | 3 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 1 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 2* | 3* | 4* | 3* | 2 | 1 | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jul., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W6 = 03 | - | - | - | - | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 3 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 6 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 2 | 4 | 5 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 4 | 5 | 5 | 5 | 6 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 6 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 9 |
| CE = 12 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 |
| G = 14 | 3 | 4 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 2 | 2 |
| I = 15 | 4 | 5 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | 4 | 4 |
| UA3 = 16 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 3 |
| UN = 17 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 3 |
| HZ = 21 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 6 |
| SU = 34 | 3 | 3 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jul., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| W6 = 03 | - | - | 1 | 3 | 6 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | 1 | 5 | 7 | 8 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| P4 = 09 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3 | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9+ |
| CE = 12 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 7 |
| G = 14 | 6 | 7 | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 5 | 5 |
| I = 15 | 7 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 6 | 7 | 7 |
| UA3 = 16 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 7 | 8 | 6 |
| UN = 17 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 6 |
| HZ = 21 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 1 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 2 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - |
| KH6 = 31 | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 |
| SU = 34 | 6 | 6 | 8 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jul., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | 1 | 2 | 3 | 4 | 5 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 |
| W6 = 03 | 1 | 5 | 6 | 6 | 8 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 7 | 4 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 6 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 2 | 1 | - |
| 4X = 20 | 8 | 8 | 8 | 8 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 7 | 5 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 1 | 1 | - |
| HS = 26 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 | 5 | 2 |
| YB = 28 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 | 8 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 2 |
| KH6 = 31 | - | - | - | 1 | 6 | 7 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 5 | 6 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 4 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 |
| SU = 34 | 9 | 8 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 8 | 6 | 3 | 1 | 1 | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 4 | 5 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 9 | 9 | 8 | 8 |
| FJL = 40 | 7 | 7 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jul., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 4 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 4 | 4 | 7 | 8 | 6 | 2 | 1 | 1 | - | - | - | - | 1 | 3 | 5 | 7 | 7 | 8 | 9 |
| W6 = 03 | 5 | 7 | 7 | 7 | 7 | 5 | 2 | 5 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | 7 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 7 |
| W3 = 05 | 9 | 8 | 8 | 7 | 7 | 6 | 2 | 6 | 8 | 5 | 5 | 2 | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 7 | 3 | 5 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | 2 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | 8 | 8 | 5 | 2 | 1 | - | - | - | 1 | 2 | 2 | 5 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 8 | 8 | 7 | 4 | - | - | 8 | 7 | 5 | 2 | 1 | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 |
| HC = 10 | 8 | 8 | 7 | 7 | 7 | 6 | 5 | 4 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9 | 9 | 8 | 8 | 6 | 9 | 9 | 5 | 9 | 8 | 6 | 3 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 8 | 8 | 7 | 8 | 8 | 4 | 1 | 3 | 2 | 5 | 3 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 8 | 9 | 8 | 2 | - | 2 | 8 | 7 | 4 | 1 | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| G = 14 | 9 | 8 | 8 | 6 | 1 | - | 3 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 8 | 8 | 4 | - | - | 6 | 6 | 2 | - | - | - | - | - | - | - | 2 | 6 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 7 | 6 | 1 | - | 3 | 1 | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 6 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 5 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 7 | 5 | 5 | 6 |
| UA0 = 19 | 2 | 1 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 6 | 6 | 3 | 1 |
| 4X = 20 | 8 | 8 | 8 | 2 | 2 | 3 | 5 | 2 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 7 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 8 |
| VU = 22 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 5 | 5 | 5 | 5 |
| VR2 = 24 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 7 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 4 | 3 | 4 | 4 | 4 | 4 | 1 |
| HS = 26 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 8 | 8 | 7 | 6 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 7 | 6 | 5 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 8 | 8 | 8 | 8 | 7 | 5 |
| VK6 = 29 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 5 | 3 | 5 |
| VK3 = 30 | 3 | 1 | 1 | 1 | - | - | 1 | 4 | 3 | 2 | - | - | - | - | - | - | 1 | 4 | 5 | 4 | 2 | 4 | 6 | 5 |
| KH6 = 31 | - | - | 1 | 5 | 5 | 5 | 1 | 4 | 5 | 5 | 2 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | 1 | 4 | 6 | 6 | 4 | 3 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 2* | 2* | - | - | - | - |
| CN = 33 | 9 | 7 | 5 | 4 | - | - | 1 | 8 | 6 | 5 | 3 | 1 | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 2 | 3 | 5 | 2 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9 | 9 | 7 | 2 | 6 | 9+ | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9 | 9 | 8 | 6 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 6 | 1 | 2 | 4 | 7 | 5 | 1 | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 2 | 3 | 5 | 1 | - | - | 5 | 8 | 6 | 2 | 1 | - | 1 | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 7 | 5 | 5 | 3 |
| FR = 39 | 5 | 2 | - | 2 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 8 | 8 | 7 | 5 | 5 |
| FJL = 40 | 7 | 8 | 8 | 7 | 4 | 1 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jul., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 4 | 1 | 4 | 2 | - | - | 1 | 7 | 5* | 4 | 4 | 2 | 2 | 2 | 4 | 4 | 9 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 8 | 6 | 5 | 5 | - | - | 5 | 2 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 7 | 2 | 1 | 3 | - | - | 3* | 4 | 2* | 1* | - | 1 | 3 | 2 | 2 | 4 | 4 | 2 | 3 | 4 | 5 | 6 | 8 |
| W9 = 04 | 9 | 8 | 5 | 4 | 5 | - | - | 2* | 3 | 5 | 2 | 7 | 5 | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 8 | 7 | 2 | 1 | 2 | - | - | 1 | 5 | 1 | 8 | 8 | 6 | 6 | 5 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 8 | 6 | 3 | 5 | 1 | 1* | 2* | 5 | 8 | 2 | 7 | 4 | 4 | 3 | 4 | 5 | 5 | 2 | 4 | 6 | 8 | 9 | 9 |
| TI = 07 | 8 | 7 | 5 | 2 | 4 | 1 | 1* | 2* | 2* | 7 | 2 | 7 | 5 | 6 | 5 | 5 | 5 | 3 | 5 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 7 | 3 | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 8 | 5 | 1 | - | - | - | 1* | 1* | 1* | 8 | 8 | 8 | 6 | 6 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 8 | 8 | 8 | 6 | 6 | 5 | 1 | 1* | 3 | 4 | 8 | 8 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 8 | 3 | 9+ | 9+ | 9+ | 9 | 4 | 2 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| CE = 12 | 9 | 9 | 6 | 4 | 6 | 3 | - | - | - | - | 1 | 8 | 7 | 5 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 5 | 1 | - | 2 | 1 | - | - | - | - | 9 | 9 | 8 | 4 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | 5 | - | - | - | - | - | - | 9 | 6 | 5 | 5 | 3 | 2 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 |
| I = 15 | 2 | - | - | - | - | - | - | 9 | 5 | 7 | 6 | 5 | 5 | 5 | 1 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | 5 | 1 | - | 1 | - | - | 3 | 7 | 7 | 5 | 3 | 4 | 4 | 5 | 5 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| UN = 17 | 9 | 9 | 8 | 6 | - | 1 | 5 | 2 | 1 | 1 | 1 | - | 1 | 2 | 4 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 8 | 5 | 3 | 1 | - | - | 2 | 3 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 |
| UA0 = 19 | 5 | 1 | - | - | - | - | 1 | 4 | 8 | 9 | 4* | 2* | 1* | - | 1 | 3 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 4X = 20 | 9 | 9 | 7 | 2 | - | - | 8 | 8 | 6 | 5 | 3 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 6 | 7 | 1 | 3 | 7 | 7 | 5 | 4 | 2 | 1 | 2 | 3 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 9 | 9 | 9 | 8 | 2 | 3 | 4 | 2 | 1 | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 6 | 5 | 1 | - | - | 4 | 2 | 1 | 2* | 1 | - | - | 1 | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 8 |
| VR2 = 24 | 8 | 8 | 5 | 2 | - | - | - | - | - | 4* | 2* | 1* | - | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| JA1 = 25 | 4 | 1 | - | - | - | - | 1 | 2 | 8 | 6* | 5* | 2* | 1* | 1* | 1 | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |
| HS = 26 | 7 | 8 | 7 | 4 | - | - | 2 | 2 | 1 | 1 | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 8 | 6 | 4 | 1* | 1 |
| DU = 27 | 8 | 7 | 4 | - | - | - | - | - | 1* | 5* | 4* | 2* | 1* | - | 2 | 6 | 8 | 8 | 8 | 8 | 6 | 1 | 2 | 8 |
| YB = 28 | 3 | 1 | - | - | - | - | 1 | 2 | - | 1* | 1* | 1 | 2 | 4 | 6 | 6 | 7 | 7 | 5 | 6 | 7 | 7 | 1 | 1 |
| VK6 = 29 | 1* | - | 1 | - | - | - | - | 5 | 7 | 8 | 3 | 2 | 3 | - | - | - | - | 1* | 1* | 1* | - | - | 1* | 1* |
| VK3 = 30 | 1 | - | - | 1 | - | - | - | 1 | 8 | 5 | 2* | - | - | - | - | - | - | - | - | - | 2* | 1* | 2 | 2* |
| KH6 = 31 | 3 | 4 | 2 | 1 | 2 | - | 1* | 3* | 5 | 9 | 8 | 6 | 3 | 1* | 1* | 2* | 2* | 8 | 5* | 6* | 2* | - | 1 | 1 |
| KH8 = 32 | 4 | 3 | 1 | 2 | 6 | 5 | 2* | 2* | 4 | 3 | 1 | - | - | - | - | 1* | 1* | 6 | 6* | 6* | 5* | 3 | 2 | 2 |
| CN = 33 | - | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 3 |
| SU = 34 | 9 | 8 | 6 | 2 | - | - | 8 | 8 | 6 | 5 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 6W = 35 | 8 | 3 | - | 4 | - | - | - | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9 | 9 | 9 | 8 | 5 | 5 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 4 | 1 | - | 1* | 1* | - | 6 | 9 | 8 | 4 | 2 | 2 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 |
| ZS6 = 38 | - | - | - | - | - | - | - | 7 | 9 | 8 | 7 | 8 | 8 | 6 | 8 | 9 | 9 | 9+ | 8 | 3 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 6 | 8 | 7 | 5 | 4 | 5 | 5 | 6 | 8 | 8 | 7 | 6 | 2 | 5 | 4 | 2 | - | - |
| FJL = 40 | 8 | 5 | 2 | 4 | - | - | 1 | 8 | 7 | 9 | 6 | 6 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jul., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | 5* | 5* | 4* | 1* | - | - | - | - | - | 1* | 5* | 3* | 4 | 5 | 5 | 4 |
| VO2 = 02 | 6 | 1 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| W6 = 03 | 5 | 1 | - | - | - | - | - | 1* | 5* | 4* | 2* | - | - | - | 4 | 5 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| W9 = 04 | 5 | - | - | - | - | - | - | 1* | - | - | - | 1 | 8 | 8 | 7 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 5 |
| XE1 = 06 | 4 | 1 | - | - | - | - | - | 2* | 1* | 4 | - | - | 6 | 8 | 8 | 8 | 9 | 8 | 6 | 7 | 8 | 9 | 9 | 7 |
| TI = 07 | 2 | - | - | - | - | - | - | 1* | - | 1 | - | 1 | 5 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 4 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 5 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 2 |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | 8 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 3 |
| HC = 10 | 7 | 5 | 2 | - | 1 | - | - | 1* | - | - | 1 | 7 | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 7 | 5 | 8 | 5 | - | - | - | - | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | 9+ |
| CE = 12 | 4 | 1 | - | - | - | - | - | - | - | - | - | 6 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 6 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | 2 | 9+ | 9 | 9 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 | 2 |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 1 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 5 | - |
| I = 15 | - | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 5 | 4 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - |
| UA3 = 16 | - | - | - | - | - | - | - | 5 | 9 | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 1 |
| UN = 17 | 1 | 6 | 4 | 1 | - | - | 5 | 8 | 7 | 9 | 9 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 |
| UA9 = 18 | 3 | - | - | - | - | - | 1 | 7 | 8 | 7 | 8 | 9 | 5 | 5 | 8 | 7 | 8 | 8 | 8 | 6 | 7 | 3 | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | 6 | 6 | 7* | 7* | 6 | 6 | 6 | 6 | 7 | 5 | 3 | 1 | - | 4* | 2 | 2 | 2 |
| 4X = 20 | 2 | 1 | - | - | - | - | 3 | 9 | 8 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 5 | 7 |
| HZ = 21 | 7 | 4 | 1 | 2 | - | - | 7 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VU = 22 | 8 | 7 | 8 | 5 | - | 1 | 7 | 7 | 5 | 3 | 9 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 7 | 5 | 6 | 7 | 7 | 6 |
| JT = 23 | 2 | 1 | - | - | - | - | 2 | 8 | 6 | 7 | 7 | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 8 | 6 | 2 | 5* | - | 1 |
| VR2 = 24 | 9 | 7 | 5 | 2 | - | - | 3 | 7 | 6 | 6* | 6* | 4* | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | 2* | 7 |
| JA1 = 25 | - | - | - | - | - | - | 1 | 6 | 6 | 8* | 8* | 6 | 7 | 7 | 7 | 8 | 7 | 2 | - | - | 3 | 8 | 7 | 3 |
| HS = 26 | 2* | 4 | 2 | - | - | - | 3 | 7 | 8 | 7 | 7 | 5 | 7 | 7 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | 2* |
| DU = 27 | 7 | 5 | 3 | 1 | 1* | - | 2 | 7 | 7 | 8* | 7* | 4* | 5 | 7 | 8 | 8 | 5 | 4 | 2 | 1 | - | 1* | 2* | 7 |
| YB = 28 | - | - | - | - | - | - | - | 5 | 6 | 6 | 4 | 6 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 7 | 2* | - | - | - | - | - | - | - | - | - | - | - | 5* | 2* | - |
| KH6 = 31 | 2 | - | - | - | - | - | - | 1* | 6* | 9 | 8 | 6 | 2* | 2* | 2* | 1* | 5 | 7 | 7 | 7 | 6 | 6 | 5 | 4 |
| KH8 = 32 | - | - | - | - | 1 | - | 1* | 4* | 3* | 4* | 4* | 3* | 1* | - | - | - | - | - | 8 | 8* | 7 | 6 | 4* | 2* |
| CN = 33 | - | - | - | - | - | - | - | - | 4 | 8 | 2 | 4 | 9 | 9 | 5 | 6 | 8 | 9+ | 9+ | 9+ | 9+ | 7 | - | - |
| SU = 34 | 2 | - | - | - | - | - | 2 | 9+ | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 4 | 6 |
| 6W = 35 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 |
| D2 = 36 | 2 | 1 | 5 | 1 | - | - | 4 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 6 |
| 5Z = 37 | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | 2 | 8 | 8 | 8 | 8 | 7 | 6 | 7 | 6 | 3 | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 4 | 4 | 4 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 6 | 2 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jul., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 4* | 2* | - | - | - | - | - | - | - | 2* | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 2 | 6 | 7 | 8 | 7 | 7 | 8 | 6 | 8 | 7 | 1 |
| W6 = 03 | - | - | - | - | - | - | - | - | 2* | 2* | 1* | - | - | - | 1 | 1 | 5 | 4 | 6 | 6 | 6 | 6 | 7 | 2 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 3 | 4 | 1* | - | - | 6 | 7 | 7 | 1 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 4 | 5 | 8 | 8 | 5 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 8 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 7 | 7 | 8 | 9 | 8 | 9 | 9 | 8 | 6 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 7 | 2 | 4 | - | - | - | 2 | 8 | 9+ | 9+ | 9 | 2 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 4 | 1 | - | 1 | 5 | 9 | 9 | 9 | 9 | 4 | - |
| HC = 10 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 2 | 3 | 5 | 8 | 9 | 8 | 8 | 8 | 9 | 4 |
| PY1 = 11 | 8 | 4 | - | - | 2 | - | - | - | - | 9 | 2 | 8 | 9 | 8 | 7 | 6 | 8 | 9+ | 9+ | 9+ | 9 | 3 | 9+ | 8 |
| CE = 12 | 1* | - | - | - | - | - | - | - | - | - | - | - | 9 | 2 | 7 | 7 | 8 | 8 | 9 | 9+ | 9 | 9+ | 5 | 3* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 1* | - |
| G = 14 | - | - | - | - | - | - | - | - | 7 | 6 | 2 | 3 | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 6 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 5 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 5 | 8 | 9+ | 9 | 9 | 2 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 4 | 3 | 3 | 2 | 3 | 5 | 7 | 8 | 9 | 8 | 6 | - | - |
| UN = 17 | - | 1 | - | - | - | - | 3 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | 1 | 7 | 6 | 5* | 3 | 1* | 1* | 2 | 1 | 1 | 2 | 1 | - | - | 1* | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 1 | 4* | 8* | 4* | 2 | 3 | 2 | 1 | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 9 | 4 | 2 | 5 | 8 | 8 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9 | 4 | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 2 | 1 |
| VU = 22 | 3 | 2 | 3 | 1 | - | - | 5 | 8 | 8 | 7 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 1 | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | 6 | 5 | 5 | 6* | 5* | 3 | 3 | 6 | 6 | 6 | 4 | 1 | - | - | 1* | - | - |
| VR2 = 24 | 6 | 3 | 2 | - | - | - | 1 | 6 | 4 | 4 | 7* | 5* | 6 | 7 | 8 | 7 | 5 | 4 | 4 | 2 | - | - | 4* | 3* |
| JA1 = 25 | - | - | - | - | - | - | - | 3 | 2 | 4* | 8* | 6 | 5 | 5 | 5 | 3 | - | - | - | - | - | 2* | 1 | - |
| HS = 26 | 2* | 1* | - | - | - | - | 1 | 5 | 5 | 7 | 6 | 6 | 6 | 6 | 8 | 8 | 5 | 1 | - | - | - | - | - | 4* |
| DU = 27 | 3* | 1 | - | - | - | - | 1 | 5 | 7 | 4 | 8* | 5* | 6 | 8 | 7 | 2 | - | - | - | - | - | - | 5* | 4* |
| YB = 28 | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 | 4 | 1* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | 4 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 1* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 5* | 7 | 6 | 4 | 1* | 1* | - | - | 1 | 5 | 6 | 5 | 5 | 6 | 3 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 5* | 5* | 4* | 2* | - | - | - | - | - | - | - | 1 | 8 | 8 | 7 | 1 | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1* | - | - | 8 | 8 | - | 1 | 3 | 6 | 8 | 9 | 7 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 9 | 3 | - | 4 | 8 | 5 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9 | 5 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | 2 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - |
| D2 = 36 | - | - | - | - | - | - | - | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 1 | 2 | 2* | 1 | 2 | 5 | 6 | 4 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 4 | 4 | 5 | 3 | 1 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jul., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 2 | 2 | 3 | 1 | 2 | 1 | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | 1 | 1 | 1 | 1 | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 2 | 1* | 3 | 6 | 8 | 7 | 1 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 3 | 6 | 8 | 9 | 9 | 5 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 3 | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9 | 8 | 4 | - |
| PY1 = 11 | 2 | - | - | - | - | - | - | - | - | 2 | - | - | 1 | 1 | 1* | 1* | 2* | 2* | 4* | 4* | 4* | 9+ | 6 | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 3 | 8 | 9 | 9 | 9 | 2 | 9 | 6 | 1* | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | 8 | 8 | 9 | 9 | 9+ | 7 | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 2 | 5 | 6 | 5 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 2 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 2 | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | 4 | 5 | 7 | 5 | 4 | 4 | 3 | 4 | 6 | 6 | 6 | 4 | 2 | 1 | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | - | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | 3* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 1* | 2 | 3 | 6 | 9 | 4 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | 1 | - | 6 | 7 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 3 | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 1 | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 2* | 5* | 2* | 1* | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 1 | - | - | - | - | - | - | 3 | 7 | 7 | 7 | 6 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | 4* | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 7 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | 1* | 1* |
| YB = 28 | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 | 3* | 1* | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | 1 | 4 | 3 | 2 | 4 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | 2* | 5* | 1* | - | - | - | - | - | - | - | - | - | 2 | 7 | 2 | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | - | - | - | 1* | 3 | 2 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1 | 2* | 4 | 7 | 6 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 7 | 7 | 7 | 6 | 7 | 8 | 8 | 8 | 1 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 7 | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jul., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | 1 | 4 | 7 | - | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 4 | 6 | 4 | - | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | - | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 7 | 8 | 9 | 6 | - | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 1 | 1* | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | - | 2 | 1 | 1 | 1* | 1* | 1* | 1 | 1 | 1 | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 5 | 5 | 7 | 8 | 8 | 9 | 5 | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 6 | 5 | 5 | 8 | 8 | 3 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 6 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 4 | 7 | 6 | 1 | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | 1 | 1 | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - | - | - | - | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 | 5 | 3 | 1 | 4 | 2 | 1 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | 6 | 7 | 6 | 5 | 4 | 4 | 7 | 8 | 8 | 8 | 2 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 3* | 2* | 2* | 2* | 1 | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Aug., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| W6 = 03 | - | - | - | 1 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 4 | 5 | 5 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 2 | 4 | 5 | 5 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 5 | 4 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 4 | 5 | 5 | 5 | 5 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 3 | 3 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 |
| G = 14 | 4 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| UA3 = 16 | 3 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| HZ = 21 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| VU = 22 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 5 | 5 |
| SU = 34 | 4 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 |
| ZS6 = 38 | 9 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 9 | 9 |
| FR = 39 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Aug., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| W6 = 03 | - | - | 2 | 4 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 7 | 8 | 8 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| XE1 = 06 | 2 | 5 | 7 | 8 | 8 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 8 | 7 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| P4 = 09 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 6 | 6 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | |
| G = 14 | 7 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 7 | 7 |
| UA3 = 16 | 6 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 |
| UN = 17 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 6 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 6 |
| HZ = 21 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 |
| VU = 22 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 5 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 8 | 8 |
| SU = 34 | 7 | 7 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 8 | 8 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 5 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Aug., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 3 | 4 | 5 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 |
| W6 = 03 | 2 | 4 | 8 | 7 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| XE1 = 06 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 |
| HC = 10 | 8 | 7 | 8 | 9 | 8 | 8 | 7 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 8 | 5 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 3 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 3 | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 9 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 5 | 8 | 8 |
| UN = 17 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 5 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 4 | 5 | 2 | 1 |
| 4X = 20 | 8 | 8 | 8 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 | 6 | 5 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 2 | 4 | 1 | - |
| HS = 26 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 5 | 2 |
| YB = 28 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 7 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 2 | 1 |
| KH6 = 31 | - | - | - | 1 | 6 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 5 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 2 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 8 | 6 | 4 | 1 | 1 | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | 1 | 3 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 8 |
| FJL = 40 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Aug., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 6 | 7 | 6 | 3 | 3 | 6 | 5 | 3 | 2 | - | - | - | - | - | - | - | 1* | - | 1 | 1 | 1 | 2 |
| VO2 = 02 | 9 | 9 | 8 | 8 | 7 | 4 | 2 | 6 | 6 | 6 | 2 | 1 | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 8 | 9 |
| W6 = 03 | 5 | 6 | 7 | 8 | 8 | 6 | 2 | 5 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W9 = 04 | 8 | 8 | 9 | 8 | 8 | 7 | 4 | 6 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | 5 | 6 | 6 | 2 | 2 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| TI = 07 | 9 | 8 | 9 | 8 | 8 | 8 | 4 | 3 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 8 | 5 | - | 1 | 8 | 7 | 5 | 2 | 1 | - | - | - | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | 8 | 7 | 5 | 2 | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 8 | 8 | 8 | 7 | 7 | 5 | 4 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 9 | 9 | 7 | 9 | 8 | 9 | 9 | 8 | 6 | 3 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 8 | 8 | 8 | 8 | 4 | 1 | 2 | 5 | 5 | 2 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 1 | 4 | 8 | 6 | 2 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 8 | 8 | 1 | - | 2 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 8 | 9 |
| I = 15 | 9 | 9 | 9 | 7 | - | - | 5 | 7 | 2 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 1 | - | 4 | 2 | - | - | - | - | - | - | - | 1 | 4 | 3 | 4 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 8 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 | 8 | 8 |
| UA0 = 19 | 1 | 1 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 5 | 5 | 6 | 7 | 6 | 6 | 4 |
| 4X = 20 | 9 | 8 | 8 | 8 | 4 | 3 | 5 | 2 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| HZ = 21 | 8 | 8 | 8 | 8 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 8 |
| VU = 22 | 8 | 7 | 8 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 8 | 8 | 7 | 6 |
| JT = 23 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 | 8 | 8 | 5 |
| VR2 = 24 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 7 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 5 | 3 | 2 |
| HS = 26 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 8 | 8 | 8 | 6 |
| DU = 27 | 3 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 6 | 5 |
| YB = 28 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 | 6 |
| VK6 = 29 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 7 | 5 | 5 |
| VK3 = 30 | 1 | 1 | - | - | - | - | 1 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 6 | 6 | 5 |
| KH6 = 31 | - | - | 4 | 6 | 7 | 6 | 2 | 4 | 7 | 5 | 2 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 5 | 6 | 7 | 5 | 4 | 7 | 4 | 1 | - | - | - | - | - | - | 2* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 7 | 5 | - | - | 1 | 8 | 7 | 5 | 3 | 1 | - | - | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 4 | 3 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 5 | 9+ | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 8 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 6 | 1 | 3 | 5 | 7 | 5 | 1 | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 4 | 5 | 5 | 2 | - | - | 6 | 8 | 5 | 2 | 1 | 1 | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 5 |
| FR = 39 | 6 | 3 | 1 | 4 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 6 |
| FJL = 40 | 8 | 8 | 8 | 8 | 4 | - | 4 | 4 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 8 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Aug., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 7 | 3 | 5 | 3 | - | - | 1 | 5* | 4* | 2* | 1 | 1 | 1 | 1 | 2 | 3 | 8 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 8 | 7 | 3 | - | - | 4 | - | 7 | 8 | 7 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 |
| W6 = 03 | 9 | 9 | 7 | 5 | 6 | 1 | - | 2* | 3 | 2* | 1* | - | 1 | 2 | 1 | 1 | 1 | 4 | 2 | 3 | 4 | 5 | 6 | 8 |
| W9 = 04 | 9 | 9 | 8 | 7 | 7 | 2 | - | 1 | 2 | 3 | - | 7 | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 8 | 6 | 4 | 5 | 1 | - | 1 | 2 | 1 | 7 | 5 | 5 | 5 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 8 | 5 | 1* | 2* | 7 | 8 | - | 7 | 5 | 3 | 4 | 5 | 4 | 5 | 2 | 4 | 6 | 7 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 8 | 8 | 5 | 1* | 1* | 2 | 6 | 3 | 7 | 5 | 5 | 4 | 3 | 5 | 6 | 5 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 8 | 6 | 3 | 2 | - | 1* | - | 5 | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 9 | 8 | 6 | 5 | - | 1* | 1* | 4 | 8 | 8 | 8 | 7 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 7 | 1 | 1* | 5 | 2 | 7 | 8 | 5 | 3 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9 | 7 | 2 | 9+ | 9+ | 9 | 5 | 2 | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9 | 9 | 8 | 8 | 5 | - | - | - | - | 8 | 8 | 6 | 4 | 3 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9 |
| LU = 13 | 9+ | 9 | 5 | 3 | 6 | 2 | - | - | - | 4 | 9 | 9 | 8 | 5 | 3 | 3 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 9 | 2 | - | - | - | - | - | 9 | 6 | 5 | 2 | 3 | 2 | 2 | 3 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| I = 15 | 8 | 2 | - | - | - | - | - | 9 | 2 | 6 | 6 | 4 | - | - | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| UA3 = 16 | 7 | 6 | 4 | 4 | - | - | 3 | 8 | 6 | 7 | 4 | 3 | 3 | 4 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 8 | 8 | 9 | 8 | 1 | - | 5 | 2 | 1 | 1 | - | 1 | 1 | 2 | 4 | 5 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA9 = 18 | 5 | 8 | 6 | 4 | - | - | 2 | 4 | 2 | 3 | 1 | - | - | 1 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 4 |
| UA0 = 19 | 8 | 5 | 2 | 1 | - | - | 1 | 5 | 7 | 5* | 3* | 1* | 1* | - | 1 | 4 | 7 | 6 | 4 | 4 | 5 | 7 | 8 | 8 |
| 4X = 20 | 9 | 9 | 7 | 4 | 1* | - | 8 | 8 | 6 | 4 | 2 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 5 | 7 | 2 | 2 | 7 | 7 | 5 | 4 | 1 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 9 | 8 | 3 | 3 | 4 | 2 | 1 | - | - | - | 1 | 1 | 5 | 6 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 8 | 7 | 4 | - | - | 4 | 2 | 2* | 1 | 1* | 1* | 1 | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 7 | 4 | 3 | 6 |
| VR2 = 24 | 8 | 7 | 5 | 2 | - | - | - | - | - | 4* | 2* | 1* | - | 1 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 8 |
| JA1 = 25 | 6 | 4 | 3 | 1 | - | - | 1 | 1 | 6 | 6* | 4* | 2* | 1* | 1 | 2 | 5 | 8 | 8 | 7 | 6 | 5 | 8 | 8 | 8 |
| HS = 26 | 7 | 8 | 7 | 4 | - | 1 | 2 | 1 | 1 | 1* | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 1 | 1 |
| DU = 27 | 8 | 7 | 4 | - | - | - | - | - | 8 | 5* | 3* | 1* | - | - | 2 | 6 | 8 | 8 | 9 | 9 | 8 | 4 | 1* | 8 |
| YB = 28 | 6 | 3 | 1 | - | - | - | 1 | 1 | - | 2* | 2* | 1 | 2 | 4 | 5 | 7 | 8 | 8 | 8 | 7 | 8 | 7 | 1 | 2 |
| VK6 = 29 | 1 | 1 | - | 1 | - | - | - | 4 | 8 | 2 | 2 | 2 | 4 | - | - | - | - | 1* | 1* | 3 | 1 | - | 1* | 1* |
| VK3 = 30 | 2 | 1 | 1 | 1 | - | - | - | 3 | 7 | 5 | 2* | - | - | - | - | - | - | 1 | 1 | - | 2* | 2 | 6 | 4 |
| KH6 = 31 | 4 | 6 | 6 | 6 | 6 | 2 | 1* | 3* | 6 | 8 | 8 | 5 | 2 | - | 1* | 2* | 1 | 9 | 8 | 5* | 3* | 1* | 1 | 1 |
| KH8 = 32 | 3 | 5 | 5 | 5 | 7 | 6 | 3* | 2* | 7 | 7 | 3 | 1 | - | - | - | 1* | 1* | 6 | 7* | 6* | 5* | 2 | 2 | 1 |
| CN = 33 | 2 | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| SU = 34 | 9 | 9 | 6 | 2 | 1* | - | 8 | 8 | 6 | 5 | 3 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 9 | 9 |
| 6W = 35 | 9+ | 9 | 8 | 9 | 2 | - | 1 | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9 | 9 | 8 | 4 | 4 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 6 | 2 | - | 1* | 1* | 1* | 8 | 9 | 8 | 5 | 2 | 2 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| ZS6 = 38 | - | - | - | - | - | - | - | 9+ | 5 | 8 | 8 | 8 | 8 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 8 | 3 | 1 | - | - |
| FR = 39 | - | - | 1* | - | - | 1 | 7 | 7 | 6 | 4 | 3 | 3 | 4 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | 1 |
| FJL = 40 | 1 | - | - | 5 | - | - | 1 | 9 | 8 | 8 | 4 | 3 | 2 | 2 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Aug., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | - | - | 1 | - | - | - | - | 6* | 5* | 1* | - | - | - | - | - | - | - | 4* | 5* | 3* | 1 | 1 | - |
| VO2 = 02 | 8 | 5 | 1 | - | - | - | - | - | - | - | 4 | 8 | 7 | 7 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 6 | 1 | - | - | - | - | 1* | 3* | 1* | 1* | - | - | - | 4 | 6 | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 8 |
| W9 = 04 | 8 | 5 | 1 | - | 1 | - | - | - | - | - | - | 1 | 7 | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 6 | 2 | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 8 | 8 | 5 | 2 | 3 | - | - | 1* | - | 3 | - | - | 7 | 7 | 8 | 8 | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 8 | 7 | 5 | 1 | 2 | - | - | - | - | 1 | - | 4 | 8 | 7 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 4 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| P4 = 09 | 6 | 3 | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 9 | 9 | 8 | 6 | 5 | 2 | 1* | 1* | - | - | 2 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 8 | 9 | 6 | - | - | 1 | 2 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 1* |
| CE = 12 | 8 | 5 | 1 | - | 1 | - | - | - | - | - | - | 9 | 9 | 7 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 4 | - | - | - | - | - | - | - | - | - | 9 | 9+ | 9 | 9 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| G = 14 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 1 |
| I = 15 | - | - | - | - | - | - | - | 4 | 9 | 9 | 8 | 8 | 5 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - |
| UA3 = 16 | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 1 |
| UN = 17 | 1* | 4 | 8 | 4 | - | - | 6 | 8 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 1* |
| UA9 = 18 | - | 1 | - | - | - | - | 1 | 8 | 8 | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 8 | 8 | 9 | 7 | 1 | - | 1* | - |
| UA0 = 19 | 2 | - | - | - | - | - | - | 7 | 6 | 7 | 6 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | 2* | 4* | 1 | 5 |
| 4X = 20 | 2 | 1 | 1 | - | - | - | 2 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 4 | 3 |
| HZ = 21 | 6 | 3 | 1* | 2 | 1* | - | 7 | 9 | 9 | 8 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 |
| VU = 22 | 5 | 5 | 8 | 6 | - | - | 6 | 7 | 4 | 5 | 9 | 5 | 5 | 7 | 8 | 9 | 8 | 9 | 5 | 1 | 1 | 1 | 3 | 2 |
| JT = 23 | 3 | 5 | 3 | 1 | - | - | 2 | 7 | 5 | 5 | 7 | 5 | 6 | 6 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | 1* | - |
| VR2 = 24 | 9 | 8 | 6 | 2 | 1* | - | 3 | 5 | 4 | 6* | 6* | 4* | 5 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | 2* | 6 |
| JA1 = 25 | 3 | 1 | - | - | - | - | 1 | 7 | 5 | 8* | 6 | 6 | 6 | 7 | 7 | 4 | 1 | - | - | - | 1* | 4* | 8 | 8 |
| HS = 26 | 2* | 6 | 3* | 1* | 1* | - | 5 | 7 | 8 | 7 | 7 | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 8 | 5 | 2 | - | - | 2* |
| DU = 27 | 8 | 6 | 3 | 1 | 1* | 1* | 2 | 7 | 6 | 7* | 7* | 5* | 4 | 6 | 8 | 8 | 8 | 7 | 6 | 6 | 1 | 1* | 2* | 6 |
| YB = 28 | 2* | 1* | - | - | - | - | 1 | 6 | 6 | 6 | 6 | 5 | 6 | 8 | 7 | 4 | 2 | 1 | - | 1 | - | - | - | 2* |
| VK6 = 29 | 1* | - | - | - | - | - | - | 2 | 7 | 6 | 5 | 4 | 1* | - | - | - | - | - | - | - | - | - | 2* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 6 | 5* | 1* | - | - | - | - | - | - | - | - | - | - | 4* | 2* | 1* |
| KH6 = 31 | 6 | 3 | 1 | - | 1 | - | - | 2* | 5* | 7 | 6 | 5 | 1* | 1* | 1* | 1* | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| KH8 = 32 | 2 | 1 | 1* | - | 2 | - | 1* | 3* | 3* | 3* | 5* | 4* | 3* | 2* | 1* | - | - | - | 6 | 8* | 7* | 7* | 5 | 3* |
| CN = 33 | - | - | - | - | - | - | - | - | 9 | 9 | 6 | 5 | 3 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | - |
| SU = 34 | 1 | - | - | - | - | - | 2 | 9+ | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 2 |
| 6W = 35 | 5 | - | - | 1 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| D2 = 36 | 6 | 2 | 5 | 2 | - | - | 6 | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 |
| 5Z = 37 | - | - | - | 1* | 1* | - | 2 | 9+ | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 3 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 8 | 6 | 1 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 4 | 5 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 6 | 2 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 8 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 8 | 7 | 3 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Aug., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | 1* | 2* | - | - | - | - | - | - | - | - | - | 2* | - | - | - | - |
| VO2 = 02 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 6 | 7 | 8 | 7 | 8 | 5 | 7 | 7 | 7 | 6 |
| W6 = 03 | 4 | - | - | - | - | - | - | - | 1* | - | - | - | - | - | 1 | 2 | 2 | 5 | 5 | 6 | 6 | 7 | 5 | 4 |
| W9 = 04 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 4 | 4 | 5 | 5 | 7 | 7 | 8 | 8 | 6 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 3 | 4 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 2 |
| XE1 = 06 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 7 |
| TI = 07 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 8 | 7 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 5 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 6 | 5 | 1 | 1 | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 1 |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 5 | 8 | 4 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 2 |
| HC = 10 | 7 | 6 | 4 | 1 | 1 | - | - | - | - | - | - | 5 | 7 | 6 | 5 | 6 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 8 |
| PY1 = 11 | 9 | 8 | 3 | 1 | 5 | 1 | - | - | - | 9+ | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9+ | 9 |
| CE = 12 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 7 | 7 | 8 | 9 | 9 | 9+ | 9 | 5 | 8 | 5* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 4* | - |
| G = 14 | - | - | - | - | - | - | - | - | 6 | 8 | 5 | 4 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 1 | - |
| I = 15 | - | - | - | - | - | - | - | - | 5 | 4 | 4 | 5 | 1 | 1 | 2 | 4 | 7 | 9 | 9+ | 9+ | 9 | 2 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 5 | 4 | 4 | 4 | 5 | 8 | 9 | 9 | 8 | 4 | - | - |
| UN = 17 | - | - | 2 | - | - | - | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 2 | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | 3 | 7 | 6 | 5 | 2* | 1 | 1* | 1 | 1 | 1 | 1 | 3 | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | 1 | 4 | 6* | 5* | 4 | 4 | 2 | 1 | - | - | - | - | - | - | 1* | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 9 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 6 | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | 1 | - |
| VU = 22 | 2* | 1* | 5 | 1 | - | - | 5 | 8 | 7 | 5 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 6 | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | 6 | 5 | 4 | 6* | 4* | 4 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - |
| VR2 = 24 | 8 | 4 | 1 | - | - | - | 2 | 5 | 4 | 4 | 7* | 5* | 6 | 7 | 8 | 7 | 5 | 3 | 3 | 2 | 1 | - | 5* | 3* |
| JA1 = 25 | - | - | - | - | - | - | - | 4 | 5 | 7* | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | 4* | 1 | 6 |
| HS = 26 | 4* | 4* | 2* | 1* | - | - | 1 | 7 | 7 | 6 | 6 | 3 | 7 | 6 | 7 | 8 | 8 | 5 | 1 | - | - | - | - | 4* |
| DU = 27 | 5 | 4* | 2* | - | - | - | 1 | 6 | 5 | 6 | 8* | 5* | 5 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | 4* | 4* |
| YB = 28 | 1* | - | - | - | - | - | - | 2 | 7 | 5 | 6* | 7 | 8 | 7 | 2* | - | - | - | - | - | - | - | - | 2* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 5 | 6* | 2* | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | 4* | 4* | - |
| KH6 = 31 | 2 | - | - | - | - | - | - | - | 6* | 5* | 2 | 1 | - | - | - | - | 2 | 5 | 5 | 6 | 6 | 6 | 6 | 2 |
| KH8 = 32 | 1 | - | - | - | - | - | - | 5* | 4* | 5* | 4* | 3* | 1* | - | - | - | - | - | 5 | 8* | 8 | 7* | 5* | 2* |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1* | 1* | - | 9 | 9 | 1 | 3 | 7 | 8 | 9+ | 9+ | 9+ | 6 | - | - |
| SU = 34 | - | - | - | - | - | - | - | 9 | 6 | 2 | 5 | 8 | 8 | 8 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 8 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 |
| D2 = 36 | - | - | - | - | - | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 1 | 2 |
| 5Z = 37 | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 6 | 6 | 5 | 2 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 4 | 5 | 4 | 4 | 2 | - | - | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Aug., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 2 | 3 | - | 1 | 2 | 1 | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 2 | 2 | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 1 | 1 | 1 | 2 | 5 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 5 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 7 | 5 | 8 | 8 | 8 | 7 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 7 | 8 | 9 | 9 | 7 | 4 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 2 | 6 | 8 | 7 | 1 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | 1* | 1* | 2 | 6 | 8 | 8 | 2 | - |
| HC = 10 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - | 2 | 8 | 8 | 9 | 9 | 9 | 7 | 2 |
| PY1 = 11 | 6 | 1 | - | - | - | - | - | - | - | 7 | - | 1 | 2 | 1 | 1 | 1* | 1 | 3 | 4 | 4* | 4* | 9+ | 8 | 4 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 1 | 7 | 8 | 9 | 9 | 9+ | 8 | 2* | 1* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 2 | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 4 | 7 | 8 | 6 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 4 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 1 | - | 1 | 1 | - | - | - | - | - | 1 | 5 | 5 | 2 | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | 5 | 6 | 6 | 5 | 5 | 4 | 3 | 4 | 5 | 6 | 5 | 3 | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | 1 | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 1 | - | - | 4 | 3 | 1 | - | - | 1 | 1 | 3 | 8 | 8 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | 2 | 2 | 7 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | 1 | 1 | - | 5* | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 4 | - | - | - | - | - | - | 5 | 6 | 6 | 7* | 5 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | 2* | 1* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | 2* | 3* | 1 | - | - | - | - | - | - | - | - | - | 1* | - | 1 |
| HS = 26 | 2* | 1* | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 7 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - |
| DU = 27 | 3* | 1* | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | 4* | 3* |
| YB = 28 | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 7 | 5* | 3* | 1* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 6 | 3 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 2* | 6* | 3* | 1* | - | - | - | - | - | - | - | - | 5 | 8 | 5 | 1* | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | - | - | 1 | 4 | 7 | 7 | 4 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | 1* | 1* | 1 | 6 | 9 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 5 | 3 | 9 | 8 | 7 | 7 | 5 | 5 | 7 | 9 | 9 | 9 | 7 | 1 | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 5 | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Aug., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | - | 1 | 6 | 6 | 1 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | 1 | 3 | 6 | 8 | 1 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 6 | 2 | - |
| PY1 = 11 | 1 | - | - | - | - | - | - | - | - | - | - | 9+ | 9 | 9+ | 9+ | 9 | 8 | 1* | 3* | 4* | 9+ | 9 | 2 | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 9 | 9 | 9 | 8 | 1 | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 8 | 9 | 8 | 6 | 2 | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | - | 3 | 2 | 1 | 1 | 1* | 1* | 1 | 1 | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | - | 1 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | 1 | 7 | 7 | 8 | 8 | 7 | 6 | 9 | 8 | 4 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | 1 | 6 | 6 | 7 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 6 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 4* | 1* | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 3* | - | - | - | - | - | - | - | - | - | - | - | 5* | 1* | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | - | - | - | - | 1 | 1 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | - | 4 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 5 | 2 | 2 | 2 | 1 | - | 1 | 5 | 4 | 4 | 1 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 8 | 8 | 9 | 7 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2* | 3* | 2* | 3* | 3* | 2* | 2 | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Sep., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 5 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | - | 2 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 2 | 4 | 4 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 |
| CE = 12 | 4 | 3 | 3 | 4 | 5 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| LU = 13 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 |
| G = 14 | 4 | 4 | 5 | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| I = 15 | 4 | 5 | 4 | 5 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 3 | 4 | 4 |
| UA3 = 16 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 4 |
| UN = 17 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| HZ = 21 | 5 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 5 | 5 |
| SU = 34 | 4 | 4 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 9 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 6 |
| FJL = 40 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Sep., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 1 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 8 | 9 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| W6 = 03 | - | 1 | 2 | 5 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| XE1 = 06 | 2 | 5 | 7 | 7 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| P4 = 09 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ |
| CE = 12 | 7 | 6 | 6 | 7 | 8 | 6 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| LU = 13 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 |
| G = 14 | 7 | 7 | 8 | 8 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 7 | 7 |
| I = 15 | 7 | 8 | 7 | 8 | 6 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 6 | 7 | 7 |
| UA3 = 16 | 7 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 7 |
| UN = 17 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 |
| UA9 = 18 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 6 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 |
| HZ = 21 | 8 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 |
| VU = 22 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 2 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 8 | 8 |
| SU = 34 | 7 | 7 | 7 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9+ | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 |
| FJL = 40 | 7 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Sep., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 4 | 5 | 5 | 7 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 |
| W6 = 03 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 7 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| XE1 = 06 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 5 | 8 | 8 | 9 | 9 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 |
| HC = 10 | 7 | 8 | 8 | 8 | 9 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 | 7 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 6 | 5 | 1 |
| 4X = 20 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 7 | 8 |
| JT = 23 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 5 | 5 | 5 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 4 | 6 | 2 | - |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 5 | 7 | 3 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 1 | 1 |
| KH6 = 31 | - | - | - | 2 | 6 | 7 | 7 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 2 | 6 | 6 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 7 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 4 | 2 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 7 | 8 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Sep., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 5 | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | 1 | 1* | 1 | 1 | 1 | 2 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 7 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 |
| W6 = 03 | 6 | 7 | 8 | 8 | 8 | 8 | 5 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| W9 = 04 | 8 | 9 | 8 | 9 | 9 | 8 | 5 | 7 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 6 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 8 | 8 | 8 | 6 | 6 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 2 | 7 | 8 | 5 | 2 | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 8 | 8 | 2 | 2 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | 2 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 5 | 5 | 4 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 5 | 9 | 9 | 8 | 6 | 2 | 1 | 1 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 7 | 1 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 4 | - | 7 | 6 | 2 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 6 | 1 | 4 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 8 | 8 | 7 | 7 |
| UA0 = 19 | 2 | 1 | 1 | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 | 6 | 5 |
| 4X = 20 | 9 | 9 | 8 | 8 | 7 | 5 | 5 | 2 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 7 | 7 | 6 | 4 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 8 | 8 | 7 | 7 |
| VR2 = 24 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 7 | 6 | 6 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | - | 4 | 7 | 6 | 7 | 6 | 6 | 2 |
| HS = 26 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 5 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 7 | 6 | 7 | 5 | 5 |
| YB = 28 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 | 7 |
| VK6 = 29 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 6 | 6 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 6 | 6 | 6 | 5 |
| KH6 = 31 | - | - | 4 | 6 | 7 | 7 | 5 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - |
| KH8 = 32 | - | - | - | 5 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 2* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 6 | - | 5 | 8 | 6 | 4 | 1 | 1 | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 8 | 9+ | 9 | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 8 | 5 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 8 | 7 | 4 | 4 | 4 | 8 | 8 | 5 | 1 | - | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 7 | 3 | 1 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 9 | 8 | 8 |
| FJL = 40 | 7 | 5 | 2 | 1 | 5 | 4 | 6 | 5 | 1 | - | - | - | - | - | - | - | 1 | 2 | 7 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Sep., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 9 | 8 | 3 | 1 | 4* | 4* | 2* | 1* | - | - | - | 1 | 2 | 3 | 7 | 5 | 6 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 2 | - | 2 | - | 7 | 8 | 6 | 5 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 8 | 6 | 6 | 1* | 2 | 5 | 2 | - | - | 1 | 1 | - | - | 1 | 3 | 1 | 2 | 4 | 5 | 7 | 8 |
| W9 = 04 | 9 | 9 | 9 | 8 | 8 | 7 | 1* | 4 | 5 | 3 | - | 7 | 5 | 3 | 2 | 3 | 3 | 6 | 6 | 7 | 8 | 8 | 9 | 9 |
| W3 = 05 | 9 | 9 | 8 | 8 | 9 | 5 | - | 3 | 2 | 1 | 8 | 7 | 5 | 5 | 3 | 2 | 4 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9+ | 9 | 8 | 2* | 1 | 9 | 8 | - | 6 | 5 | 2 | 3 | 1 | 1 | 4 | 2 | 4 | 7 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 9 | 7 | 1* | 1* | 6 | 3 | 1 | 8 | 5 | 2 | 2 | 3 | 2 | 5 | 4 | 7 | 8 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 8 | 1 | 1* | 1* | 1 | 9 | 9 | 9 | 7 | 5 | 4 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9 | 8 | 3 | 2* | 1* | 1* | 4 | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9 | 9 | 8 | 8 | 4 | 2 | 5 | - | 7 | 8 | 4 | 2 | 2 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 8 | 5 | 8 | 9+ | 9 | 9 | 2 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 3 | 3 | 6 | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 3 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9 | 8 | 8 | 8 | 3 | 2 | 4 | 9+ | 9 | 9 | 8 | 5 | 3 | 3 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 6 | 6 | 7 | 5 | 1 | - | - | 9 | 8 | 7 | 4 | 2 | 1 | 1 | 3 | 4 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 7 |
| I = 15 | 8 | 8 | 7 | 2 | - | - | 2 | 9 | 9 | 6 | 5 | 4 | 2 | 2 | 4 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UA3 = 16 | 6 | 5 | 4 | 2 | 1 | - | 5 | 8 | 6 | 6 | 4 | 2 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| UN = 17 | 7 | 8 | 9 | 8 | 5 | 1 | 5 | 2 | 1 | - | 1 | 1 | 1 | 1 | 3 | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| UA9 = 18 | 1* | 3 | 8 | 8 | 1 | - | 3 | 4 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 4 | 8 | 8 | 9 | 8 | 8 | 4 | 1 | - |
| UA0 = 19 | 8 | 7 | 6 | 6 | 1 | - | 3 | 3 | 6* | 5* | 2* | 1* | - | 1 | 1 | 2 | 2 | 2 | 2 | 2* | 2 | 5 | 8 | 8 |
| 4X = 20 | 9 | 5 | 7 | 2 | 2 | 1* | 2 | 8 | 6 | 4 | 3 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 8 | 5 | 6 | 7 | 4 | 7 | 7 | 4 | 1 | 1 | 1 | 3 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| VU = 22 | 8 | 8 | 9 | 8 | 6 | 5 | 4 | 1 | - | - | - | 1 | 1 | 3 | 5 | 5 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 8 |
| JT = 23 | 6 | 8 | 8 | 7 | 1 | - | 4 | 2 | 2* | 4 | 1 | 1 | - | 1 | 3 | 5 | 8 | 8 | 8 | 8 | 6 | 3 | 1 | 1 |
| VR2 = 24 | 8 | 8 | 5 | 4 | 1 | - | - | 1* | 3* | 3* | 2* | 1* | - | 1 | 3 | 6 | 8 | 8 | 8 | 9 | 9 | 7 | 2 | 7 |
| JA1 = 25 | 6 | 5 | 3 | 2 | - | 1* | 2 | 6 | 7* | 5* | 4* | 2* | 1* | 1 | 2 | 4 | 7 | 7 | 7 | 5 | 5 | 7 | 8 | 8 |
| HS = 26 | 7 | 9 | 8 | 6 | 3 | 2 | 2 | 1 | 1 | 1 | - | 1 | 2 | 4 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 2 | 1 |
| DU = 27 | 8 | 8 | 5 | 2 | - | - | 1* | 1* | 8 | 5* | 2* | 1* | - | - | 2 | 5 | 8 | 8 | 8 | 9 | 8 | 1 | 1* | 8 |
| YB = 28 | 9 | 6 | 4 | 2 | - | - | 1 | 1 | 2* | 1* | 1* | 1 | 2 | 4 | 6 | 7 | 8 | 9 | 9 | 8 | 7 | 5 | 1 | 5 |
| VK6 = 29 | 7 | 4 | 2 | 2 | - | - | 2 | 2 | 2 | 2* | 1 | 2 | 2 | 2 | - | - | - | 2* | 2 | 5 | 5 | 1 | 1* | 1* |
| VK3 = 30 | 6 | 3 | 2 | 1 | - | - | - | 6 | 6 | 7 | 2 | 1 | - | - | - | - | 1* | - | - | - | 4 | 7 | 8 | 8 |
| KH6 = 31 | 5 | 7 | 8 | 9 | 8 | 6 | 2* | 3* | 9 | 8 | 7 | 4 | 1 | - | 1* | 1 | - | 8 | 8 | 5* | 4* | 1 | 1 | 1 |
| KH8 = 32 | 3 | 5 | 6 | 7 | 8 | 8 | 7 | 7 | 9 | 8 | 7 | 5 | 2 | - | - | 1* | 3* | 7 | 7* | 6 | 5* | 2* | 1 | - |
| CN = 33 | 9+ | 9+ | 9 | 7 | - | - | - | 9+ | 9 | 9 | 8 | 6 | 5 | 6 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 2 | 2 | 1* | 9 | 9 | 6 | 5 | 4 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 6 | 3 | 1* | 1 | 3 | 9 | 9 | 8 | 6 | 4 | 4 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 1* | - | 4 | 9+ | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 7 | 3 |
| FR = 39 | 1 | - | 1* | 1 | 4 | 5 | 8 | 7 | 5 | 2 | 2 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 4 |
| FJL = 40 | 1* | - | - | - | - | - | 5 | 8 | 7 | 8 | 4 | 2 | 1 | 1 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 7 | 3 | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Sep., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 7 | 7 | 7 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5* | 4* | 5 | 5 | 6 |
| VO2 = 02 | 8 | 5 | 5 | 5 | 5 | - | - | - | - | - | 7 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 6 | 7 | 8 | 7 | 8 | 8 | 9 |
| W9 = 04 | 9 | 9 | 5 | 2 | 1 | 1 | - | - | - | - | - | 3 | 8 | 7 | 6 | 7 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 8 | 5 | 2 | 3 | 6 | - | - | - | - | - | 1 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 2 | 1* | - | 6 | 3 | - | - | 8 | 8 | 7 | 7 | 9 | 7 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 7 | 6 | 1 | 1* | - | 1 | - | - | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9 | 7 | 2 | 2 | - | 1* | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9 | 8 | 4 | 2 | - | 1* | - | - | - | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 5 | 1* | 3* | 2* | - | 4 | 8 | 8 | 7 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9 | 5 | 9+ | 9+ | 9+ | 9 | 4 | 3 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 7 | 3 | 6 | 5 | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 8 | 1 | - | 2 | 1 | - | - | - | 4 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 8 | 9 | 8 | 8 | 7 | 6 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 3 | - |
| I = 15 | 1 | 1 | - | - | - | - | - | 9+ | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 |
| UA3 = 16 | - | - | - | - | - | - | 1 | 9 | 8 | 7 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | - | - |
| UN = 17 | 2* | 3 | 8 | 8 | 1 | - | 7 | 7 | 6 | 8 | 9 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 3 | 3 |
| UA9 = 18 | 1* | - | - | 6 | - | - | 2 | 7 | 6 | 5 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 8 | 6 | 2 | - | - | - | 2* |
| UA0 = 19 | 8 | 8 | 8 | 5 | - | - | 1 | 8 | 7* | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | 2* | 4* | 2* | 6 |
| 4X = 20 | 9 | 5 | 1 | - | 1* | - | 5 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 7 | 6 | 2* | 1 | 2 | 1* | 7 | 9 | 8 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 | 9 | 9 |
| VU = 22 | 2 | 4 | 9 | 9 | 3 | 2 | 7 | 6 | 4 | 3 | 9 | 4 | 5 | 6 | 8 | 9 | 9 | 5 | - | - | 2 | 4 | 4 | 1 |
| JT = 23 | 1* | 5 | 9 | 6 | - | - | 2 | 6 | 5 | 5 | 7 | 5 | 5 | 7 | 7 | 8 | 7 | 5 | 2 | 1 | - | - | 2* | 1* |
| VR2 = 24 | 8 | 9 | 8 | 6 | 1 | 1 | 4 | 3 | 4 | 7* | 7 | 5 | 5 | 6 | 8 | 8 | 7 | 7 | 8 | 8 | 6 | 1 | 2* | 2* |
| JA1 = 25 | 8 | 7 | 6 | 4 | - | - | 1 | 6 | 6* | 8* | 6 | 5 | 5 | 5 | 4 | 2 | 4 | 1 | 1 | - | 3* | 4* | 8 | 9 |
| HS = 26 | 2 | 9 | 7 | 5 | 1 | 1 | 5 | 6 | 8 | 7 | 8 | 5 | 5 | 6 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | - | 1* |
| DU = 27 | 9 | 8 | 7 | 5 | 2* | 2* | 4 | 6 | 5 | 8* | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | 2* | 2* | 6 |
| YB = 28 | 7 | 2* | 2* | 1* | - | - | 2 | 5 | 6 | 6 | 8 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 3 | 1 | - | - | 2* | 1* |
| VK6 = 29 | 2* | 2* | 2* | 1* | - | - | 1 | 4 | 5 | 6 | 6 | 5 | 2* | 1* | 1* | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | 1 | 1* | 1* | 1* | - | - | - | 1 | 7* | 4 | 4* | 3* | 1* | 1* | - | - | - | - | - | - | 2* | 2 | 5 | 5 |
| KH6 = 31 | 8 | 8 | 8 | 6 | 6 | 1 | - | 5* | 5* | 5 | 5* | 3 | 2* | 2* | 2* | - | 6 | 6 | 6 | 8* | 6 | 6 | 6 | 7 |
| KH8 = 32 | 6 | 6 | 5* | 2* | 6 | 5 | 2 | 3 | 7 | 7 | 5 | 4* | 4* | 4* | 4* | 2* | - | 5 | 6* | 8* | 7* | 6* | 5 | 5 |
| CN = 33 | 6 | 3 | 1 | 1 | - | - | - | - | 9+ | 9+ | 9 | 6 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| SU = 34 | 9 | 8 | 3 | - | 1* | - | 4 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9 | 9 | 1 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9 | 8 | 6 | 8 | 2 | 1 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 4* | 4* | 1* | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 |
| ZS6 = 38 | - | - | - | - | 2* | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | 2 | 1 | - | - |
| FR = 39 | - | - | 3* | 1* | 1* | - | 6 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 1 | 5* | 5 | 6 | 7 | 6 | 5 | 5 | 5 | 6 | 7 | 6 | 6 | 2 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Sep., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 1 | 1 | 2 |
| VO2 = 02 | 2 | - | - | - | 1 | - | - | - | - | - | - | 5 | 6 | 6 | 6 | 6 | 8 | 6 | 8 | 8 | 8 | 8 | 8 | 5 |
| W6 = 03 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 6 | 8 | 7 | 8 | 8 | 9 |
| W9 = 04 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 6 | - | - | - | 1 | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 8 | 4 | 2 | 3 | - | - | - | 1 | - | - | - | 4 | 8 | 6 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 8 | 7 | 5 | 1 | 2 | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 6 | 3 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 5 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| P4 = 09 | 7 | 5 | 1 | - | - | - | - | - | - | - | 3 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 8 | 8 | 8 | 5 | 5 | 1 | 1* | 2* | - | - | - | 9 | 7 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 3 | 9+ | 8 | 6 | 9 | 5 | 2* | - | 2 | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 |
| CE = 12 | 9 | 7 | - | 1* | 1 | - | - | - | - | - | 1 | 1 | 9 | 8 | 8 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 7 | 1 | - | - | - | - | - | - | - | - | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 9 | - | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 4 | - | - |
| I = 15 | - | - | - | - | - | - | - | 1 | 9 | 9 | 4 | 1 | 1 | 3 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - |
| UN = 17 | 3* | 1* | 2 | 6 | - | - | 4 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 3 | 1 | - | - | - |
| UA9 = 18 | 1* | - | - | 2 | - | - | - | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 2 | - | 3 | - | - | - | - | - | 1* |
| UA0 = 19 | 4 | 6 | 3 | 2 | - | - | - | 7 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 5* | 2* | 1 |
| 4X = 20 | 2 | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 |
| HZ = 21 | 1 | 1 | 2* | - | 1* | - | 5 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 |
| VU = 22 | 1* | 4* | 7 | 7 | 1 | - | 6 | 8 | 6 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | - | - | - | - | - | - | - |
| JT = 23 | 1* | - | 6 | 4 | - | - | 1 | 8 | 7 | 6 | 7 | 6 | 6 | 6 | 5 | 2 | 2 | - | - | - | - | - | 2* | 3* |
| VR2 = 24 | 7 | 8 | 6 | 4 | 1* | 1* | 3 | 5 | 5 | 7* | 7* | 5 | 6 | 7 | 8 | 7 | 4 | 3 | 4 | 3 | 1 | - | 4* | 5* |
| JA1 = 25 | 8 | 6 | 4 | 2 | - | - | - | 7 | 6 | 8* | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | 6* | 4* | 8 |
| HS = 26 | 4* | 5 | 4* | 2* | 1* | - | 4 | 7 | 7 | 6* | 6 | 6 | 7 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 4 | - | - | 3* |
| DU = 27 | 8 | 6 | 4* | 2 | 2* | 1* | 2 | 6 | 5 | 8* | 8* | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | - | - | 5* | 5* |
| YB = 28 | 4 | 4* | 1* | - | - | - | 1 | 3 | 6 | 6* | 6 | 7 | 7 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | 1* | 3* |
| VK6 = 29 | 3* | 2* | 1* | - | - | - | - | - | 4 | 5* | 5* | 2* | - | - | - | - | - | - | - | - | - | - | 1* | 4* |
| VK3 = 30 | 2* | 1* | - | 1* | - | - | - | - | 7* | 3* | 2* | 1* | - | - | - | - | - | - | - | - | - | 5* | 4* | 2* |
| KH6 = 31 | 7 | 5 | 4 | - | 1 | - | - | - | 6* | 5* | 2* | 1* | 1* | 1* | - | - | 1 | 6 | 6 | 8* | 7 | 7 | 7 | 7 |
| KH8 = 32 | 6 | 4* | 3* | 1* | 2 | 1 | 1* | 5* | 5* | 6* | 6* | 5* | 4* | 3* | 1* | - | - | 1 | 7 | 8* | 8* | 7 | 7 | 6 |
| CN = 33 | - | - | - | - | - | - | - | - | 6 | 9+ | - | - | - | 1 | 3 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 1 |
| SU = 34 | 5 | 1 | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| 6W = 35 | 9 | 7 | 4 | 6 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 5 | 1 | - | 2 | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | 3* | 2* | - | 1 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 6 | 9 | 9 | 9+ | 9+ | 7 | 4 | - | - | - | - | - |
| FR = 39 | - | - | 1* | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 2 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1* | - | 2 | 3 | 4 | 2 | 1 | 1 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Sep., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 1 | 3 | 5 | 7 | 6 | 4 | - |
| W6 = 03 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 5 | 2 | 4 | 7 | 7 |
| W9 = 04 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 4 | 2 | 4 | 5 | 7 | 8 | 9 | 8 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 1 | 1 | 3 | 5 | 6 | 7 | 7 | 8 | 8 | 6 |
| XE1 = 06 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 5 |
| TI = 07 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 2 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 1* | - | - | 4 | 8 | 9 | 9+ | 9 | 9 | 5 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | - | 1* | 1* | 3 | 7 | 9 | 9+ | 9 | 9 | 6 | 1 |
| HC = 10 | 8 | 6 | 3 | - | 1 | - | - | - | - | - | - | 3 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 8 | 1 | - | 5 | - | 1* | - | - | 9+ | 1 | 2 | 1 | 1* | 1 | 4 | 8 | 9+ | 9+ | 9 | 8 | 6 | 3* | 9+ |
| CE = 12 | 5 | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| LU = 13 | 1 | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 |
| G = 14 | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 4 | 4 | - | - | - | - | - | 1 | 4 | 8 | 9+ | 9 | 6 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 5 | 2 | - | - | - | - |
| UN = 17 | - | - | - | 2 | - | - | 1 | 7 | 8 | 8 | 8 | 7 | 7 | 8 | 7 | 4 | - | 2 | 1 | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 2 | 2* | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | 1 | - | - | - | - | - | - | 5 | 5* | 2 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - |
| 4X = 20 | - | - | - | - | - | - | - | 3 | 6 | 9 | 2 | 1 | 1 | 1 | 2 | 3 | 4 | 6 | 9 | 9 | 4 | 1 | 1 | - |
| HZ = 21 | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 6 | 7 | - | - |
| VU = 22 | - | 4* | 2 | 3 | - | - | 4 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 2 | - | - | - | - | - | - | - |
| JT = 23 | - | - | 1 | - | - | - | - | 2 | 4 | 4* | 4* | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 5 | 2 | 1 | - | - | 1 | 5 | 6 | 6 | 8* | 7 | 7 | 8 | 6 | 3 | - | - | - | - | - | - | - | 6* |
| JA1 = 25 | 2 | 1 | - | - | - | - | - | 2 | 2 | 6* | 5* | 1 | - | - | - | - | - | - | - | - | - | 5* | 3* | 3 |
| HS = 26 | 5* | 5* | 2* | 1* | 1* | - | 1 | 3 | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 8 | 6 | 5 | 2 | 2 | - | - | - | 2* |
| DU = 27 | 6* | 6* | 2* | - | 2* | - | 1 | 1 | 7 | 7 | 7 | 6 | 8 | 8 | 8 | 5 | 4 | 2 | 1 | - | - | - | 5* | 5* |
| YB = 28 | 2* | 1* | - | - | - | - | - | - | 5 | 6 | 8 | 8 | 8 | 7 | 4 | 2* | - | - | - | - | - | - | - | 4* |
| VK6 = 29 | 2* | 1* | - | - | - | - | - | - | - | 3* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 4* |
| VK3 = 30 | 1* | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | 2* | 5* | 2* |
| KH6 = 31 | 3 | 1 | - | - | - | - | - | - | 2* | 2* | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 | 6 | 4 |
| KH8 = 32 | 2 | 1* | 1* | - | - | - | - | 4* | 6* | 7* | 6* | 5* | 3* | 1* | - | - | - | - | 7 | 7 | 8 | 7 | 7 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9+ | 9+ | 7 | 1 | - | - |
| SU = 34 | - | - | - | - | - | - | - | 2 | 3 | 8 | 1 | 1* | 1* | - | 1 | 2 | 2 | 5 | 8 | 9 | 8 | 4 | 3 | 1 |
| 6W = 35 | 3 | - | - | 1 | - | - | - | - | 4 | 9 | 7 | 7 | 8 | 7 | 7 | 6 | 5 | 8 | 9 | 9 | 9 | 8 | 6 | 7 |
| D2 = 36 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 4 |
| 5Z = 37 | - | - | - | - | 1* | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | - | 3 | 3 | 1 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 4 | 5 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Sep., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 3 | 2 | - | - |
| W6 = 03 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 3 | 4 |
| W9 = 04 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 7 | 6 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 5 | 2 |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 8 | 8 | 7 | 4 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 2* | 5 | 7 | 8 | 8 | 9 | 9 | 7 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 5 | 7 | 6 | 2 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 4 | 6 | 6 | 4 | - | - |
| HC = 10 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | - | 1* | 1 | 4 | 5 | 6 | 8 | 9 | 9 | 7 | 4 |
| PY1 = 11 | 8 | 2 | - | - | 1 | - | - | - | - | 6 | 9+ | 8 | 9 | 9+ | 8 | 8 | 2 | 4 | 4 | 4* | 4* | 9+ | 9+ | 9 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 1 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 5 | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 4 | 5 | 5 | 1 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 1 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 4 | 2 | 2 | 2 | 1 | 3 | 2 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 1 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 1* | 1* | - | - | - | 3 | 4 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 1 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 3 | - | 1 | - | - |
| VU = 22 | - | 1* | - | - | - | - | 1 | 2 | 7 | 7 | 6 | 6 | 6 | 7 | 9 | 8 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 4* | 2* | - | - | - | - | - | - | 5 | 5 | 6* | 6 | 6 | 8 | 1 | - | - | - | - | - | - | - | - | 4* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | 1* | - |
| HS = 26 | 5* | 2* | - | - | - | - | - | - | 3 | 5 | 6* | 6 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - |
| DU = 27 | 5* | 2* | - | - | - | - | - | - | 5 | 6 | 7 | 7 | 8 | 8 | 4 | - | - | - | - | - | - | - | 1* | 5* |
| YB = 28 | - | - | - | - | - | - | - | - | - | 2 | 5* | 7 | 5 | 1 | 4* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3* | - |
| KH6 = 31 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3* | 5 | 7 | 4 | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 5* | 4* | 3* | 1* | 1* | - | - | - | - | - | 2 | 7 | 8 | 8 | 4* | 2* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 1* | 1* | - | - | - | 2 | 3 | 1 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 4 | 5 | 4 | 2 | 1* | 2* | 4 | 4 | 3 | 1 | - | 1 |
| D2 = 36 | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | 2* | 4* | 2* | 3 | 7 | 9 | 9 | 9 | 9+ | 9 | 9 | 1 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | 3 | 2 | 2 | 4 | 4 | 2 | 1 | - | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Oct., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| W6 = 03 | - | - | 1 | 3 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 5 | 5 | 6 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 6 | 5 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 3 | 4 | 5 | 3 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 4 | 5 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| HC = 10 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 |
| CE = 12 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| G = 14 | 4 | 4 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 4 |
| UN = 17 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 3 | 3 |
| HZ = 21 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - |
| VK3 = 30 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| SU = 34 | 3 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 4 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 5 | 5 |
| FJL = 40 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Oct., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | 1 | 1 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| W6 = 03 | - | 1 | 4 | 6 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| XE1 = 06 | 3 | 6 | 7 | 8 | 6 | 8 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 7 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 |
| P4 = 09 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| HC = 10 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ |
| CE = 12 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| G = 14 | 7 | 7 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 7 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 7 |
| UN = 17 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 |
| UA9 = 18 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | - | 1 | 3 | - | - |
| 4X = 20 | 6 | 5 | 5 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 5 | 6 | 6 |
| HZ = 21 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| VU = 22 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 2 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 5 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 1 | - |
| VK3 = 30 | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | 2 | - | 4 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 |
| SU = 34 | 6 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 7 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 9 | 8 | 8 |
| FJL = 40 | 7 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Oct., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 |
| W6 = 03 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 |
| XE1 = 06 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| TI = 07 | 8 | 9 | 9 | 9 | 8 | 9 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 | 9 |
| I = 15 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 6 | 7 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 6 | 6 | 2 |
| 4X = 20 | 7 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 8 | 8 | 8 |
| HZ = 21 | 8 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 8 | 8 |
| VU = 22 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 6 | 6 | 6 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 5 | 3 | 1 |
| HS = 26 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 7 | 6 | 4 |
| YB = 28 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 1 | 1 | - |
| KH6 = 31 | - | - | - | 3 | 6 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 6 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 2 | 1 | - | 1 | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | - | - | - | - | - | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | 2 | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Oct., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | 1 | 2 | 2 | 3 | 4 | 5 |
| VO2 = 02 | 8 | 8 | 8 | 9 | 9 | 8 | 5 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 8 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 |
| W3 = 05 | 9 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 6 | 2 | 1 | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 5 | 2 | 1 | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 5 | 4 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 2 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 1 | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 6 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 5 | 8 | 5 | 2 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 7 | 7 | 5 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 | 8 | 8 | 8 | 7 |
| UA0 = 19 | 3 | 2 | 1 | - | - | 1 | - | 1* | 1* | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 7 | 6 | 6 | 6 |
| 4X = 20 | 8 | 8 | 8 | 8 | 6 | 1 | 6 | 3 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| HZ = 21 | 8 | 8 | 8 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| VU = 22 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 6 | 8 |
| JT = 23 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 7 | 8 | 8 | 7 | 7 |
| VR2 = 24 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 | 7 | 6 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | 1* | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 6 | 7 | 6 | 4 |
| HS = 26 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 8 | 7 | 5 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 | 8 | 7 | 7 |
| VK3 = 30 | 1 | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 | 5 | 1 |
| KH6 = 31 | - | 1 | 5 | 6 | 8 | 8 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | 2* | 2* | 2* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 5 | 7 | 8 | 5 | 3 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 4 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | 5 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 9 | 8 | 8 |
| FJL = 40 | 7 | 6 | 4 | 1 | - | 5 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 8 | 8 | 8 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Oct., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 9 | 8 | 7 | 4 | - | 2 | 1* | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 8 | 8 | 8 | 9 | 9 | 7 | 1 | 4 | 4 | 8 | 8 | 7 | 5 | 3 | 2 | 3 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 7 | 4 | 7 | 5 | 6 | 7 | 5 | - | - | - | 1 | 1 | - | 1 | 3 | 1 | 2 | 4 | 6 | 8 | 9 |
| W9 = 04 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 7 | 6 | 1 | - | 6 | 5 | 2 | 1 | 1 | 1 | 5 | 5 | 6 | 8 | 9 | 9 | 9 |
| W3 = 05 | 8 | 5 | 9 | 9 | 8 | 8 | 3 | 6 | 4 | - | 8 | 7 | 5 | 3 | 2 | 2 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | - | 5 | 5 | 2 | 1 | - | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | 8 | 5 | 3 | 3 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | 2 | 1 | 9+ | 9 | 8 | 8 | 6 | 5 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 3 | 1* | 5 | 9 | 8 | 7 | 6 | 5 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 6 | - | 8 | 6 | 6 | 4 | 2 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 3 | 1 | 2 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 5 | 5 | 3 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 6 | 9 | 9 | 5 | - | 3 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| I = 15 | 9 | 9 | 9+ | 8 | 1 | 2* | 6 | 9 | 8 | 6 | 5 | 3 | 2 | 3 | 4 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 5 | 5 | 5 | 4 | 5 | 2 | 8 | 8 | 7 | 6 | 2 | 2 | 1 | 2 | 3 | 6 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 5 |
| UN = 17 | 8 | 8 | 9 | 8 | 8 | 4 | 5 | 4 | 1 | - | 1 | 1 | 1 | 1 | 5 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| UA9 = 18 | - | - | 7 | 9 | 6 | 1 | 6 | 6 | 5 | 4 | 1 | 1 | 1 | 1 | 2 | 4 | 7 | 8 | 8 | 7 | 7 | 5 | 2 | - |
| UA0 = 19 | 8 | 8 | 8 | 5 | 5 | 2* | 6 | 5* | 5* | 4 | 2 | 1* | 1 | 1 | - | - | 1 | 3 | 3 | 3* | 3* | 2 | 6 | 8 |
| 4X = 20 | 9 | 9 | 9 | 3 | 5 | 2 | 6 | 9 | 7 | 5 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 9 | 7 | 6 | 8 | 6 | 8 | 7 | 5 | 2 | 4 | 3 | 2 | 3 | 5 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 7 | 6 | 9 | 8 | 8 | 6 | 4 | 2 | 1 | - | 1 | - | 1 | 2 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| JT = 23 | 4 | 8 | 9 | 7 | 5 | 1 | 4 | 2 | 8 | 3 | 1 | 1 | - | 1 | 3 | 5 | 7 | 7 | 7 | 7 | 6 | 5 | 1 | 1* |
| VR2 = 24 | 8 | 8 | 6 | 4 | 1 | 1 | 1* | 2* | 2* | 3* | 2* | 1* | - | 1 | 2 | 3 | 8 | 8 | 8 | 9 | 9 | 7 | 1* | 5 |
| JA1 = 25 | 7 | 5 | 5 | 3 | 2 | 2* | 5 | 6* | 6* | 5* | 3* | 2* | - | 1 | 2 | 4 | 7 | 8 | 8 | 7 | 2 | 5 | 8 | 8 |
| HS = 26 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | 1 | 2* | 1 | - | 1 | 1 | 1 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| DU = 27 | 8 | 8 | 5 | 2 | - | - | 1* | 2* | 8 | 5* | 3* | 1* | - | - | 1 | 5 | 8 | 8 | 8 | 9 | 9 | 6 | 3 | 8 |
| YB = 28 | 9 | 8 | 8 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 1* | 1 | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VK6 = 29 | 8 | 8 | 6 | 5 | 2 | 2 | 4 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 3 | 1 | 2 | 2 | 4 | 5 | 5 | 3 | 1 | 5 |
| VK3 = 30 | 8 | 5 | 4 | 3 | 1 | 1 | 5 | 6 | 6 | 4 | 2 | 1 | - | - | - | - | 1 | 2* | 2 | 5 | 7 | 8 | 8 | 8 |
| KH6 = 31 | 6 | 7 | 8 | 9 | 9 | 9 | 7 | 7 | 8 | 7 | 6 | 4 | - | - | - | 1* | - | 2 | 7 | 6* | 4* | 1 | 1 | 2 |
| KH8 = 32 | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 2 | 1 | - | 1* | 3* | 3* | 7* | 7 | 5* | 2* | - | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | - | 1 | 9+ | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9 | 9 | 6 | 5 | 2 | 9 | 9 | 8 | 6 | 4 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 6 | 6 | 8 | 9 | 9 | 8 | 6 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 4 | 2 | 1 | 1* | 1* | 2 | 9 | 9+ | 9 | 8 | 8 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| FR = 39 | 7 | 5 | 4 | 8 | 7 | 8 | 8 | 7 | 5 | 2 | 2 | 2 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | 1* | 1* | 1* | 1* | 1* | 1* | 7 | 8 | 8 | 5 | 4 | 3 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 7 | 4 | 1 | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Oct., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 8 | 7 | 4 | 1 | - | - | 1* | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 1 | - | 3 | 5 | 5 | 1 | - | - | - | - | 8 | 9 | 8 | 6 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 7 |
| W6 = 03 | 9 | 9 | 6 | 1 | - | - | - | 1 | 2 | - | - | - | - | 1 | 4 | 3 | 7 | 5 | 6 | 7 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9 | 7 | 2 | 1 | 1 | 1 | - | 1 | - | - | - | - | 8 | 7 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 3 | 1 | 4 | 5 | 3 | 5 | - | 1 | - | - | 1 | 9 | 8 | 6 | 7 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 |
| XE1 = 06 | 9 | 9 | 5 | 1 | 1 | 1 | 3 | 2 | 4 | 1 | - | - | 7 | 7 | 5 | 6 | 9 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9+ | 9 | 9 | 8 | 8 | 3 | 1 | - | - | - | 9 | 8 | 8 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9 | 4 | - | - | - | - | 9+ | 9 | 9 | 7 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9+ | 9 | 9 | 9 | 6 | 4 | 4* | - | 7 | 9 | 8 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 2* | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 6 | 6 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 8 | 8 | 6 | 5 | 7 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | 1 | 2 | - | - | - | 2* | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 5 | 1 | - |
| I = 15 | 5 | 5 | 5 | 1 | - | 1* | 1* | 9+ | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 |
| UA3 = 16 | - | - | - | - | 2* | 1* | 5 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 7 | 3 | 1 | - | - |
| UN = 17 | 3 | 4 | 8 | 9 | 6 | 1* | 7 | 7 | 6 | 6 | 8 | 6 | 7 | 5 | 7 | 9 | 8 | 7 | 5 | 4 | 4 | 4 | 5 | 4 |
| UA9 = 18 | 1* | 1* | 1* | 8 | 2 | 1* | 4 | 8 | 8 | 6 | 6 | 6 | 6 | 6 | 7 | 4 | - | 3 | 1 | - | - | - | - | 1* |
| UA0 = 19 | 8 | 9 | 8 | 7 | 3 | 1* | 4 | 7 | 8* | 5 | 6 | 6 | 2 | - | - | - | - | - | - | - | 5* | 4* | 2* | 5 |
| 4X = 20 | 9 | 9 | 5 | 3* | 2* | 2* | 6 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 8 | 1 | 2* | 5 | 1 | 8 | 9 | 8 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1 | 1 | 8 | 9 | 6 | 4 | 7 | 6 | 5 | 5 | 9 | 6 | 5 | 6 | 6 | 9 | 9 | 7 | 1 | - | 2 | 4 | 5 | 1 |
| JT = 23 | 1* | 5 | 9 | 8 | 2 | 2* | 5 | 8 | 5 | 5 | 7 | 6 | 6 | 6 | 6 | 2 | 2 | 1 | - | - | - | - | 1* | 1* |
| VR2 = 24 | 9 | 9 | 8 | 6 | 3 | 2 | 4 | 4 | 5 | 6 | 8 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | 2* | 2* |
| JA1 = 25 | 8 | 8 | 7 | 5 | 2* | 2* | 4 | 6 | 8* | 8* | 6 | 5 | 4 | 2* | 2 | 1 | 2 | 2 | 2 | - | 5* | 3* | 7 | 9 |
| HS = 26 | 7 | 9 | 9 | 7 | 3 | 3 | 5 | 6 | 7 | 7 | 8 | 5 | 5 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 |
| DU = 27 | 9 | 9 | 8 | 6 | 3* | 3* | 4 | 4 | 8* | 7* | 7 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 7 | 2* | 2* | 8 |
| YB = 28 | 9 | 7 | 5 | 4 | 1* | 1 | 5 | 4 | 7 | 7 | 8 | 5* | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2* | 6 |
| VK6 = 29 | 5 | 3 | 2 | 3 | 1 | 1 | 5 | 7 | 7 | 6 | 7 | 5 | 5 | 2* | 1* | 2* | 2* | 2* | 1* | - | - | 1* | 1* | 1* |
| VK3 = 30 | 7 | 5 | 4 | 2 | 2* | - | 3 | 8 | 6 | 5 | 4 | 4* | 2* | 2* | 2* | 2* | 1* | - | - | 1* | 4* | 6 | 8 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 9 | 8 | 2* | 3* | 5 | 5* | 5* | 4* | 2* | 2* | 2* | - | 6 | 5 | 6* | 8* | 7* | 7 | 7 | 7 |
| KH8 = 32 | 6 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 8 | 6 | 5 | 4* | 5* | 4* | 3 | 5 | 7* | 8* | 8* | 7* | 6* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 1 | - | - | 4 | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 8 | 5* | 3* | 2* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 5 | 4 | 4* | 4* | 2* | 9 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | 1* | 3* | 1* | 5 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 3 | - |
| FR = 39 | 1 | 1* | 4* | 4 | 2 | 5 | 8 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 |
| FJL = 40 | 1* | 2* | 1* | - | - | - | 2 | 5* | 7 | 8 | 7 | 8 | 6 | 6 | 6 | 8 | 8 | 7 | 3 | 3 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Oct., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5* | 7* | 6 | 6 | 5 |
| VO2 = 02 | - | - | - | - | 1 | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 |
| W6 = 03 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 9 |
| W9 = 04 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | - | - | - | - | - | 1 | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 6 |
| XE1 = 06 | 9 | 3 | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 8 | 5 | 3 | 5 | - | - | - | - | - | 5 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9 | 5 | 6 | - | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 8 | 6 | 1 | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 8 | 9 | 8 | 6 | 2 | 3* | 1* | - | - | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| PY1 = 11 | 9 | 7 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 9+ | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9 | 6 | 7 | 6 | 2 | 1 | 1 | 2 | 1 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 5 | 1 | 4 | 4 | 2* | - | 1 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9+ | 9 | 7 | 4 | 1 |
| UA3 = 16 | - | - | - | - | - | - | 1 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 2 | - | - | - | - |
| UN = 17 | 2* | 2* | 4 | 8 | 1 | 1* | 6 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 1 | 2 | - | - | - | - | - | - |
| UA9 = 18 | 3* | 2* | 1* | 2 | - | - | 1 | 8 | 8 | 7 | 7 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | 2* |
| UA0 = 19 | 6 | 8 | 8 | 7 | 1 | - | 1 | 8 | 7* | 8 | 7 | 4 | - | - | - | - | - | - | - | 1* | 5* | 4* | 3* | |
| 4X = 20 | 9 | 6 | 1 | 2* | 2* | 1* | 2 | 2 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 |
| HZ = 21 | 8 | 5 | 4* | 2* | 2* | 1* | 5 | 9 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 2* | 2* | 5 | 8 | 4 | 1 | 6 | 8 | 6 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | - | - | - | - | - | - | - |
| JT = 23 | 2* | 2* | 8 | 7 | 1* | 1* | 2 | 8 | 7 | 7 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | 1* | 2* |
| VR2 = 24 | 7 | 8 | 8 | 6 | 2* | 2* | 4 | 6 | 5 | 8* | 7* | 6 | 6 | 7 | 8 | 8 | 7 | 6 | 5 | 3 | 2 | - | 3* | 5* |
| JA1 = 25 | 8 | 7 | 6 | 5 | 1* | - | 1 | 7 | 8* | 8* | 6 | 4* | 2* | 1* | - | - | - | - | - | - | 2* | 5* | 5* | 8 |
| HS = 26 | 4 | 9 | 7 | 5 | 2* | 1 | 5 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 6 | - | 3* | |
| DU = 27 | 9 | 8 | 7 | 5 | 3* | 3* | 3 | 6 | 6 | 8* | 8* | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 1 | 1* | 5* | 6 |
| YB = 28 | 8 | 5* | 4* | 2* | 1* | - | 4 | 6 | 6 | 6* | 6 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 6 | 4 | 1 | - | 4* | 4* |
| VK6 = 29 | 2* | 3* | 4* | 2* | 1* | - | 2 | 3 | 3 | 6* | 5* | 4* | 3* | 2* | 1* | 1* | - | - | - | - | - | - | 4* | 4* |
| VK3 = 30 | 3 | 1 | 1* | 2* | 1* | - | - | 4 | 7* | 5* | 4* | 4* | 2* | 2* | 1* | 1* | - | - | - | - | 4* | 4* | 5 | 6 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 8 | 4 | 1* | 6* | 5* | 6* | 5* | 4* | 3* | 2* | 1* | - | 5 | 6 | 7 | 8* | 7 | 7 | 7 | 8 |
| KH8 = 32 | 7 | 8 | 7 | 5 | 7 | 7 | 6 | 7* | 8 | 8 | 6 | 6* | 5* | 5* | 4* | 1* | - | 5 | 6 | 8* | 8* | 7* | 6 | 7 |
| CN = 33 | 9+ | 8 | 7 | 6 | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 9 | 3 | 2* | 2* | 1* | 1 | 9+ | 9 | 9 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9 | 9 | 6 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9 | 9 | 8 | 4 | 3 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 5* | 4* | 2* | 5 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 |
| ZS6 = 38 | - | - | - | - | 3* | - | - | - | 4 | 6 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | 1 | - | - |
| FR = 39 | - | - | 4* | 4* | 2* | 1 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - |
| FJL = 40 | - | 1* | - | - | - | - | - | - | 2* | 5 | 6 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Oct., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 5* | 2* | 1 | 1 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 5 | - | - |
| W6 = 03 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| W9 = 04 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 1 |
| XE1 = 06 | 7 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 |
| TI = 07 | 9 | 4 | 2 | - | - | 1 | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 7 | 7 | 5 | - | 1 | - | - | - | - | - | 5 | 9+ | 5 | 2 | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 7 |
| P4 = 09 | 7 | 6 | 4 | 1 | 1 | - | - | - | - | - | - | 9 | 5 | 2 | 2 | 5 | 9 | 9 | 9 | 9+ | 9 | 9 | 7 | 5 |
| HC = 10 | 9 | 9 | 8 | 5 | 5 | 3 | 1* | 1* | - | - | - | 9 | 9 | 6 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 8 | 9 | 7 | 2 | 1 | 5 | - | 2 | 2* | 9+ | 9+ | 1 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| CE = 12 | 9+ | 9 | 3 | 1* | 2 | 1 | 1* | - | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9 | 5 | - | 1* | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 1 | 6 | 7 | 5 | 1 | 6 | 8 | 9 | 8 | 9 | 6 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 9+ | 9 | 2 | 1 | 1 | 1 | 3 | 7 | 9 | 9+ | 9+ | 9 | 5 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 7 | 1 | 1 | - | - | - | - | - |
| UN = 17 | - | 4* | - | 6 | - | - | 2 | 8 | 9 | 8 | 3* | 8 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 4* | 1* | - | - | - | - | - | 3 | 8 | 8 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 3 | 5 | 4 | - | - | - | 5 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 3* | 5* | 4* |
| 4X = 20 | 3 | - | - | - | 1* | - | - | 8 | 9 | 5 | 1* | 1* | 2 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 8 | 9 | 9 | 6 |
| HZ = 21 | 2 | 1 | 1* | 1* | 1* | 1* | 1 | 5 | 8 | 8 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 |
| VU = 22 | - | 5* | 3* | 6 | 2* | 1* | 5 | 8 | 8 | 6 | 4 | 5 | 8 | 9 | 9 | 9 | 1 | - | - | - | - | - | - | - |
| JT = 23 | 4* | 2* | 1 | 4 | - | - | 1 | 6 | 8 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 5* |
| VR2 = 24 | 6* | 7 | 5 | 4 | 2* | 2* | 2 | 6 | 6 | 8* | 8* | 5 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | 2* | 5* |
| JA1 = 25 | 7 | 3 | 2 | 2 | - | - | - | 5 | 8 | 8* | 5* | 3* | - | - | - | - | - | - | - | - | - | 7* | 5* | 5 |
| HS = 26 | 6* | 8 | 5* | 3* | 2* | 1* | 4 | 6 | 8 | 6* | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | - | - | 4* |
| DU = 27 | 8 | 6* | 5* | 4* | 3* | 2* | 2 | 6 | 7 | 8* | 8* | 6 | 8 | 8 | 9 | 8 | 9 | 8 | 6 | 3 | - | - | 6* | 6* |
| YB = 28 | 5 | 5* | 2* | 1* | 1* | - | 1 | 2 | 4 | 4 | 7* | 7 | 8 | 8 | 8 | 7 | 6 | 4 | - | - | - | - | - | 4* |
| VK6 = 29 | 5* | 5* | 4* | 1* | - | - | - | - | - | 6* | 5* | 3* | 1* | 1* | - | - | - | - | - | - | - | - | 1* | 4* |
| VK3 = 30 | 5* | 4* | 3* | 2* | - | - | - | - | 4* | 5* | 3* | 2* | 1* | - | - | - | - | - | - | - | - | 5* | 5* | 5* |
| KH6 = 31 | 8 | 7 | 6 | 5 | 5 | - | - | 1* | 4* | 6* | 5* | 2* | 1* | - | - | - | - | 7 | 8 | 8 | 8 | 7 | 7 | 7 |
| KH8 = 32 | 7 | 6 | 2 | 2* | 4 | 3 | 1 | 6* | 8* | 6* | 3* | 4* | 5* | 4* | 2* | - | - | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| CN = 33 | 7 | 1 | - | 1 | - | - | - | - | 2 | 6 | 3 | 2 | 1 | - | 1 | 7 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 |
| SU = 34 | 5 | 2 | - | - | 1* | 1* | - | 6 | 9 | 3 | 1* | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 9 | 9 |
| 6W = 35 | 9 | 7 | 5 | 8 | 1 | - | - | - | 7 | 9 | 8 | 7 | 7 | 7 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 7 | 9 |
| D2 = 36 | 7 | 2 | 7 | 4 | - | 1* | 6 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | 5* | 3* | 1* | 1 | 1 | 4 | 2 | 1 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | 3* | 1* | 1 | 5 | 9 | 9 | 9+ | 9+ | 8 | 6 | 1 | - | - | - | - |
| FR = 39 | - | - | 2* | 1* | 2* | - | 4 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Oct., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 2 | 5 | 5 | 4 | 5 | 1 | - | - |
| W6 = 03 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4* | 4 | 6 | 6 | 7 | 6 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 5 | 7 | 8 | 8 | 8 | 8 | 3 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 2 | 3 | 5 | 7 | 7 | 7 | 7 | 4 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 1 | 6 | 8 | 8 | 8 | 8 | 7 | 3 | 1 |
| TI = 07 | 7 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 |
| VP2 = 08 | - | 1 | - | - | - | - | - | - | - | - | - | 9 | - | - | 1* | 2* | 4 | 7 | 9 | 9 | 8 | 4 | - | - |
| P4 = 09 | 1 | - | - | - | - | - | - | - | - | - | - | 6 | - | - | 1* | 2* | 2 | 6 | 9 | 9 | 7 | 2 | - | - |
| HC = 10 | 6 | 5 | 3 | 1 | 2 | 1 | - | - | - | - | - | 4 | 1 | 1 | 1 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 7 | 5 |
| PY1 = 11 | 9+ | 9 | 6 | 1 | 7 | 2 | - | - | - | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 1* | 6 | 8 | 8 | 8 | 8 | 7 | 4* | 9+ |
| CE = 12 | 8 | 3 | - | - | - | - | - | - | - | - | - | 5 | 4 | 2 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 5 | - | - | - | - | - | - | - | - | - | 2 | 4 | 1 | - | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| G = 14 | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 5 | 1 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 9 | 1* | 1* | 1* | 1* | - | - | 1 | 4 | 6 | 9 | 6 | 1 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 5 | 5 | 4 | 4 | 2 | 2 | 4 | 4 | 1 | - | - | - | - | - | - | - |
| UN = 17 | - | 1* | - | 2 | - | - | - | 3 | 8 | 8 | 2* | 7 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | - | - | - | - | - | - | - | 5 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | - | - | 1 | - | - | - | - | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* |
| 4X = 20 | - | - | - | - | - | - | - | - | 4 | 2* | 2* | 2* | 2* | 1* | - | 3 | 4 | 5 | 5 | 9 | 1 | 6 | 4 | 1 |
| HZ = 21 | - | - | - | - | 1* | - | - | - | 8 | 4 | 2* | 3 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 5 | 2 | 1 |
| VU = 22 | - | 5* | 1* | 3 | 1* | - | 1 | 4 | 7 | 1 | 4* | 5* | 5 | 8 | 9 | 7 | - | - | - | - | - | - | - | - |
| JT = 23 | 3* | - | - | 1 | - | - | - | - | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 6* | 5* | 2* | 1 | 1* | 1* | 1 | 1 | 4 | 2* | 8* | 6* | 8 | 8 | 2 | 2 | 1 | - | - | - | - | - | - | 6* |
| JA1 = 25 | 2 | - | - | 1 | - | - | - | - | 5 | 6* | 3* | 1* | - | - | - | - | - | - | - | - | - | 4* | 6* | 4* |
| HS = 26 | 6* | 6 | 3* | 1* | 2* | 1* | 1 | - | 2 | 1 | 6 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 4 | 2 | - | - | - | 1* |
| DU = 27 | 6* | 6* | 4* | 2* | 4* | 1* | 1 | 2 | 5 | 3 | 7* | 6* | 8 | 8 | 8 | 8 | 8 | 2 | - | - | - | - | 5* | 6* |
| YB = 28 | 2* | 2* | 1* | - | - | - | - | - | - | - | 5* | 4 | 8 | 8 | 5 | 3* | - | - | - | - | - | - | - | 1* |
| VK6 = 29 | 2* | 3* | 2* | - | - | - | - | - | - | 3* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | 4* | 5* | 2* | 2* | - | - | - | - | - | 3* | 1* | 1* | - | - | - | - | - | - | - | - | - | 2* | 4* | 4* |
| KH6 = 31 | 5 | 3 | 3 | - | 1 | - | - | - | - | 1* | 2* | - | 1* | - | - | - | - | 5 | 7 | 8 | 8 | 7 | 4 | 3 |
| KH8 = 32 | 5 | 3 | - | - | 1 | 1 | - | 1* | 6* | 2* | - | - | 3* | 1* | - | - | - | - | 7 | 8 | 7 | 8 | 7 | 7 |
| CN = 33 | 1 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | 1 | 5 | 7 | 7 | 6 | 3 | 1 | 1 | 3 |
| SU = 34 | - | - | - | - | - | - | - | - | 2 | 2* | 2* | 2* | 2* | 1* | 1* | 2 | 2 | 3 | 4 | 2 | - | - | 1 | 5 |
| 6W = 35 | 4 | 1 | - | 4 | - | - | - | - | - | 2 | 3* | 2* | 3* | 1 | 2 | 2 | 6 | 8 | 8 | 7 | 3 | - | - | 6 |
| D2 = 36 | 1 | - | 2 | - | - | - | 1 | - | 4 | 4 | 2 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 |
| 5Z = 37 | - | - | - | 1* | 2* | 1* | - | - | - | - | 1* | 1* | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | 1* | 1* | 4 | 4 | 2 | 1 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | - | 1 | 1 | 3* | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Nov., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | 1 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 5 | 5 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 |
| W6 = 03 | - | - | 2 | 3 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 5 | 6 | 6 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| XE1 = 06 | 1 | 3 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| P4 = 09 | 4 | 4 | 4 | 4 | 4 | 3 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| HC = 10 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 |
| CE = 12 | 2 | 3 | 4 | 4 | 4 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 |
| I = 15 | 4 | 4 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 5 |
| UN = 17 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| UA9 = 18 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | - | 2 | - | - |
| 4X = 20 | 3 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 2 | 3 | 3 |
| HZ = 21 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 | 5 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 |
| SU = 34 | 3 | 3 | 2 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 4 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 6 | 5 |
| FJL = 40 | 4 | 4 | 3 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Nov., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | 1 | 2 | 4 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| W6 = 03 | 1 | 3 | 5 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| W3 = 05 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| XE1 = 06 | 4 | 6 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TI = 07 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| P4 = 09 | 7 | 7 | 7 | 7 | 7 | 6 | 8 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| HC = 10 | 5 | 6 | 7 | 6 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ |
| CE = 12 | 5 | 6 | 7 | 7 | 7 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| LU = 13 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| G = 14 | 8 | 8 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 |
| I = 15 | 7 | 7 | 7 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 8 |
| UN = 17 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 |
| UA9 = 18 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 1 | 5 | 1 | - |
| 4X = 20 | 6 | 5 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 4 | 5 | 6 | 6 |
| HZ = 21 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 8 | 8 |
| VU = 22 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 7 | 7 |
| JT = 23 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 2 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 1 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 5 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 |
| SU = 34 | 6 | 6 | 5 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 7 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 9 | 9 | 8 |
| FJL = 40 | 7 | 7 | 6 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Nov., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| W6 = 03 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 7 | 8 | 9 | 9 |
| UN = 17 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 6 | 7 | 7 | 7 |
| UA0 = 19 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 6 | 5 |
| 4X = 20 | 8 | 8 | 9 | 8 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 7 | 7 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 6 | 6 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 5 | 4 | 2 |
| HS = 26 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 6 | 6 | 4 |
| YB = 28 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | 1 | - | - |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9+ |
| SU = 34 | 8 | 9 | 9 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | 1 | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Nov., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 4 | 5 | 5 | 7 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 7 | 5 | 6 | 4 | 1 | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 7 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| W9 = 04 | 8 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 |
| W3 = 05 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | 8 | 6 | 2 | 1 | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | 8 | 6 | 2 | 1 | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 4 | 4 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | 3 | 4 | 5 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 6 | 7 | 7 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 7 |
| UA0 = 19 | 6 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 | 6 | 6 |
| 4X = 20 | 9 | 9 | 8 | 2 | 7 | 3 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 7 | 6 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 6 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 7 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 7 | 7 |
| VR2 = 24 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 7 | 5 | 6 |
| JA1 = 25 | 2 | 1 | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 6 | 7 | 5 | 6 |
| HS = 26 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 6 | 7 | 5 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 | 1 | 1 |
| KH6 = 31 | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 2 | 5 | 7 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | 1* | 2* | 2* | - | - | - | - |
| CN = 33 | 9 | 9 | 9+ | 9 | 9 | 6 | 6 | 8 | 5 | 4 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 6 | 5 | 3 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | 6 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| FR = 39 | 8 | 8 | 8 | 7 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | 7 | 6 | 5 | 2 | - | - | 2 | 6 | 4 | 1 | - | - | - | - | - | - | 2 | 3 | 7 | 7 | 6 | 6 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Nov., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 9 | 9 | 8 | 3 | 2* | 2* | 1* | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 8 | 6 | 4 | 7 | 8 | 8 | 3 | 3 | - | 5 | 8 | 8 | 5 | 3 | 2 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| W6 = 03 | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 5 | 8 | 6 | - | - | - | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 5 | 8 | 9 |
| W9 = 04 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 6 | 8 | 6 | - | 6 | 5 | 2 | 1 | 1 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 |
| W3 = 05 | 7 | 3 | 2 | 3 | 7 | 8 | 5 | 4 | 5 | 1 | 6 | 7 | 5 | 3 | 1 | 2 | 3 | 7 | 7 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 5 | - | 5 | 5 | 2 | 1 | 1 | 1 | 3 | 2 | 4 | 5 | 8 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 1* | - | - | 8 | 5 | 3 | 2 | 3 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 2 | 1* | 1* | 9 | 9 | 8 | 7 | 5 | 4 | 4 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 4 | 1 | 1* | 1 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | - | 7 | 8 | 6 | 5 | 4 | 2 | 3 | 3 | 5 | 7 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 3 | 2 | 2 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 7 | 7 | 9 | 9 | 7 | 1 | 2 | 9 | 9 | 8 | 6 | 3 | 1 | 2 | 3 | 6 | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 8 |
| I = 15 | 9+ | 9+ | 9+ | 9 | - | - | 4 | 9 | 8 | 6 | 5 | 2 | 2 | 2 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 5 | 6 | 6 | 2 | 2 | 5 | 7 | 8 | 8 | 7 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 8 | 8 | 7 | 5 | 4 | 1 | 3 |
| UN = 17 | 8 | 7 | 8 | 9 | 8 | 5 | 7 | 5 | 1 | 4 | 1 | 1 | 1 | 1 | 4 | 7 | 6 | 6 | 5 | 5 | 7 | 8 | 8 | 8 |
| UA9 = 18 | - | - | 1 | 8 | 7 | 3 | 6 | 6 | 6 | 5 | 2 | 1 | 1 | 1 | 4 | 1 | - | 2 | 2 | 3 | 5 | 5 | 3 | - |
| UA0 = 19 | 8 | 8 | 7 | 7 | 7 | 4 | 6 | 6* | 6* | 5 | 2 | - | - | - | - | - | - | 2 | 4 | 4 | 2 | 2* | 2* | 5 |
| 4X = 20 | 9 | 9 | 5 | 3 | 1 | 2 | 8 | 9 | 8 | 5 | 4 | 3 | 3 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 6 | 4 | 8 | 5 | 8 | 7 | 5 | 5 | 4 | 4 | 3 | 4 | 6 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 4 | - | 7 | 9 | 8 | 5 | 4 | 3 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 5 | 8 | 9 | 9 | 7 | 6 | 8 | 9 | 8 |
| JT = 23 | 3 | 8 | 9 | 7 | 7 | 2 | 5 | 5 | 6 | 4 | 1 | 1 | 1 | 2 | 1 | - | 2 | 2 | 3 | 5 | 6 | 5 | 1 | 1* |
| VR2 = 24 | 8 | 8 | 7 | 4 | 2 | 1 | 1 | 2* | 8 | 3* | 2* | 1* | - | 1 | 2 | 3 | 7 | 8 | 8 | 9 | 9 | 6 | 1* | 4 |
| JA1 = 25 | 8 | 7 | 5 | 4 | 4 | 4* | 5 | 7* | 6* | 5* | 3* | 1* | - | - | - | 1 | 4 | 5 | 7 | 6 | 2* | 2* | 8 | 8 |
| HS = 26 | 8 | 9 | 8 | 7 | 5 | 3 | 1 | 1 | 2* | 1 | 1 | 1 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| DU = 27 | 8 | 8 | 6 | 3 | 1 | - | 1* | 3* | 8 | 4* | 3* | 1* | - | - | 1 | 4 | 8 | 8 | 8 | 9 | 8 | 1 | 1* | 8 |
| YB = 28 | 9 | 9 | 8 | 5 | 2 | 1 | 1 | 1 | 3* | 1 | 1* | 1 | 1 | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 7 | 5 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 4 | 5 | 6 | 6 | 5 | 6 | 7 | 7 | 8 | 8 |
| VK3 = 30 | 6 | 5 | 4 | 3 | 3 | 2 | 3 | 7 | 6 | 2 | 2 | 1 | - | - | 1 | 2 | 2 | 3 | 5 | 6 | 8 | 8 | 8 | 8 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 4 | 3 | 2 | - | - | - | - | - | 2 | 7 | 6* | 5* | 2 | 2 | 4 |
| KH8 = 32 | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | - | - | 1* | 4* | 5* | 7* | 7* | 6* | 3* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 8 | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9+ | 5 | 1 | 2 | 8 | 9 | 8 | 6 | 4 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 9 | 6 | 6 | 7 | 9 | 9 | 8 | 7 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9 | 6 | 2 | 1* | 1* | 5 | 9 | 9 | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | 3 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | - | 1* | 1* | 1* | 1* | 1* | 2* | 2 | 8 | 8 | 5 | 3 | 2 | 2 | 3 | 5 | 8 | 6 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Nov., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 8 | 6 | 1 | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 1 | - | - | - | 2 | 2 | - | - | - | - | 7 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 2* |
| W6 = 03 | 9 | 8 | 5 | 1 | - | - | 1 | - | 2 | 1 | - | - | - | - | 5 | 6 | 6 | 5 | 7 | 7 | 8 | 9 | 9 | 9 |
| W9 = 04 | 8 | 6 | 2 | 1 | 1 | 1 | 1 | - | 2 | - | - | - | 8 | 6 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 3* | - | - | - | - | 3 | - | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 7 |
| XE1 = 06 | 9 | 5 | 4 | 4 | 3 | 2 | 3 | 1 | 4 | 1 | - | - | 8 | 7 | 8 | 5 | 9 | 5 | 5 | 8 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9 | 9 | 8 | 8 | 8 | 7 | 2 | 1 | - | - | - | 8 | 8 | 8 | 7 | 6 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 8 | 5 | 1 | 4 | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9 | 6 | 5 | - | - | - | - | 9+ | 9 | 9 | 7 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 8 | 9 | 8 | 5 | 3 | 1 | - | 5 | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 2* | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 7 | 8 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | 1 | 2 | - | - | - | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 4 | 9 | 7 | 4 | 1 | - |
| I = 15 | 7 | 7 | 7 | 1 | - | - | 3* | 8 | 9 | 9 | 7 | 7 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 |
| UA3 = 16 | - | - | - | - | 3* | 3* | 2 | 8 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 8 | 3 | 2 | - | - | - | - | - |
| UN = 17 | 2 | 2 | 4 | 8 | 6 | 1 | 6 | 8 | 7 | 7 | 8 | 7 | 7 | 8 | 8 | 3 | - | 1 | - | - | 1 | 2 | 3 | 3 |
| UA9 = 18 | 1* | 1* | 2* | 2* | 5 | 2* | 3 | 8 | 8 | 7 | 8 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 6 | 9 | 8 | 8 | 5 | 3* | 4* | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 3* | 3* | 2* |
| 4X = 20 | 8 | 9+ | 6 | 2* | 3* | 2* | 4 | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 8 | 2* | 2* | 5 | 1 | 7 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 1* | 1* | 2 | 9 | 6 | 2 | 7 | 7 | 7 | 8 | 9 | 6 | 6 | 5 | 8 | 9 | 9 | 7 | 1 | - | - | - | 1 | - |
| JT = 23 | 1* | 2 | 8 | 8 | 4 | 2* | 3 | 8 | 7 | 7 | 7 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 8 | 9 | 8 | 6 | 2 | 2* | 5 | 4 | 6 | 7* | 8 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 6 | 6 | 5 | - | 2* | 2* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 4* | 5* | 5* | 8 | 8* | 8* | 6* | 5* | 3* | 1* | - | - | - | - | - | - | 2* | 4* | 3* | 8 |
| HS = 26 | 5 | 9 | 9 | 6 | 2 | 2 | 5 | 6 | 7 | 7 | 8 | 5 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 2 | 1 |
| DU = 27 | 9 | 9 | 8 | 6 | 3* | 3* | 5 | 5 | 7* | 8* | 8 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 2 | 2* | 3* | 7 |
| YB = 28 | 9 | 9 | 6 | 3 | 1 | 1 | 5 | 4 | 8 | 7 | 8 | 5 | 5 | 6 | 7 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 7 | 8 |
| VK6 = 29 | 8 | 7 | 3 | 4 | 2 | 2 | 6 | 7 | 7 | 7 | 8 | 5 | 5 | 5 | 2 | 2* | 4* | 4* | 4* | 2* | 1* | 2* | 2* | 3 |
| VK3 = 30 | 8 | 7 | 5 | 3 | 2 | 1 | 4 | 7 | 7 | 6 | 6 | 5 | 3 | 2* | 2* | 3* | 4* | 4* | 3* | 5* | 5 | 7 | 8 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 8 | 6 | 2 | 4* | 4* | 5* | 5* | 3* | 2* | 2* | 1* | - | 5 | 5 | 5 | 8* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 5* | 4* | 4 | 4 | 7* | 8* | 8* | 7* | 6* | 5 |
| CN = 33 | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | 9+ | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 8 | 1* | 5* | 2* | 3 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 1 | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 6 | 4* | 4* | 2* | 8 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | - | - | 2* | 3* | 1* | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 |
| FR = 39 | 6 | 4 | 3* | 6 | 3 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| FJL = 40 | - | 1* | 2* | 2* | 2* | 2* | 3* | 4* | 5 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Nov., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 7 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 6* | 4* | - |
| W6 = 03 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | 1* | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5* |
| XE1 = 06 | 5 | 1* | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 6 | 6 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 8 | 2 | 3 | 2 | 1 | 4 | - | - | - | - | - | 3 | 9 | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 7 | 5 | 2 | - | - | - | - | - | - | - | 9+ | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| P4 = 09 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| HC = 10 | 9 | 9 | 9 | 8 | 7 | 5 | 3* | 1* | - | - | - | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| PY1 = 11 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9+ | 1 | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9+ | 9+ | 9 | 8 | 7 | 5 | 3 | 4* | 4 | 5 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 8 | 5 | 6 | 4 | 1 | 2* | 3 | 8 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 3 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - |
| I = 15 | 1 | 1 | 1 | - | - | - | 1* | 2* | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 | 5 | 2 |
| UA3 = 16 | - | - | - | - | - | 1* | 1* | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - |
| UN = 17 | 1* | 3* | 3* | 5 | 2 | 1* | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | 3* | 2* | 2* | 2* | 1 | - | - | 8 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 6 | 7 | 7 | 2 | - | 1* | 5 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 2* | 5* | 4* |
| 4X = 20 | 8 | 6 | 1 | - | 4* | 2* | 1* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 9+ | 9 |
| HZ = 21 | 6 | 4 | 1* | 3* | 3* | 1* | 4 | 6 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | - | 4* | 4* | 8 | 3 | 1* | 5 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 8 | 6 | - | - | - | - | - | - | - |
| JT = 23 | 4* | 3* | 4 | 6 | 2* | 1* | 1 | 6 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 4* |
| VR2 = 24 | 6 | 9 | 8 | 5 | 2* | 2* | 4 | 6 | 6 | 7* | 6* | 6 | 6 | 8 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | 4* | 5* |
| JA1 = 25 | 8 | 5 | 4 | 4 | 2* | 1* | 1* | 5 | 8 | 7* | 5* | 4* | 1* | - | - | - | - | - | - | - | - | 5* | 5* | 6 |
| HS = 26 | 4* | 8 | 6 | 4 | 2* | 1* | 4 | 7 | 7 | 8 | 6 | 7 | 7 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | - | 4* |
| DU = 27 | 9 | 8 | 7 | 4 | 4* | 2* | 4 | 6 | 6 | 8* | 7* | 5 | 6 | 7 | 8 | 8 | 8 | 7 | 3 | 2 | - | - | 5* | 5* |
| YB = 28 | 8 | 7 | 3* | 1 | 1* | - | 3 | 5 | 6 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 2* | 6 |
| VK6 = 29 | 5* | 5* | 3* | 2* | 1* | - | 3 | 5 | 5 | 6 | 6 | 5 | 4* | 3* | 2* | 3* | 3* | 2* | - | - | - | - | 3* | 4* |
| VK3 = 30 | 7 | 4 | 3* | 2* | 2* | - | 1 | 5 | 6 | 6* | 5* | 5* | 4* | 3* | 2* | 3* | 2* | 1* | - | 1* | 5* | 5 | 7 | 8 |
| KH6 = 31 | 8 | 8 | 8 | 8 | 5 | 1 | 1* | 5* | 5* | 6* | 5* | 2* | 1* | 1* | - | - | 2 | 7 | 7 | 8* | 8* | 7 | 7 | 7 |
| KH8 = 32 | 7 | 7 | 8 | 7 | 8 | 7 | 7 | 7 | 8 | 9 | 8 | 7 | 5* | 4* | 3* | 1* | 5 | 6 | 6 | 8* | 8* | 7* | 6 | 6 |
| CN = 33 | 9 | 6 | 3 | 5 | - | - | - | - | 4 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 8 | 4 | - | 4* | 2* | 1* | 9 | 9 | 9 | 5 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ |
| 6W = 35 | 9+ | 9 | 9 | 9+ | 9 | 1 | - | - | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| D2 = 36 | 9+ | 9+ | 9 | 8 | 4 | 4 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 6 | 4 | 1 | 5* | 3* | 1* | 5 | 9 | 9 | 6 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 3* | 1* | 1 | - | 1 | 1 | 4 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 5 | 4 | 1 |
| FR = 39 | 1 | 1* | 3* | 2* | 1* | 2 | 7 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 |
| FJL = 40 | - | - | - | 1* | 1* | - | 1* | 1* | - | 5 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Nov., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 6* | 4 | 3* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 5* | 4 | 2* | - | - |
| W6 = 03 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 4 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 5* | 2* |
| XE1 = 06 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 6 |
| TI = 07 | 1 | - | - | - | - | - | - | - | - | - | - | - | 8 | 7 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 7 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 2 | 9+ | 3 | 2 | 2 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 3 |
| P4 = 09 | 2 | 2 | - | - | - | - | - | - | - | - | - | 9 | 2 | 1 | 1 | 3 | 6 | 9 | 9 | 9+ | 9 | 7 | 6* | 4* |
| HC = 10 | 7 | 6 | 4 | 2 | 4 | 1 | 1* | - | - | - | - | 8 | 4 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| PY1 = 11 | 9+ | 9+ | 9 | 9 | 8 | 7 | 3 | 3 | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | 8 | 8 | 9 | 9 | 8 | 6 | 9+ | 9+ |
| CE = 12 | 9 | 8 | 5 | 1 | 2 | 1 | - | - | - | - | 2 | 5 | 4 | 3 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 5 | 1 | 1* | 1 | - | - | - | - | - | 4 | 3 | 1 | 2 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 6 | 1 | 8 | 8 | 7 | 5 | 5 | 8 | 3 | 8 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 2 | 5 | 2* | 1 | 1 | - | 1 | 6 | 9 | 9+ | 9 | 6 | 3 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 5 | - | - | - | - | - | - | - | - |
| UN = 17 | - | 5* | 2* | 1 | 1* | - | 1 | 3 | 9 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | 3* | 1* | - | - | - | - | - | 9 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 2* | 1 | 4 | - | - | - | 1* | 7 | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* | |
| 4X = 20 | 1 | - | - | - | 2* | 1* | - | - | 6 | 3* | 2* | 2* | 1* | - | 1 | 6 | 9 | 9 | 8 | 5 | 9 | 9 | 8 | 5 |
| HZ = 21 | - | - | - | 2* | 1* | 1* | - | - | 8 | 7 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 2 |
| VU = 22 | - | 5* | 3* | 6 | 1* | 1* | 3 | 6 | 8 | 5 | 5* | 5 | 8 | 9 | 8 | 6 | - | - | - | - | - | - | - | - |
| JT = 23 | 5* | 3* | 1* | 3 | 1* | 1* | - | 1* | 6 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5* | 7 | 4 | 2 | 2* | 1* | 1 | 5 | 5 | 7* | 6* | 5 | 8 | 7 | 4 | 5 | 3 | - | - | - | - | - | - | 5* |
| JA1 = 25 | 4 | 3* | 2* | 1 | - | - | - | - | 5 | 6* | 3* | 1* | - | - | - | - | - | - | - | - | - | 5* | 5* | 5* |
| HS = 26 | 5* | 6 | 4* | 2* | 1* | 1* | 2 | 5 | 5 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | 2* |
| DU = 27 | 8 | 6 | 4* | 2* | 2* | 1* | 2 | 5 | 6 | 6* | 6* | 6 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | 6* | 5* |
| YB = 28 | 6 | 3* | 1* | - | - | - | 1 | - | 2 | 2* | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | 3* |
| VK6 = 29 | 5* | 5* | 2* | 1* | 1* | - | 1 | - | - | 5* | 6* | 5* | 4* | 2* | 2* | 1* | - | - | - | - | - | - | - | 3* |
| VK3 = 30 | 5* | 4* | 3* | 2* | 1* | - | - | - | 2 | 6* | 5* | 5* | 3* | 2* | 1* | 1* | - | - | - | - | 1* | 5* | 5* | 5 |
| KH6 = 31 | 6 | 5 | 5 | 2 | - | - | - | 1* | 5* | 5* | 2* | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 7 | 6 | 5 |
| KH8 = 32 | 6 | 6 | 5 | 2 | 5 | 4 | 2 | 4 | 7* | 8 | 7 | 6* | 5* | 2* | - | - | - | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| CN = 33 | 2 | - | - | - | - | - | - | - | - | 2 | 3 | 2 | 1 | - | 1 | 7 | 9+ | 9+ | 9+ | 8 | 8 | 6 | 4 | 5 |
| SU = 34 | 5 | 1 | - | - | - | 1* | - | - | 5 | 2* | 2* | 1* | 1* | - | - | 5 | 8 | 8 | 7 | 4 | 2 | 2 | 5 | 8 |
| 6W = 35 | 7 | 4 | 2 | 8 | 4 | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 4 | 2 | 7 |
| D2 = 36 | 9 | 6 | 7 | 3 | - | - | 6 | 4 | 8 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 2* | 2* | 1* | - | - | - | 1* | 2* | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | 4* | 2 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | 1 | - | - | - |
| FR = 39 | - | - | 1* | - | 1* | - | 4 | 2 | 5 | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Nov., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3* | 1* | 1* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 3 | 5 | 2 | 2* | 2* | 1 | - | - | - |
| W6 = 03 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 5 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 6 | 6 | 6 | 5 | 2 | 4 | 2* | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | - | 1 | 5 | 9 | 9 | 8 | 9 | 8 | 7 | 1* |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 1 | 4* | 6 | 8 | 8 | 9 | 8 | 6 | 4* | 2* |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9 | - | - | 2* | 2* | 3* | 5 | 7 | 9+ | 9 | 6 | 1 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - | 1* | 1* | 1 | 4 | 6 | 7 | 5* | 5* | 4* | - |
| HC = 10 | 2 | 2 | - | - | 1 | - | - | - | - | - | - | 1 | - | - | 1* | 2* | 4 | 6 | 8 | 8 | 7 | 5 | 5* | 2* |
| PY1 = 11 | 9+ | 9 | 7 | 4 | 5 | 1 | - | - | - | 8 | 9 | 8 | 7 | 9 | 9+ | 9+ | 1 | 2 | 4 | 3 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 |
| LU = 13 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 3 |
| G = 14 | - | - | - | - | - | - | - | - | - | 6 | 2 | 1 | 8 | 8 | 8 | 9 | 8 | 1 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 2* | 2* | 1* | 1* | - | - | 1 | 5 | 9 | 5 | 1 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 4 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | 1* | - | - | - | - | - | - | 8 | 7 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 1* | - | - | - | - | - | - | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 1* | - | 1 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 4* |
| 4X = 20 | - | - | - | - | 1* | - | - | - | - | - | 1* | 1* | - | - | - | - | 3 | 3 | 1 | - | 4 | 2 | 2 | - |
| HZ = 21 | - | - | - | - | 1* | - | - | - | 5 | 1 | 1* | 1 | 5 | 6 | 7 | 8 | 9 | 7 | 5 | 3 | 1 | 1 | - | - |
| VU = 22 | - | 2* | 1* | 2 | 1* | - | 1 | - | 2 | - | 2* | 4* | 3 | 8 | 6 | - | - | - | - | - | - | - | - | - |
| JT = 23 | 3* | 1* | - | - | - | - | - | - | - | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 4* | 2* | - | 1* | - | - | - | 1 | 2* | 5* | 3* | 8 | 5 | 1* | 2 | - | - | - | - | - | - | - | 5* |
| JA1 = 25 | 2* | 1* | 1* | - | - | - | - | - | - | 3* | 1* | - | - | - | - | - | - | - | - | - | - | 2* | 6* | 4* |
| HS = 26 | 4* | 3* | 2* | 1* | 1* | - | 1 | - | - | 1 | 5* | 7 | 8 | 8 | 7 | 5 | 3 | 2 | - | 1 | - | - | - | - |
| DU = 27 | 6 | 3* | 2* | - | 2* | - | 1 | 1 | 1 | 1* | 6* | 5* | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | 1* | 6* |
| YB = 28 | 2 | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 8 | 7 | 6 | 5 | 4 | - | - | - | - | - | - |
| VK6 = 29 | 1* | 2* | 1* | - | - | - | - | - | - | 1* | 4* | 2* | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 4* | 4* | 1* | 1* | - | - | - | - | - | 5* | 3* | 2* | 1* | 1* | - | - | - | - | - | - | - | 1* | 2* | 3* |
| KH6 = 31 | 2 | 1 | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 4 | 8 | 8 | 7 | 5 | 1 | 1* |
| KH8 = 32 | 5 | 3 | 1 | 1* | 2 | 1 | - | - | 3* | 2 | 2 | 3* | 2* | - | - | - | - | 2 | 6 | 7 | 8 | 7 | 6 | 6 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | 1 | 5 | 5 | 4 | 1 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | 2 | 2 | 1 | - | - | - | - | 2 |
| 6W = 35 | 1 | - | - | 4 | - | - | - | - | - | - | 2* | 4 | 6 | 6 | 5 | 4 | 5 | 6 | 5 | 1 | - | - | - | 1 |
| D2 = 36 | 5 | - | 3 | - | - | - | 1 | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| 5Z = 37 | - | - | - | - | 1* | - | - | - | - | - | 1* | 1* | 4 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 5 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 2 | 5 | 5 | 5 | 4 | 4 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | - | - | - | 1 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Dec., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 2 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 |
| W6 = 03 | - | 2 | 3 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 5 | 5 | 5 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| W3 = 05 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| XE1 = 06 | 1 | 3 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 5 | 5 | 5 | 5 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 |
| P4 = 09 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| HC = 10 | 2 | 3 | 3 | 4 | 4 | 3 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 |
| CE = 12 | 2 | 3 | 4 | 4 | 4 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 4 | 5 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 4 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| UN = 17 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 5 |
| UA9 = 18 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| 4X = 20 | 2 | 4 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 2 |
| HZ = 21 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 | 5 |
| VU = 22 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| JT = 23 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 6 |
| SU = 34 | 4 | 4 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 4 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FR = 39 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 5 | 5 |
| FJL = 40 | 4 | 4 | 4 | 4 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Dec., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 1 | 2 | 4 | 5 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 |
| W6 = 03 | 2 | 5 | 6 | 7 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| XE1 = 06 | 4 | 6 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TI = 07 | 6 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 5 |
| P4 = 09 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| HC = 10 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ |
| CE = 12 | 5 | 6 | 7 | 7 | 7 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 7 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 |
| G = 14 | 7 | 8 | 7 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 7 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 8 |
| UN = 17 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 8 |
| UA9 = 18 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 2 | 1 |
| 4X = 20 | 5 | 7 | 6 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 5 | 5 |
| HZ = 21 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 |
| VU = 22 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| JT = 23 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 1 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - |
| VK3 = 30 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 9 |
| SU = 34 | 7 | 7 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 7 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FR = 39 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 |
| FJL = 40 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Dec., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 7 | 7 | 7 | 8 | 8 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 4 | 5 | 5 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 9 |
| W6 = 03 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| W9 = 04 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| XE1 = 06 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 8 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 |
| I = 15 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 5 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 6 | 7 | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 6 | 7 | 7 |
| UA0 = 19 | 5 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 7 | 7 | 7 | 7 |
| 4X = 20 | 8 | 9 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 8 | 9 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 6 | 7 | 7 |
| VR2 = 24 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 6 | 6 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 | 5 | 3 |
| HS = 26 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 6 | 6 | 7 | 5 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 7 | 8 | 7 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 6 | 2 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| KH6 = 31 | - | - | 2 | 4 | 7 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | 4 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | 2 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 3 | 1 | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 9 | 8 | 8 | 7 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Dec., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 8 | 7 | 6 | 5 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 7 | 7 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 4 | 6 | 5 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 8 |
| W6 = 03 | 7 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 |
| W3 = 05 | 9 | 8 | 7 | 8 | 8 | 8 | 7 | 5 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 |
| TI = 07 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | 1 | 8 | 6 | 2 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 2 | 8 | 6 | 2 | 1 | - | - | - | - | - | 2 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 8 | 5 | 5 | 7 | 5 | 2 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 4 | 2 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 8 | 7 | 6 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 6 | 7 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 6 | 6 | 4 | 2 | 1 | 3 | 3 | 1 | 1 | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 6 | 5 | 2 | 4 |
| 4X = 20 | 8 | 9 | 8 | 5 | 3 | 4 | 6 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 7 | 4 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 6 | 1 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 8 | 8 | 7 | 8 |
| JT = 23 | 7 | 7 | 7 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 7 | 7 | 5 | 6 |
| JA1 = 25 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 | 4 | 6 | 6 |
| HS = 26 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 4 | 2 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 6 | 5 | 6 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 1 | 1 | - |
| KH6 = 31 | - | 2 | 5 | 7 | 8 | 8 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | - | 1 | 7 | 6 | 4 | 1 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 7 | 2 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| FR = 39 | 8 | 8 | 8 | 8 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 5 | 5 | 3 | - | - | - | - | - | 5 | 2 | - | - | - | - | - | - | 3 | 5 | - | 2 | 1 | 2 | 3 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Dec., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 5 | 2* | 3* | 1* | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| VO2 = 02 | 7 | 3 | 4 | 5 | 5 | 6 | - | 2 | - | - | 7 | 7 | 5 | 3 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 5 |
| W6 = 03 | 9 | 9 | 8 | 5 | 5 | 3 | 4 | 2 | 7 | 7 | 2 | - | - | - | 1 | 1 | 1 | 2 | 2 | 5 | 6 | 7 | 8 | 9 |
| W9 = 04 | 9 | 8 | 8 | 5 | 5 | 7 | 6 | 3 | 8 | 8 | 1 | 4 | 5 | 3 | 1 | 2 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 |
| W3 = 05 | 7 | 4 | 4 | 1 | 5 | 8 | 3 | 1 | 5 | 1 | 4 | 7 | 6 | 3 | 1 | 1 | 4 | 5 | 7 | 9 | 9 | 9 | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 8 | 6 | - | 3 | 5 | 2 | 2 | 1 | 1 | 1 | 2 | 4 | 5 | 7 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | 8 | 5 | 4 | 2 | 2 | 3 | 5 | 2 | 6 | 8 | 9 | 9 | 9+ |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 | - | 1* | 4 | 9 | 8 | 7 | 5 | 4 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 3 | - | - | - | 9 | 8 | 7 | 4 | 3 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 9 | 7 | 6 | 3 | - | 6 | 7 | 5 | 4 | 4 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 2 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 3 | 2 | 2 | 4 | 8 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 6 | 5 | 6 | 7 | 4 | - | - | 9 | 9 | 8 | 6 | 3 | 1 | 1 | 3 | 6 | 8 | 9 | 9 | 8 | 9 | 8 | 6 | 6 |
| I = 15 | 9+ | 9+ | 9 | 5 | - | - | 2* | 9 | 9 | 7 | 5 | 3 | 2 | 2 | 4 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| UA3 = 16 | 6 | 6 | 6 | 5 | 2 | 3* | 6 | 9 | 8 | 8 | 4 | 2 | 2 | 2 | 4 | 6 | 8 | 7 | 6 | 5 | 5 | 3 | 2 | 4 |
| UN = 17 | 8 | 6 | 6 | 8 | 8 | 5 | 7 | 6 | 2 | 4 | 1 | 1 | 1 | 2 | 4 | 6 | 5 | 5 | 5 | 4 | 5 | 7 | 8 | 8 |
| UA9 = 18 | 1 | - | - | 2 | 7 | 2 | 5 | 7 | 7 | 6 | 2 | 1 | 1 | 3 | - | - | - | - | - | 1 | 4 | 6 | 6 | 3 |
| UA0 = 19 | 2 | 8 | 8 | 8 | 6 | 3* | 5 | 8 | 6* | 6 | - | - | - | - | - | - | - | 1 | 1 | 1 | - | 3* | 2* | 2* |
| 4X = 20 | 9 | 9 | 8 | 1* | 1* | 3 | 8 | 9 | 8 | 6 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HZ = 21 | 9 | 8 | 2 | - | 7 | 5 | 7 | 8 | 5 | 4 | 4 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 1 | - | 2 | 9 | 8 | 6 | 5 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 4 | 5 | 8 | 9 | 9 | 8 | 7 | 8 | 8 | 7 |
| JT = 23 | 1* | 3 | 8 | 8 | 6 | 2 | 6 | 6 | 4 | 2 | 2 | 1 | 2 | - | - | - | - | - | 1 | 2 | 5 | 5 | 3 | 1* |
| VR2 = 24 | 8 | 8 | 8 | 6 | 3 | 2 | 1 | 3* | 8 | 3* | 1* | - | - | 1 | 2 | 3 | 8 | 8 | 8 | 8 | 8 | 6 | 1* | 2 |
| JA1 = 25 | 8 | 7 | 6 | 5 | 4 | 4* | 5* | 6* | 7* | 5 | 2* | 1* | - | - | - | - | - | 1 | 1 | 1 | 2* | 2* | 2* | 7 |
| HS = 26 | 5 | 9 | 8 | 7 | 4 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2 |
| DU = 27 | 8 | 8 | 6 | 3 | 1 | - | 2* | 2* | 8 | 4* | 2* | 1* | - | - | 1 | 4 | 8 | 8 | 8 | 9 | 7 | 2* | 1* | 7 |
| YB = 28 | 9 | 9 | 7 | 5 | 2 | 1 | 1 | - | 2* | 1 | 1 | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 7 | 5 | 3 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 8 |
| VK3 = 30 | 5 | 4 | 3 | 2 | 2 | 2 | 2 | 4 | 8 | 1 | 1 | 1 | - | 1 | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 8 | 7 | 6 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 7 | 2 | 1 | 1 | - | - | - | - | 1 | 2 | 7 | 6* | 5* | 3 | 4 | 5 |
| KH8 = 32 | 1 | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 3 | 1 | - | - | 1* | 3* | 3* | 7 | 6* | 6* | 1* | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 8 | 1 | - | - | 1 | 9 | 8 | 8 | 6 | 5 | 4 | 5 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | - | 1* | 2 | 8 | 9 | 8 | 7 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9 | 7 | 2 | 5 | 5 | 9 | 9 | 8 | 7 | 4 | 3 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 9+ | 6 | 4 | 1 | 1* | 3 | 8 | 9 | 9 | 8 | 8 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 7 | 5 | 3 | 2 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | - | - | 1* | 2* | 2* | 2* | 3* | 2* | - | 8 | 5 | 4 | 2 | 2 | 4 | 5 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Dec., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 2 | 2* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 8 |
| VO2 = 02 | 1 | - | - | - | - | 1 | - | - | - | - | - | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 4* | 1* |
| W6 = 03 | 9 | 7 | 1 | 1* | - | - | - | - | 2 | 2 | - | - | - | - | 3 | 6 | 7 | 5 | 7 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 7 | 3 | 1 | - | - | - | - | - | 4 | 2 | - | - | 6 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 |
| W3 = 05 | 2* | - | - | - | - | 2 | - | - | - | - | - | 5 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 |
| XE1 = 06 | 8 | 3 | 4 | 4 | 5 | 5 | 2 | - | 3 | 1 | - | - | 7 | 8 | 8 | 8 | 9 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| TI = 07 | 9 | 6 | 6 | 6 | 7 | 5 | 1 | - | - | - | - | 7 | 8 | 8 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| VP2 = 08 | 9+ | 9 | 9 | 6 | 5 | 2 | - | - | - | - | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 8 | 5 | 6 | 2 | - | - | - | - | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | 4* | 1* | - | - | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 1* | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 5* | 5 | 7 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 5* | 5 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | 1 | - | - | - | - | 3 | 9 | 9 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 6 | 3 | 1 | - | - |
| I = 15 | 8 | 6 | 4 | - | - | - | - | 3* | 9 | 9 | 8 | 6 | 5 | 6 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| UA3 = 16 | - | - | - | - | - | 2* | 4* | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | - | - | - | - | - | - | - |
| UN = 17 | 1 | 2* | 2* | 5 | 6 | 2 | 6 | 8 | 8 | 7 | 8 | 7 | 7 | 7 | 7 | 2 | - | - | - | - | - | 1 | 3 | 5 |
| UA9 = 18 | 1* | 1* | 1* | 2* | 2 | 3* | 2* | 7 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 2 | 6 | 6 | 4* | 4* | 5* | 8 | 8 | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 3* |
| 4X = 20 | 8 | 9 | 2 | - | 5* | 3* | 2 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| HZ = 21 | 9 | 6 | - | 4* | 3* | 2* | 4 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | - | 2* | 2* | 8 | 7 | 2 | 5 | 8 | 7 | 8 | 8 | 5 | 6 | 7 | 8 | 9 | 8 | 8 | 3 | - | - | - | 1 | - |
| JT = 23 | 2* | 2* | 2* | 7 | 3 | 3* | 4* | 7 | 7 | 7 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 8 | 9 | 8 | 5 | 2 | 2* | 3 | 5 | 5 | 6 | 8 | 5* | 5 | 6 | 7 | 8 | 8 | 7 | 5 | 6 | 6 | - | 3* | 2* |
| JA1 = 25 | 8 | 5 | 2 | 4 | 5* | 5* | 5* | 7 | 8* | 7* | 6* | 5* | 3* | 1* | - | - | - | - | - | - | - | 4* | 4* | 2* |
| HS = 26 | 2* | 8 | 7 | 5 | 2 | 1 | 4 | 6 | 8 | 8 | 8 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 2* |
| DU = 27 | 9 | 8 | 7 | 5 | 2* | 2* | 4 | 5 | 6 | 7* | 8 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 6 | 5 | 1 | - | 3* | 3* |
| YB = 28 | 9 | 8 | 4 | 3 | - | - | 2 | 4 | 8 | 7 | 5 | 5* | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 |
| VK6 = 29 | 7 | 8 | 5 | 5 | 2 | 2 | 5 | 6 | 7 | 7 | 8 | 5 | 5 | 5 | 5 | 4 | 5* | 4* | 5* | 1* | 1* | 4* | 5* | 3* |
| VK3 = 30 | 8 | 7 | 5 | 4 | 2 | 2 | 3 | 6 | 7 | 7 | 7 | 5 | 4 | 1 | 1* | 3* | 3* | 5* | 4* | 5* | 6* | 8 | 8 | 8 |
| KH6 = 31 | 8 | 8 | 8 | 8 | 8 | 4 | 1 | 3* | 4* | 4* | 4* | 2* | 2* | 1* | - | - | 2 | 5 | 5 | 8* | 7* | 7 | 6 | 7 |
| KH8 = 32 | 5 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 5 | 4 | 2 | 4 | 5 | 4* | 8* | 8* | 7* | 5* | 5 |
| CN = 33 | 9+ | 7 | 3 | 2 | - | - | - | - | 8 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 8 | 5 | - | 4* | 3* | 2* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9 | 8 | 9 | 8 | 1 | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 4 | 1 | 1 | 3* | 3* | 1* | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| ZS6 = 38 | - | - | 1* | 3* | 2* | 1* | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| FR = 39 | 5 | 5 | 3 | 5 | 3 | 5 | 7 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| FJL = 40 | - | - | - | 1* | 2* | 1* | - | - | - | - | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Dec., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3* | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 7 | 5 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5* | 1* | - |
| W6 = 03 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 |
| W9 = 04 | 4* | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 5* |
| XE1 = 06 | 3* | 1* | 1* | - | - | - | - | - | - | - | - | - | 3 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 4 | 1* | 1 | - | 3 | 1 | - | - | - | - | - | 3 | 8 | 8 | 7 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 5 | 4 | 1 | - | - | - | - | - | - | - | 9 | 9+ | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 8 |
| P4 = 09 | 8 | 5 | 1 | - | 1 | - | - | - | - | - | 2 | 9 | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 |
| HC = 10 | 9 | 9 | 6 | 2 | 4 | 2 | 1* | - | - | - | - | 7 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 5 | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | 5* | 2* | 1* | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 9 | 9 | 8 | 5 | 5 | 3 | 1* | 5* | 2* | 1* | 7 | 8 | 5 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 8 | 1 | 3 | 1 | - | - | - | - |
| I = 15 | 4 | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 7 | 5 | 5 |
| UA3 = 16 | - | - | - | - | - | - | 2* | 2* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | - | - | - | - | - | - | - | - |
| UN = 17 | - | 2* | 4* | 3* | 2* | 1* | 2 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 4* | 3* | 3* | 2* | 2* | 1* | 2* | 9 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 3* | 3* | 3 | 2* | 2* | 3* | 4* | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 5* |
| 4X = 20 | 9 | 1 | - | - | 2* | 3* | 1* | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 5 | 9 |
| HZ = 21 | 6 | 2 | - | 5* | 2* | 1* | 1 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VU = 22 | - | 4* | 3* | 6 | 2 | 1 | 4 | 7 | 7 | 7 | 6 | 7 | 8 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | - | - |
| JT = 23 | 4* | 4* | 3* | 3 | 2* | 2* | 2* | 3 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5 | 7 | 4* | 3 | 2* | 1* | 1 | 5 | 6 | 7* | 7* | 5 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | 1 | 1 | - | 1* | 5* |
| JA1 = 25 | 4* | 4* | 4* | 4* | 4* | 4* | 2* | 2* | 2* | 7* | 5* | 2* | 1* | - | - | - | - | - | - | - | - | 6* | 5* | 4* |
| HS = 26 | 4* | 6 | 4* | 2* | 1* | - | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 3 | - | 2* |
| DU = 27 | 8 | 6 | 3* | 2 | 2* | 1* | 2 | 5 | 5 | 8* | 6* | 5 | 6 | 7 | 8 | 8 | 6 | 2 | - | - | - | - | 4* | 4* |
| YB = 28 | 8 | 5 | 1* | - | - | - | 1 | 1 | 5 | 6 | 8 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 6 |
| VK6 = 29 | 5* | 4* | 1* | 1 | - | - | 1 | 1 | 4 | 5 | 5 | 5* | 3* | 2* | 2* | 3* | 5* | 3* | - | - | - | - | 4* | 6* |
| VK3 = 30 | 7 | 4 | 2* | 1 | 1 | - | 1 | 2 | 6 | 7* | 5 | 4* | 4* | 3* | 3* | 4* | 4* | 3* | 1* | 1* | 4* | 6* | 6 | 6 |
| KH6 = 31 | 7 | 7 | 5 | 2 | 3 | - | - | 2* | 5* | 5* | 4* | 1* | - | - | - | - | - | 6 | 7 | 8* | 8* | 7 | 7 | 7 |
| KH8 = 32 | 6 | 7 | 7 | 7 | 8 | 7 | 6 | 6* | 8* | 8 | 8 | 7 | 4 | 2 | - | - | 2 | 5 | 6 | 7* | 8* | 7* | 6* | 5 |
| CN = 33 | 6 | 1 | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 6 | 6 | 8 |
| SU = 34 | 8 | - | - | - | 1* | 4* | 1* | 3 | 9 | 9 | 6 | 6 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9 | 5 | 1 | 6 | 2 | - | - | - | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ |
| D2 = 36 | 9+ | 8 | 9 | 6 | 2 | 1 | 6 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 2* | 2* | - | - | - | 5 | 3 | 3 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | 2 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 6 | 2 | - |
| FR = 39 | - | 2* | 1* | 1 | - | - | 5 | 6 | 8 | 8 | 9 | 9 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Dec., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 6* | 2* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 7 | 6 | 5* | 4* | 1* | - | - |
| W6 = 03 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 5* | 1* |
| XE1 = 06 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 5 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 4 |
| TI = 07 | 1* | - | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 4 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9+ | 5 | 3 | 3 | 4 | 5 | 9 | 9 | 9 | 8 | 7* | 6 | 1 |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 9 | 4 | 2 | 2 | 2 | 4 | 6 | 9 | 9 | 8 | 6* | 6* | 1 |
| HC = 10 | 5 | 3 | - | - | 1 | - | - | - | - | - | - | 5 | 4 | 4 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 8 | 7 |
| PY1 = 11 | 9 | 9 | 9 | 7 | 8 | 6 | 1 | - | - | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 7 | 4* | 9+ | 9+ | 9+ |
| CE = 12 | 5 | 5 | 2 | - | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 7 |
| LU = 13 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 7 | 4* |
| G = 14 | - | - | - | - | - | - | - | - | - | 8 | 1 | 2 | 1 | - | 1 | 1 | 4 | 3 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 1* | 4 | 4 | 1 | - | - | 1 | 5 | 9 | 9+ | 9 | 5 | 2 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | 4* | 1* | 2* | 1* | - | - | 8 | 8 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | 2* | 1* | 1* | - | - | - | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 4* | 3* | 2* | 1* | 1* | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 5* |
| 4X = 20 | 3 | - | - | - | - | 1* | - | - | 4 | 2 | 2* | 2 | 2 | 3 | 4 | 5 | 7 | 9 | 5 | 9 | 9 | 4 | 8 | 5 |
| HZ = 21 | 1 | - | - | 1* | 2* | 1* | - | 3 | 8 | 8 | 5 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 5 | 4 |
| VU = 22 | - | 3* | 3* | 1 | 1* | - | 1 | 1 | 7 | 5 | 3* | 6 | 8 | 9 | 8 | 3 | - | - | - | - | - | - | - | - |
| JT = 23 | 1* | 5* | 3* | 1* | 2* | 1* | - | - | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 4* | 2* | 1* | 1* | - | - | - | 4 | 2 | 6* | 5 | 7 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | 6* |
| JA1 = 25 | 4* | 3* | 2* | 1* | 1* | - | - | - | - | 5* | - | - | - | - | - | - | - | - | - | - | - | 2* | 5* | 5* |
| HS = 26 | 5* | 4* | 2* | - | - | - | - | - | 1 | 6 | 6 | 7 | 8 | 7 | 6 | 6 | 6 | 6 | 4 | 3 | 1 | - | - | 1* |
| DU = 27 | 6 | 4* | 2* | 1* | 1* | - | - | - | 3 | 3* | 6* | 6 | 8 | 8 | 7 | 6 | - | - | - | - | - | - | 3* | 5* |
| YB = 28 | 4 | 1* | - | - | - | - | - | - | - | - | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 1 | - | - | 1 |
| VK6 = 29 | 4* | 1* | - | - | - | - | - | - | - | - | 5* | 4* | 4* | 3* | 3* | 3* | 1* | - | - | - | - | - | - | 3* |
| VK3 = 30 | 5* | 2* | - | - | - | - | - | - | 1 | 6* | 4* | 4* | 4* | 4* | 3* | 2* | 2* | - | - | - | - | 2* | 4* | 5* |
| KH6 = 31 | 1 | 1 | - | - | - | - | - | - | 5* | 4* | 2* | - | - | - | - | - | - | 4 | 8 | 8 | 8* | 7 | 5 | 4 |
| KH8 = 32 | 4 | 5 | 5 | 2 | 5 | 3 | 1 | - | 7* | 7* | 7 | 5 | 1* | - | - | - | - | 2 | 7 | 7 | 7 | 6 | 6 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1 | 4 | 2 | - | - | 1 | 4 | 8 | 9 | 7 | 5 | - | - | - | 1 |
| SU = 34 | - | - | - | - | - | 1* | - | - | 2 | 1 | 2* | 2 | 2 | 2 | 3 | 5 | 7 | 8 | 8 | 6 | 4 | 3 | 5 | 7 |
| 6W = 35 | 4 | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 6 | 6 | 7 | 2 | - | 1 | 7 |
| D2 = 36 | 6 | 1 | 4 | 1 | - | - | 1 | - | 1 | 1 | 1 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | 1* | 4 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9+ | 9 | 2 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 2* | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 2 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | - | 2 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 7 | 2 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Dec., Ascension Island, for SSN = Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 2 | 2* | 3* | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 6 | 4 | 5 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 6 | 6 | 6 | 5* | 1 | 1 | 2* | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 2 | 4 | 8 | 8 | 6 | 7 | 7 | 6 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 | 5 | 6 | 5 | 8 | 7 | 6 | 4 | 1* |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 6 | 1 | - | 1* | 2* | 3* | 4 | 5 | 5 | 4* | 2* | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | 2* | 2* | 2* | 3* | 4 | 5* | 4* | 5* | 2* | - |
| HC = 10 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 6 | 5 | 4 | 2 |
| PY1 = 11 | 7 | 6 | 4 | 1 | 4 | 1 | - | - | - | - | 3 | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 8 | 6 | 4 | 2* | 1* |
| G = 14 | - | - | - | - | - | - | - | - | - | 1 | 5 | - | 6 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | 9 | 4 | 1 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | 1* | - | - | - | - | - | 5 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 9 | 6 | 5 | - | 2 | - |
| HZ = 21 | - | - | - | - | 1* | - | - | - | 2 | 1 | 1* | 5 | 6 | 7 | 7 | 8 | 8 | 6 | 5 | 2 | 1 | 1 | 1 | - |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - |
| JT = 23 | - | 1* | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 2* | 1* | - | - | - | - | - | - | - | - | 4* | 4 | 6 | 3 | 1 | 1 | - | - | - | - | - | - | - | 4* |
| JA1 = 25 | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 3* |
| HS = 26 | 2* | 1* | - | - | - | - | - | - | - | - | 1* | 7 | 6 | 5 | 1 | 2 | 2 | 1 | - | - | - | - | - | - |
| DU = 27 | 2 | 1* | - | - | - | - | - | - | - | - | 2* | 5 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | 1* | 3* |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 1 | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | 4* | 2* | 1* | 2* | 1* | 1* | - | - | - | - | - | - | - | - |
| VK3 = 30 | 2* | 1* | - | - | - | - | - | - | - | 2* | 2* | 3* | 3* | 2* | 2* | 1* | - | - | - | - | - | - | - | 3* |
| KH6 = 31 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | 1 | 7 | 8 | 7* | 4 | 2 | 1 |
| KH8 = 32 | 1 | 1 | - | - | 2 | 1 | - | - | 1* | 1* | 4 | 1 | - | - | - | - | - | - | 3 | 6 | 7 | 6 | 3 | 1 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 3 | - | - | - | 1 |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | 1 | 1* | 4 | 4 | 4 | 2 | 3* | 3* | 1* | 1 | - | - | - | 1 |
| D2 = 36 | - | - | - | - | - | - | - | - | - | - | - | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 6 | 6 | 6 | 4 | 6 | 8 | 6 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | 1 | 1 | 1 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 4 | 2 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jan., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | 2 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 |
| W6 = 03 | - | 1 | 3 | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| XE1 = 06 | 1 | 3 | 5 | 5 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 5 | 5 | 5 | 5 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| P4 = 09 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 |
| CE = 12 | 3 | 4 | 4 | 5 | 5 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| G = 14 | 4 | 4 | 3 | 3 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| I = 15 | 5 | 3 | 3 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA3 = 16 | 5 | 3 | 2 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| UN = 17 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| UA9 = 18 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| HZ = 21 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| VU = 22 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 5 | 5 |
| SU = 34 | 4 | 3 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | 4 | 4 | 3 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jan., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 1 | 2 | 3 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| W6 = 03 | 1 | 4 | 6 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W3 = 05 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 |
| XE1 = 06 | 4 | 6 | 8 | 8 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TI = 07 | 6 | 8 | 8 | 8 | 8 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| P4 = 09 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ |
| CE = 12 | 6 | 7 | 7 | 8 | 8 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| G = 14 | 7 | 7 | 6 | 6 | 7 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| I = 15 | 8 | 6 | 6 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| UA3 = 16 | 8 | 6 | 5 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 | 8 | 8 |
| UN = 17 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 |
| UA9 = 18 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | - |
| 4X = 20 | 6 | 6 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 6 |
| HZ = 21 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| VU = 22 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 |
| JT = 23 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 2 | 1 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | - | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 8 | 8 |
| SU = 34 | 7 | 6 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 7 | 7 | 6 | 5 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jan., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 7 | 7 | 8 | 8 | 7 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 3 | 5 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 7 | 8 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| W6 = 03 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| XE1 = 06 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| HC = 10 | 9 | 8 | 9 | 9 | 9 | 9 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 9 | 9 |
| UA3 = 16 | 8 | 9 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 5 | 6 | 7 | 8 | 8 |
| UA9 = 18 | 7 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 5 | 6 | 6 | 6 |
| UA0 = 19 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 5 | 6 | 7 | 7 |
| 4X = 20 | 9 | 9 | 9 | 6 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 7 | 7 | 7 | 7 |
| VR2 = 24 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 6 | 7 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 5 | 5 | 3 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 5 | 6 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 7 | 8 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 7 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | 1 | - | - |
| KH6 = 31 | - | - | 1 | 6 | 7 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 5 | 2 | 8 | 5 | 1 | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 4 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 4 | 1 | 1 | 1 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jan., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 8 | 6 | 5 | 2 | 1 | 1* | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 | 7 | 7 |
| VO2 = 02 | 8 | 7 | 8 | 7 | 8 | 5 | - | - | 3 | 6 | 5 | 1 | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 |
| W6 = 03 | 8 | 8 | 8 | 8 | 7 | 7 | 4 | 1 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 5 |
| W9 = 04 | 8 | 9 | 8 | 8 | 8 | 8 | 5 | 1 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 |
| W3 = 05 | 9 | 8 | 8 | 8 | 8 | 8 | 3 | - | 5 | 6 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 |
| TI = 07 | 9 | 8 | 8 | 8 | 8 | 8 | 5 | 4 | 6 | 2 | 2 | 2 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 3 | - | - | 8 | 7 | 2 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | 2 | 6 | 2 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 4 | 3 | - | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9 | 7 | 7 | 7 | 9+ | 9 | 5 | 8 | 8 | 7 | 6 | 3 | 2 | 2 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | 2 | 1 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 8 | 8 | 2 | 1 | - | 7 | 6 | 2 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 6 | 1 | - | 8 | 4 | 1 | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 3 | 4 | 5 | 1 | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 7 | 6 | 3 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 5 | 6 | 6 | 6 | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA0 = 19 | 6 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1* | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 6 | 5 | 5 |
| 4X = 20 | 8 | 8 | 2 | 1 | - | 3 | 1 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 | 9 | 8 | 8 |
| HZ = 21 | 8 | 7 | 4 | 2 | 5 | 3 | 4 | 1 | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| VU = 22 | 8 | 4 | 5 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 7 | 6 | 4 | 2 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 7 | 8 | 7 |
| VR2 = 24 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 6 | 7 | 4 | 2 |
| JA1 = 25 | 3 | 1 | 1 | 1 | - | - | 1 | 2* | 2* | 1* | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 6 | 6 | 5 |
| HS = 26 | 5 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 4 |
| DU = 27 | 4 | 2 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 3 | - | 5 |
| YB = 28 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 | 9 | 8 | 8 |
| VK6 = 29 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 | 7 | 7 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 5 | 1 | 1 |
| KH6 = 31 | - | 1 | 5 | 7 | 8 | 8 | 5 | 2 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 6 | 7 | 7 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 6 | - | - | 2 | 7 | 5 | 2 | 1 | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 8 | 8 | 8 | 1 | - | 2 | 7 | 6 | 2 | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 6 | 1 | 2 | 4 | 7 | 5 | 1 | 1 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 6 | 4 | 2 | 4 | 8 | 8 | 5 | 4 | 2 | 1 | - | - | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 7 | 6 | 7 | 6 | 5 | 3 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| FJL = 40 | 5 | 5 | 3 | 1 | - | 1* | 1 | - | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 4 | 4 | 4 | 5 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jan., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 7 | 4 | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 9 |
| VO2 = 02 | 4 | 1 | 3 | 1 | 5 | 1 | - | - | - | - | 7 | 7 | 5 | 3 | 4 | 4 | 7 | 7 | 9 | 9 | 9 | 9 | 8 | 6 |
| W6 = 03 | 9 | 8 | 6 | 5 | 2 | 1 | - | - | - | 7 | 1 | - | - | - | 2 | 1 | 2 | 4 | 2 | 4 | 5 | 7 | 8 | 8 |
| W9 = 04 | 9 | 7 | 6 | 4 | 4 | 6 | - | - | - | 6 | 1 | 4 | 6 | 4 | 2 | 3 | 2 | 6 | 6 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 7 | 5 | 3 | 2 | 5 | 4 | - | - | - | - | 4 | 7 | 6 | 4 | 4 | 4 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 7 | 8 | 8 | 8 | 8 | 1 | - | - | 8 | 2 | 4 | 5 | 4 | 2 | 3 | 2 | 2 | 3 | 5 | 6 | 8 | 9 | 9 |
| TI = 07 | 9 | 6 | 7 | 7 | 8 | 6 | - | - | 1 | 1* | - | 8 | 6 | 6 | 5 | 4 | 4 | 5 | 4 | 7 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9 | 8 | 9 | 5 | 2 | 1* | 1* | 1* | - | 9 | 9 | 7 | 5 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9 | 9 | 9 | 7 | 3 | 1* | 1* | 1* | 1* | 9 | 8 | 6 | 1 | - | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 8 | 9 | 7 | 5 | 1 | - | - | - | - | 7 | 5 | 4 | 3 | 3 | 4 | 5 | 6 | 8 | 8 | 8 | 9 | 9 |
| PY1 = 11 | 8 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 5 | 9+ | 9 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9+ | 9+ | 9 | 4 | 5 | 5 | 2 | 2* | 1 | 2 | 8 | 8 | 6 | 5 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 8 | 2 | 5 | 5 | 2 | 2* | 1 | 8 | 9 | 8 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 6 | 6 | 7 | 7 | 2 | - | - | - | 9 | 8 | 7 | 2 | 2 | 1 | 4 | 6 | 8 | 9 | 8 | 3 | 9 | 7 | 6 | 6 |
| I = 15 | 8 | 8 | 6 | 5 | - | - | 1* | 2 | 9 | 7 | 6 | 4 | 3 | 3 | 5 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 |
| UA3 = 16 | 7 | 7 | 7 | 4 | 2* | 1* | 1* | 6 | 8 | 9 | 5 | 2 | 2 | 2 | 5 | 7 | 8 | 7 | 6 | 5 | 5 | 4 | 5 | 5 |
| UN = 17 | 8 | 6 | 6 | 8 | 6 | 1 | 3 | 5 | 2 | 2 | 2 | 1 | 2 | 2 | 4 | 6 | 6 | 5 | 4 | 5 | 5 | 8 | 8 | 8 |
| UA9 = 18 | 1* | 1* | 1* | - | 5 | - | - | 5 | 5 | 6 | 3 | 2 | 1 | 3 | - | - | - | - | - | 2 | 4 | 6 | 6 | 3 |
| UA0 = 19 | 4 | 8 | 7 | 6 | 2 | 1* | 2* | 6 | 6 | 7 | 1 | - | - | - | - | - | - | 3 | 4 | 5 | 3 | 4* | 2* | 2* |
| 4X = 20 | 8 | 7 | 2 | 1* | 1* | 1* | 1 | 8 | 7 | 5 | 4 | 4 | 4 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 7 | 4 | - | - | 2 | - | 4 | 7 | 5 | 4 | 3 | 3 | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | 1 | 1* | 1 | 8 | 4 | 1 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 5 | 8 | 8 | 6 | 2 | 3 | 4 | 6 | 5 |
| JT = 23 | 1* | 1 | 8 | 8 | 4 | 1* | 1 | 5 | 5 | 5 | 4 | 3 | 4 | 2 | - | - | - | - | 1 | 4 | 6 | 6 | 4 | 1* |
| VR2 = 24 | 7 | 8 | 5 | 2 | - | - | 1 | 1 | 8 | 4* | 4* | 1* | - | - | 2 | 5 | 7 | 7 | 7 | 7 | 8 | 6 | 2* | 2* |
| JA1 = 25 | 8 | 6 | 5 | 5 | 2 | 2* | 2* | 5 | 7* | 6* | 3* | 1* | - | - | - | - | 2 | 2 | 4 | 4 | 1 | 3* | 2* | 7 |
| HS = 26 | 1 | 8 | 4 | 2 | - | - | 2 | 2 | 1 | 3 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 2 | 1* |
| DU = 27 | 8 | 7 | 4 | 1 | - | - | 1 | 2 | 8 | 5* | 5* | 1* | - | - | 2 | 4 | 7 | 6 | 4 | 5 | 2 | - | 2* | 2* |
| YB = 28 | 8 | 8 | 5 | 3 | - | - | 1 | 1 | 1 | 2 | 2* | 1 | 1 | 3 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VK6 = 29 | 8 | 7 | 4 | 4 | 1 | 1 | 2 | 4 | 2 | 3 | 3 | 1 | 1 | 2 | 4 | 6 | 6 | 5 | 2* | 1* | - | 2* | 1* | 6 |
| VK3 = 30 | 6 | 5 | 4 | 2 | 1 | - | 2 | 6 | 8 | 6 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 2* | 2 | 6 | 8 | 8 | 8 | 8 |
| KH6 = 31 | 6 | 8 | 8 | 8 | 8 | 7 | 1 | 2* | 3* | 4 | 2 | 2 | 1 | - | - | - | 1 | 2 | 7 | 7* | 5* | 3 | 3 | 5 |
| KH8 = 32 | 1 | 4 | 5 | 5 | 7 | 8 | 7 | 6 | 7 | 9 | 7 | 5 | 2 | - | - | - | 2 | 1 | 6 | 7 | 6* | 3* | 1* | - |
| CN = 33 | 8 | 5 | 3 | 5 | - | - | - | - | - | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 7 | 3 | - | 2* | 1* | 1 | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | 1 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 7 | 5 | 9 | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 1 | - | - | 1* | 1* | - | 5 | 9 | 8 | 7 | 6 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 |
| ZS6 = 38 | - | - | - | 1* | 1* | - | 2 | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 |
| FR = 39 | 1 | 3 | 1 | 6 | 4 | 4 | 7 | 8 | 6 | 5 | 5 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 3 |
| FJL = 40 | - | 1* | 2* | 1* | 1* | 1* | 1* | 4* | 1* | 7 | 6 | 4 | 2 | 2 | 3 | 6 | 2 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jan., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 5* | 1* |
| W6 = 03 | 8 | 4 | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 8 |
| W9 = 04 | 5 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 |
| XE1 = 06 | 5 | - | - | 1 | 1 | 1 | - | - | - | 4 | - | - | 5 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 6 | - | - | - | 4 | - | - | - | - | - | - | 4 | 8 | 7 | 7 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 2 | - | - | - | - | - | - | - | - | - | 7 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| P4 = 09 | 8 | 3 | 1 | - | 1 | - | - | - | - | - | - | 9 | 8 | 5 | 5 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| HC = 10 | 9 | 8 | 6 | 3 | 4 | 1 | - | - | - | - | - | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9+ | 9 |
| PY1 = 11 | 9+ | 9 | 6 | - | 5 | 4 | 1 | - | - | 9+ | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 9+ |
| CE = 12 | 8 | 5 | - | - | - | - | - | 4* | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 |
| LU = 13 | 6 | 1 | - | - | - | - | - | 2* | - | - | 6 | 9 | 8 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| G = 14 | - | - | - | 1 | - | - | - | - | - | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 4 | 7 | 4 | 2 | - | - | - |
| I = 15 | 1 | - | - | - | - | - | - | - | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | 1 |
| UA3 = 16 | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | - | - | - | - | - | - | - |
| UN = 17 | 1 | 2* | - | 3 | 1 | - | 1 | 7 | 8 | 7 | 7 | 6 | 7 | 7 | 6 | 5 | - | - | - | - | - | 1 | 4 | 4 |
| UA9 = 18 | 1* | 1* | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 4 | 2 | 4 | - | - | - | 1* | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 3* |
| 4X = 20 | - | - | - | - | 1* | - | - | 5 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 7 | 6 | 2 |
| HZ = 21 | - | - | - | - | - | - | - | 4 | 8 | 8 | 7 | 8 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 6 | 6 | 5 | 2 |
| VU = 22 | - | 3* | - | 3 | - | - | 1 | 7 | 7 | 6 | 8 | 7 | 7 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - |
| JT = 23 | 2* | 1* | - | 5 | 1 | - | - | 2 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 3* | 3 | - | - | - | - | - | 5 | 5 | 6 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 2 | 1 | 2 | 3 | - | - | 3* |
| JA1 = 25 | 6 | 1 | - | 2 | - | - | - | - | 7 | 5* | - | - | - | - | - | - | - | - | - | - | - | 5* | 3* | 2* |
| HS = 26 | 3* | 6 | 1* | - | - | - | 2 | 4 | 6 | 7 | 8 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 2 | - | 1* |
| DU = 27 | 7 | 3* | 1* | - | - | - | 1 | 5 | 5 | 6 | 6* | 5* | 6 | 6 | 8 | 6 | 2 | - | - | - | - | - | 2* | 3* |
| YB = 28 | 7 | 3* | 1* | - | - | - | 1 | 2 | 6 | 8 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | - | 4 |
| VK6 = 29 | 2* | 1* | - | 1 | - | - | - | 1 | 8 | 8 | 6 | 5 | 5 | 5 | 4 | 2* | 3* | 1* | - | - | - | - | 2* | 3* |
| VK3 = 30 | 6 | 2 | - | 1 | - | - | - | - | 8 | 7 | 6 | 5 | 3* | 2* | 2* | 2* | 1* | - | - | - | 3* | 6* | 8 | 8 |
| KH6 = 31 | 5 | 6 | 4 | 2 | 5 | 1 | - | 1* | 4* | 4* | 1* | - | - | - | - | - | - | 5 | 6 | 7* | 7* | 6 | 6 | 6 |
| KH8 = 32 | 5 | 4 | 1 | 1* | 2 | 3 | 1 | 4* | 7* | 8 | 8 | 6 | 2* | 1* | - | - | - | 4 | 6 | 7* | 8* | 6 | 5 | 5 |
| CN = 33 | 1 | - | - | - | - | - | - | - | 1* | 9 | 9 | 9 | 8 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | 4 |
| SU = 34 | 1 | - | - | - | 1* | - | - | 4 | 9 | 9 | 8 | 5 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 |
| 6W = 35 | 9 | 7 | 5 | 8 | 5 | - | - | - | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 8 | 3 | 7 | 3 | 1* | - | 4 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | - | - | - | - | 1 | 9 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | - |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | 3 | 1 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 2 | - | - |
| FR = 39 | - | - | 1* | - | - | - | 4 | 7 | 8 | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 1 | - | - |
| FJL = 40 | - | - | - | 1* | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jan., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 5 | 2 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5* | 3* | - | - |
| W6 = 03 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 8 | 8 | 9 | 6 | 4 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 5 | 1 |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 5 | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 8 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 3 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9+ | 5 | 2 | 2 | 4 | 6 | 9 | 9 | 9+ | 9+ | 8 | 4 | 1 |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 9 | 4 | 2 | 1 | 2 | 5 | 9 | 9 | 9 | 9 | 9 | 6 | 1 |
| HC = 10 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 4 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 8 | 5 | - | - | - | - | - | - | - | 5 | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 6 | 9+ | 9+ | 9 |
| CE = 12 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 5 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 1 |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 1 | 8 | 7 | 6 | 5 | 5 | 2 | 2 | 7 | 1 | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 1 | 6 | 4 | 1 | - | - | 1 | 8 | 8 | 9 | 5 | 1 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 8 | 8 | 7 | 8 | 7 | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | - | - | 1 | - | - | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 3* |
| 4X = 20 | - | - | - | - | - | - | - | - | 9 | 8 | 1 | 2 | 4 | 5 | 6 | 8 | 9 | 8 | 9 | 5 | 1 | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - |
| VU = 22 | - | 1* | - | - | - | - | - | 1 | 8 | 7 | 5 | 6 | 8 | 8 | 8 | 3 | 1 | - | - | - | - | - | - | - |
| JT = 23 | 1* | - | - | 1 | - | - | - | - | 7 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 2* | - | - | - | - | - | - | - | 5 | 4 | 4* | 7 | 6 | 4 | 1 | 1 | 1 | - | - | - | - | - | - | 4* |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 2* |
| HS = 26 | 4* | 1 | - | - | - | - | - | - | 4 | 7 | 6 | 8 | 5 | 8 | 8 | 8 | 7 | 6 | 4 | 3 | 1 | - | - | - |
| DU = 27 | 4 | 1* | - | - | - | - | - | - | 5 | 4 | 6* | 5 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 4* |
| YB = 28 | 2 | 1* | - | - | - | - | - | - | 2 | 1 | 6 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 7 | 4 | 1 | - | - | 3* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 1 | 2 | 5* | 4 | 1 | 1* | 2* | 1* | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | 1* | - | - | - | - | - | - | - | 5 | 6* | 4* | 2* | 1* | 1* | 1* | - | - | - | - | - | - | 4* | 5* | 3 |
| KH6 = 31 | 1 | - | - | - | 1 | - | - | - | 3* | 1* | - | - | - | - | - | - | - | 5 | 7 | 7 | 7 | 7 | 4 | 1 |
| KH8 = 32 | 1 | - | - | - | - | - | - | - | 8* | 7* | 7 | 5 | - | - | - | - | - | - | 7 | 7 | 8* | 6 | 5 | 2 |
| CN = 33 | - | - | - | - | - | - | - | - | - | 2 | 5 | 2 | - | - | - | 7 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | 9 | 8 | 1* | 2 | 3 | 5 | 5 | 7 | 9 | 9 | 9+ | 9 | 6 | 2 | 1 | - |
| 6W = 35 | 4 | - | - | 3 | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 5 | 7 |
| D2 = 36 | 1 | - | 1 | - | - | - | - | - | 5 | 6 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | 1* | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 2* | 4 | 7 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 6 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 4 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jan., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 | 5 | 3 | 3* | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 7 | 1 | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 1 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | 3 | 1 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 2 | 8 | 8 | 8 | 8 | 9 | 6 | 2 | 1 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | 2 | 4 | 5 | 7 | 6 | 8 | 8 | 8 | 5 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 7 | - | - | - | 1* | 1 | 5 | 7 | 9+ | 9+ | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 1* | 1* | 3 | 5 | 6 | 5 | 1 | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 1 | 3* | 2 | 5 | 6 | 7 | 8 | 7 | 5 | 1 |
| PY1 = 11 | 1 | - | - | - | - | - | - | - | - | - | 5 | 5 | 7 | 8 | 9+ | 9+ | 9+ | 4 | 9+ | 9+ | 9+ | 9+ | 8 | 5 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9 | 7 | 2 | 1* | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 6 | 6 | 5 | - | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | 9 | 4 | - | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | 7 | 7 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 7 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | 1 | 1 | 2 | 1 | 8 | 2 | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 5 | 4 | - | 5 | 7 | 7 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | 2 | 1 | 2* | 4 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | 4* | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1* |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 8 | 6 | 1 | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 4* | 1* | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 5 | 1 | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 4 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 1 | 2 | 4 | 9+ | 7 | 1 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | 4 | 5 | 4 | 1 | 1 | 4 | 2 | 5 | 2 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 1 | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1 | 4 | 4 | 2 | 1 | 1 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jan., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 1 | - | 1* | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 3 | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 3 | 5 | 4 | 2 | 1 | 1 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 2 | 2* | - | - | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 4 | 3 | 2* | 2 | 4 | 1 | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 4 | 2* | 6 | 4 | 2 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | 1 | 2 | 5 | 1 | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 2* | 1 | 1 | - | - | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 3* | 2 | 4 | 3 | 2 | - | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 7 | 4 | - | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 5 | - | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | 1 | - | - | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | - | - | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 6 | 3 | 1 | - | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 3 | - | - | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 5 | 4 | 1 | 1 | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 4 | 1 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 1 | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 6 | 3 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 1 | 1* | - | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Feb., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| W6 = 03 | - | - | 2 | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 5 | 5 | 6 | 6 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 2 | 4 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 1 | 5 | 5 | 5 | 3 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| P4 = 09 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 |
| CE = 12 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| G = 14 | 4 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| UN = 17 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| UA9 = 18 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| HZ = 21 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| VU = 22 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 5 |
| SU = 34 | 3 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | 4 | 3 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Feb., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | 1 | 2 | 3 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 |
| W6 = 03 | - | 1 | 5 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 9 | 9 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 |
| XE1 = 06 | 3 | 5 | 7 | 8 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 4 | 8 | 8 | 8 | 6 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 |
| P4 = 09 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ |
| CE = 12 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 |
| G = 14 | 7 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 |
| UN = 17 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 |
| UA9 = 18 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - |
| 4X = 20 | 6 | 6 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| HZ = 21 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 |
| VU = 22 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 7 |
| JT = 23 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 2 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 1 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | 1 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 8 |
| SU = 34 | 6 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 7 | 6 | 7 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Feb., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 5 | 6 | 7 | 7 | 7 | 8 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| W6 = 03 | 5 | 8 | 8 | 8 | 8 | 8 | 6 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 |
| XE1 = 06 | 7 | 8 | 9 | 8 | 9 | 8 | 8 | 6 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| TI = 07 | 8 | 7 | 9 | 8 | 9 | 8 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 8 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 7 | 8 | 8 | 7 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 6 | 7 | 6 | 5 |
| 4X = 20 | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 9 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 7 |
| VR2 = 24 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 7 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 6 | 1 |
| HS = 26 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 7 | 6 | 5 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 | 8 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 1 | 1 | - |
| KH6 = 31 | - | - | - | 4 | 6 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 8 | 5 | 1 | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 4 | 1 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 7 | 6 | 1 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Feb., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 6 | 7 | 7 | 7 | 6 | 2 | 5 | 2 | 3 | 1 | 1 | - | - | - | - | - | - | 1 | 2 | 3 | 3 | 4 | 5 | 6 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 3 | 1 | 7 | 5 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 |
| W6 = 03 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 5 | 7 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 |
| W3 = 05 | 9 | 8 | 7 | 8 | 8 | 8 | 7 | 4 | 7 | 5 | 5 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 |
| TI = 07 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 6 | 3 | 1 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 1 | 8 | 7 | 3 | - | - | - | - | - | 1 | 3 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 3 | - | 1 | 6 | 3 | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 4 | - | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 7 | 6 | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 2 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 7 | 7 | 1 | 7 | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 2 | 2 | 7 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 3 | 6 | 6 | 5 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 | 8 | 8 | 7 |
| UA0 = 19 | 6 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1* | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 6 | 5 | 5 | 5 |
| 4X = 20 | 8 | 8 | 8 | 6 | - | 2 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 8 |
| HZ = 21 | 9 | 8 | 7 | 3 | 6 | 1 | 3 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 5 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 5 | 6 | 7 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 7 | 8 | 7 | 6 |
| VR2 = 24 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 7 | 2 | 2 |
| JA1 = 25 | 2 | - | - | - | - | - | 1* | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| HS = 26 | 5 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 5 |
| DU = 27 | 4 | 1 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 | 6 | - | 5 |
| YB = 28 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 7 | 6 | 5 | 6 |
| VK3 = 30 | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 | 5 | 1 |
| KH6 = 31 | - | 1 | 5 | 6 | 8 | 8 | 8 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1* | 2* | 1* | 1* | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 2 | - | 8 | 7 | 5 | 2 | 1 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 7 | - | 2 | 6 | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 7 | 5 | 4 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 6 | 1 | 2 | 3 | 8 | 5 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 7 | 6 | 4 | 1 | 3 | 8 | 8 | 5 | 3 | 1 | 1 | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 7 | 6 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| FJL = 40 | 1 | 1 | - | - | 1* | 1* | - | 5 | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 4 | 2 | 1 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Feb., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 6 | 2 | - | - | 1* | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 3 | 5 | 5 | 6 | 7 | 4 | - | - | - | 1 | 7 | 7 | 5 | 3 | 4 | 4 | 5 | 7 | 9 | 9 | 9 | 9 | 8 | 7 |
| W6 = 03 | 9 | 9 | 8 | 4 | 2 | 3 | 4 | - | - | 5 | - | - | - | 1 | 1 | 1 | 1 | 3 | 2 | 3 | 4 | 6 | 7 | 9 |
| W9 = 04 | 9 | 8 | 6 | 3 | 5 | 6 | 5 | - | 1 | 7 | - | 3 | 5 | 4 | 2 | 2 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9 |
| W3 = 05 | 8 | 5 | 3 | 2 | 5 | 6 | 2 | - | 4 | - | 3 | 7 | 6 | 4 | 4 | 3 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 7 | 7 | 7 | 8 | 7 | 2 | 1* | 8 | - | 1 | 7 | 3 | 2 | 2 | 2 | 3 | 2 | 4 | 6 | 8 | 9 | 9 |
| TI = 07 | 9+ | 9 | 8 | 8 | 8 | 8 | 5 | - | 3 | 1* | - | 7 | 6 | 4 | 5 | 2 | 3 | 3 | 4 | 6 | 7 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9 | 9 | 8 | 6 | 7 | 1 | 1* | 1* | 1* | 9 | 9 | 8 | 5 | 4 | 4 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9 | 9 | 9 | 8 | 7 | 2 | 1* | 1* | - | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | 1 | - | - | 7 | 5 | 5 | 4 | 3 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 1* | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 7 | 7 | 6 | 5 | 7 | 8 | 7 | 7 | 5 | 4 | 3 | 3 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9 | 5 | 6 | 6 | 5 | 5 | 7 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 5 | 5 | 7 | 8 | 6 | 1 | - | 1 | 9 | 8 | 6 | 2 | 1 | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 9+ | 8 | 5 | 5 |
| I = 15 | 8 | 9 | 9 | 8 | 1 | - | 1* | 9 | 9 | 8 | 5 | 4 | 3 | 3 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | 5 | 6 | 5 | 2 | 1 | 1 | 1 | 8 | 8 | 7 | 3 | 2 | 1 | 2 | 4 | 6 | 8 | 9 | 8 | 7 | 6 | 4 | 3 | 5 |
| UN = 17 | 7 | 7 | 7 | 8 | 8 | - | 2 | 5 | 1 | 4 | 1 | 1 | 1 | 2 | 3 | 6 | 8 | 7 | 5 | 5 | 5 | 7 | 8 | 8 |
| UA9 = 18 | 1* | 1* | 1* | 5 | 8 | - | 1* | 6 | 6 | 9 | 3 | 1 | 1 | 2 | 4 | 1 | - | 1 | - | - | - | 2 | 2 | 1* |
| UA0 = 19 | 7 | 8 | 5 | 7 | 5 | 1* | 2* | 6 | 5 | 7 | 2 | - | - | - | - | - | - | - | 1 | 1 | - | 2* | 2* | 2* |
| 4X = 20 | 8 | 5 | 8 | 2* | 1* | 1* | - | 8 | 7 | 6 | 4 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| HZ = 21 | 9 | 8 | 3 | 1* | 2 | 1* | 1 | 7 | 5 | 5 | 4 | 3 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | 4 | - | 3 | 9 | 4 | - | 2 | 3 | 1 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 7 | 4 | 1 | 2 | 3 | 6 | 6 |
| JT = 23 | 1* | 1 | 8 | 8 | 6 | - | 1* | 5 | 6 | 4 | 2* | 2 | 2 | 4 | 3 | - | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 1* |
| VR2 = 24 | 7 | 8 | 8 | 5 | - | - | - | 1 | 1* | 4* | 2* | 1* | - | 1 | 1 | 5 | 7 | 7 | 7 | 8 | 8 | 5 | 2* | 1* |
| JA1 = 25 | 7 | 5 | 4 | 4 | 4 | 1* | 2* | 5* | 6* | 6* | 4* | 1 | - | - | - | - | 3 | 4 | 5 | 3 | 1 | 2* | 2 | 8 |
| HS = 26 | 1 | 8 | 7 | 5 | - | - | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 1* |
| DU = 27 | 8 | 7 | 6 | 2 | - | 1* | 1 | 1 | 8 | 5* | 4* | 1* | - | - | 2 | 4 | 8 | 8 | 9 | 9 | 8 | - | 1* | 2* |
| YB = 28 | 9 | 4 | 1 | 3 | - | - | 1 | 1 | - | 2* | 1 | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 7 |
| VK6 = 29 | 6 | 5 | 2 | 4 | 1 | - | 2 | 4 | 4 | 4 | 2 | 1 | 1 | 1 | 4 | 5 | 2 | 2* | 2* | 1* | - | 2* | 1* | 1* |
| VK3 = 30 | 7 | 5 | 2 | 2 | 1 | 1 | 2 | 6 | 6 | 8 | 4 | 2 | 1 | - | - | - | 1* | 2* | 1* | 2* | 3 | 6 | 8 | 8 |
| KH6 = 31 | 5 | 7 | 8 | 9 | 9 | 8 | 6 | 2* | 3* | 6 | 4 | 3 | 1 | - | 1* | - | 1 | 2 | 7 | 6* | 5* | 2 | 1 | 4 |
| KH8 = 32 | - | 4 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 7 | 5 | 2 | - | - | 1* | 2 | 1 | 6 | 6 | 5* | 2* | 1* | - |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 9 | 1* | 1* | 1* | - | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9 | 9+ | 9 | 8 | 5 | 9 | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 2* | 1* | - | 6 | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 1* | 1* | 2 | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 |
| FR = 39 | 2 | 4 | 1 | 5 | 4 | 4 | 8 | 7 | 5 | 5 | 5 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 |
| FJL = 40 | 1* | 2* | 1* | 1* | 1* | 1* | 1* | 2* | 2 | 7 | 6 | 3 | 2 | 1 | 2 | 5 | 6 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Feb., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6* | 8 | 8 | 7 |
| VO2 = 02 | - | - | - | - | 1 | - | - | - | - | - | - | 6 | 7 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 1 |
| W6 = 03 | 9 | 8 | 3 | - | - | - | - | - | - | 1 | - | - | - | - | 1 | 5 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9 |
| W9 = 04 | 8 | 1 | - | - | - | - | - | - | - | 1 | - | - | 5 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 2 | - | - | - | - | 1 | - | - | - | - | - | 6 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 9 | 1 | - | - | - | 1 | 1 | - | - | 4 | - | - | 3 | 8 | 7 | 7 | 9 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ |
| TI = 07 | 9 | 4 | 3 | 1 | 1 | 1 | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 5 | 2 | - | - | - | - | - | - | - | 6 | 9+ | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9 | 6 | 2 | - | 1 | - | - | 1* | - | - | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 8 | 9 | 7 | 5 | 1* | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 7 | 9+ | 9+ | 6 | 8 | 7 | 5 | 5 | 5 | - | 6 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9 | 5 | 1* | 1 | - | - | 2* | - | - | 6 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 8 | 1* | 1* | - | - | - | 2* | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | 1 | - | - | - | - | 1 | 9 | 9 | 8 | 6 | 6 | 7 | 8 | 9 | 9 | 8 | 9 | 6 | 1 | - | - |
| I = 15 | 1 | 2 | 3 | 1 | - | - | - | 1* | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 6 | 3 | 1 |
| UA3 = 16 | - | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 7 | 8 | 7 | 8 | 9 | 9 | 6 | 4 | 1 | - | - | - | - |
| UN = 17 | 2 | 3* | 1 | 6 | 3 | - | - | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 8 | 4 | 1 | - | - | - | 1 | 2 | 2 |
| UA9 = 18 | 2* | 1* | - | - | 4 | - | - | 1 | 8 | 7 | 6 | 6 | 7 | 5 | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 2* | 6 | 8 | 7 | 3 | - | - | 2 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 2* |
| 4X = 20 | 6 | 5 | 2 | - | 1* | - | - | 5 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 8 |
| HZ = 21 | 6 | 5 | - | - | - | - | - | 4 | 8 | 8 | 7 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 7 |
| VU = 22 | - | 3* | 2* | 7 | - | - | - | 7 | 6 | 6 | 8 | 7 | 6 | 8 | 8 | 9 | 6 | - | - | - | - | - | - | - |
| JT = 23 | 2* | 2* | 1 | 8 | 3 | - | - | 3 | 7 | 5 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 4* | 8 | 5 | 2 | - | - | - | 4 | 5 | 6 | 6 | 5* | 6 | 6 | 7 | 6 | 5 | 3 | 1 | 2 | 3 | - | - | 3* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 1 | - | - | 2 | 6 | 8* | 5* | 1* | - | - | - | - | - | - | - | - | - | 5* | 4* | 4 |
| HS = 26 | 2* | 6 | 2* | 1 | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | - | 1* |
| DU = 27 | 7 | 4* | 2* | 1 | 1* | 1* | 1 | 5 | 5 | 7* | 7* | 5* | 6 | 6 | 8 | 8 | 8 | 8 | 6 | 5 | 1 | - | 4* | 4* |
| YB = 28 | 7 | 4* | 3* | 2* | 1* | - | 1 | 5 | 6 | 6 | 7 | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 7 | 2 | - | - | 4* |
| VK6 = 29 | 3* | 3* | 2* | 2* | 1* | - | - | 1 | 6 | 7 | 6 | 5 | 5 | 5 | 1 | 2* | 1* | - | - | - | - | - | 1* | 2* |
| VK3 = 30 | 5 | 3* | 1* | 2* | 1* | - | - | - | 8 | 7 | 6 | 2 | 1* | 1* | 1* | 1* | 1* | - | - | - | 2* | 4* | 2 | 8 |
| KH6 = 31 | 7 | 8 | 9 | 9 | 8 | 5 | 1 | 2* | 4* | 4* | 4* | 1 | - | - | - | - | 1 | 5 | 5 | 7* | 7* | 6 | 6 | 6 |
| KH8 = 32 | 5 | 6 | 4* | 4* | 2 | 4 | 4 | 5 | 5* | 9 | 8 | 6 | 5* | 4* | 2* | - | - | 5 | 5 | 7* | 8* | 7* | 5 | 5 |
| CN = 33 | 9 | 7 | 5 | 5 | - | - | - | - | 5 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 7 | 4 | - | 1* | - | - | 4 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 8 | 1 | 7 | 5 | 1 | 1* | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 4* | 2* | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | - |
| ZS6 = 38 | - | - | - | - | 2* | 1* | - | - | 6 | 4 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 3 | - | - | - |
| FR = 39 | - | - | 4* | 3* | 1* | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1* | - | 4 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Feb., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 3 | 4 | 2 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 6 | 3 | - | - |
| W6 = 03 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 4 |
| XE1 = 06 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 6 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9+ | 9 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| P4 = 09 | 8 | 3 | - | - | - | - | - | - | - | - | - | 9 | 9 | 5 | 5 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| HC = 10 | 9 | 9 | 8 | 4 | 4 | 1 | - | - | - | - | - | 4 | 7 | 5 | 5 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 5 | - | 3 | 1 | - | - | - | 9 | - | - | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 4 |
| CE = 12 | 9 | 4 | 1* | - | - | - | - | - | - | - | - | 6 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 5 | 1* | - | - | - | - | - | - | - | - | 1 | 8 | 7 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | - | 5 | 1 | 8 | 7 | 6 | 6 | 6 | 8 | 8 | 4 | 9 | 5 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 4 | 4 | 4 | 5 | 9 | 9 | 9 | 9+ | 8 | 4 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 5 | - | - | - | - | - | - | - |
| UN = 17 | - | 1* | - | 1 | - | - | - | - | 8 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | 1 | 3 | 4 | 1 | - | - | - | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 2* |
| 4X = 20 | - | - | - | - | - | - | - | - | 9 | 8 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | 9 | 9 | 9+ | 9 | 8 | 7 | 2 |
| HZ = 21 | 1 | - | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 2 |
| VU = 22 | - | 4* | - | 3 | - | - | - | 1 | 7 | 6 | 5 | 5 | 7 | 8 | 9 | 8 | - | - | - | - | - | - | - | - |
| JT = 23 | 4* | 1* | - | 6 | - | - | - | - | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 4* | 4* | 1* | - | - | - | - | 1 | 5 | 5 | 8* | 5 | 6 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | 5* |
| JA1 = 25 | 5 | 5 | 3 | 3 | - | - | - | - | 7 | 7* | 1* | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 4* |
| HS = 26 | 4* | 4* | 2* | - | - | - | - | 2 | 7 | 7 | 7 | 8 | 5 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 5 | 1 | - | - |
| DU = 27 | 5* | 5* | 2* | - | - | - | - | 3 | 6 | 5 | 8* | 5 | 6 | 7 | 8 | 8 | 7 | 2 | - | - | - | - | 2* | 5* |
| YB = 28 | 4* | 4* | 3* | - | - | - | - | - | 6 | 6 | 7 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | 4* |
| VK6 = 29 | 5* | 4* | 2* | - | - | - | - | - | - | 2* | 4* | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 3* |
| VK3 = 30 | 5* | 3* | 1* | 1* | - | - | - | - | 3 | 5* | 2* | 1* | - | - | - | - | - | - | - | - | - | 5* | 5* | 5* |
| KH6 = 31 | 6 | 7 | 7 | 5 | 6 | - | - | - | 5* | 5* | 2* | - | - | - | - | - | - | 6 | 7 | 7 | 7 | 7 | 6 | 6 |
| KH8 = 32 | 5 | 2 | 2* | 2* | - | - | - | - | 7* | 7 | 6 | 6* | 5* | 3* | 1* | - | - | 1 | 7 | 7 | 8* | 7 | 6 | 5 |
| CN = 33 | 5 | 1 | - | - | - | - | - | - | - | 7 | 7 | 5 | 5 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 7 |
| SU = 34 | 2 | 1 | - | - | - | - | - | - | 9 | 8 | 1 | 2 | 3 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 |
| 6W = 35 | 9 | 9 | 8 | 9 | 7 | - | - | - | 2 | 9+ | 9+ | 9 | 8 | 8 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| D2 = 36 | 1 | - | 1 | - | - | - | - | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | - | 1* | - | - | - | 6 | 5 | 4 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9+ | 9 | 8 | 8 | 2 | - | - | - | - |
| FR = 39 | - | - | 1* | 1* | 1* | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | 5 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Feb., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 3 | 5 | 5 | 5 | 3 | 1 | - | - | - |
| W6 = 03 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 7 | 8 | 7 | 7 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 5 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 5 | 6 | 7 | 6 | 5 | 5 | 4 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 5 | 6 | 8 | 8 | 8 | 8 | 7 | 8 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 4 | 2 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 4 | 9 | 1 | 1 | 2 | 3 | 5 | 7 | 9 | 8 | 7 | 3 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 1 | 9 | 1 | 1 | 1 | 1 | 4 | 6 | 7 | 7 | 6 | 3 | 1 |
| HC = 10 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 8 | 2 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 8 | 7 |
| PY1 = 11 | 9 | 4 | - | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 9 | 9+ | 9+ | 5 | 7 | 8 | 8 | 6 | 4 | 9+ | 9+ |
| CE = 12 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 |
| LU = 13 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 3* |
| G = 14 | - | - | - | - | - | - | - | - | - | 5 | 8 | - | 3 | 8 | 8 | 8 | 9 | 7 | 2 | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 3 | 1 | 1* | - | - | - | 1 | 5 | 9 | 7 | 2 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 5 | 4 | 2 | 2 | 1 | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 6 | 6 | 5 | 7 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | 1 | - | - | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | 1 | 1 | 2 | 5 | 6 | 9 | 7 | 2 | 1 | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 6 | 5 | 1 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 5 | 1 | 1 | - | - |
| VU = 22 | - | 1* | - | - | - | - | - | - | 4 | 3 | 2* | 4 | 6 | 9 | 9 | 1 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | 1 | - | - | - | - | 2 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 6* | 2* | - | - | - | - | - | - | 1 | 1 | 4* | 4 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 3* |
| JA1 = 25 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 2* |
| HS = 26 | 4* | 2* | - | - | - | - | - | - | 1 | 1 | 5 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 4 | 2 | - | - | - | - |
| DU = 27 | 6* | 4* | - | - | - | - | - | - | 3 | 3 | 4* | 6 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | 5* |
| YB = 28 | 2* | 2* | - | - | - | - | - | - | - | - | 4* | 6 | 8 | 7 | 8 | 7 | 5 | 2 | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 2* | 1* | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | 2* | 2* |
| KH6 = 31 | 1 | 1 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 7 | 4 | 2 |
| KH8 = 32 | 1 | - | - | - | - | - | - | - | 3* | 4* | - | 2* | 2* | - | - | - | - | - | 3 | 7 | 7 | 7 | 6 | 4 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9+ | 9+ | 8 | 7 | 2 | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | - | 1 | 1 | 4 | 6 | 6 | 5 | 3 | 1 | 5 | - |
| 6W = 35 | 6 | 4 | 1 | 5 | 1 | - | - | - | - | 6 | 7 | 2* | 2* | 2 | 3 | 2 | 1 | 5 | 7 | 9 | 8 | 5 | 1 | 6 |
| D2 = 36 | - | - | - | - | - | - | - | - | 2 | 4 | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9+ | 9+ | 9 | 8 | 8 | 8 | 7 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | - | 1 | 4 | 5 | 5 | 2 | 2 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Feb., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - |
| W6 = 03 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 3 | 4 | 3 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 3 | 4 | 4 | 4 | 4 | 5 | 1 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 2 | 2 | 1 | - | 1 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | 2 | 5 | 6 | 5 | 4 | 1 | 4 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 2 | 3 | 5 | 6 | 7 | 7 | 6 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | 1* | 1* | 1 | 2 | 4 | 2 | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 2* | 2* | 2* | 2 | 1 | - | - | - |
| HC = 10 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 1* | 1 | 4* | 4 | 5 | 5 | 5 | 4 | 2 |
| PY1 = 11 | 4 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9 | 9 | 6 | 1 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 8 | 7 | 5 | 1 | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 2 | 2 | 4 | 4 | 1 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 2 | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 7 | 8 | 6 | 3 | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 8 | 6 | - | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 2* | - | - | - | - | - | - | - | - | - | - | 2* | 5 | 1 | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - |
| HS = 26 | 1* | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 4 | 3 | 1 | 1 | - | - | - | - | - | - |
| DU = 27 | 2* | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2* |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 5 | 1 | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 5 | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - |
| 6W = 35 | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 2* | 2* | 3 | 1 | - | - | 1 |
| D2 = 36 | - | - | - | - | - | - | - | - | - | - | - | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 1 | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 | 6 | 2 | 1 | 1 | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Mar., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | - | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 5 | 5 | 5 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | - | 2 | 3 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 1 | 2 | 5 | 5 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| P4 = 09 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 |
| CE = 12 | 2 | 3 | 3 | 4 | 5 | 4 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| G = 14 | 4 | 4 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 |
| UA3 = 16 | 5 | 5 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 |
| UN = 17 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 3 |
| HZ = 21 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| VU = 22 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 4 | 5 |
| SU = 34 | 4 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 3 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 6 | 6 |
| FR = 39 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FJL = 40 | 4 | 3 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Mar., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | 1 | 1 | 2 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| W6 = 03 | - | 1 | 3 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 |
| XE1 = 06 | 2 | 5 | 6 | 8 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 4 | 5 | 8 | 8 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 |
| P4 = 09 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9 |
| CE = 12 | 5 | 6 | 6 | 7 | 8 | 7 | 6 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 |
| G = 14 | 7 | 7 | 8 | 8 | 8 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 8 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 |
| UA3 = 16 | 8 | 8 | 7 | 8 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| UN = 17 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 7 |
| UA9 = 18 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | - | - |
| 4X = 20 | 6 | 6 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 |
| HZ = 21 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 |
| VU = 22 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 4 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 2 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 1 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 2 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 7 | 8 |
| SU = 34 | 7 | 7 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 2 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 |
| FJL = 40 | 7 | 6 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Mar., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 4 | 5 | 6 | 8 | 7 | 8 | 6 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 9 |
| W6 = 03 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| XE1 = 06 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 |
| P4 = 09 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| I = 15 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 8 |
| UA3 = 16 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 |
| UN = 17 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 6 | 7 | 7 | 8 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 6 | 2 |
| 4X = 20 | 9 | 9 | 9 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 5 | 8 |
| JT = 23 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 7 | 7 | 6 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 | 6 | 7 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 3 | 1 |
| HS = 26 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 7 | 5 |
| YB = 28 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 1 | 1 |
| KH6 = 31 | - | - | - | 2 | 6 | 7 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 8 | 7 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Mar., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 3 | 4 | 5 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 8 | 8 | 5 | 6 | 4 | 5 | 4 | 1 | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 8 | 8 | 8 | 7 | 8 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| W3 = 05 | 9 | 9 | 8 | 8 | 9 | 8 | 6 | 6 | 6 | 3 | 4 | 2 | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 7 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| TI = 07 | 8 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 7 | 2 | 1 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 2 | 3 | 8 | 7 | 3 | 2 | - | - | - | - | 1 | 3 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 2 | 7 | 6 | 2 | 2 | 1 | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 6 | 5 | - | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6 | 9 | 9 | 8 | 7 | 4 | 2 | 1 | 1 | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 3 | 4 | 8 | 5 | 2 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 5 | 1 | 4 | 8 | 3 | 1 | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 6 | 7 | 4 | 5 | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 4 | 6 | 6 | 6 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 7 | 6 | 5 |
| UA0 = 19 | 5 | 2 | 1 | 1 | - | - | 1 | 1* | 1* | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 5 | 6 | 6 | 6 |
| 4X = 20 | 9 | 9 | 8 | 5 | 4 | 3 | 3 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 7 | 5 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | 1 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 6 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 7 | 6 |
| VR2 = 24 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 7 | 5 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 6 | 5 | 3 |
| HS = 26 | 6 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 6 |
| DU = 27 | 5 | 2 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 | 7 | 3 | 6 |
| YB = 28 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 7 | 6 | 6 |
| VK3 = 30 | 1 | 1 | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 6 | 6 | 6 | 5 |
| KH6 = 31 | - | - | 4 | 6 | 7 | 8 | 8 | 5 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 8 | 8 | 7 | 7 | 4 | 2 | - | - | - | - | - | - | 1* | 2* | 2* | 1* | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 1 | 2 | 9 | 8 | 5 | 2 | 1 | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 7 | 2 | 3 | 7 | 5 | 2 | 1 | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9+ | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 8 | 3 | 5 | 6 | 7 | 6 | 2 | - | - | - | - | - | 1 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 8 | 7 | 5 | 2 | 4 | 8 | 8 | 6 | 4 | 1 | 1 | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 7 | 5 | 5 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| FJL = 40 | 1 | 1 | - | - | 1* | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 7 | 6 | 3 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Mar., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 7 | 7 | 6 | 5 | - | 1 | 4* | 1* | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9 | 7 | 7 | 8 | 8 | 5 | - | 1 | - | - | 8 | 7 | 5 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 9 | 5 | 1 | 4 | 1 | 1 | 4 | 1 | - | - | - | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 5 | 6 | 8 |
| W9 = 04 | 9 | 9 | 8 | 6 | 5 | 5 | 2 | 2 | 3 | 1 | - | 2 | 4 | 4 | 2 | 2 | 3 | 4 | 6 | 6 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 8 | 7 | 7 | 7 | 8 | 1 | 2 | 1 | - | 2 | 6 | 5 | 4 | 3 | 4 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | 3 | 7 | - | - | 5 | 3 | 2 | - | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 1* | 5 | 1* | - | 7 | 6 | 4 | 3 | 3 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9 | 7 | - | - | - | - | 9 | 9 | 8 | 6 | 5 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | - | - | 1* | - | 9 | 9 | 8 | 6 | 5 | 4 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 2 | 4 | 1* | 2 | 8 | 5 | 5 | 4 | 3 | 3 | 4 | 5 | 7 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 9+ | 9 | 5 | 9+ | 9+ | 9 | 9 | 1 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 7 | 4 | 3 | 1 | 8 | 8 | 6 | 4 | 2 | 2 | 2 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 8 | 8 | 5 | 3 | 2 | 9 | 9 | 9 | 7 | 5 | 4 | 4 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 2 | 4 | 7 | 7 | 3 | - | - | 2 | 9 | 8 | 5 | 3 | 2 | 1 | 2 | 4 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 3 |
| I = 15 | 8 | 9 | 9 | 5 | - | - | - | 9+ | 9 | 6 | 6 | 5 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 |
| UA3 = 16 | 2 | 1 | 2 | 1 | 1 | - | 1 | 9 | 7 | 6 | 2 | 2 | 2 | 2 | 3 | 6 | 8 | 9 | 9 | 9 | 8 | 6 | 3 | 2 |
| UN = 17 | 6 | 5 | 8 | 9 | 7 | - | 4 | 4 | 1 | 3 | 1 | - | 1 | 1 | 2 | 5 | 8 | 8 | 7 | 7 | 6 | 7 | 8 | 8 |
| UA9 = 18 | - | 1* | 4 | 8 | 6 | - | 1 | 5 | 3 | 5 | 2 | 1 | 1 | 1 | 2 | 5 | 5 | 6 | 3 | 1 | - | - | 1* | 1* |
| UA0 = 19 | 7 | 8 | 7 | 4 | 4 | - | 1 | 5 | 5 | 8 | 3* | - | - | - | - | - | - | - | - | - | 2* | 2* | 2 | 6 |
| 4X = 20 | 9 | 9 | 8 | 1* | 1* | 1* | 3 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9+ | 9 | 5 | 1* | 7 | 1 | 5 | 8 | 5 | 5 | 2 | 4 | 5 | 5 | 6 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| VU = 22 | 5 | 2 | 8 | 8 | 6 | 2 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 5 | 8 | 8 | 6 | 6 | 7 | 7 | 7 | 6 |
| JT = 23 | 1* | 7 | 8 | 7 | 5 | - | 1 | 2 | 2 | 9 | 2 | 1 | 1 | 1 | 2 | 5 | 5 | 3 | 1 | 1 | - | - | 1* | 1* |
| VR2 = 24 | 8 | 8 | 6 | 5 | 1 | - | 1 | - | 1* | 4* | 2* | 1* | - | 1 | 2 | 4 | 8 | 8 | 9 | 8 | 9 | 6 | 1* | 1* |
| JA1 = 25 | 8 | 5 | 4 | 2 | 2 | 1* | 1 | 3 | 6* | 8 | 4* | 2* | 1* | 1 | 2 | 3 | 6 | 7 | 7 | 6 | 4 | 6 | 8 | 8 |
| HS = 26 | 5 | 9 | 8 | 7 | 3 | 1 | 2 | 1 | 1 | 1 | 2* | - | 1 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2 |
| DU = 27 | 8 | 8 | 6 | 3 | - | - | 1* | 1* | 1 | 5* | 4* | 1* | - | - | 2 | 5 | 8 | 8 | 8 | 9 | 9 | 2* | 1* | 6 |
| YB = 28 | 9 | 6 | 5 | 5 | 1 | - | 1 | 1 | 1 | 1 | 2* | - | 1 | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 7 |
| VK6 = 29 | 6 | 6 | 4 | 5 | 2 | - | 1 | 4 | 2 | 9 | 2 | 1 | 2 | 2 | 2 | - | 1 | 2* | 3 | 4 | 1 | 1* | 1* | 1* |
| VK3 = 30 | 6 | 5 | 4 | 4 | 2 | - | - | 6 | 6 | 5 | 4 | 2 | - | - | - | - | 1* | 2* | 1* | 2* | 3 | 7 | 8 | 7 |
| KH6 = 31 | 5 | 7 | 8 | 9 | 9 | 9 | 4 | 3* | 4 | 5 | 4 | 3 | - | - | - | 1* | 1 | 2 | 7 | 6* | 5* | 2* | 1 | 2 |
| KH8 = 32 | - | 5 | 6 | 7 | 8 | 8 | 7 | 7 | 9 | 8 | 7 | 5 | 2 | - | - | 1* | 2* | 1 | 5 | 7* | 6* | 4* | 1 | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 2 | - | - | 6 | 9+ | 9 | 8 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9 | 9 | 1* | 1* | 1* | 3 | 9 | 9 | 8 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | - | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 5 | 2 | 1* | 1* | 1 | 7 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | - | - | - | - | 2* | 1* | 2 | 9+ | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | 5 | 2 |
| FR = 39 | 6 | 2 | 1* | 1* | 5 | 5 | 7 | 8 | 6 | 4 | 3 | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| FJL = 40 | 1* | 1* | 1* | - | - | 1 | 2 | 5 | 7 | 7 | 5 | 3 | 2 | 1 | 2 | 3 | 6 | 8 | 8 | 8 | 4 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Mar., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 7* | 4 | 5 | 4 |
| VO2 = 02 | 4 | 1 | - | 1 | 1 | - | - | - | - | - | 1 | 6 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| W6 = 03 | 9 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 7 | 7 | 7 | 8 | 8 | 9 |
| W9 = 04 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 8 | 2 | - | - | - | 3 | - | - | - | - | - | 6 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9+ | 9 | 6 | 1 | - | - | - | - | - | 1 | - | - | 4 | 8 | 7 | 7 | 9 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 8 | 8 | 7 | 7 | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 8 | 6 | 3 | 3 | 1 | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 8 | 9 | 2 | - | - | - | - | 3 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 2 | 5* | 1* | - | - | 7 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9 | 7 | 9+ | 9+ | 9+ | 9 | 5 | 4* | 5 | 1 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 8 | 3 | 5 | 4 | - | - | - | - | 5 | 9 | 8 | 7 | 8 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9 | 2 | - | 2 | 1 | - | - | - | - | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 2 | 2 | 9 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 8 | 9 | 4 | - | - |
| I = 15 | 1 | 1 | 1 | - | - | - | - | 3 | 9+ | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 7 | 4 | 1 |
| UA3 = 16 | - | - | - | - | - | - | - | 6 | 9 | 8 | 8 | 9 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 7 | 2 | - | - | - |
| UN = 17 | - | 2* | 2 | 8 | 4 | - | 2 | 8 | 7 | 5 | 8 | 7 | 7 | 7 | 8 | 8 | 6 | 5 | 2 | 1 | - | - | 1 | 1 |
| UA9 = 18 | 2* | - | - | 2 | 2 | - | - | 6 | 7 | 5 | 6 | 7 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 5 | 8 | 8 | 8 | 1 | - | - | 7 | 6 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 5* | 3* | 2* |
| 4X = 20 | 9+ | 9 | 2 | - | 1* | 1* | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 6 |
| HZ = 21 | 9 | 8 | 2* | 1* | 2 | 1* | 1 | 6 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 |
| VU = 22 | - | 1* | 5 | 9 | 5 | 1* | 2 | 7 | 6 | 4 | 8 | 6 | 6 | 7 | 8 | 9 | 8 | 1 | - | - | - | - | - | - |
| JT = 23 | 1* | 1* | 7 | 8 | 3 | - | - | 6 | 6 | 6* | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | 1* |
| VR2 = 24 | 5 | 9 | 8 | 6 | 1 | 1* | 1 | 5 | 5 | 6 | 6 | 5 | 5 | 6 | 7 | 8 | 7 | 7 | 7 | 7 | 5 | - | 3* | 2* |
| JA1 = 25 | 8 | 8 | 7 | 6 | 1 | - | - | 6 | 5 | 8* | 7* | 5 | 1 | 1 | - | - | 1 | 1 | 1 | - | - | 4* | 3* | 8 |
| HS = 26 | - | 9 | 7 | 5 | 2* | 1* | 2 | 5 | 7 | 7 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1* |
| DU = 27 | 9 | 8 | 7 | 5 | 2* | 2* | 2 | 5 | 5 | 7* | 7* | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 6 | - | 2* | 4* |
| YB = 28 | 7 | 3* | 3* | 2* | 1* | - | 1 | 3 | 4 | 6* | 7 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 6 | 5 | 4 | 3 | - | 2 |
| VK6 = 29 | 2* | 1* | 2* | 2 | 1* | - | - | 1 | 7 | 6 | 6 | 5 | 4 | 1* | - | - | - | 1* | 1* | - | - | - | 2* | 2* |
| VK3 = 30 | 3 | 1 | 1* | 2* | 1* | - | - | - | 8 | 7 | 5 | 2 | 1* | 1* | 1* | 1* | 1* | - | - | - | 2* | 3* | 5 | 4 |
| KH6 = 31 | 8 | 8 | 9 | 9 | 9 | 6 | - | 2* | 4* | 5* | 5* | 4* | 2* | 2* | 2* | - | 1 | 6 | 6 | 8* | 6 | 6 | 7 | 6 |
| KH8 = 32 | 6 | 6 | 4 | 4* | 5 | 5 | 2 | 4* | 5* | 5* | 4* | 4* | 3* | 4* | 5* | 5* | - | 4 | 5 | 8* | 8* | 8* | 6 | 5 |
| CN = 33 | 9+ | 9 | 8 | 5 | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9+ | 5 | - | 1* | 1* | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9 | 8 | 9 | 9 | 5 | 3* | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 4* | 4* | 2* | 1 | 7 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 |
| ZS6 = 38 | - | - | - | - | 3* | 1* | - | - | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | 1 | - | - | - |
| FR = 39 | - | - | 4* | 5* | 2* | - | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 2 | 1 |
| FJL = 40 | - | - | - | - | - | - | - | - | 4* | 3 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Mar., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 1* | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 7 | 4 | 1 |
| W6 = 03 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 8 |
| W9 = 04 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 |
| XE1 = 06 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 7 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 5 | 3 | 1 | 1 | 2 | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 9+ | 7 | 3 | 3 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 8 | 4 | 1 | 5 | - | - | - | - | - | - | 9 | 8 | 3 | 4 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 9 | 8 | 8 | 9 | 7 | 5 | - | 1* | - | - | - | 6 | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 5 | 9+ | 9 | 6 | 8 | 5 | - | 1* | - | 9+ | 3 | 6 | 4 | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| CE = 12 | 9+ | 8 | 1 | - | 1 | - | - | - | - | - | - | 9 | 2 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 8 | 2 | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 6 | 9 | 1 | 2 | 7 | 7 | 7 | 8 | 9 | 9 | 4 | 9 | 4 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 9+ | 9 | 7 | 3 | 3 | 4 | 5 | 9 | 9 | 9+ | 9+ | 9 | 7 | 2 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 6 | 5 | 1 | - | - | - | - |
| UN = 17 | - | 2* | - | 4 | 1 | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 4 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | - | - | - | - | - | - | - | 8 | 7 | 6 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | 2 | 6 | 6 | - | - | - | 1 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1* | 5* | 2* |
| 4X = 20 | 6 | 1 | - | - | - | - | - | 1 | 9 | 9 | 6 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 |
| HZ = 21 | 6 | 4 | - | 1* | 1* | - | - | 1 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 8 | 8 |
| VU = 22 | - | 4* | 3* | 7 | 1 | - | - | 4 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - |
| JT = 23 | 3* | 1* | 1 | 7 | - | - | - | 2 | 7 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 6* | 9 | 6 | 4 | 1* | 1* | - | 2 | 5 | 6 | 7* | 6 | 6 | 7 | 8 | 6 | 4 | 3 | 2 | 1 | 1 | - | - | 4* |
| JA1 = 25 | 7 | 8 | 7 | 5 | - | - | - | 1 | 7 | 8* | 7* | 2* | - | - | - | - | - | - | - | - | - | 6* | 4* | 4* |
| HS = 26 | 4* | 7 | 5* | 3* | 2* | 1* | 1 | 2 | 7 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | - | 1* |
| DU = 27 | 8 | 5 | 5* | 4* | 2* | 2* | - | 2 | 6 | 6 | 7* | 6* | 6 | 6 | 8 | 8 | 8 | 9 | 8 | 7 | - | - | 5* | 5* |
| YB = 28 | 4* | 5* | 4* | 3* | 1* | - | - | - | 4 | 6 | 6 | 6 | 7 | 8 | 8 | 7 | 5 | 3* | - | - | - | - | - | 4* |
| VK6 = 29 | 5* | 4* | 3* | 2* | 1* | - | - | - | 5 | 6* | 6 | 3* | - | - | - | - | - | - | - | - | - | - | - | 4* |
| VK3 = 30 | 4* | 2* | 2* | 2* | - | - | - | - | 6 | 6 | 2 | 1* | - | - | - | - | - | - | - | - | - | 4* | 5* | 5* |
| KH6 = 31 | 8 | 8 | 8 | 8 | 8 | 2 | - | - | 4* | 5* | 4* | 2* | 1* | 1* | - | - | - | 5 | 6 | 8* | 7 | 7 | 7 | 7 |
| KH8 = 32 | 6 | 4* | 4* | 3* | 1 | 1 | - | 2* | 7* | 7* | 6* | 5* | 5* | 5* | 5* | 2* | - | 4 | 6 | 6 | 8* | 8* | 7 | 6 |
| CN = 33 | 5 | 4 | 1 | - | - | - | - | - | 3 | 9+ | 6 | 3 | 2 | 2 | 4 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 |
| SU = 34 | 9 | 6 | - | - | - | - | - | 1 | 9 | 9 | 5 | 2 | 4 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 6 | - | - | - | 8 | 9+ | 9+ | 8 | 7 | 7 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| D2 = 36 | 5 | 1 | 6 | 5 | - | 2* | 1 | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | 4* | 4* | 1* | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 7 | 1 | - | - | - | - |
| FR = 39 | - | - | 1* | 4* | 2* | - | 1 | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 8 | 6 | 2 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Mar., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 3 | 5 | 2 | - | - |
| W6 = 03 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 3* | 2 | 4 | 6 | 6 |
| W9 = 04 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 3 | 5 | 6 | 7 | 6 | 8 | 7 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 2 | 5 | 6 | 7 | 5 | 7 | 6 | 4 |
| XE1 = 06 | 8 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 7 |
| TI = 07 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - | 3 | 7 | 9 | 9+ | 9 | 9 | 5 | 5 |
| P4 = 09 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 1* | 2 | 6 | 9 | 9+ | 9 | 9 | 7 | 3 |
| HC = 10 | 9 | 8 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | 8 | 2 | 2 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 4 | - | 4 | - | - | - | - | 6 | 9+ | - | 9+ | 9+ | 1* | 3 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9+ |
| CE = 12 | 7 | 1 | - | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9 |
| LU = 13 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 |
| G = 14 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 4 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 3 | 8 | 1* | - | - | - | - | 2 | 6 | 9 | 9 | 7 | 1 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 3 | 4 | 2 | 2 | 2 | 3 | 3 | 4 | 1 | - | 1 | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 7 | 3 | 2 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | 2 | - | - | - | - | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* |
| 4X = 20 | - | - | - | - | - | - | - | - | 4 | 2 | 2* | 1* | 1* | - | 2 | 6 | 9 | 9+ | 9 | 9 | 6 | 4 | 4 | 1 |
| HZ = 21 | - | - | - | - | - | - | - | - | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4 | 2 |
| VU = 22 | - | 1* | 1* | 4 | - | - | - | - | 5 | 5 | 4 | 4 | 7 | 8 | 9 | 8 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | 4 | - | - | - | - | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 6* | 7 | 2 | 1 | 1* | - | - | - | 2 | 4 | 8* | 5 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | 5* |
| JA1 = 25 | - | 4 | 3 | 3 | - | - | - | - | 5 | 2 | 5* | - | - | - | - | - | - | - | - | - | - | 2* | 6* | 2* |
| HS = 26 | 5* | 5* | 5* | 1* | 1* | - | - | - | 1 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - |
| DU = 27 | 6 | 6* | 5* | 1* | 2* | 1* | - | - | 3 | 6 | 7* | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | 1 | - | - | - | 5* |
| YB = 28 | 5* | 5* | 4* | 1* | - | - | - | - | - | 2 | 5* | 8 | 8 | 8 | 7 | 5* | 2* | - | - | - | - | - | - | 3* |
| VK6 = 29 | 4* | 5* | 3* | 1* | - | - | - | - | - | 1 | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | 5* | 2* | 1* | 1* | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | 1* | 5* | 6* |
| KH6 = 31 | 6 | 5 | 5 | 4 | 4 | - | - | - | - | 3* | 1* | - | - | - | - | - | - | - | 5 | 7 | 8 | 7 | 7 | 6 |
| KH8 = 32 | 4* | 3* | 2* | 1* | - | - | - | - | 6* | 5* | 1* | 1* | 2* | 4* | 2* | - | - | - | 7 | 7 | 8 | 8 | 7 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9+ | 8 | 6 | 1 | - | - |
| SU = 34 | 2 | - | - | - | - | - | - | - | 3 | 1 | 2* | 1* | 1* | - | 1 | 5 | 7 | 9 | 9+ | 9 | 9 | 4 | 8 | 6 |
| 6W = 35 | 7 | 6 | 6 | 8 | 1 | - | - | - | - | 7 | 2 | 2* | 3 | 4 | 4 | 3 | 6 | 9 | 9 | 9 | 8 | 4 | 2 | 7 |
| D2 = 36 | - | - | 1 | - | - | - | - | - | 2 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 2 |
| 5Z = 37 | - | - | - | - | 2* | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1 | 4 | 7 | 7 | 5 | 1 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | 1* | 1* | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 3 | - | 5 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Mar., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| W6 = 03 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | 2 | 2 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 5 | 3 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | 4 | 2 | - |
| XE1 = 06 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | 4 | 7 | 7 | 7 | 6 | 3 | 1 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 5 | 7 | 8 | 9 | 9 | 8 | 7 | 5 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 4 | 6 | 4 | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 4* | 3 | 5 | 5 | 2 | - | - |
| HC = 10 | 5 | 5 | 3 | - | 1 | - | - | - | - | - | - | - | 2 | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 8 | 5 |
| PY1 = 11 | 9 | 5 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9+ | 9+ | 8 | 4 | 6 | 7 | 8 | 7 | 4 | 9+ | 9+ |
| CE = 12 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 5 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 3 | 2 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 2 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 4 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | 2 | 4 | 9 | 5 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 2* | 4 | 7 | 9 | 9 | 9 | 9 | 6 | 7 | 4 | 1 | - | - |
| VU = 22 | - | - | - | 1 | - | - | - | - | - | 1 | 1* | 4* | 2 | 9 | 9 | 6 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 4* | 4 | - | - | - | - | - | - | - | - | 4* | 5* | 8 | 7 | 1 | - | - | - | - | - | - | - | - | 2* |
| JA1 = 25 | - | - | - | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | 3* | 1* |
| HS = 26 | 2* | 4* | 1* | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 7 | 5 | 2 | 2 | 2 | 2 | 1 | - | - | - |
| DU = 27 | 5* | 5* | 2* | - | 1* | - | - | - | - | 1 | 3* | 5 | 8 | 8 | 7 | 4 | 2 | 1 | - | - | - | - | - | 3* |
| YB = 28 | 2* | 2* | - | - | - | - | - | - | - | - | 1* | 4 | 8 | 7 | 4 | 1* | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 1* | 1* | - | 1* | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* |
| KH6 = 31 | 2 | 2 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 5 | 7 | 3 | 1 |
| KH8 = 32 | 1* | - | - | - | - | - | - | - | 1* | 1* | - | - | - | 2* | - | - | - | - | 4 | 7 | 8 | 8 | 6 | 3* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 1 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 2 | 4 | - | 1 | - |
| 6W = 35 | 1 | - | - | 5 | - | - | - | - | - | - | - | - | - | - | - | 1* | 3* | 3 | 6 | 4 | 1 | - | - | 1 |
| D2 = 36 | - | - | - | - | - | - | - | - | - | 1 | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | - |
| 5Z = 37 | - | - | - | - | 1* | - | - | - | - | - | 1* | 1* | 2 | 9 | 9 | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 6 | - | - | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Apr., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W6 = 03 | - | - | - | 1 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 1 | 4 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | - | 1 | 2 | 5 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 4 | 4 | 5 | 5 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 4 | 4 | 4 | 4 | 5 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 9 |
| CE = 12 | 2 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| G = 14 | 4 | 4 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 |
| UA3 = 16 | 4 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| UN = 17 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 4 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| HZ = 21 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| VU = 22 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 6 | 5 |
| SU = 34 | 5 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Apr., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 |
| W6 = 03 | - | - | 2 | 4 | 6 | 7 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| XE1 = 06 | 2 | 4 | 5 | 8 | 7 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 7 | 7 | 8 | 8 | 7 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| P4 = 09 | 7 | 7 | 7 | 7 | 8 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9+ |
| CE = 12 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| LU = 13 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 |
| G = 14 | 7 | 7 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 7 | 7 |
| UA3 = 16 | 7 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| UN = 17 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 |
| UA9 = 18 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 7 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 |
| HZ = 21 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 |
| VU = 22 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 2 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 1 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 2 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 9 | 8 |
| SU = 34 | 8 | 8 | 8 | 8 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | - | 5 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 7 | 7 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Apr., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 1 | 4 | 5 | 5 | 7 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| W6 = 03 | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 6 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| XE1 = 06 | 6 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 7 | 8 | 9 | 8 | 8 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 |
| HC = 10 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 7 | 2 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| I = 15 | 9 | 8 | 8 | 9 | 8 | 3 | 7 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 7 | 8 | 9 | 9 |
| UN = 17 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 6 | 7 | 6 | 6 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 6 | 5 | 1 |
| 4X = 20 | 9 | 9 | 9 | 8 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 7 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 6 | 6 | 6 | 7 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 4 | 1 | - |
| HS = 26 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 5 | 4 |
| YB = 28 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 2 | 1 |
| KH6 = 31 | - | - | - | 1 | 6 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 2 | 6 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 1 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9 | 8 | 5 | 4 | 2 | 1 | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 |
| FR = 39 | 9 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| FJL = 40 | 9 | 8 | 8 | 8 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Apr., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 6 | 7 | 6 | 6 | 3 | 1 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | 1* | 1 | 1 | 1 | 2 | 4 |
| VO2 = 02 | 9 | 9 | 8 | 8 | 8 | 4 | 1 | 7 | 7 | 6 | 3 | 1 | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 2 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 8 | 3 | 6 | 7 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 |
| W3 = 05 | 9 | 9 | 9 | 8 | 8 | 7 | 1 | 5 | 6 | 6 | 4 | 2 | 1 | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 8 | 8 | 8 | 7 | 6 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 8 | 9 | 8 | 8 | 8 | 6 | 5 | 7 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 1 | 6 | 8 | 6 | 3 | 2 | 1 | - | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 8 | 8 | 3 | 2 | 5 | 7 | 6 | 2 | 1 | 1 | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 9 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 5 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | 1 | 1 | 3 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 4 | - | 1 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 8 | 1 | - | 6 | 6 | 2 | 1 | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 4 | - | 4 | 3 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 7 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 7 | 7 | 6 | 7 |
| UA0 = 19 | 2 | 1 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 | 6 | 5 |
| 4X = 20 | 9 | 9 | 7 | 8 | 1 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 7 | 7 | 6 | 4 | 3 | 2 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 6 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 | 7 | 7 | 7 |
| VR2 = 24 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 7 | 5 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 6 | 6 | 2 |
| HS = 26 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 6 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 7 | 7 | 6 | 5 |
| YB = 28 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 7 | 5 | 4 |
| VK3 = 30 | 2 | 1 | 1 | - | - | - | - | 3 | 1 | 1 | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 | 6 | 6 | 6 |
| KH6 = 31 | - | - | 4 | 6 | 7 | 7 | 4 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 5 | 6 | 7 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 2* | 1* | 1* | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 2 | - | - | 9 | 7 | 5 | 2 | 1 | - | - | - | 1 | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 8 | 6 | 3 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | 6 | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9 | 8 | 6 | 4 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 8 | 2 | 5 | 7 | 7 | 5 | 1 | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 8 | 7 | 7 | 5 | 1 | 3 | 8 | 8 | 6 | 3 | 1 | 1 | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| FR = 39 | 8 | 5 | 2 | 6 | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| FJL = 40 | 5 | 2 | 1 | 2 | 6 | - | 4 | 5 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 7 | 8 | 8 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Apr., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 7 | - | - | 3* | 5* | 3* | 1* | - | - | - | - | 1 | 2 | 4 | 4 | 5 | 6 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 9 | 7 | 5 | 6 | - | - | 2 | - | 7 | 8 | 6 | 6 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 9 | 9 | 8 | 4 | 5 | 1* | 2* | 2* | 2* | 1* | - | - | 2 | 1 | 1 | 2 | 3 | 2 | 3 | 4 | 5 | 6 | 8 |
| W9 = 04 | 9 | 9 | 9 | 6 | 3 | 5 | - | 1 | 1 | 1 | - | 7 | 4 | 4 | 4 | 5 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 9 | 7 | 5 | 5 | 2 | - | 1 | 1 | 1 | 7 | 7 | 5 | 6 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 9+ | 9 | 8 | 1 | 1 | 9 | 7 | - | 2 | 5 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 6 | 7 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 1* | 6 | 1 | - | 8 | 5 | 3 | 3 | 3 | 2 | 4 | 4 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | - | - | - | 9 | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9 | 9 | 5 | 1* | 1* | 1* | - | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | 3 | 1* | 6 | 8 | 6 | 4 | 3 | 4 | 4 | 6 | 6 | 8 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 6 | 9+ | 9+ | 9+ | 8 | 6 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9+ | 9 | 9 | 9 | 7 | 2 | - | 1* | - | 9 | 8 | 7 | 5 | 3 | 2 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9 |
| LU = 13 | 9+ | 9+ | 7 | 5 | 5 | 5 | - | - | - | 7 | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 2 | 4 | 4 | 3 | - | - | - | 1 | 9 | 7 | 4 | 5 | 4 | 3 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 3 |
| I = 15 | 6 | 7 | 6 | 5 | 1* | - | - | 9+ | 8 | 7 | 6 | 5 | 4 | 3 | 4 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 6 | 5 |
| UA3 = 16 | 4 | 2 | 2 | 2 | - | - | 3 | 9 | 7 | 5 | 4 | 3 | 3 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 5 |
| UN = 17 | 8 | 8 | 9 | 8 | 3 | 1 | 6 | 4 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 |
| UA9 = 18 | 1 | 4 | 8 | 7 | - | - | 2 | 5 | 2 | 4 | 1 | 1 | 1 | 1 | 2 | 4 | 8 | 8 | 8 | 7 | 4 | 1* | 1* | 1* |
| UA0 = 19 | 8 | 8 | 7 | 5 | - | - | 1 | 4 | 5* | 6 | 4* | 2* | 1* | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 3* | 4 | 6 | 8 |
| 4X = 20 | 9 | 9 | 6 | 1 | 1 | - | 8 | 9 | 6 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HZ = 21 | 9 | 8 | 5 | 6 | 5 | 2 | 7 | 8 | 5 | 3 | 2 | 2 | 2 | 3 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 6 | 7 | 9 | 9 | 5 | 3 | 4 | 2 | 1 | 1 | 1 | - | 1 | 1 | 4 | 4 | 8 | 8 | 1 | 1* | 6 | 8 | 8 | 6 |
| JT = 23 | 6 | 8 | 8 | 6 | - | - | 4 | 2 | 2* | 3 | 1 | 1 | 1 | 1 | 3 | 5 | 8 | 8 | 8 | 6 | 2 | 1* | 1* | 1 |
| VR2 = 24 | 8 | 7 | 6 | 4 | - | - | - | - | 1* | 3* | 2* | 1* | 1* | 1 | 2 | 5 | 8 | 8 | 8 | 9 | 8 | 3 | 1* | 5 |
| JA1 = 25 | 6 | 5 | 5 | 2 | - | 1* | 1 | 7 | 6* | 8 | 5* | 2* | 1 | 1 | 2 | 4 | 7 | 7 | 7 | 7 | 6 | 8 | 8 | 7 |
| HS = 26 | 7 | 9 | 8 | 5 | 1 | 1 | 3 | 1 | 1 | 1 | 1* | - | 1 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 5 | 1 |
| DU = 27 | 8 | 8 | 5 | 2 | - | - | 1* | 1* | 3* | 5* | 4* | 2* | 1* | - | 2 | 6 | 8 | 8 | 8 | 9 | 8 | 1 | 1* | 8 |
| YB = 28 | 8 | 5 | 2 | 2 | - | - | 2 | 1 | 2* | 1 | 1 | 1 | 1 | 2 | 5 | 6 | 7 | 6 | 2 | 5 | 7 | 6 | 1 | 6 |
| VK6 = 29 | 1* | 2 | 2 | 3 | 1 | - | 2 | 2 | 4 | 8 | 2 | 2 | 2 | - | - | - | - | 1* | 2 | 5 | 1 | 1* | 1* | 1* |
| VK3 = 30 | 3 | 2 | 1 | 2 | 1 | - | - | 6 | 7 | 5 | 4 | 1* | - | - | - | - | 1* | 2* | 1* | 1* | 1 | 4 | 6 | 5 |
| KH6 = 31 | 5 | 7 | 8 | 9 | 8 | 7 | 1* | 3* | 8 | 8 | 7 | 5 | 1 | - | 1* | 1 | 1 | 2 | 8 | 6* | 4* | 1 | 1 | 1 |
| KH8 = 32 | 3 | 5 | 5 | 5 | 8 | 8 | 5 | 5 | 6 | 6 | 3 | 2 | 1 | - | - | 2* | 2* | 6 | 6* | 6* | 5* | 3* | 2 | 2 |
| CN = 33 | 6 | 5 | 5 | 4 | - | - | - | 6 | 9+ | 9 | 8 | 7 | 6 | 6 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| SU = 34 | 9+ | 9+ | 8 | 1 | 1 | - | 8 | 9 | 7 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9 | 9 | 7 | 6 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 7 | 2 | 1* | 1* | - | 8 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | - | 1* | - | 3 | 9+ | 9 | 9 | 8 | 8 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9 | 5 | 2 | 1 | - | - |
| FR = 39 | 3 | - | 1* | 1* | 2 | 1 | 7 | 8 | 6 | 5 | 3 | 1 | 2 | 5 | 7 | 8 | 9 | 8 | 6 | 8 | 7 | 5 | 3 | 4 |
| FJL = 40 | - | - | - | - | 1 | - | - | 5 | 7 | 7 | 6 | 4 | 2 | 2 | 2 | 4 | 7 | 8 | 8 | 9 | 8 | 6 | 1 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Apr., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | 2 | 2 | 2 | 2 | - | - | - | 3* | 1* | - | - | - | - | - | - | - | - | 2* | 5* | 2* | 1* | - | - |
| VO2 = 02 | 8 | 4 | - | - | - | - | - | - | - | - | 5 | 7 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 9 | 9 | 8 | 2 | - | - | - | 1* | - | - | - | - | - | - | 1 | 4 | 5 | 4* | 7 | 7 | 8 | 7 | 8 | 8 |
| W9 = 04 | 9 | 9 | 4 | - | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | 7 | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | 6 | 2 | - | - | 5 | 8 | 8 | 8 | 9 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 8 | 8 | 3 | 1* | - | 1 | - | - | 3 | 8 | 8 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 |
| VP2 = 08 | 9 | 8 | 8 | 5 | 3 | - | - | - | - | - | 9+ | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9 | 9 | 7 | 5 | - | 1* | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | 3* | 1* | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 2 | 9+ | 9+ | 9 | 9 | 8 | 1* | - | 3 | 1 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 |
| CE = 12 | 9 | 8 | 3 | - | 3 | 1 | - | - | - | - | - | 2 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| LU = 13 | 6 | 4 | - | - | - | - | - | - | - | - | 9 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| G = 14 | - | - | - | - | - | - | - | - | 2* | 2 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 7 | - | - |
| I = 15 | - | - | - | - | - | - | - | 7 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | - | - |
| UN = 17 | 1 | 3 | 8 | 7 | - | - | 6 | 8 | 7 | 6 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 7 | 6 | 5 | 3 | 2 | 2 |
| UA9 = 18 | - | - | 1 | 2 | - | - | 1 | 8 | 7 | 6 | 6 | 7 | 6 | 6 | 6 | 6 | 4 | 7 | 4 | - | - | - | 1* | - |
| UA0 = 19 | 6 | 6 | 4 | 2 | - | - | - | 8 | 6 | 8* | 7 | 6 | 5 | 4 | 1 | - | - | - | - | 1* | 3* | - | - | 3 |
| 4X = 20 | 8 | 4 | - | - | 1* | - | 2 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 7 | 8 | 9 |
| HZ = 21 | 7 | 4 | 2* | 1 | 1* | - | 5 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | 2* | 2* | 8 | 8 | 1 | - | 5 | 8 | 7 | 4 | 8 | 9 | 7 | 7 | 8 | 8 | 9 | - | - | - | - | 1 | 1 | - |
| JT = 23 | - | 5 | 7 | 5 | - | - | 2 | 8 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 4 | 1 | - | - | - | 1* | - |
| VR2 = 24 | 8 | 8 | 8 | 4 | 1* | 1* | 2 | 4 | 3 | 6* | 6 | 5 | 6 | 6 | 8 | 7 | 5 | 6 | 7 | 6 | 1 | - | 2* | 4* |
| JA1 = 25 | 8 | 5 | 3 | 1 | - | - | 1 | 6 | 5 | 8* | 7* | 5 | 6 | 5 | 5 | 2 | 2 | 1 | - | - | 1* | 4* | 7 | 8 |
| HS = 26 | 3 | 8 | 4 | 2 | 2* | 1* | 3 | 6 | 7 | 6 | 7 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | - | 2* |
| DU = 27 | 9 | 8 | 5 | 2 | 2* | 2* | 1 | 5 | 5 | 7* | 7* | 5 | 5 | 6 | 8 | 8 | 8 | 9 | 9 | 8 | 2 | 1* | 3* | 6 |
| YB = 28 | 2* | 3* | 3* | 2* | 1* | - | 1 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 6 | 4* | 3* | 2* | - | - | - | - | - | 1* |
| VK6 = 29 | 2* | 2* | 1* | 1 | - | - | - | 3 | 7 | 6 | 6 | 5 | - | - | - | - | - | - | 1* | - | - | - | 2* | 2* |
| VK3 = 30 | 1* | - | - | 1* | - | - | - | - | 7 | 5 | 1* | - | - | - | - | - | - | - | - | - | 4* | 2* | 3* | 2* |
| KH6 = 31 | 8 | 8 | 8 | 8 | 7 | 1 | - | 4* | 6* | 5* | 3 | 2 | 1* | 1* | 1* | - | 5 | 6 | 6 | 7* | 6 | 7 | 6 | 7 |
| KH8 = 32 | 4* | 3* | 3* | 1* | 5 | 5 | 1* | 4* | 2* | 3* | 5* | 4* | 4* | 4* | 4* | 3* | - | 6 | 6 | 8* | 7* | 6 | 5 | 5* |
| CN = 33 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9 | 5 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | - | - |
| SU = 34 | 9 | 6 | 1 | - | 1* | - | 2 | 9+ | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| 6W = 35 | 9 | 8 | 8 | 9 | 1 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 7 | 3 | 1 | 5 | - | 1* | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 |
| 5Z = 37 | - | - | - | 4* | 4* | 1* | 2 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 3 | 4 | 1 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 4 | - | - | - | - | - |
| FR = 39 | - | - | 4* | 3* | 1* | - | 2 | 4 | 8 | 8 | 8 | 9 | 7 | 8 | 9 | 9 | 8 | 6 | 1 | 2 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 4* | 4 | 5 | 5 | 6 | 5 | 4 | 5 | 3 | 3 | 2 | 5 | 1 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Apr., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 7 | 4 | 5 | 5 | 6 | 8 | 8 | 7 | 5 |
| W6 = 03 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 4* | 5 | 6 | 2 | 6 | 7 |
| W9 = 04 | 9 | 6 | - | - | - | - | - | - | - | - | - | - | - | 4 | 2 | 2 | 4 | 5 | 6 | 8 | 8 | 8 | 9 | 9 |
| W3 = 05 | 7 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 1 | 4 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 9 | 8 | 6 | 5 | 5 | - | - | - | 1 | - | - | - | - | 5 | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 8 | 7 | 6 | 3 | 4 | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 1 | 2 | - | - | - | - | - | - | - | - | 6 | 9 | 5 | 2 | 2 | 4 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| P4 = 09 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 9 | 9 | 5 | 4 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 8 | 8 | 9 | 6 | 5 | 2 | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 7 | 2 | 8 | 1 | - | - | - | 9+ | 4 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4* | 9+ |
| CE = 12 | 6 | 1 | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 5* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | 1 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 5* | 1 |
| G = 14 | - | - | - | - | - | - | - | - | 4 | 8 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 1 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 8 | 8 | 4 | 1 | 1 | 4 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 6 | 6 | 6 | 6 | 5 | 6 | 7 | 7 | 7 | 8 | 8 | 7 | 3 | - | - | - |
| UN = 17 | - | - | 3 | 4 | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 3 | 1 | 1 | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | 4 | 8 | 5* | 4 | 2 | 2 | 1 | 1 | 1 | - | 2 | - | - | - | - | - | - |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | 4 | 7 | 7 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1* | - | - |
| 4X = 20 | 1 | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 1 | - | 1 | 2 |
| HZ = 21 | 1 | - | 1* | - | 1* | - | 1 | 5 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 8 | 4 |
| VU = 22 | 1* | 4* | 4 | 5 | - | - | 4 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 7 | 8 | 8 | - | - | - | - | - | - | - |
| JT = 23 | - | - | 1 | 1 | - | - | - | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 2 | 2 | - | - | - | - | - | - | - |
| VR2 = 24 | 5 | 8 | 4 | 1 | 1* | - | 1 | 5 | 5 | 5 | 7* | 6 | 6 | 7 | 8 | 4 | 1 | 2 | 3 | 1 | - | - | 4* | 5* |
| JA1 = 25 | 4 | 1 | - | - | - | - | - | 6 | 6 | 8* | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | 4* | 2 | 6 |
| HS = 26 | 5* | 5* | 4* | 2* | 1* | - | 1 | 4 | 8 | 6 | 6 | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | - | - | 4* |
| DU = 27 | 8 | 5* | 4* | 2* | 1* | 1* | - | 2 | 6 | 6* | 8* | 6* | 5 | 5 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | 5* | 5* |
| YB = 28 | 4* | 4* | 2* | - | - | - | - | 1 | 6 | 6 | 7 | 7 | 7 | 6 | 3* | 4* | 1* | - | - | - | - | - | - | 5* |
| VK6 = 29 | 1* | 1* | - | - | - | - | - | - | 7 | 6 | 7 | - | - | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 5 | 2* | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* | 1* |
| KH6 = 31 | 7 | 5 | 4 | 2 | 3 | - | - | - | 7* | 2* | - | - | 1* | - | - | - | 1 | 6 | 6 | 8 | 7 | 7 | 7 | 7 |
| KH8 = 32 | 3* | 1* | 1* | - | 1 | - | - | 5* | 6* | 6* | 6* | 6* | 5* | 4* | 2* | 1* | - | 1 | 7 | 8* | 8* | 7* | 6* | 5* |
| CN = 33 | - | - | - | - | - | - | - | - | 1 | 4 | - | - | - | - | 3 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | - | - | - |
| SU = 34 | 4 | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | 1 | 4 | 5 |
| 6W = 35 | 4 | 1 | 1 | 5 | - | - | - | - | 9 | 9+ | 9+ | 9 | 8 | 7 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| D2 = 36 | - | - | - | - | - | 1* | 1 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | - | 2 |
| 5Z = 37 | - | - | - | 4* | 2* | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 5* | 4* | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 3 | - | - | - | - | - | - |
| FR = 39 | - | - | - | 1* | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Apr., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 5 | 5 | 2 | - |
| W6 = 03 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | 1 | - | 2 | 2 |
| W9 = 04 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | 7 | 7 |
| W3 = 05 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 7 | 7 | 6 |
| XE1 = 06 | 5 | 4 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 6 |
| TI = 07 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 8 | 9 | 9 | 8 | 7 | 2 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | 2 | 7 | 9 | 9+ | 9 | 9 | 5 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | - | - | - | 1 | 6 | 9 | 9+ | 9 | 9 | 7 | 1 |
| HC = 10 | 8 | 7 | 4 | 1 | 1 | - | - | - | - | - | - | - | 4 | 5 | 5 | 5 | 7 | 9 | 9 | 9+ | 8 | 8 | 9 | 9 |
| PY1 = 11 | 7 | 4 | - | - | 2 | - | - | - | - | 6 | 9 | - | - | 1* | 1* | 2 | 8 | 9+ | 9+ | 9+ | 8 | 4* | 9 | 5 |
| CE = 12 | 1 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 7 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 5* | 5* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 3 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6* | 3* | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 4 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 9 | 9+ | 9 | 2 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | 1 | 4 | 1 | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | 2 | 7 | 7 | 8 | 7 | 7 | 7 | 8 | 7 | 2 | 2 | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 2 | 1* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 4 | 2 | 4* | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | 3 | 6 | 2* | 1* | - | 1 | 4 | 7 | 9 | 9 | 8 | 5 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 3 | - | 3 | 3 | - |
| VU = 22 | - | 1* | - | 1 | - | - | 1 | 2 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | 2 | 1 | 6* | 3* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 3 | 1* | - | - | - | - | - | 5 | 6 | 7* | 7 | 7 | 8 | 4 | 1 | - | - | - | - | - | - | - | 5* |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1 | 3 | 5* | 2 | - | - | - | - | - | - | - | - | - | 1* | - | 1 |
| HS = 26 | 5* | 5* | 2* | - | 1* | - | - | - | 5 | 7 | 8 | 6 | 7 | 7 | 9 | 8 | 6 | 4 | 1 | 1 | - | - | - | 1* |
| DU = 27 | 6* | 5* | 2* | 1* | 1* | - | - | - | 6 | 7 | 8* | 6 | 8 | 8 | 8 | 5 | 3 | 3 | - | - | - | - | 3* | 5* |
| YB = 28 | 3* | 2* | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 7 | 4* | 4* | 1* | - | - | - | - | - | - | - | 4* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 2 | 4* | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - |
| KH6 = 31 | 2 | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 7 | 3 |
| KH8 = 32 | 1* | - | - | - | - | - | - | - | 6* | 6* | 6* | 5* | 4* | 1* | - | - | - | - | 7 | 8 | 8 | 7* | 6* | 5* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9+ | 9+ | 5 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | 5 | 2* | 1* | 1* | - | 2 | 6 | 8 | 9 | 9+ | 9 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 8 | 4 | 2 | 5 | 5 | 3 | 3 | 6 | 9 | 9 | 9+ | 9+ | 8 | 2 | 1 |
| D2 = 36 | - | - | - | - | - | - | - | - | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | - |
| 5Z = 37 | - | - | - | - | 1* | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 | 2* | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 5 | 8 | 8 | 4 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 8 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Apr., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | 2 |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 5 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 5 | 1 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 3 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 4 | 6 | 7 | 5 | - | - |
| HC = 10 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 2 | 5 | 7 | 9 | 9 | 9 | 7 | 3 |
| PY1 = 11 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 6 | 8 | 6 | 4* | 9 | 4* | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5* | 4* | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 2* | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 5 | 5 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2* | 1 | 2 | 2 | 1 | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | 1* | 1 | 2 | 4 | 9 | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 8 | 1 | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 6 | 6 | 9 | 8 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 2* | 1* | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 8 | 7 | - | - | - | - | - | - | - | - | - | 1* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | 2* | 2* | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 8 | 5 | - | - | - | - | - | - | - | - |
| DU = 27 | 4* | 2* | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | 3* |
| YB = 28 | 1* | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 5 | 4* | 3* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 4 | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 2* | 2* | 4* | 2* | 1* | - | - | - | - | - | 2 | 8 | 8 | 4* | 2* | 1* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 1* | 1* | 1 | 3 | 5 | 1 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1* | 3* | 2 | 7 | 7 | 6 | 1 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 1* | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | 1 | 2* | 2 | - | 1 | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: May, Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 5 | 6 | 6 | 6 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W6 = 03 | - | - | - | - | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 3 | 5 | 5 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 4 | 5 | 6 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 4 | 5 | 3 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 1 | 3 | 4 | 4 | 4 | 3 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 |
| CE = 12 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 |
| G = 14 | 5 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 5 |
| I = 15 | 4 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 4 |
| UA3 = 16 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| HZ = 21 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 4 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 5 |
| SU = 34 | 3 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 5 | 5 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 6 | 6 |
| FR = 39 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: May, Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | 1 | 3 | 6 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 6 | 8 | 8 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| XE1 = 06 | 1 | 4 | 7 | 8 | 6 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| P4 = 09 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| HC = 10 | 4 | 6 | 7 | 7 | 7 | 6 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| PY1 = 11 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9 |
| CE = 12 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 7 |
| G = 14 | 8 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 8 |
| I = 15 | 7 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 7 |
| UA3 = 16 | 7 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 8 |
| UN = 17 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 6 |
| HZ = 21 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 7 |
| VU = 22 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 7 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 3 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 2 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | - | - |
| KH6 = 31 | - | - | - | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 8 |
| SU = 34 | 6 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 7 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | - | 5 | 8 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 8 | 8 | 9 | 9 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 8 | 9 | 9 |
| FR = 39 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| FJL = 40 | 2 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: May, Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1 | 2 | 3 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 |
| W6 = 03 | 2 | 5 | 6 | 7 | 8 | 8 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| XE1 = 06 | 6 | 8 | 8 | 8 | 9 | 8 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| VP2 = 08 | 9+ | 9+ | 9 | 9 | 9 | 9 | 5 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3 | 7 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 9 | 9 | 7 | 3 | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 2 | - | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 9 |
| I = 15 | 9 | 9 | 9 | 8 | - | - | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 |
| UA3 = 16 | 9 | 8 | 8 | 7 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 8 | 8 | 9 |
| UN = 17 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 6 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 6 | 7 | 6 | 8 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 4 | 1 | 1 |
| 4X = 20 | 9 | 8 | 8 | 6 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 8 | 8 | 8 |
| JT = 23 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 | 8 | 5 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 6 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 2 | 1 | - |
| HS = 26 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 5 | 7 | 5 | 4 |
| YB = 28 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 6 | 2 |
| KH6 = 31 | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 5 | 6 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 9 | 2 | - | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 6 | 5 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9+ | 9 | 8 | 6 | 4 | 2 | 1 | 1 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 5 | 6 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 9 | 9 | 9 |
| FJL = 40 | 8 | 8 | 6 | 7 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: May, Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3 | 5 | 5 | 5 | 4 | - | 1 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | 1* | - | - | 1 | 1 | 1 | 2 |
| VO2 = 02 | 8 | 8 | 8 | 6 | 6 | 1 | - | 6 | 8 | 5 | 3 | 1 | 1 | - | - | - | - | 1 | 3 | 5 | 6 | 8 | 8 | 8 |
| W6 = 03 | 5 | 7 | 7 | 7 | 7 | 4 | - | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | 6 | 6 | 5 | 3 | 2 | 1 | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 |
| W3 = 05 | 9 | 9 | 8 | 8 | 7 | 3 | 1* | 5 | 6 | 5 | 5 | 2 | 1 | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 7 | 4 | 5 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 7 | 3 | 2 | 8 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 8 | 7 | 2 | - | 1 | 8 | 8 | 6 | 4 | 1 | 1 | - | - | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 8 | 8 | 5 | - | 1 | 7 | 7 | 6 | 3 | 1 | 1 | - | - | - | 1 | 2 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 4 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| PY1 = 11 | 9+ | 9 | 9 | 9 | 9 | 6 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 2 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 9 | 8 | 8 | 9 | 9 | 8 | 5 | 3 | 2 | 2 | 5 | 3 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 3 | 4 | 8 | 7 | 5 | 1 | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 | 9 |
| G = 14 | 9 | 7 | 4 | 2 | - | - | 1 | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 | 8 | 8 | 9 |
| I = 15 | 9 | 5 | 1 | - | - | - | 4 | 7 | 2 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 6 | 4 | 2 | - | - | 3 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 7 | 4 | - | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 4 | 7 | 8 | 8 |
| UA0 = 19 | 2 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 6 | 5 | 2 |
| 4X = 20 | 8 | 7 | 2 | 3 | - | 1 | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 8 | 8 | 7 | 6 | 2 | 3 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 | 8 | 9 | 8 | 9 |
| VU = 22 | 8 | 7 | 7 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 8 | 8 | 7 | 7 | 8 |
| JT = 23 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 4 | 4 | 8 | 7 | 4 |
| VR2 = 24 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 8 | 7 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 4 | 2 |
| HS = 26 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 8 | 8 | 8 | 5 | 6 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 7 | 5 | 6 | 5 |
| YB = 28 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 6 | 5 |
| VK6 = 29 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 7 | 5 | 4 | 5 |
| VK3 = 30 | 4 | 1 | 1 | 1 | - | - | 1 | 4 | 4 | 2 | - | - | - | - | - | - | 1 | 4 | 5 | 4 | 4 | 5 | 6 | 6 |
| KH6 = 31 | - | - | 4 | 5 | 6 | 5 | 1 | 4 | 8 | 6 | 2 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | 1 | 5 | 6 | 7 | 6 | 6 | 7 | 5 | 3 | - | - | - | - | - | - | 1* | 2* | 1* | 1* | - | - | - |
| CN = 33 | 8 | 2 | - | 1 | - | - | - | 8 | 7 | 5 | 4 | 2 | 1 | - | - | 1 | 2 | 5 | 7 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 3 | - | 1 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9 | 8 | 8 | 3 | 1 | 4 | 9+ | 9+ | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 7 | 5 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 9 | 6 | 1 | 1 | 5 | 7 | 6 | 1 | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 2 | 3 | 4 | 1 | - | - | 6 | 8 | 6 | 3 | 1 | - | - | 1 | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 5 | 4 | 3 |
| FR = 39 | 7 | 5 | 2 | 5 | 4 | 5 | 5 | 2 | 1 | - | - | - | - | - | 1 | 3 | 6 | 6 | 7 | 8 | 8 | 8 | 7 | 7 |
| FJL = 40 | 8 | 7 | 6 | 5 | - | - | 3 | 3 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 7 | 7 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: May, Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 2 | 1 | 4 | 1 | - | - | 1* | 6* | 4* | 3* | 2 | 1 | 2 | 2 | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 6 | 3 | - | 1 | - | - | 4 | 1 | 7 | 9 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 8 | 5 | 2 | 1 | 3 | - | - | 2* | 3* | 2* | 1* | - | 1 | 4 | 2 | 1 | 3 | 4 | 2 | 3 | 4 | 5 | 6 | 7 |
| W9 = 04 | 9 | 8 | 5 | 2 | 5 | - | - | 2* | 1 | 3 | 2 | 8 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 | 9 | 9 | 9 |
| W3 = 05 | 8 | 6 | 1 | - | 2 | - | - | - | 1 | 1 | 8 | 6 | 4 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 7 | 4 | 6 | 2 | 1* | 2* | 7 | 8 | 2 | 8 | 6 | 5 | 4 | 5 | 5 | 5 | 2 | 4 | 5 | 8 | 8 | 9 |
| TI = 07 | 9 | 8 | 6 | 2 | 5 | 2 | 1* | 2* | 2* | 6 | 1 | 7 | 6 | 5 | 5 | 5 | 3 | 5 | 5 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 5 | - | - | - | - | 1* | - | 5 | 9 | 9 | 9 | 8 | 7 | 6 | 6 | 7 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 8 | 2 | - | 1 | - | 1* | 1* | 4 | 4 | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 8 | 7 | 7 | 5 | 1* | 1* | 4 | - | 7 | 7 | 5 | 5 | 4 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 2 | 9+ | 9+ | 9+ | 9+ | 9 | 2 | 2 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 2 |
| CE = 12 | 9 | 8 | 6 | 6 | 4 | 5 | - | - | - | - | 3 | 8 | 8 | 6 | 5 | 2 | 4 | 5 | 8 | 9 | 9 | 9 | 9 | 9 |
| LU = 13 | 6 | 2 | 1 | 2 | 4 | 2 | - | - | - | 1 | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 8 | 5 |
| G = 14 | 1 | - | - | - | - | - | - | 9 | 7 | 6 | 6 | 4 | 3 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| I = 15 | - | - | - | - | 1* | - | - | 9 | 6 | 7 | 6 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9 | 6 | 5 |
| UA3 = 16 | 2 | - | - | - | 1* | - | 3 | 8 | 7 | 5 | 4 | 3 | 4 | 4 | 4 | 5 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| UN = 17 | 9 | 7 | 4 | 2 | - | - | 5 | 4 | 2 | 3 | - | 1 | 1 | 1 | 3 | 6 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 6 | - | - | - | - | - | 2 | 5 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 8 | 6 | 8 | 9 | 9 | 8 | 7 | 7 |
| UA0 = 19 | 3 | - | - | - | - | - | - | 5 | 7 | 7 | 4* | 2* | 1* | 1 | 1 | 3 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| 4X = 20 | 7 | 3 | - | - | 1* | - | 8 | 8 | 6 | 4 | 4 | 3 | 3 | 4 | 6 | 7 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 9 |
| HZ = 21 | 8 | 8 | 6 | 3 | 1* | 1 | 7 | 7 | 5 | 3 | 1 | 1 | 1 | 4 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 8 | 5 | - | 2 | 5 | 2 | 1 | - | - | - | - | 1 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| JT = 23 | 5 | 1 | - | - | - | - | 2 | 2 | 2* | 3 | 1 | 1 | 1 | 1 | 2 | 4 | 8 | 6 | 9 | 8 | 8 | 5 | 5 | 8 |
| VR2 = 24 | 8 | 7 | 5 | 1 | - | - | - | - | - | 8 | 3* | 1* | 1* | 1 | 2 | 7 | 8 | 8 | 8 | 9 | 8 | 6 | 5 | 8 |
| JA1 = 25 | 1 | - | - | - | - | - | 1 | 1 | 6 | 7 | 5* | 2* | 1 | 1 | 2 | 3 | 8 | 8 | 7 | 8 | 8 | 8 | 7 | 6 |
| HS = 26 | 8 | 6 | 5 | 2 | - | 1 | 2 | 2 | 1 | 1 | 1* | 1 | 1 | 2 | 4 | 6 | 8 | 8 | 8 | 5 | 5 | 1 | 1* | 1 |
| DU = 27 | 7 | 6 | 3 | - | - | - | - | - | 1* | 8 | 4* | 2* | 1 | 1 | 3 | 6 | 7 | 8 | 8 | 7 | 2 | 1* | 1* | 8 |
| YB = 28 | 1* | 1* | - | - | - | - | 1 | 2 | 1 | 8 | 1* | 1 | 2 | 4 | 5 | 5 | 4 | 2 | 1 | 6 | 6 | 1 | 1* | 1* |
| VK6 = 29 | 1* | - | 1 | 2 | - | - | 1 | 5 | 7 | 7 | 3 | 3 | 1 | - | - | - | 1* | 1* | 1* | 1* | - | 1* | 1* | 1* |
| VK3 = 30 | 2 | 1 | 1 | 1 | - | - | - | 2 | 7 | 4 | 2* | - | - | - | - | - | 1* | 1* | 1* | 1* | 1* | 1 | 5 | 4 |
| KH6 = 31 | 4 | 5 | 2 | 1 | 4 | - | 1* | 4* | 6 | 8 | 8 | 7 | 2 | 1* | 1* | 1 | 3 | 8 | 8 | 4* | 1 | 1 | 1 | 1 |
| KH8 = 32 | 2 | 2 | 2 | 4 | 8 | 6 | 3* | 2 | 8 | 5* | 1 | 1 | 1 | 1 | - | 1* | - | 5 | 5 | 6* | 5* | 4 | 2 | - |
| CN = 33 | - | - | - | - | - | - | - | 2 | 9 | 9 | 9 | 9 | 7 | 6 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 2 | 1 |
| SU = 34 | 6 | 2 | - | - | 1* | - | 8 | 9 | 7 | 4 | 2 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 9 | 9 |
| 6W = 35 | 8 | - | - | 1 | - | - | - | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 2 | 4 | 6 | 8 | 2 | 3 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 6 |
| 5Z = 37 | - | - | - | 1* | 1* | - | 7 | 9 | 8 | 7 | 3 | 3 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9 | 2 | 1 | 2 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | 9 | 6 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 6 | 2 | - | - | - | - |
| FR = 39 | 1 | - | - | - | - | 1 | 5 | 8 | 6 | 5 | 4 | 4 | 4 | 5 | 7 | 8 | 7 | 5 | 6 | 5 | 7 | 4 | 1 | 2 |
| FJL = 40 | 5 | 1 | - | - | - | - | - | 9 | 8 | 8 | 6 | 5 | 4 | 3 | 4 | 4 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: May, Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | - | - | - | - | - | - | - | 5* | 5* | 3* | - | - | - | - | - | - | - | 5* | 3* | 1 | 1 | 2 | - |
| VO2 = 02 | 4 | - | - | - | - | - | - | - | - | - | 5 | 8 | 7 | 5 | 8 | 9 | 9 | 9 | 7 | 9 | 9 | 9 | 9 | 8 |
| W6 = 03 | 3 | - | - | - | - | - | - | - | 5* | 2* | 1* | - | - | - | 5 | 7 | 3 | 5* | 7 | 8 | 8 | 8 | 8 | 7 |
| W9 = 04 | 6 | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 8 | 7 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| XE1 = 06 | 7 | 3 | - | - | - | - | - | - | - | 5 | - | - | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9 |
| TI = 07 | 6 | 2 | - | - | - | - | - | - | - | 1 | - | 1 | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 |
| P4 = 09 | 3 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 9 | 8 | 3 | - | 2 | - | 1* | - | - | - | - | 7 | 8 | 8 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 8 | 8 | 5 | 5 | 9 | 3 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9+ | 7 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 8 | 4* | 1* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | 4 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5* | 1* |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | - |
| I = 15 | - | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 1 |
| UN = 17 | 2 | - | - | - | - | - | 5 | 8 | 6 | 5 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | 7 | 8 | 6 | 6 | 7 | 6 | 6 | 5 | 7 | 8 | 8 | 8 | 6 | 6 | 1 | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | 7 | 7 | 7* | 7* | 6 | 6 | 6 | 7 | 6 | 5 | 4 | 3 | 2 | 5* | 2 | 5 | 3 |
| 4X = 20 | - | - | - | - | - | - | 2 | 1 | 8 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 8 | - | - | - |
| HZ = 21 | 1 | 3 | 1 | - | 1* | - | 6 | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 7 | 7 |
| VU = 22 | 4 | 5 | 2 | - | - | - | 6 | 8 | 7 | 4 | 7 | 8 | 6 | 7 | 8 | 9 | 9 | 8 | 1 | - | 2 | 3 | 2 | 1 |
| JT = 23 | - | - | - | - | - | - | 2 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 5 | - | 1* | - | 1 |
| VR2 = 24 | 4 | 2 | 1 | - | - | - | 3 | 5 | 3 | 7* | 5 | 5 | 3 | 4 | 6 | 8 | 6 | 6 | 7 | 6 | 3 | - | 2* | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | 6 | 5 | 8* | 7* | 5 | 6 | 7 | 7 | 7 | 6 | 4 | 1 | 1 | 5* | 6 | 8 | 1 |
| HS = 26 | 4 | 3* | 1* | - | - | - | 3 | 7 | 7 | 7 | 6 | 4 | 5 | 6 | 8 | 8 | 8 | 4 | - | - | - | - | - | 2* |
| DU = 27 | 4* | 4* | 1* | - | - | - | 2 | 5 | 6 | 8* | 7* | 5* | 4 | 4 | 8 | 6 | 2 | 1 | - | - | - | 1* | 4* | 4* |
| YB = 28 | 1* | - | - | - | - | - | 1 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 8 | 8 | 6 | 1 | - | - | - | - | - | - | 1* | - | - | - | 2* | 2* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 5 | 2* | 1* | - | - | - | - | - | - | - | - | - | 1* | 2* | 2* | 1* |
| KH6 = 31 | 2 | - | - | - | - | - | - | 1* | 6* | 7 | 5 | 4 | 1* | 1* | 1* | - | 5 | 6 | 6 | 6 | 6 | 7 | 6 | 5 |
| KH8 = 32 | - | - | - | - | 5 | 2 | 1* | 4* | 2* | 4* | 4* | 3* | 1* | - | - | - | - | 2 | 7 | 8* | 7 | 6 | 5* | 1* |
| CN = 33 | - | - | - | - | - | - | - | - | 6 | 7 | 1 | - | 1 | 3 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 2 | - | - |
| SU = 34 | - | - | - | - | 1* | - | 1 | 9+ | 8 | 6 | 5 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | 2 |
| 6W = 35 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 |
| D2 = 36 | - | - | - | 1 | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 4* | 1* | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 8 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | 1 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 6 | - | 1 | - | - | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 7 | 8 | 6 | 4 | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: May, Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 5 | 7 | 8 | 7 | 3 | 5 | 8 | 8 | 8 | 1 |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 3* | 4 | 5 | 5 | 6 | 6 | 1 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | 1 | 1 | 3 | 6 | 7 | 7 | 9 | 8 | 2 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | - | - | 1 | 5 | 6 | 6 | 8 | 9 | 9 | 7 | - |
| XE1 = 06 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 4 | 2 | 6 | 8 | 9 | 8 | 8 | 9 | 9 | 4 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 1 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 4 | - | - | 3 | 9 | 9 | 9+ | 9+ | 9+ | 8 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 5 | 1 | 1 | 4 | 9 | 9 | 9+ | 9+ | 9+ | 9 | - |
| HC = 10 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 7 |
| PY1 = 11 | 1 | - | - | - | 5 | - | - | - | - | 9 | 1 | 5 | 7 | 6 | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 3* | 5 | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 8 | 3* | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5* | 1* | - |
| G = 14 | - | - | - | - | - | - | - | - | 6 | 6 | 2 | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9+ | 8 | 9 | 6 | 1 | - |
| I = 15 | - | - | - | - | - | - | - | - | 6 | 2 | 1* | 5 | - | 1 | 4 | 7 | 9 | 9+ | 9+ | 9+ | 8 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 6 | 5 | 4 | 4 | 3 | 2 | 4 | 5 | 6 | 8 | 9 | 9 | 8 | 7 | - | - |
| UN = 17 | - | - | - | - | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 7 | 3* | 4* | 2* | 2* | 1 | 1 | 2 | 2 | 5 | 3 | 1 | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 5 | 5 | 7* | 5 | 5 | 4 | 3 | 1 | - | - | - | - | 2* | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 6 | 6 | 6 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 2 | 4 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 8 | 1 | 1 | 1 | 1 |
| VU = 22 | - | 1 | - | - | - | - | 4 | 8 | 7 | 6 | 5 | 7 | 8 | 8 | 7 | 8 | 9 | 1 | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | 4 | 6 | 5 | 6* | 5* | 3 | 5 | 7 | 6 | 6 | 5 | 2 | - | - | - | - | - |
| VR2 = 24 | 1* | - | - | - | - | - | 1 | 4 | 5 | 5 | 7* | 6* | 5 | 5 | 7 | 6 | 2 | 1 | 2 | 1 | - | - | 4* | 1* |
| JA1 = 25 | - | - | - | - | - | - | - | 2 | 5 | 6 | 7* | 7 | 7 | 6 | 5 | 2 | 2 | - | - | - | - | 1 | 1 | - |
| HS = 26 | 2* | 1* | - | - | - | - | 1 | 5 | 7 | 8 | 6 | 6 | 7 | 6 | 7 | 8 | 2 | - | - | - | - | - | - | 4* |
| DU = 27 | 3* | 2* | - | - | - | - | 1 | 2 | 6 | 5 | 7* | 6* | 4 | 5 | 7 | - | - | - | - | - | - | - | 5* | 4* |
| YB = 28 | - | - | - | - | - | - | - | - | 6 | 7 | 6 | 8 | 7 | 2 | 1* | - | - | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 4 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1* | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 1* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 5* | 2 | 1 | 1 | - | - | - | - | 1 | 4 | 4 | 5 | 6 | 7 | 5 | - |
| KH8 = 32 | - | - | - | - | 1 | - | - | 4* | 6* | 5* | 2* | - | - | - | - | - | - | - | 7 | 8 | 8 | 6* | 1* | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | 4 | 7 | 9+ | 9+ | 9+ | 9 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 5 | 5 | 2 | 5 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 1 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | 5 | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 1* | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 7 | 9 | 7 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | 1 | 1 | - | - | 1 | 1 | 1 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: May, Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - | 5 | 7 | 1 | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 2 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 8 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4 | 7 | 8 | 9 | 8 | 5 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 6 | 8 | 8 | 9 | 8 | 8 | 1 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 7 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 8 | 1 | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 8 | 8 | 8 | 7 | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | 2 | 9+ | - | - | 1* | 1* | - | 4 | 6 | 6 | 5 | 4* | 8 | - | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 9 | 1 | 6 | 7 | 9 | 9 | 9 | 9 | 2* | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 4 | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 9 | 8 | 6 | 1 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 2 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 7 | 5 | 1 | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 6 | 5 | 5 | 5* | 4 | 5 | 5 | 6 | 5 | 7 | 6 | 5 | 2 | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | - | 1* | 2* | 2* | 1* | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 4 | 2 | 1 | 2 | 6 | 9 | 9 | 9+ | 9+ | 5 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 5 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 3* | 6* | 3* | 1* | - | - | 2 | 1 | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 7 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 7 | 8 | 9 | 8 | 4 | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 6 | 8 | 8 | 2 | - | - | - | - | - | - | - | 1* | - |
| YB = 28 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 4 | 1* | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 1 | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 5* | 1* | - | - | - | - | - | - | - | - | 2 | 7 | 7* | 3* | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 1 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1* | 1 | 5 | 7 | 8 | 9 | 9+ | 8 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 4 | 4 | 3 | 6 | 7 | 6 | 5 | 5 | 6 | 9 | 9+ | 9 | 5 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 3* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: May, Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 5 | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 4 | 1 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 1 | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 9 | 7 | 1 | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 4* | 4* | 5* | 9 | 1 | - | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 9 | 9 | 9 | 9 | 4 | - | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 5 | 1* | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 1 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 1* | 1* | - | 4 | 2 | 1 | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 7 | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | - | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 7 | 9 | 8 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | 4 | 6 | 5 | 6 | 7 | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 8 | 6 | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 1* | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4* | - | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1 | 1 | 4 | 7 | - | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 1 | - | 4 | 6 | 4 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | - | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 2* | 2 | 3 | 3 | 4* | 3* | 2* | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jun., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 4 | 5 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W6 = 03 | - | - | - | - | 2 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 2 | 4 | 5 | 5 | 4 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 3 | 5 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 1 | 4 | 5 | 5 | 5 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 3 | 3 | 4 | 5 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| P4 = 09 | 4 | 5 | 5 | 4 | 6 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 5 | 6 | 6 |
| CE = 12 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 5 |
| G = 14 | 2 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 |
| I = 15 | 4 | 4 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 2 | 4 | 4 |
| UA3 = 16 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| UN = 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | 2 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 2 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| HZ = 21 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 4 |
| VU = 22 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 4 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4 | 2 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| SU = 34 | 4 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 9 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 6 |
| FR = 39 | 6 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jun., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W6 = 03 | - | - | - | 2 | 5 | 7 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 5 | 7 | 8 | 8 | 7 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| XE1 = 06 | 1 | 4 | 7 | 8 | 8 | 8 | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 6 | 6 | 7 | 8 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| P4 = 09 | 7 | 8 | 8 | 7 | 9 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 9 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 6 | 9 | 8 | 9 | 9 |
| CE = 12 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 8 |
| G = 14 | 5 | 7 | 7 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 5 | 5 |
| I = 15 | 7 | 7 | 7 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 5 | 7 | 7 |
| UA3 = 16 | 8 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 7 | 8 | 8 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 6 | 4 | 5 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 5 | 7 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 |
| HZ = 21 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 7 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 2 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 3 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | - |
| YB = 28 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 7 | 2 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 1 | - |
| KH6 = 31 | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 |
| SU = 34 | 7 | 7 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9+ | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 9 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| FJL = 40 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jun., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | 1 | - | 1 | 4 | 3 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 |
| W6 = 03 | 1 | 4 | 6 | 8 | 7 | 7 | 5 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 8 | 9 | 8 | 6 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 |
| XE1 = 06 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| TI = 07 | 8 | 8 | 9 | 9 | 8 | 9 | 5 | - | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 5 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 4 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9+ | 9 | 9 | 7 | 4 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | 3 | 5 | 7 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 2 | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 6 | 8 | 8 | 9 |
| I = 15 | 9 | 9 | 9 | 8 | - | - | 6 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 6 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 9 | 8 |
| UN = 17 | 8 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 4 | 6 | 7 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 2 | 1 | 1 | - |
| 4X = 20 | 8 | 8 | 8 | 7 | 5 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 6 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 8 | 8 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 5 | 4 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 5 | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 1 | - | - |
| HS = 26 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 8 | 9 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 7 | 4 |
| YB = 28 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | 1 | - | - | - | - | - | 1 | 3 | 2 | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 | 7 | 5 |
| KH6 = 31 | - | - | - | 1 | 5 | 6 | 4 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 6 | 6 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9+ | 9 | 9 | 7 | 1 | - | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9 | 9+ | 9 | 8 | 6 | 4 | 2 | 1 | 2 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 6 | 6 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 4 | 4 | 8 | 7 | 3 | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 8 | 8 |
| FJL = 40 | 6 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jun., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 2 | 2 | 2 | 2 | - | 1 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| VO2 = 02 | 8 | 8 | 5 | 5 | 4 | 1 | - | 6 | 8 | 6 | 2 | 2 | 1 | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 8 | 9 |
| W6 = 03 | 4 | 6 | 6 | 5 | 5 | 1 | - | 3 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| W9 = 04 | 7 | 8 | 8 | 6 | 7 | 2 | - | 5 | 7 | 5 | 5 | 2 | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | |
| W3 = 05 | 8 | 8 | 6 | 5 | 5 | 1 | - | 5 | 7 | 6 | 2 | 2 | 1 | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 7 | 4 | - | - | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| TI = 07 | 8 | 8 | 8 | 7 | 6 | 4 | - | - | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | 1 | 1 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 8 | 5 | 3 | - | - | - | 8 | 8 | 6 | 3 | 2 | 1 | - | - | 1 | 1 | 3 | 5 | 7 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 8 | 6 | 4 | - | - | - | 8 | 7 | 6 | 3 | 1 | 1 | - | - | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 6 | 6 | 5 | 1 | - | 6 | 5 | 3 | 1 | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 |
| PY1 = 11 | 6 | 5 | 5 | 4 | 6 | 9 | 8 | 7 | 1 | 9 | 9 | 8 | 5 | 3 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 7 |
| CE = 12 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | - | - | - | 5 | 4 | 1 | - | - | - | - | - | 2 | 6 | 8 | 8 | 9 | 7 |
| LU = 13 | 7 | 6 | 5 | 6 | 8 | 6 | - | - | 1 | 8 | 8 | 6 | 2 | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 8 |
| G = 14 | 9 | 8 | 2 | - | - | - | 1 | 5 | 2 | 1 | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 | 8 | 8 | 8 |
| I = 15 | 9 | 9 | 4 | - | - | - | 2 | 6 | 2 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 6 | 2 | - | - | 2 | 2 | - | - | - | - | - | - | - | 1 | 1 | 6 | 5 | 5 | 8 | 8 | 8 | 8 |
| UN = 17 | 7 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 7 | 7 | 8 | 8 |
| UA9 = 18 | 7 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 7 | 6 | 6 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 6 | 5 | 2 | 1 |
| 4X = 20 | 8 | 7 | 8 | 4 | - | - | 4 | 2 | 1 | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 8 | 9 | 9 |
| HZ = 21 | 8 | 7 | 6 | 6 | 1 | 2 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 8 |
| VU = 22 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 3 | 3 | 7 |
| VR2 = 24 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 7 | 7 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 2 | 4 | 5 | 2 | 6 | 2 | 1 |
| HS = 26 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 7 | 5 | - | 1 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 7 | 6 | 6 | 5 |
| YB = 28 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 | 8 | 5 | 4 | 5 |
| VK6 = 29 | 5 | 4 | 4 | 2 | - | - | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 | 6 | 5 | 6 |
| VK3 = 30 | 4 | 2 | 2 | 1 | 1 | - | 1 | 5 | 5 | 3 | 1 | - | - | - | - | - | 2 | 4 | 5 | 4 | 2 | 3 | 5 | 5 |
| KH6 = 31 | - | - | 1 | 4 | 4 | 1 | 1* | 1* | 5 | 6 | 2 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | 2 | 4 | 6 | 6 | 2 | 2 | 7 | 5 | 3 | - | - | - | - | - | - | 1* | 4 | 2* | 1* | - | - | - |
| CN = 33 | 9 | 3 | - | - | - | - | - | 8 | 6 | 4 | 4 | 1 | 1 | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 7 | 3 | - | - | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 8 | 8 | 1 | - | 2 | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9 | 9 | 9 | 9 | 6 | 7 | 9 | 9+ | 9 | 8 | 7 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| 5Z = 37 | 5 | 5 | 2 | - | - | 1 | 7 | 6 | 1 | - | - | - | - | - | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 5 | 5 | 4 |
| ZS6 = 38 | - | 1 | 1 | - | - | - | 5 | 9 | 7 | 4 | 1 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9 | 5 | 1 | - | - | - |
| FR = 39 | 5 | 4 | 2 | 4 | 1 | 1 | 4 | 3 | 1 | - | - | - | - | - | 1 | 4 | 6 | 6 | 5 | 6 | 7 | 4 | 4 | 6 |
| FJL = 40 | 7 | 7 | 5 | 3 | - | - | 2 | 2 | - | - | - | - | - | - | - | - | - | 1 | 5 | 2 | 6 | 7 | 7 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jun., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 5 | - | - | - | - | - | - | - | 8 | 6 | 5 | 4 | 4 | 3 | 2 | 4 | 5 | 6 | 7 | 7 | 7 | 7 | 8 | 7 |
| VO2 = 02 | 9 | 4 | - | - | - | - | - | 3 | 1 | 8 | 8 | 7 | 7 | 7 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 7 | 4 | - | - | - | - | - | 4* | 4* | 2* | 2* | - | 1 | 4 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 5 | 6 | 8 |
| W9 = 04 | 9 | 7 | 1 | - | - | - | - | 3* | 1 | 3 | 2 | 8 | 5 | 6 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 |
| W3 = 05 | 7 | 2 | - | - | - | - | - | - | 2 | 1 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 8 | 5 | 1 | 1 | - | - | 3* | 3* | 8 | 1* | 8 | 4 | 4 | 5 | 5 | 6 | 5 | 3 | 4 | 6 | 7 | 8 | 9 |
| TI = 07 | 9 | 8 | 5 | - | 1 | - | 1* | 2* | 2* | 6 | - | 7 | 6 | 5 | 6 | 5 | 6 | 4 | 5 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 3 | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 7 | 1 | - | - | - | - | 1* | - | 5 | 8 | 8 | 7 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| HC = 10 | 8 | 8 | 7 | 4 | 3 | 1 | 1* | 1* | 4 | - | 6 | 6 | 6 | 5 | 4 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9 | 9 | 8 | 8 | 9 | 8 | - | - | 5 | 7 | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | 9 |
| CE = 12 | 1 | 1 | - | - | - | - | - | - | - | - | - | 8 | 8 | 6 | 4 | 4 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9 | 1 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 5 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 3 | - |
| G = 14 | 3 | - | - | - | - | - | - | 8 | 8 | 5 | 5 | 4 | 3 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| I = 15 | 5 | - | - | - | - | - | - | 9 | 4 | 8 | 7 | 5 | 5 | 4 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 |
| UA3 = 16 | 8 | 1 | - | - | - | - | 1 | 7 | 7 | 7 | 5 | 4 | 5 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UN = 17 | 9 | 9 | 7 | 2 | - | - | 5 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 4 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| UA9 = 18 | 8 | 5 | - | - | - | - | 1 | 4 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 8 |
| UA0 = 19 | 6 | 2 | - | - | - | - | - | 3 | 4 | 8 | 4* | 2* | 1* | 1* | 1 | 2 | 6 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| 4X = 20 | 6 | 3 | 1 | - | - | - | 5 | 8 | 7 | 6 | 4 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 8 | 6 |
| HZ = 21 | 3 | 4 | 1 | 2 | - | - | 6 | 7 | 5 | 4 | 4 | 3 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 5 |
| VU = 22 | 9 | 8 | 8 | 5 | - | - | 5 | 2 | 1 | - | - | - | 2 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| JT = 23 | 8 | 7 | 2 | - | - | - | 2 | 1 | 1 | 3* | 1 | 1 | - | 1 | 2 | 4 | 7 | 7 | 8 | 9 | 9 | 8 | 8 | 8 |
| VR2 = 24 | 8 | 7 | 4 | - | - | - | 1 | - | - | 8 | 3* | 1* | 1* | 1 | 3 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 8 |
| JA1 = 25 | 5 | 2 | - | - | - | - | - | 2 | 8 | 8 | 5* | 2* | 1* | 1* | 1 | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |
| HS = 26 | 5 | 6 | 2 | - | - | - | 2 | 2 | 1 | 1* | 1 | - | 2 | 2 | 5 | 7 | 8 | 8 | 7 | 1 | - | - | 2* | 1* |
| DU = 27 | 6 | 5 | 1 | - | - | - | - | - | 8 | 8 | 4* | 2* | 1 | 1 | 4 | 7 | 8 | 7 | 6 | 4 | 1 | 1* | 1* | 8 |
| YB = 28 | 1* | - | - | - | - | - | 1 | 3 | 1 | 8 | 2* | 2 | 3 | 4 | 5 | 4 | 4 | 2 | - | 2 | - | - | - | 1* |
| VK6 = 29 | 1* | - | - | - | - | - | - | 6 | 6 | 7 | 5 | 4 | - | - | - | - | - | 1* | 1* | 1* | - | 1* | 1* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | 2 | 8 | 3* | 1* | - | - | - | - | - | 1* | - | - | - | 2* | 1* | 1 | 1 |
| KH6 = 31 | 2 | 3 | 1 | - | - | - | - | 3* | 3 | 9 | 8 | 7 | 4 | 1 | 1* | 2 | 4 | 8 | 8 | 3* | 1 | 1 | 1 | 1 |
| KH8 = 32 | - | - | - | - | 5 | 3 | 2* | 2* | 2* | 3* | 1* | - | - | - | - | - | - | 4 | 5 | 7* | 5 | 5 | 1 | - |
| CN = 33 | - | - | - | - | - | - | - | - | 9 | 8 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | - |
| SU = 34 | 3 | - | - | - | - | - | 5 | 8 | 7 | 6 | 5 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 7 | 5 |
| 6W = 35 | 9 | 4 | - | - | - | - | - | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 2 | 3 | 3 | 3 | 1 | 1 | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | - | 2 |
| 5Z = 37 | - | - | - | - | - | - | 5 | 9 | 8 | 6 | 4 | 4 | 4 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9 | 1* | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | 8 | 9 | 9 | 7 | 7 | 7 | 7 | 8 | 9 | 9+ | 9 | 3 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 3 | 8 | 6 | 6 | 5 | 5 | 4 | 5 | 7 | 8 | 6 | 2 | 1 | 1 | - | - | - | - |
| FJL = 40 | 7 | - | - | - | - | - | - | 8 | 8 | 6 | 6 | 6 | 5 | 4 | 5 | 5 | 6 | 5 | 6 | 9 | 8 | 8 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jun., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | 4* | 8* | 5* | 2* | - | 1 | - | - | - | 2* | 3* | 2 | - | - | 3 | 2 |
| VO2 = 02 | 3 | - | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 7 | 8 | 9 | 8 | 9 | 8 | 8 | 9 | 9 | 8 | 1 |
| W6 = 03 | 2 | - | - | - | - | - | - | 1* | 7* | 4* | 1* | - | - | - | 6 | 8 | 8 | 5 | 6 | 7 | 8 | 8 | 8 | 6 |
| W9 = 04 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 7 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 4 |
| XE1 = 06 | 6 | 2 | - | - | - | - | - | 2* | 1* | 2 | - | - | 7 | 8 | 8 | 9 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 8 |
| TI = 07 | 5 | 1 | - | - | - | - | - | - | - | 1 | - | - | 6 | 7 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 7 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 4 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 4 |
| P4 = 09 | 1 | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 |
| HC = 10 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 1 | - | - | - | 4 | - | - | - | - | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | 9 | 1* |
| CE = 12 | 1* | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 5* | 4* | 5* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | 1 | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 4* | - |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 1 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 7 | - |
| I = 15 | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 5 | 4 | 4 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 2 | 8 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 |
| UN = 17 | 1 | 6 | 1 | - | - | - | 3 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | 6 | 8 | 7 | 6 | 7 | 5 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 4 | 1 | 1 | - |
| UA0 = 19 | 1 | - | - | - | - | - | - | 1 | 6 | 7* | 7* | 6 | 6 | 6 | 7 | 8 | 8 | 7 | 4 | 1 | 4* | 2 | 4 | 6 |
| 4X = 20 | - | - | - | - | - | - | - | - | 9 | 8 | 8 | 7 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9 | 9 | 9 | 3* | - | - |
| HZ = 21 | - | - | - | - | - | - | 4 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | - |
| VU = 22 | 6 | 5 | 2 | - | - | - | 5 | 8 | 7 | 6 | 8 | 8 | 7 | 8 | 7 | 9 | 9 | 9 | 7 | 5 | 5 | 6 | 6 | 5 |
| JT = 23 | 6 | 1 | - | - | - | - | 1 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 7 | 2 | 1* | - | - |
| VR2 = 24 | 6 | 3 | - | - | - | - | 2 | 6 | 4 | 5 | 5* | 5* | 6 | 7 | 8 | 8 | 8 | 7 | 8 | 7 | 4 | 1 | 2* | 6 |
| JA1 = 25 | 2 | - | - | - | - | - | - | 6 | 5 | 8* | 8* | 7 | 6 | 7 | 7 | 8 | 8 | 5 | 1 | 1 | 2 | 3 | 8 | 6 |
| HS = 26 | 2* | 1* | - | - | - | - | 1 | 6 | 7 | 7 | 6 | 5 | 5 | 7 | 8 | 8 | 8 | 5 | - | - | - | - | - | 3* |
| DU = 27 | 2* | 2* | - | - | - | - | 1 | 5 | 6 | 5 | 8* | 5* | 3 | 7 | 7 | 4 | 1 | - | - | - | - | 1* | 3* | 4* |
| YB = 28 | 1* | - | - | - | - | - | - | 4 | 6 | 6 | 6 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | 2* |
| VK6 = 29 | - | - | - | - | - | - | - | 1 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 3* | - |
| KH6 = 31 | 1 | - | - | - | - | - | - | 1* | 6* | 9 | 7 | 6 | 1* | 1* | 1* | - | 5 | 6 | 7 | 6 | 6 | 7 | 6 | 4 |
| KH8 = 32 | 1* | - | - | - | - | - | - | 4* | 4* | 4* | 3* | 1* | - | - | - | - | - | - | 8 | 8 | 8 | 6 | 5* | 4* |
| CN = 33 | - | - | - | - | - | - | - | - | 4 | 8 | 1* | 2 | 2 | 3 | 5 | 6 | 8 | 9+ | 9+ | 9+ | 9+ | 8 | - | - |
| SU = 34 | - | - | - | - | - | - | - | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 3* | - | - |
| 6W = 35 | 1 | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| D2 = 36 | - | - | - | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 4* | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 6 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 8 | 1 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 2 | 9 | 8 | 7 | 7 | 7 | 7 | 6 | 5 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 6 | 6 | 7 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jun., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 5* | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 6 | 7 | 8 | 7 | 7 | 4 | 7 | 8 | 3 | - |
| W6 = 03 | - | - | - | - | - | - | - | - | 2* | 1* | 1* | - | - | - | 1 | 2 | 3 | 2* | - | 6 | 6 | 6 | 4 | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 8 | 8 | 1 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 3 | 4 | 5 | 5 | 5 | 6 | 8 | 9 | 6 | - |
| XE1 = 06 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 8 | 2 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 7 | 1 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 7 | 1 | 4 | - | - | 1* | 2 | 7 | 9+ | 9+ | 9 | 5 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | - | - | 1* | 4 | 9 | 9 | 9 | 9 | 6 | - |
| HC = 10 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 3 | 4 | 5 | 9 | 9 | 8 | 8 | 8 | 9 | 4 |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | 8 | - | 7 | 7 | 6 | 5 | 5 | 7 | 8 | 9+ | 8 | 6 | 9+ | 2* | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 1 | 8 | 8 | 8 | 9 | 9 | 9+ | 8 | 6 | 4* | 2* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 3 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 3* | - | - |
| G = 14 | - | - | - | - | - | - | - | - | 2 | 6 | 1 | 2 | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 9 | 8 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 6 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 6 | 9 | 9+ | 9+ | 9 | 2 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 5 | 3 | 2 | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 8 | 2 | - |
| UN = 17 | - | - | - | - | - | - | 1 | 7 | 8 | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 7 | 2 | 4* | 5* | 3* | 2* | 1* | 1* | 2 | 3 | 2 | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 1 | 2 | 7* | 5* | 4 | 4 | 5 | 5 | 2 | - | - | - | 1* | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 4 | 4 | 3 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 2 | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | - | - | - |
| VU = 22 | 1 | 1 | - | - | - | - | 1 | 7 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 1 | - | - | - | - | - |
| JT = 23 | 1 | - | - | - | - | - | - | 2 | 5 | 4 | 6* | 5* | 5* | 3 | 5 | 6 | 7 | 6 | 3 | - | - | - | - | - |
| VR2 = 24 | 1 | - | - | - | - | - | - | 5 | 5 | 5 | 8* | 5* | 6 | 7 | 8 | 7 | 3 | 1 | 2 | - | - | - | 1* | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | 1 | 1 | 4 | 8* | 7 | 6 | 5 | 5 | 3 | 1 | - | - | - | - | - | 1 | 2 |
| HS = 26 | 1* | - | - | - | - | - | - | 2 | 7 | 8 | 6 | 7 | 5 | 6 | 8 | 8 | 3 | - | - | - | - | - | - | 1* |
| DU = 27 | 1* | - | - | - | - | - | - | 1 | 6 | 5 | 8* | 5 | 6 | 8 | 5 | - | - | - | - | - | - | - | 5* | 1* |
| YB = 28 | - | - | - | - | - | - | - | 1 | 6 | 9 | 8 | 8 | 4 | 1* | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 2* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 5* | 6 | 6 | 4 | - | - | - | - | 2 | 5 | 6 | 5 | 6 | 6 | 5 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 3* | 6* | 2* | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 6* | 3* | 1* |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | 1 | 4 | 7 | 9+ | 9+ | 9 | 1 | - | - |
| SU = 34 | - | - | - | - | - | - | - | 3 | 4 | 1 | 4 | 8 | 5 | 5 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 4 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 6 | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 | 5 | 7 | 6 | 2 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 5 | 4 | 3 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jun., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 2 | 2 | - | 1 | 3 | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 2 | 2 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | 1 | 2 | 5 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | - | 1 | 6 | 8 | 8 | 4 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 1 | 5 | 8 | 9 | 6 | 6 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 3 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 5 | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 9 | 9 | 8 | 4 | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 2* | 3* | 3* | 4* | 3* | 7 | - | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | - | 1* | 1 | 2 | 2* | 8 | 1* | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 8 | 2 | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 4 | 7 | 9 | 8 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 5 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 1 | - | - |
| UN = 17 | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 5 | 4 | 3 | 3 | 5 | 6 | 6 | 5 | 4 | 1 | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | - | 1* | 3* | 3* | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - | 1 | 5 | 7 | 9 | 9 | 5 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 4 | 1 | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | 1 | 7 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 8 | 1 | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 4* | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | 5 | 8 | 6 | 7 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | 2* | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | 3 | 7 | 6 | 8 | 8 | 9 | 8 | 5 | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | 1* | - |
| YB = 28 | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 5* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | 1 | 3 | 2 | 2 | 5 | 1 | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 4* | - | - | - | - | - | - | - | - | - | - | 1 | 7* | 3* | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 1 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | 1* | 3 | 5 | 9 | 9+ | 6 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 7 | 6 | 6 | 5 | 5 | 7 | 9 | 9 | 9 | 6 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 3 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 6 | 6 | 7 | 7 | 6 | 4 | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jun., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 3 | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 1 | 4 | 2 | 1 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 4 | - | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 | 8 | 6 | 1 | - | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | - | - | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 1 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | - | 3 | 2 | 1 | 1* | 1* | 1* | 1* | 1 | 1 | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1 | 7 | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 8 | 9 | 9 | 6 | - | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 6 | 6 | 9 | 8 | 5 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 7 | 7 | 6 | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | 1 | 7 | 7 | 7 | 5 | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | 1 | 2 | 2* | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 2 | - | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | - | 2 | 5 | 4 | 3 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | 4 | 7 | 6 | 6 | 5 | 5 | 7 | 7 | 5 | 2 | - | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 2* | 2* | 2* | 1* | - | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Jul., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| W6 = 03 | - | - | - | 1 | 3 | 4 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | 4 | 5 | 5 | 6 | 4 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | 3 | 5 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 4 | 5 | 5 | 5 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 9 |
| CE = 12 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| G = 14 | 3 | 5 | 4 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 3 |
| I = 15 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 4 | 5 |
| UA3 = 16 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| UN = 17 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 3 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| HZ = 21 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 4 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 6 |
| SU = 34 | 3 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 3 | 6 | 6 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 6 | 6 |
| FR = 39 | 5 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Jul., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 |
| W6 = 03 | - | - | 2 | 4 | 6 | 7 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 7 | 8 | 8 | 9 | 7 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | 2 | 6 | 8 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| P4 = 09 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 7 | 6 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 9 | 9+ |
| CE = 12 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 7 | 8 |
| G = 14 | 6 | 8 | 7 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 6 |
| I = 15 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 8 |
| UA3 = 16 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 |
| UN = 17 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 6 | 6 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 |
| HZ = 21 | 8 | 8 | 7 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 |
| VU = 22 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 1 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 3 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 2 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 7 | 7 | 2 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 1 | - | - |
| KH6 = 31 | - | - | - | - | - | - | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 9 |
| SU = 34 | 6 | 6 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 7 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 |
| FR = 39 | 8 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Jul., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 1 | 1 | 3 | 5 | 5 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 6 | 6 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| W6 = 03 | 1 | 6 | 7 | 8 | 8 | 7 | 5 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| XE1 = 06 | 7 | 9 | 9 | 9 | 8 | 8 | 6 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| TI = 07 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 6 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | 4 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 8 | 7 | 1 | 3 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 8 | 9 |
| HC = 10 | 7 | 7 | 7 | 8 | 8 | 7 | 6 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 9 | 9 | 6 | 2 | - | - | - | - | - | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 8 | 8 | 9 | 8 | 8 | 7 | 4 | 6 | 3 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 3 | - | 6 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 6 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 8 | 1 | - | 7 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 7 | 7 | 8 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 4 | 1 | - |
| 4X = 20 | 8 | 7 | 8 | 7 | 5 | 2 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 6 | 7 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 6 | 8 | 8 | 8 |
| JT = 23 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 7 | 5 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 3 | 1 | - |
| HS = 26 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 7 | 4 |
| YB = 28 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 9 | 8 | 8 |
| VK3 = 30 | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 | 6 | 7 | 7 | 7 | 6 | 2 |
| KH6 = 31 | - | - | - | 2 | 5 | 5 | 4 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 6 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9+ | 9 | 7 | 1 | - | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 9 | 9 | 9 |
| SU = 34 | 9 | 8 | 8 | 8 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 9 | 9+ | 9 | 9 | 7 | 4 | 2 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | 1 | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | 1 | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 8 | 2 | 3 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 9 | 9 | 8 | 8 |
| FJL = 40 | 8 | 7 | 7 | 6 | 3 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Jul., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 3 | 1 | 4 | 2 | - | - | 5 | 5 | 2 | 1 | - | - | - | - | - | - | 1* | - | - | 1 | 1 | 1 | 2 |
| VO2 = 02 | 8 | 8 | 7 | 7 | 3 | - | - | 6 | 7 | 5 | 3 | 2 | 1 | - | - | - | 1 | 2 | 5 | 6 | 7 | 8 | 9 | 9 |
| W6 = 03 | 5 | 7 | 5 | 2 | 3 | - | - | 2 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 |
| W9 = 04 | 8 | 8 | 7 | 5 | 5 | 1 | - | 4 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | 1 | 1 | 3 | 5 | 6 | 7 |
| W3 = 05 | 8 | 8 | 5 | 4 | 3 | - | - | 4 | 6 | 6 | 3 | 2 | 1 | 1 | - | - | - | 1 | 1 | 4 | 5 | 7 | 8 | 8 |
| XE1 = 06 | 8 | 9 | 8 | 6 | 5 | 2 | - | - | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| TI = 07 | 8 | 8 | 6 | 4 | 5 | 2 | - | - | 6 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 |
| VP2 = 08 | 9 | 8 | 4 | - | - | - | - | - | 8 | 8 | 6 | 3 | 1 | 1 | - | 1 | 1 | 2 | 3 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 8 | 9 | 6 | 1 | 1 | - | - | - | 8 | 6 | 5 | 3 | 1 | 1 | - | - | 1 | 1 | 2 | 4 | 7 | 8 | 9 | 9 |
| HC = 10 | 7 | 7 | 6 | 6 | 6 | 5 | 2 | 1 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| PY1 = 11 | 9 | 7 | 5 | 5 | 6 | 5 | 9 | 8 | 2 | 9 | 9 | 7 | 5 | 2 | 2 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| CE = 12 | 8 | 6 | 8 | 8 | 8 | 8 | 2 | - | 1 | - | 4 | 3 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 8 |
| LU = 13 | 9 | 8 | 5 | 6 | 8 | 6 | 1 | - | 1 | 8 | 7 | 5 | 1 | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 | 9 |
| G = 14 | 8 | 2 | - | 1 | - | - | - | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 9 |
| I = 15 | 6 | 1 | - | - | - | - | 2 | 6 | 2 | 1 | - | - | - | - | - | 1 | 3 | 6 | 6 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 7 | 4 | 1 | 1 | - | - | 4 | 2 | 1 | - | - | - | - | - | - | - | 2 | 4 | 4 | 8 | 7 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 5 | 7 | 7 |
| UA0 = 19 | 2 | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 3 | 2 | 6 | 7 | 6 | 4 | 4 |
| 4X = 20 | 7 | 5 | 8 | 3 | - | - | 4 | 2 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 9 | 9 | 8 |
| HZ = 21 | 8 | 8 | 7 | 6 | 2 | 4 | 3 | 1 | - | - | - | - | - | - | - | 2 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| VU = 22 | 8 | 7 | 6 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 5 | 3 | 5 | 5 |
| VR2 = 24 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 | 7 | 7 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | 3 | 2 | 4 | 5 | 4 | 4 | 1 |
| HS = 26 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 6 | 1 | 2 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 3 | 5 | 6 | 7 | 7 | 4 | 5 | 5 |
| YB = 28 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 7 | 6 | 5 |
| VK6 = 29 | 4 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 | 5 | 2 | 4 |
| VK3 = 30 | 3 | 1 | - | - | - | - | - | 4 | 5 | 2 | - | - | - | - | - | - | 1 | 3 | 4 | 3 | 2 | 4 | 5 | 4 |
| KH6 = 31 | - | 1 | 2 | 2 | 2 | - | 1* | 1* | 7 | 6 | 1 | - | - | - | - | - | 1* | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | 1 | 4 | 6 | 6 | 2 | 2 | 7 | 5 | 2 | - | - | - | - | - | - | 1* | 2* | 2* | 1* | - | - | - |
| CN = 33 | 4 | - | - | - | - | - | - | 8 | 6 | 5 | 4 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 8 | 8 | 8 | 3 | - | - | 5 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9 | 7 | 3 | 5 | 1 | 2 | 3 | 9+ | 9+ | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9 | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ | 8 | 8 | 6 | 5 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 7 | 4 | - | - | 2 | 7 | 5 | 1 | - | - | - | - | - | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 8 |
| ZS6 = 38 | - | - | 1 | - | - | - | 3 | 8 | 7 | 4 | 1 | 1 | 1 | 1 | 2 | 6 | 8 | 8 | 9 | 8 | 4 | - | - | - |
| FR = 39 | 4 | 2 | - | 2 | 1 | 3 | 4 | 3 | 1 | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 6 | 7 | 7 | 6 | 5 |
| FJL = 40 | 8 | 6 | 3 | 3 | - | - | 2 | 3 | 2 | 1 | - | - | - | - | - | - | - | 2 | 6 | 6 | 7 | 8 | 8 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Jul., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | - | - | - | - | - | - | - | 7* | 5* | 2 | 2 | 2 | 4 | 3 | 2 | 5 | 8 | 9 | 8 | 8 | 8 | 8 | 7 |
| VO2 = 02 | 7 | 3 | - | - | - | - | - | 1 | 1* | 7 | 8 | 8 | 7 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 5 | 1 | - | - | - | - | - | 2* | 4* | 2* | 1* | - | - | 4 | 3 | 3 | 5 | 6 | 5 | 5 | 6 | 7 | 7 | 8 |
| W9 = 04 | 8 | 1 | - | - | - | - | - | 2* | 1* | 1 | - | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 6 | - | - | - | - | - | - | - | 1 | - | 7 | 8 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 8 |
| XE1 = 06 | 7 | 4 | - | - | - | - | - | 2* | 2* | 7 | - | 5 | 6 | 4 | 4 | 7 | 7 | 5 | 5 | 4 | 5 | 7 | 9 | 9 |
| TI = 07 | 5 | 2 | - | - | - | - | 1* | 1* | 1* | 5 | - | 7 | 5 | 6 | 6 | 7 | 6 | 5 | 5 | 7 | 8 | 9 | 9 | 8 |
| VP2 = 08 | 1 | - | - | - | - | - | - | - | - | 8 | 9 | 8 | 8 | 8 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 |
| P4 = 09 | 2 | - | - | - | - | - | - | - | - | 1 | 9 | 8 | 7 | 7 | 5 | - | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 |
| HC = 10 | 8 | 7 | 4 | 1 | 2 | 1 | 1* | - | 4 | - | 5 | 6 | 6 | 6 | 5 | 6 | 6 | 5 | 6 | 8 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 9+ | 9 | 8 | 8 | 9 | 8 | 3 | 2 | 7 | 8 | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 1 |
| CE = 12 | 6 | 3 | - | - | 1 | 1 | - | - | - | - | - | 1 | 7 | 5 | 3 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 8 | 8 |
| LU = 13 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 4 | 3 | 4 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9 | 1 |
| G = 14 | - | - | - | - | - | - | - | 6 | 6 | 4 | 5 | 3 | 3 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 2 |
| I = 15 | - | - | - | - | - | - | - | 9 | 2 | 7 | 6 | 6 | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 6 | - |
| UA3 = 16 | - | - | - | - | - | - | 1 | 8 | 8 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 4 |
| UN = 17 | 8 | 6 | 4 | 2 | - | - | 6 | 3 | 2 | 2 | 1 | 1 | 3 | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| UA9 = 18 | 1 | - | - | - | - | - | 1 | 4 | 3 | 4 | 2 | 4 | 4 | 4 | 5 | 6 | 5 | 7 | 9 | 9 | 8 | 6 | 7 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | 5 | 8 | 8 | 4 | 2* | 1 | 1* | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 |
| 4X = 20 | 4 | 1 | - | - | - | - | 5 | 8 | 6 | 5 | 4 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 8 |
| HZ = 21 | 5 | 6 | 2 | 3 | - | 1 | 7 | 7 | 7 | 6 | 5 | 5 | 4 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 8 | 6 | - | 1 | 5 | 2 | 1 | 1 | - | - | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 8 | 8 | 9 | 9 | 9 |
| JT = 23 | 3 | 1 | - | - | - | - | 2 | 1 | 2 | 3* | 1 | 2 | 2 | 3 | 5 | 5 | 6 | 7 | 9 | 9 | 8 | 7 | 7 | 8 |
| VR2 = 24 | 8 | 7 | 5 | 1 | - | - | 1 | - | - | 8 | 3* | 1* | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 6 | 8 |
| JA1 = 25 | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 5* | 2* | - | 1 | 2 | 6 | 8 | 7 | 4 | 3 | 7 | 8 | 8 | 4 |
| HS = 26 | 3 | 5 | 4 | 2 | - | - | 4 | 4 | 3 | 2 | 1* | - | 1 | 2 | 5 | 7 | 8 | 8 | 6 | - | - | - | 1* | 1* |
| DU = 27 | 6 | 4 | 2 | - | - | - | 1 | - | 8 | 8 | 4* | 2* | 1 | 2 | 4 | 7 | 6 | 4 | 2 | 1 | - | 1* | 1* | 8 |
| YB = 28 | - | - | - | - | - | - | 1 | 2 | 1 | 8 | 1 | 2 | 2 | 5 | 6 | 3 | 2 | 2 | 1 | 5 | 6 | - | 1* | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | 2 | 7 | 4 | 3 | 3 | 1 | - | - | - | - | 1* | 1* | 1* | - | - | 1* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 8 | 3* | 1* | - | - | - | - | - | - | - | - | - | 2* | 1* | 1* | 1* |
| KH6 = 31 | 1 | 1 | - | - | - | - | - | 5* | 4* | 9 | 8 | 6 | 1 | 1* | 2* | 1* | 5 | 9 | 8 | 5* | 1 | 1 | - | 1 |
| KH8 = 32 | 1 | - | - | - | 4 | 4 | 2* | 2* | 2* | 4* | 1* | - | - | - | - | - | - | 2 | 5 | 7* | 5* | 4 | 3 | 1* |
| CN = 33 | - | - | - | - | - | - | - | - | 9 | 8 | 9 | 6 | 4 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 1 | - |
| SU = 34 | 3 | 1 | - | - | - | - | 5 | 8 | 6 | 4 | 1 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 7 | 8 |
| 6W = 35 | - | - | - | - | - | - | - | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 |
| D2 = 36 | 4 | 4 | 5 | 5 | 5 | 5 | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 5 |
| 5Z = 37 | - | - | - | - | - | - | 5 | 9 | 8 | 6 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 4 | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | 2 | 9 | 6 | 6 | 8 | 8 | 1 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 6 | 5 | 1 | 1 | 3 | 1 | - | - |
| FJL = 40 | 1 | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 6 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Jul., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | 2* | 6* | 2* | - | - | - | - | - | - | - | 3* | 1 | 2 | 3 | 1 | - |
| VO2 = 02 | 1 | - | - | - | - | - | - | - | - | - | 7 | 8 | 6 | 2 | 5 | 9 | 8 | 8 | 1 | 7 | 9 | 9 | 6 | 4 |
| W6 = 03 | - | - | - | - | - | - | - | - | 5* | 3* | 1* | - | - | - | 5 | 6 | 1 | 7 | 6 | 7 | 8 | 7 | 7 | 1 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 4 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 6 | 5 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 8 | - |
| XE1 = 06 | - | - | - | - | - | - | - | 1* | - | - | - | - | 5 | 8 | 7 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 2 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 8 | 6 | 1 | 1 | 2 | 9 | 9 | 9+ | 9+ | 9+ | 8 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 5 | 5 | 4 | 5 | 9 | 9 | 9 | 9+ | 9+ | 9 | - |
| HC = 10 | 2 | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 6 | 5 | 6 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 6 |
| PY1 = 11 | 6 | 3 | - | - | 5 | 1 | - | - | - | - | 7 | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 9+ | 7 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 6 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 8 | 6 | 2* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 2* | - |
| G = 14 | - | - | - | - | - | - | - | - | - | 1* | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 9 | 7 | 5 | 2 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9 | 3 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 8 | 9 | 8 | 8 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 1 | - |
| UN = 17 | 1 | - | - | - | - | - | 4 | 8 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - |
| UA9 = 18 | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 4 | 3 | 3 | 3 | 6 | 7 | 6 | 6 | 3 | - | 1* | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | 2 | 6 | 5 | 7* | 6 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | 3 | - |
| 4X = 20 | - | - | - | - | - | - | - | 1 | 8 | 7 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 5 | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 5 | 9 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 2 | 1 |
| VU = 22 | 4 | 3 | 2 | 1 | - | - | 5 | 8 | 7 | 9 | 8 | 8 | 7 | 8 | 6 | 8 | 9 | 9 | 2 | 1 | - | 1 | 1 | 1 |
| JT = 23 | - | - | - | - | - | - | 1 | 7 | 8 | 7 | 7 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 6 | 2 | - | 1* | - | 1 |
| VR2 = 24 | 4 | 3 | 1 | - | - | - | 2 | 6 | 4 | 5 | 7* | 4* | 6 | 7 | 8 | 8 | 6 | 5 | 6 | 4 | 1 | - | 5* | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | 6 | 6 | 6 | 8* | 7 | 6 | 7 | 7 | 6 | 3 | - | - | - | - | 2 | 2 | - |
| HS = 26 | 1* | 1* | - | - | - | - | 3 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 8 | 7 | 1 | - | - | - | - | - | 3* |
| DU = 27 | 2* | 1* | - | - | - | - | 1 | 5 | 6 | 6 | 8* | 5* | 2 | 7 | 7 | 3 | - | - | - | - | - | - | 3* | 5 |
| YB = 28 | - | - | - | - | - | - | - | 1 | 7 | 6 | 5 | 6 | 8 | 5 | 1* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | 6 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 1* | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 1* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 6* | 8 | 6 | 4 | 1* | - | - | - | 6 | 7 | 7 | 7 | 8 | 7 | 5 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 4* | 4* | 4* | 1* | - | - | - | - | - | - | - | 5 | 8 | 8 | 7 | 1* | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | 3 | 1* | 1 | 9 | 1 | 2 | 4 | 7 | 8 | 9+ | 9+ | 9+ | 1 | - | - |
| SU = 34 | - | - | - | - | - | - | - | 9+ | 8 | 5 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 7 | 1* | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - |
| D2 = 36 | - | - | - | - | 1 | 1 | 1 | 8 | 9+ | 9+ | 9+ | 9+ | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | 5 | 9 | 9 | 8 | 8 | 3 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 6 | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 4 | 4 | 6 | 9 | 8 | 6 | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 5 | 7 | 6 | 6 | 7 | 6 | 5 | 3 | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 3 | 1 | 3 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 3 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Jul., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 6 | 6 | 6 | - | 1 | 5 | 6 | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | 3 | 4 | 5 | 5 | - | 2 | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1* | 1* | 1* | - | - | 4 | 6 | 5 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 3 | 6 | 8 | 2 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 1* | 4 | 4 | 8 | 8 | 9 | 9 | 6 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 7 | 8 | 9 | 9 | 8 | 8 | 2 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 1* | - | - | - | 4 | 9 | 9 | 8 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1* | - | 1* | 1 | 5 | 9 | 9 | 9 | 1 | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | 1 | 2 | 5 | 9 | 8 | 8 | 8 | 7 | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 5 | 3 | 1 | 5 | 7 | 7 | 6 | 5 | 2* | 7 | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 1 | 2 | 6 | 8 | 8 | 9 | 5 | 8 | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 1 | - | - |
| G = 14 | - | - | - | - | - | - | - | - | 4 | 3 | 1 | 1 | 1 | 2 | 4 | 5 | 5 | 6 | 8 | 9 | 9 | 2 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 1 | - | 1* | - | - | - | - | 1 | 3 | 6 | 9 | 9 | 5 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 4 | 4 | 4 | 2 | 2 | 1 | 1 | 1 | 2 | 5 | 8 | 8 | 8 | 2 | - | - |
| UN = 17 | - | - | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 6 | 6 | 6 | 7 | 8 | 9 | 8 | 8 | 6 | 4 | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 5 | 4 | 3* | 5* | 4* | 2* | 1* | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | 1* | 5* | 2* | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 4 | - | - | 4 | 4 | 1 | 2 | 5 | 9 | 9 | 9+ | 9+ | 8 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 1 | 5 | 4 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 9 | 7 | 8 | 9 | 9 | 9 | 5 | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | 2 | 5 | 4 | 5* | 6* | 6* | 2* | 3 | 4 | 3 | 1 | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 8* | 5* | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | 2* | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | 1 | 1 | 3 | 6* | 5 | - | 5 | 2 | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | 2 | 7 | 7 | 7 | 8 | 7 | 7 | 8 | 8 | 1 | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8* | 5 | 7 | 7 | 5 | - | - | - | - | - | - | - | 5* | 1* |
| YB = 28 | - | - | - | - | - | - | - | - | 5 | 8 | 7 | 8 | 4 | 1* | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 2* | 4 | 2 | - | - | - | - | - | 1 | 4 | 4 | 6 | 5 | 6 | 1 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 3* | 5* | 1* | - | - | - | - | - | - | - | - | - | 4 | 8 | 4 | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 8 | - | - | - | 1 | 4 | 8 | 8 | 6 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | 3 | - | - | 2 | 2 | 1 | 1 | 4 | 7 | 9 | 9+ | 9+ | 9 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 7 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 8 | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | 2 | 3* | 2 | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |

* = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Jul., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - | 1 | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | - | 3 | 7 | 6 | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | 2 | 6 | 8 | 5 | 3 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 6 | 8 | 8 | 7 | 1 | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 8 | 9 | 3* | 4* | 5* | 9 | - | - | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 8 | 1 | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 5 | 6 | 7 | 5 | 2 | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 2 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | 1 | 1 | 5 | 3 | 3* | 4* | 2* | 2* | 3 | 4 | 3 | 2 | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 2* | 2 | 6 | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 5 | 5 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 1 | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 7 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | 2* | 3* | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 7 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 7 | 7 | 6 | 8 | 4 | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | 1* | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | 2 | 3 | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 2 | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | 4* | - | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | 1 | 1 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 2* | 2* | 4 | 1 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 7 | 7 | 7 | 6 | 5 | 8 | 8 | 6 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 8 | 1 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | 1 | 4* | 2* | 3* | 2* | 2* | 2 | 2 | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Jul., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 2 | - | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 9 | 9+ | 9 | 9 | 8 | - | - | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 2 | 1 | - | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 2 | 2 | 5 | 7 | 7 | 5 | - | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 3 | 2 | 1 | 7 | 7 | 1 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 7 | 4 | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 1 | 1 | 5 | - | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 5 | 4 | 1 | 2 | 1 | - | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | - | - | - | 2 | 2 | 1 | 2 | - | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 1* | 1* | - | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |

* = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Aug., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| W6 = 03 | - | - | - | 2 | 4 | 4 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 2 | 4 | 5 | 6 | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| XE1 = 06 | - | 2 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 2 | 2 | 3 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VP2 = 08 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| P4 = 09 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 4 | 3 | 4 | 4 | 3 | 3 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 9 |
| CE = 12 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 |
| G = 14 | 4 | 4 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 4 | 4 |
| I = 15 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 |
| UA3 = 16 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| UN = 17 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| HZ = 21 | 5 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| VU = 22 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 4 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 5 | 5 |
| SU = 34 | 4 | 4 | 3 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 9 |
| FR = 39 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| FJL = 40 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Aug., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 |
| W6 = 03 | - | 1 | 2 | 5 | 7 | 7 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 |
| XE1 = 06 | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 5 | 5 | 6 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| P4 = 09 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| HC = 10 | 5 | 7 | 6 | 7 | 7 | 6 | 6 | 8 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 9+ |
| CE = 12 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 6 | 7 |
| G = 14 | 7 | 7 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 7 | 7 |
| I = 15 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 7 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 |
| UN = 17 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 6 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 6 |
| HZ = 21 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| VU = 22 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 7 | 6 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 2 | 1 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 3 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 6 | 2 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 6 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 7 | 8 | 8 |
| SU = 34 | 7 | 7 | 6 | 8 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9+ |
| FR = 39 | 8 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 |
| FJL = 40 | 5 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Aug., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | 2 | 4 | 5 | 6 | 4 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 |
| W6 = 03 | 4 | 5 | 8 | 8 | 8 | 8 | 5 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 |
| XE1 = 06 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 5 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 8 | 9 |
| HC = 10 | 8 | 8 | 8 | 8 | 9 | 8 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 6 | 9 | 8 | 6 | 2 | - | - | - | - | - | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 7 | 7 | 2 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 2 | - | 7 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 8 | 9 |
| I = 15 | 9 | 9 | 9 | 8 | 1 | - | 7 | 3 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 9 | 9 | 8 |
| UA3 = 16 | 8 | 9 | 8 | 8 | 4 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 6 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 6 | 7 | 7 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 6 | 2 | 1 |
| 4X = 20 | 8 | 8 | 8 | 8 | 1 | 2 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 7 |
| VR2 = 24 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 2 | 4 | 1 | - |
| HS = 26 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 4 |
| YB = 28 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 6 | 5 | 1 |
| KH6 = 31 | - | - | - | 2 | 6 | 7 | 5 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 5 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 7 | 1 | - | 6 | 7 | 4 | 1 | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 9 | 9 | 7 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9+ | 9 | 8 | 8 | 5 | 2 | 2 | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | 1 | - | - | - | 1 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 5 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 6 | 6 | 8 | 6 | 2 | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 8 |
| FJL = 40 | 6 | 6 | 8 | 8 | 5 | 1 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 7 | 6 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Aug., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 4 | 4 | 2 | - | - | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1* | 1 | 1 | 1 | 2 | 3 |
| VO2 = 02 | 9 | 8 | 8 | 3 | 3 | - | - | 6 | 5 | 4 | 4 | 1 | 1 | - | - | - | 1 | 1 | 4 | 6 | 7 | 8 | 9 | 9 |
| W6 = 03 | 6 | 7 | 7 | 5 | 5 | 2 | - | 2 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 |
| W9 = 04 | 8 | 8 | 8 | 7 | 7 | 3 | - | 4 | 5 | 3 | 4 | 2 | 1 | - | - | - | - | - | 1 | 1 | 3 | 5 | 6 | 8 |
| W3 = 05 | 9 | 8 | 7 | 5 | 5 | 1 | - | 3 | 5 | 5 | 5 | 2 | 1 | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | 2 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| TI = 07 | 9 | 9 | 8 | 8 | 7 | 6 | 1 | - | 7 | 5 | 4 | 1 | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 8 | 5 | 4 | - | - | - | 7 | 7 | 5 | 3 | 1 | 1 | - | - | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 8 | 8 | 7 | 2 | - | - | 6 | 6 | 5 | 2 | 1 | - | - | - | 1 | 1 | 2 | 5 | 7 | 8 | 9 | 9 |
| HC = 10 | 8 | 8 | 8 | 7 | 7 | 6 | 2 | 1 | 5 | 4 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 |
| PY1 = 11 | 9 | 8 | 5 | 5 | 7 | 4 | 8 | 7 | 3 | 9 | 8 | 6 | 4 | 2 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 8 | 8 | 8 | 8 | 8 | 7 | 1 | - | - | 1 | 5 | 2 | 1 | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 8 | 6 | 8 | 5 | - | - | 1 | 8 | 7 | 3 | 1 | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 5 | 1 | 1 | - | - | - | 6 | 3 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 9 |
| I = 15 | 9 | 6 | 2 | 1 | - | - | 2 | 7 | 2 | 1 | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 7 | 5 | 4 | - | - | 4 | 2 | - | - | - | - | - | - | - | 1 | 1 | 3 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 6 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 8 | 8 | 7 |
| UA0 = 19 | 3 | 1 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 6 | 6 | 5 |
| 4X = 20 | 8 | 9 | 8 | 7 | - | 1 | 5 | 3 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 8 |
| HZ = 21 | 8 | 8 | 6 | 7 | 3 | 3 | 3 | 1 | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 9 | 8 | 8 | 8 | 8 |
| VU = 22 | 8 | 8 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 8 | 8 | 7 | 7 |
| VR2 = 24 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 8 | 7 | 6 |
| JA1 = 25 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | - | - | 1 | 6 | 6 | 6 | 7 | 5 | 4 | 2 |
| HS = 26 | 6 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 2 | 1 |
| DU = 27 | 4 | 1 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 7 | 7 | 4 | 3 | 5 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 | 8 | 8 | 6 | 5 |
| VK6 = 29 | 5 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 7 | 6 | 5 | 5 |
| VK3 = 30 | 3 | 1 | - | - | - | - | 1 | 5 | 2 | 1 | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 6 | 6 | 5 |
| KH6 = 31 | - | - | 4 | 5 | 5 | 3 | 1* | 1 | 5 | 6 | 2 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | 1 | 4 | 6 | 6 | 2 | 2 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 2* | 2* | 1* | - | - | - |
| CN = 33 | 9 | 1 | - | - | - | - | - | 8 | 7 | 5 | 4 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 4 | - | 1 | 5 | 4 | 1 | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9 | 9 | 5 | 2 | 4 | 9+ | 9+ | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9+ | 9 | 8 | 6 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 2 | - | - | 2 | 7 | 5 | 1 | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 8 |
| ZS6 = 38 | 1 | 2 | 2 | 1 | - | - | 5 | 8 | 6 | 3 | 1 | 1 | 1 | 1 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 7 | 3 | 4 |
| FR = 39 | 6 | 3 | 1 | 3 | 3 | 4 | 5 | 2 | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 7 | 7 | 7 | 5 | 6 |
| FJL = 40 | 8 | 7 | 5 | 4 | - | - | 3 | 4 | 2 | 1 | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 7 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Aug., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 1 | - | - | - | - | - | - | 5* | 4* | 2* | 1* | - | 1 | 1 | 2 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 9 | 5 | 1 | - | - | - | - | 1 | - | 4 | 8 | 8 | 6 | 5 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 |
| W6 = 03 | 8 | 4 | - | - | - | - | - | 3* | 2* | 2* | 1* | - | - | 3 | 3 | 1 | 2 | 4 | 5 | 5 | 6 | 7 | 8 | 8 |
| W9 = 04 | 9 | 6 | 2 | - | 1 | - | - | 1* | - | - | - | 7 | 6 | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 8 | 4 | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 |
| XE1 = 06 | 9 | 9 | 7 | 4 | 4 | - | 1* | 1* | 3 | 6 | - | 4 | 6 | 4 | 5 | 6 | 6 | 5 | 4 | 5 | 6 | 8 | 9 | 9 |
| TI = 07 | 9 | 8 | 7 | 4 | 4 | - | 1* | - | - | 4 | - | 7 | 5 | 6 | 6 | 6 | 6 | 4 | 5 | 7 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 8 | 3 | - | - | - | - | - | - | 1 | 8 | 9 | 8 | 7 | 8 | 6 | 6 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 6 | 2 | - | - | - | 1* | - | - | 1 | 8 | 8 | 7 | 6 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 8 | 8 | 7 | 3 | 3 | 1* | - | 1 | - | 8 | 8 | 5 | 5 | 4 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 8 | 9 | 8 | - | - | 8 | 9+ | 9+ | 9+ | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 1 |
| CE = 12 | 7 | 5 | 1 | - | 3 | 1 | - | - | - | - | 2 | 8 | 7 | 5 | 4 | 2 | 3 | 4 | 8 | 9 | 9 | 9+ | 9 | 9 |
| LU = 13 | 2 | 1 | - | - | - | - | - | - | - | 1 | 9 | 9 | 8 | 5 | 4 | 4 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9 | 5 |
| G = 14 | 1 | - | - | - | - | - | - | 9 | 1 | 5 | 2 | 3 | 2 | 3 | 4 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| I = 15 | - | - | - | - | - | - | - | 9 | 8 | 6 | 6 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 5 | 1 |
| UA3 = 16 | 4 | - | - | - | - | - | 1 | 8 | 7 | 7 | 5 | 6 | 5 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 6 |
| UN = 17 | 4 | 8 | 8 | 5 | - | - | 5 | 4 | 2 | 1 | 1 | 1 | 1 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 |
| UA9 = 18 | 1 | 2 | 1 | - | - | - | 2 | 5 | 4 | 5 | 1 | 1 | 2 | 3 | 5 | 6 | 8 | 7 | 9 | 9 | 8 | 4 | 1 | 1 |
| UA0 = 19 | 5 | - | - | - | - | - | 1 | 5 | 6 | 8 | 4* | 2* | 1* | - | 2 | 4 | 6 | 2 | - | 1 | 5* | 5 | 8 | 8 |
| 4X = 20 | 5 | 5 | 3 | 1 | - | - | 6 | 8 | 6 | 5 | 3 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 5 | 4 |
| HZ = 21 | 3 | 5 | 2 | 5 | - | - | 7 | 7 | 6 | 4 | 2 | 2 | 2 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VU = 22 | 7 | 7 | 9 | 7 | - | 1 | 5 | 2 | 1 | - | - | - | 1 | 2 | 5 | 5 | 8 | 9 | 8 | 5 | 4 | 5 | 7 | 7 |
| JT = 23 | 8 | 6 | 4 | 1 | - | - | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | 3 | 5 | 7 | 8 | 9 | 8 | 3 | 1 | 1 | 4 |
| VR2 = 24 | 8 | 7 | 5 | 1 | - | - | 1 | - | - | 2* | 2* | 1* | 1 | 1 | 3 | 7 | 8 | 8 | 9 | 9 | 9 | 6 | 2 | 8 |
| JA1 = 25 | 5 | 1 | - | - | - | - | 1 | 6 | 6 | 8 | 5* | 1 | 1 | 1 | 2 | 5 | 6 | 2 | - | - | 5* | 8 | 8 | 7 |
| HS = 26 | 4 | 7 | 2 | 1 | - | - | 4 | 3 | 2 | 1* | 1* | - | 2 | 1 | 5 | 7 | 8 | 9 | 8 | 4 | 1 | - | 1* | 1* |
| DU = 27 | 7 | 5 | 2 | - | - | - | 1 | - | 7 | 5* | 3* | 2* | 1 | 2 | 4 | 8 | 7 | 6 | 5 | 6 | 2 | 1* | 1* | 8 |
| YB = 28 | 1* | 1* | - | - | - | - | 1 | 3 | 1 | 2* | 2* | 1 | 2 | 4 | 6 | 5 | 4 | 4 | 2 | 2 | 4 | 3 | 1* | 1* |
| VK6 = 29 | 1* | - | - | 1 | - | - | - | 3 | 8 | 8 | 2 | 2 | 1 | - | - | - | - | 1* | 1* | 1 | - | - | 1* | 1* |
| VK3 = 30 | 1 | 1 | - | 1 | - | - | - | 1 | 8 | 3 | 2* | - | - | - | - | - | 1* | - | 1 | - | 2* | 2 | 4 | 2 |
| KH6 = 31 | 4 | 5 | 2 | - | 1 | - | - | 3* | 4 | 8 | 7 | 6 | 1 | - | 1* | 1* | 3 | 8 | 8 | 5* | 3* | 1 | 1 | 1 |
| KH8 = 32 | 1 | 1 | 1* | 1* | 5 | 2 | 2* | 2* | 4 | 5 | 1 | - | - | 1* | 1* | 1* | - | 5 | 5 | 7* | 5* | 3* | 2 | 1 |
| CN = 33 | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 1 |
| SU = 34 | 3 | 2 | 1 | - | - | - | 6 | 8 | 6 | 5 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9 | 9+ | 9 | 5 | 2 |
| 6W = 35 | 9 | 2 | - | 3 | - | - | 1 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 6 | 4 | 4 | 5 | 4 | 4 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 |
| 5Z = 37 | - | - | - | 1* | 1* | - | 6 | 9 | 8 | 6 | 3 | 3 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | 1 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | 5 | 6 | 6 | 8 | 8 | 9 | 3 | 7 | 9 | 9 | 9+ | 8 | 5 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 4 | 7 | 6 | 6 | 4 | 5 | 5 | 5 | 7 | 8 | 7 | 7 | 5 | 4 | 3 | 2 | - | 1 |
| FJL = 40 | - | - | - | - | - | - | - | 8 | 8 | 7 | 5 | 5 | 5 | 5 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 6 | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Aug., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | 3* | 5* | 1* | - | - | - | - | - | - | - | 1* | 2* | 1* | - | - | - |
| VO2 = 02 | 5 | - | - | - | - | - | - | - | - | - | 2 | 8 | 7 | 6 | 5 | 9 | 8 | 9 | 5 | 7 | 8 | 9 | 9 | 8 |
| W6 = 03 | 2 | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - | 5 | 8 | 6 | 5* | 6 | 8 | 8 | 6 | 8 | 7 |
| W9 = 04 | 5 | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 8 |
| W3 = 05 | 1 | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 7 | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 7 |
| XE1 = 06 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 7 | 7 | 8 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 4 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 5 |
| P4 = 09 | 1 | - | - | - | - | - | - | - | - | - | 5 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 6 |
| HC = 10 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| PY1 = 11 | 8 | 5 | 1 | - | 5 | 1 | - | - | - | - | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 8 |
| CE = 12 | 1* | - | - | - | - | - | - | - | - | - | - | 5 | 1 | 7 | 7 | 7 | 7 | 8 | 9 | 9+ | 9+ | 9 | 6 | 5* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | 4 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 4* | 1* |
| G = 14 | - | - | - | - | - | - | - | - | 9 | 1* | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 2 | - |
| I = 15 | - | - | - | - | - | - | - | - | 9 | 8 | 7 | 8 | 4 | 4 | 5 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 2 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 1 | - |
| UN = 17 | - | 1 | 2 | - | - | - | 5 | 8 | 7 | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 1 | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | 7 | 8 | 5 | 6 | 5 | 5 | 3 | 5 | 6 | 7 | 6 | 4 | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | 7 | 7 | 8* | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | 1* | - | 2 |
| 4X = 20 | - | - | - | - | - | - | 1 | 1 | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 5 | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 6 | 5 | 1 | - | - |
| VU = 22 | 1 | 1 | 4 | 1 | - | - | 6 | 8 | 7 | 8 | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 8 | 1* | - | - | - | - | - |
| JT = 23 | 3 | - | - | - | - | - | 1 | 7 | 7 | 6 | 5 | 5 | 7 | 6 | 7 | 8 | 8 | 7 | 3 | - | - | - | - | - |
| VR2 = 24 | 7 | 3 | 1 | - | - | - | 3 | 4 | 4 | 6* | 6* | 5* | 6 | 7 | 8 | 8 | 5 | 3 | 4 | 4 | 2 | - | 2* | 4 |
| JA1 = 25 | - | - | - | - | - | - | - | 7 | 6 | 8* | 7 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | 3* | 6 | 6 |
| HS = 26 | 3* | 2* | 1* | - | - | - | 4 | 7 | 7 | 7 | 6 | 5 | 5 | 7 | 8 | 8 | 8 | 5 | - | - | - | - | - | 2* |
| DU = 27 | 3* | 2* | 1* | - | - | - | 2 | 6 | 6 | 7* | 7* | 5* | 4 | 7 | 8 | 6 | - | - | - | - | - | - | 4* | 4 |
| YB = 28 | 1* | - | - | - | - | - | - | 4 | 5 | 6 | 5 | 6 | 7 | 7 | 2* | - | - | - | - | - | - | - | - | 2* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 6 | 6* | 4* | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 6* | 3* | - | - | - | - | - | - | - | - | - | - | - | 4* | 3* | 1* |
| KH6 = 31 | 1 | - | - | - | - | - | - | 1* | 6* | 6 | 4 | 2 | - | - | - | - | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 4 |
| KH8 = 32 | 1* | - | - | - | - | - | 1* | 4* | 4* | 4* | 4* | 2* | 1* | - | - | - | - | - | 7 | 8* | 8* | 6 | 5* | 2* |
| CN = 33 | - | - | - | - | - | - | - | - | 5 | 6 | - | 2 | 9 | 2 | 4 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | - | - |
| SU = 34 | - | - | - | - | - | - | 1 | 9+ | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| D2 = 36 | - | - | - | - | - | - | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 6 | 6 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 1 | 6 | 7 | 8 | 7 | 7 | 6 | 5 | 4 | 1 | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 4 | 4 | 6 | 5 | 5 | 5 | 5 | 6 | 5 | 4 | 4 | 5 | 3 | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Aug., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | 6 | 7 | 5 | - | 1 | 5 | 6 | 6 | 2 |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2* | 5 | 5 | 5 | - | 3 | 1 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 2 | 2 | 4 | 5 | 5 | 5 | 6 | 8 | 2 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | - | 1 | 1 | 4 | 5 | 6 | 7 | 7 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 2 |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 7 | 1 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 3 | 1* | - | - | 4 | 9 | 9+ | 9+ | 9+ | 7 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 3 | 1* | - | - | 4 | 9 | 9+ | 9+ | 9+ | 8 | - |
| HC = 10 | 3 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 4 | 3 | 4 | 6 | 9 | 9 | 9 | 8 | 9 | 8 | 5 |
| PY1 = 11 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 6 | 7 | 9+ | 9+ | 9+ | 9+ | 7 | 3* | 8 | 1* |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 5 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 4* | 1* |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 4* | 1* | - |
| G = 14 | - | - | - | - | - | - | - | - | 1 | 4 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 7 | 9 | 9 | 9 | 4 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 2 | 1* | 1 | 2 | - | - | 1 | 1 | 5 | 8 | 9+ | 9+ | 6 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 5 | 5 | 5 | 4 | 2 | 2 | 1 | 1 | 1 | 6 | 8 | 8 | 7 | 1 | - | - |
| UN = 17 | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 6 | 7 | 6 | 7 | 8 | 9 | 8 | 8 | 4 | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | 1 | 6 | 1 | 5* | 4* | 2* | 1* | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 2 | 4* | 4* | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | 6 | 1 | 1 | 5 | 8 | 8 | 5 | 6 | 6 | 7 | 9 | 9+ | 9 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | 4 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 1 | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | 4 | 5 | 4 | 6* | 5* | 2* | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - |
| VR2 = 24 | 1 | - | - | - | - | - | 1 | 6 | 6 | 5 | 7* | 5 | 6 | 8 | 7 | 4 | - | - | - | - | - | - | 4* | 1* |
| JA1 = 25 | - | - | - | - | - | - | - | 1 | 2 | 5* | 6 | 6 | 5 | 3 | - | - | - | - | - | - | - | 1* | - | 1 |
| HS = 26 | 1* | 1* | - | - | - | - | - | 5 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | 2* |
| DU = 27 | 3* | 1* | - | - | - | - | - | 4 | 6 | 5 | 7* | 5 | 5 | 8 | 6 | - | - | - | - | - | - | - | 4* | 2* |
| YB = 28 | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 7 | 2 | 1* | - | - | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | - | - | - | - | - | - | - | 1 | 4* | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | 4* | 1 | 1 | - | - | - | - | - | 1 | 4 | 4 | 4 | 4 | 6 | 6 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 4* | 6* | 4* | 1* | - | - | - | - | - | - | - | - | 7 | 8 | 6* | 2* | 1* |
| CN = 33 | - | - | - | - | - | - | - | - | - | 1* | - | - | 8 | - | - | 1 | 5 | 8 | 9+ | 9+ | 9 | 1 | - | - |
| SU = 34 | - | - | - | - | - | - | - | 5 | 1 | - | 3 | 8 | 5 | 4 | 4 | 5 | 5 | 8 | 9+ | 9 | 1 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | 1 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | - |
| D2 = 36 | - | - | - | - | - | - | - | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | 1 | 1 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Aug., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - | 1 | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 5 | 2 | 6 | 8 | 8 | 5 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 1 | 5 | 7 | 8 | 6 | 6 | 1 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 5 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 6 | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 9 | 9 | 9 | 5 | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 1* | 2* | 1 | 3* | 4* | 4* | 9 | - | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 2 | 8 | 8 | 2* | 9 | 1 | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 9 | 9 | 9+ | 9+ | 5 | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 3 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 1 | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | 2 | 3 | 5 | 4 | 2 | 2 | 2* | 2 | 3 | 4 | 4 | 1 | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | 1* | 3* | 1* | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1* | 1* | 1* | 1* | 5 | 2 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 5 | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | 2* | 4* | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 6 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | 2* | - |
| YB = 28 | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 4* | 3* | 1* | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 1 | - |
| KH8 = 32 | - | - | - | - | - | - | - | 1* | 5* | - | - | - | - | - | - | - | - | - | - | - | 6* | 2* | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - | 2 | 6 | 6 | 2 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 1* | 3 | 6 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 7 | 6 | 6 | 6 | 5 | 4 | 4 | 8 | 8 | 8 | 5 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 4* | 2 | 4 | 2 | 5* | 4 | 4 | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Aug., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 4 | 4 | - | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 3 | 1 | 1 | - | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | - | - |
| PY1 = 11 | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9+ | 9 | 8 | 9 | 9+ | 9 | 4 | - | - |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 8 | 3 | - | - | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 5 | 1 | - | - | - | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | - | 1 | - | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | - | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 6 | 5 | 4 | 4 | 8 | 1 | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 8 | 5 | - | - | - | - | - | - | - | - | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 4 | 3 | 7 | 1 | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 5 | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 1 | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | - | - | 2 | 2 | 2 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | 2 | 5 | 4 | 2 | 2 | 2 | 5 | 5 | 3 | 5 | 1 | - | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 2* | 2* | 2* | 1* | - | - | - | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |

* = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Sep., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| W6 = 03 | - | - | - | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 3 | 5 | 5 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W3 = 05 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| XE1 = 06 | - | 2 | 4 | 5 | 5 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 1 | 4 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| P4 = 09 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| HC = 10 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 9 | 9 |
| CE = 12 | 4 | 3 | 3 | 3 | 5 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| LU = 13 | 6 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 |
| G = 14 | 4 | 4 | 5 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 4 |
| I = 15 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 5 | 5 |
| UA3 = 16 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| UN = 17 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 4 |
| UA9 = 18 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 4 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| HZ = 21 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 5 |
| VU = 22 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 5 | 5 |
| SU = 34 | 4 | 4 | 4 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 6 | 5 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 9 | 9 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 | 6 |
| FR = 39 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 6 |
| FJL = 40 | 5 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Sep., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | 1 | 1 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| W6 = 03 | - | 1 | 3 | 6 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 6 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 |
| XE1 = 06 | 3 | 5 | 7 | 8 | 8 | 8 | 8 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 |
| P4 = 09 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| HC = 10 | 5 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 2 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ |
| CE = 12 | 7 | 6 | 6 | 6 | 8 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 |
| LU = 13 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 |
| G = 14 | 7 | 7 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 6 | 7 |
| I = 15 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 7 | 8 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 |
| UN = 17 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 7 |
| UA9 = 18 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 6 | 5 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| 4X = 20 | 6 | 6 | 7 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 6 | 6 |
| HZ = 21 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 7 | 8 | 8 |
| VU = 22 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 6 | 2 | 1 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | - | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 8 | 8 |
| SU = 34 | 7 | 7 | 7 | 8 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 | 7 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 9 | 8 | 9 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| FR = 39 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 |
| FJL = 40 | 8 | 7 | 7 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Sep., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | 5 | 5 | 6 | 6 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 9 |
| W6 = 03 | 5 | 6 | 7 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W9 = 04 | 7 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| TI = 07 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 8 | 8 | 9 |
| HC = 10 | 8 | 7 | 7 | 7 | 9 | 8 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | 3 | 7 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| LU = 13 | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | 1 | 4 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 1 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 8 | 1 | 6 | 3 | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 9 | 9 | 8 |
| UN = 17 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 7 | 7 | 8 |
| UA0 = 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 5 | 1 |
| 4X = 20 | 9 | 9 | 8 | 7 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| HZ = 21 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 5 | 5 | 5 |
| VR2 = 24 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 7 | 2 | 1 |
| HS = 26 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 6 | 6 | 4 |
| YB = 28 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 6 | 2 | 1 |
| KH6 = 31 | - | - | - | 2 | 7 | 8 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 5 | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | - | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 3 | 6 | 7 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 9 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9 | 8 | 6 | 4 | 1 | 1 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | 1 | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 8 | 8 | 6 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 9 | 9 | 8 |
| FJL = 40 | 9 | 8 | 8 | 7 | 8 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 7 | 7 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Sep., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 7 | 6 | 6 | 7 | 2 | 2 | 5 | 4 | 2 | 1 | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 3 | 4 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 7 | 2 | 1 | 5 | 1 | 5 | 3 | 1 | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 | 9 |
| W6 = 03 | 7 | 7 | 8 | 8 | 7 | 6 | 1 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 |
| W9 = 04 | 8 | 8 | 9 | 8 | 8 | 7 | 1 | 6 | 7 | 3 | 4 | 1 | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 | 8 |
| W3 = 05 | 9 | 9 | 8 | 8 | 8 | 5 | 1 | 5 | 5 | 5 | 4 | 2 | 1 | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 3 | 4 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| TI = 07 | 8 | 9 | 8 | 8 | 8 | 7 | 2 | 2 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | 4 | 8 | 6 | 3 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 8 | 8 | 5 | - | - | 1 | 8 | 6 | 2 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 5 | 4 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 8 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | 2 | 1 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 8 | 9 | 9 | 9 | 7 | 6 | 7 | 6 | 5 | 2 | 1 | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 5 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 9 | 9 |
| G = 14 | 8 | 8 | 9 | 8 | 1 | - | 2 | 6 | 4 | 1 | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 8 | 8 | 8 | 5 | - | - | 5 | 7 | 3 | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 9 | 9 | 8 |
| UA3 = 16 | 8 | 8 | 7 | 7 | 2 | - | 5 | 3 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 6 | 7 | 4 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 8 | 7 | 6 | 5 |
| UA0 = 19 | 2 | 1 | 1 | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 6 | 6 | 6 | 6 |
| 4X = 20 | 8 | 8 | 8 | 3 | 4 | 2 | 5 | 3 | 1 | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| HZ = 21 | 9 | 8 | 5 | 6 | 6 | 4 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 6 | 8 | 7 | 6 | 6 |
| VR2 = 24 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 7 | 6 | 5 | 6 |
| JA1 = 25 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 | 6 | 5 | 2 |
| HS = 26 | 6 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 8 | 8 | 3 | 1 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 7 | 3 | 1 | 5 |
| YB = 28 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 7 | 7 | 5 | 6 |
| VK6 = 29 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 | 7 | 4 | 5 |
| VK3 = 30 | 1 | - | - | - | - | - | 1 | 3 | 1 | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 6 | 6 | 6 | 5 |
| KH6 = 31 | - | 1 | 5 | 7 | 7 | 6 | 1 | 4 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | 1 | 4 | 6 | 7 | 6 | 6 | 7 | 4 | 2 | - | - | - | - | - | - | 2* | 2* | 1* | 1* | - | - | - |
| CN = 33 | 9 | 9 | 9 | 8 | - | - | 1 | 8 | 6 | 5 | 2 | 1 | - | - | - | 1 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 8 | 8 | 4 | 3 | 1 | 5 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 8 | 1 | 4 | 9+ | 9 | 9 | 9 | 8 | 7 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 8 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 8 | 4 | 1 | 5 | 7 | 8 | 5 | 1 | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 5 | 4 | 4 | 1 | 1 | 1 | 8 | 8 | 6 | 3 | 1 | 1 | 1 | 1 | 3 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| FR = 39 | 5 | 1 | - | 4 | 5 | 6 | 4 | 2 | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 7 |
| FJL = 40 | 4 | 1 | - | - | 5 | - | 5 | 5 | 2 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 | 8 | 8 | 6 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Sep., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 8 | 8 | 5 | - | - | 1* | 4* | 1* | - | - | - | - | - | 1 | 2 | 5 | 5 | 6 | 7 | 7 | 8 | 8 |
| VO2 = 02 | 9 | 8 | 8 | 8 | 5 | - | - | - | - | 1 | 8 | 6 | 6 | 5 | 5 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| W6 = 03 | 9 | 9 | 9 | 6 | 2 | 1 | 1* | 1* | 2 | - | - | - | - | 2 | 1 | 1 | 1 | 1 | 2 | 3 | 4 | 6 | 7 | 8 |
| W9 = 04 | 9 | 9 | 8 | 5 | 4 | 1 | 1* | - | 1 | - | - | 7 | 6 | 4 | 5 | 5 | 3 | 5 | 7 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 9 | 8 | 7 | 6 | 7 | - | - | 1 | - | - | 6 | 7 | 5 | 5 | 5 | 5 | 6 | 6 | 8 | 8 | 9 | 9 | 9 | 9+ |
| XE1 = 06 | 9 | 9 | 9 | 8 | 8 | 4 | - | - | 8 | 7 | - | 5 | 5 | 3 | 2 | 4 | 2 | 1 | 3 | 5 | 7 | 8 | 9 | 9 |
| TI = 07 | 9 | 9 | 9 | 9 | 8 | 3 | - | - | 3 | 1 | - | 8 | 6 | 6 | 4 | 4 | 4 | 5 | 5 | 7 | 8 | 9 | 9+ | 9 |
| VP2 = 08 | 9+ | 9+ | 9 | 7 | 4 | - | 1* | - | - | 7 | 9 | 9 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9 | 8 | 5 | - | 1* | 1* | - | - | 9 | 8 | 8 | 5 | 5 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9 | 9 | 8 | 9 | 6 | 2* | 1* | 2 | - | 7 | 7 | 5 | 5 | 4 | 2 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 9+ | 7 | 9+ | 9+ | 9+ | 9 | 7 | 6 | - | 9+ | 9+ | 9+ | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9+ | 7 | 4 | 7 | 6 | 1 | - | - | 1 | 8 | 8 | 7 | 5 | 2 | 2 | 2 | 4 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 8 | - | - | 4 | 3 | - | - | - | 9 | 9 | 9 | 8 | 5 | 4 | 4 | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 1 | 1 | 2 | 1 | - | - | - | 7 | 8 | 8 | 4 | 2 | 2 | 2 | 2 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 2 |
| I = 15 | - | 1 | 1 | - | - | - | - | 9 | 9 | 7 | 6 | 3 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 4 | 1 |
| UA3 = 16 | 1 | 1 | 1 | - | - | - | 2 | 8 | 7 | 7 | 4 | 4 | 3 | 3 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 4 |
| UN = 17 | 5 | 7 | 9 | 8 | 1 | - | 6 | 4 | 2 | 1 | 1 | 2 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 8 | 8 | 8 | 7 |
| UA9 = 18 | - | - | 6 | 7 | - | - | 2 | 5 | 3 | 4 | 1 | 1 | 1 | 2 | 3 | 5 | 8 | 8 | 8 | 8 | 5 | 1 | 1* | 1* |
| UA0 = 19 | 8 | 8 | 7 | 5 | - | - | 2 | 4 | 5* | 8 | 2* | 1* | 1 | 1 | 1 | - | - | - | - | 1* | 2* | 2 | 6 | 8 |
| 4X = 20 | 9 | 6 | 1 | - | - | - | 8 | 8 | 6 | 5 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9 |
| HZ = 21 | 8 | 6 | 1 | 4 | 4 | 2 | 7 | 7 | 5 | 2 | 2 | 1 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VU = 22 | 5 | 6 | 9 | 8 | 4 | 3 | 5 | 2 | 1 | - | - | 2 | 2 | 3 | 5 | 5 | 8 | 5 | - | - | 1 | 5 | 7 | 5 |
| JT = 23 | 3 | 8 | 8 | 6 | - | - | 2 | 2 | 2* | 3 | 1 | 1 | 1 | 2 | 4 | 5 | 7 | 8 | 7 | 6 | 4 | 1 | 1* | 1* |
| VR2 = 24 | 8 | 7 | 7 | 4 | 1 | - | 1 | 1 | 1* | 4* | 2* | 1* | 1 | 2 | 3 | 5 | 5 | 5 | 7 | 8 | 7 | 2 | 1* | 4 |
| JA1 = 25 | 6 | 4 | 4 | 2 | - | - | 1 | 5 | 6* | 6* | 4* | 1* | 1 | 1 | 3 | 3 | 6 | 5 | 3 | 1 | 2* | 5 | 8 | 7 |
| HS = 26 | 5 | 8 | 7 | 5 | 1 | 1 | 2 | 2 | 1 | 2 | 1* | - | 1 | 4 | 5 | 5 | 7 | 9 | 9 | 9 | 9 | 5 | 1* | 1* |
| DU = 27 | 8 | 8 | 5 | 2 | - | - | - | 1 | 7 | 5* | 3* | 2* | 1 | 2 | 4 | 6 | 8 | 8 | 9 | 8 | 5 | 1* | 1* | 8 |
| YB = 28 | 4 | 1 | - | 1 | - | - | 2 | 2 | 1 | 1 | 2* | 2 | 2 | 5 | 6 | 7 | 8 | 8 | 4 | 1 | - | - | 1* | 1 |
| VK6 = 29 | 1 | - | - | 1 | - | - | 1 | 5 | 8 | 3 | 2 | 2 | 2 | - | - | - | - | 1* | 1* | 3 | 3 | - | 1* | 1* |
| VK3 = 30 | 2 | - | - | - | - | - | - | 3 | 6 | 5 | 2* | 1* | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 |
| KH6 = 31 | 6 | 8 | 8 | 8 | 7 | 2 | 1* | 3* | 7 | 5 | 4 | 2 | - | - | 1* | - | 1 | 8 | 8 | 6* | 4* | 1 | 1 | 3 |
| KH8 = 32 | 4 | 5 | 1 | 2* | 6 | 6 | 4* | 5 | 9 | 8 | 6 | 4 | 1 | - | 1* | 1* | - | 6 | 6* | 6* | 5* | 3* | 2 | 2 |
| CN = 33 | 7 | 3 | 1 | 1 | - | - | - | 9 | 9 | 9 | 8 | 7 | 6 | 5 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| SU = 34 | 9 | 9 | 3 | - | - | - | 8 | 9 | 6 | 6 | 4 | 3 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 2 | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9 | 8 | 9 | 5 | 5 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | 1* | 1* | 1* | 1 | 9 | 9 | 8 | 6 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 |
| ZS6 = 38 | - | - | - | - | 1* | - | 1 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 7 | 5 | 4 | 2 | - |
| FR = 39 | - | - | 1* | 1* | 1 | 3 | 5 | 8 | 6 | 5 | 4 | 3 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | 1 | 1 |
| FJL = 40 | - | - | - | - | - | - | 1 | 6 | 6 | 6 | 5 | 3 | 2 | 2 | 3 | 5 | 8 | 8 | 9 | 8 | 7 | 4 | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Sep., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 5 | 4 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 2* | 4 | 3 | 5 |
| VO2 = 02 | 5 | 1 | 1 | 1 | - | - | - | - | - | - | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| W6 = 03 | 9 | 9 | 5 | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 6 | 6 | 7 | 8 | 8 | 8 | 9 |
| W9 = 04 | 9 | 8 | 1 | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ |
| W3 = 05 | 8 | 1 | - | - | 1 | - | - | - | - | - | - | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 5 | - | 4 | - | - | - | 4 | 1 | - | - | 7 | 8 | 8 | 9 | 8 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 7 | 2 | 3 | - | - | - | - | - | - | 5 | 8 | 7 | 8 | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 |
| VP2 = 08 | 6 | 3 | 1 | - | - | - | - | - | - | - | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 9 | 4 | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 6 | 5 | 1 | 2* | 1* | - | - | - | 7 | 7 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 3 | 9+ | 7 | 3 | 9 | 6 | 3* | - | 6 | 5 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| CE = 12 | 9 | 5 | - | - | 1 | - | - | - | - | - | 6 | 9 | 9 | 8 | 7 | 7 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 6 | - | - | - | - | - | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| G = 14 | - | - | - | - | - | - | - | 2 | 1 | 2 | 7 | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 5 | 6 | - | - |
| I = 15 | - | - | - | - | - | - | - | 7 | 9+ | 9 | 8 | 4 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 4 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2 | - | - |
| UN = 17 | 1* | 1 | 6 | 7 | - | - | 5 | 8 | 7 | 7 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | 1 | 1 |
| UA9 = 18 | - | - | - | 2 | - | - | - | 8 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 5 | 2 | 6 | 3 | 1 | - | - | - | 1* |
| UA0 = 19 | 7 | 8 | 5 | 2 | - | - | - | 8 | 7 | 7 | 7 | 6 | 4 | - | - | - | - | - | - | - | 1* | 5* | 2* | 3 |
| 4X = 20 | - | - | - | - | - | - | 2 | 9 | 8 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 |
| HZ = 21 | - | 1 | 1* | - | 1* | - | 6 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 | 5 | 2 |
| VU = 22 | 2* | 2* | 8 | 8 | 1 | - | 6 | 8 | 7 | 4 | 7 | 8 | 7 | 8 | 9 | 8 | 9 | - | - | - | - | - | - | - |
| JT = 23 | - | 2 | 8 | 4 | - | - | 1 | 8 | 6 | 5 | 6 | 6 | 7 | 7 | 7 | 6 | 5 | 3 | 1 | - | - | - | 2* | 1* |
| VR2 = 24 | 8 | 8 | 6 | 4 | 1* | - | 4 | 4 | 3 | 7* | 6 | 5 | 6 | 7 | 8 | 5 | 1 | - | 1 | 1 | - | - | 2* | 4* |
| JA1 = 25 | 9 | 6 | 4 | 1 | - | - | 1 | 7 | 5 | 8* | 6 | 5 | 5 | 3 | 2 | - | 1 | - | - | - | 1* | 5* | 5 | 8 |
| HS = 26 | 2* | 5 | 3* | 1 | 1* | - | 5 | 7 | 6 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 4 | - | - | 2* |
| DU = 27 | 7 | 5 | 3* | 1 | 1* | 1* | 3 | 5 | 4 | 8* | 7* | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 5 | 3 | - | - | 4* | 4 |
| YB = 28 | 2* | 2* | 2* | - | - | - | 1 | 5 | 5 | 7 | 5 | 6 | 7 | 8 | 7 | 5 | 3 | - | - | - | - | - | 2* | 2* |
| VK6 = 29 | 2* | 2* | - | - | - | - | - | - | 6 | 5 | 4 | 2* | 1* | - | - | - | - | - | - | - | - | - | 1* | 2* |
| VK3 = 30 | 2* | 1* | - | - | - | - | - | - | 6* | 3* | 1* | 1* | - | - | - | - | - | - | - | - | - | 4* | 3* | 2* |
| KH6 = 31 | 7 | 7 | 5 | 1 | 2 | - | - | 1* | 5* | 4* | - | - | 1* | 1* | - | - | 3 | 5 | 6 | 7* | 6 | 7 | 7 | 7 |
| KH8 = 32 | 4* | 4* | 4* | 1* | 2 | 1 | 1* | 4* | 2* | 5* | 5* | 5* | 5* | 4* | 2* | - | - | 1 | 6 | 8* | 7* | 6 | 6 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | 9+ | 9+ | 5 | 1 | 3 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | 1 |
| SU = 34 | 3 | - | - | - | - | - | 1 | 9+ | 8 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| 6W = 35 | 9+ | 9 | 7 | 7 | - | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 3 | - | - | 2 | - | - | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | 2* | 2* | - | 4 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 4 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | 5 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | - | - | - | - | - |
| FR = 39 | - | - | 2* | - | - | - | 1 | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 2 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | 2* | 3 | 6 | 7 | 7 | 5 | 2 | 2 | 2 | 2 | 1 | 2 | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Sep., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 | 1 | 2 | 4 | 3 | 5 | 7 | 8 | 8 | 6 | 2 |
| W6 = 03 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2* | 3* | 3 | 5 | 7 | 8 | 8 |
| W9 = 04 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 9 | 9 |
| W3 = 05 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 8 | 7 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 5 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 1 | 1* | 2 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 |
| P4 = 09 | 5 | 1 | - | - | - | - | - | - | - | - | - | 9 | 9 | 4 | 2 | 4 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| HC = 10 | 8 | 8 | 5 | 1 | 1 | - | - | - | - | - | - | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 7 | - | - | 5 | - | 1* | - | - | - | 7 | 8 | 8 | 7 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | 2* |
| CE = 12 | 4 | - | - | - | - | - | - | - | - | - | - | 9 | 2 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9+ | 9 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | 6 | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 |
| G = 14 | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 5 | 8 | 1 | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 9 | 9 | - | - | - | - | 1 | 5 | 9 | 9+ | 9 | 9+ | 7 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 3 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 7 | 8 | 6 | 1 | - | - | - |
| UN = 17 | - | - | 1 | 3 | - | - | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 3 | 1 | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | 3 | 5 | 5* | 3 | 1 | 2 | 2 | 1 | - | - | 1 | - | - | - | - | - | - |
| UA0 = 19 | 1 | 2 | - | - | - | - | - | 4 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1* | 1* | - |
| 4X = 20 | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 4 | - | - | - |
| HZ = 21 | - | - | - | - | - | - | 3 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 5 | - | - |
| VU = 22 | - | 2* | 5 | 4 | - | - | 5 | 8 | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 3 | - | - | - | - | - | - | - |
| JT = 23 | - | - | 2 | 1 | - | - | - | 7 | 7 | 6 | 5* | 5 | 5 | 5 | 2 | - | 1 | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 5 | 1 | 1 | - | - | 2 | 6 | 6 | 6* | 7* | 6 | 7 | 8 | 5 | 1 | - | - | - | - | - | - | 2* | 5* |
| JA1 = 25 | 8 | 3 | 1 | - | - | - | - | 5 | 5 | 8* | 6 | 3 | 1 | - | - | - | - | - | - | - | - | 6* | 4* | 6 |
| HS = 26 | 5* | 5* | 2* | - | - | - | 2 | 7 | 8 | 6 | 6 | 7 | 8 | 7 | 8 | 8 | 8 | 7 | 4 | 2 | - | - | - | 4* |
| DU = 27 | 6* | 5* | 2* | - | 1* | - | 1 | 5 | 6 | 7* | 8* | 6 | 7 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | 5* | 5* |
| YB = 28 | 4* | 2* | - | - | - | - | - | - | 6 | 6 | 8 | 8 | 7 | 6 | 5 | 2* | - | - | - | - | - | - | - | 3* |
| VK6 = 29 | 2* | 1* | - | - | - | - | - | - | - | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 5* |
| VK3 = 30 | 1* | - | - | - | - | - | - | - | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - | 3* | 5* | 3* |
| KH6 = 31 | 5 | 3 | - | - | - | - | - | - | 5* | 1* | - | - | - | - | - | - | - | 5 | 6 | 7* | 7 | 8 | 7 | 6 |
| KH8 = 32 | 3* | 2* | 1* | - | - | - | - | 6* | 6* | 6* | 6* | 5* | 4* | 1* | - | - | - | - | 7 | 8* | 8* | 7 | 6 | 5* |
| CN = 33 | - | - | - | - | - | - | - | - | 2 | 5 | - | - | - | - | - | 6 | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - | - |
| SU = 34 | - | - | - | - | - | - | - | 9 | 8 | 9 | 6 | 4 | 5 | 9 | 9 | 8 | 8 | 9+ | 9+ | 9+ | 9 | 5 | 2 | - |
| 6W = 35 | 8 | 3 | - | 1 | - | - | - | - | 9 | 9+ | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | - | - | - | - | - | - | 1 | 4 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 2 |
| 5Z = 37 | - | - | - | - | 1* | - | - | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 2* | 1* | 1 | 2 | 6 | 9 | 9 | 7 | 1 | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 6 | 7 | 6 | 5 | 4 | 1 | 5 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Sep., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 2 | - |
| W6 = 03 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | 1 | 1 | 5 | 5 |
| W9 = 04 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 7 | 7 | 5 |
| XE1 = 06 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 4 |
| TI = 07 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 5 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 1 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1* | 1 | 6 | 9 | 9+ | 9 | 9 | 3 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 2* | 5 | 9 | 9+ | 9 | 9 | 6 | - |
| HC = 10 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 1 | 3 | 5 | 8 | 9 | 9+ | 9 | 8 | 8 | 8 |
| PY1 = 11 | 7 | - | - | - | - | - | - | - | - | 8 | - | - | 1* | 1* | 1* | 2 | 8 | 9 | 9 | 8 | 6 | 4* | 9+ | 9 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 6 | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 6 | 8 | 9 | 8 | 2 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 2 | 7 | 9+ | 9 | 1 | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 1 | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | 2 | 6 | 6 | 5 | 5 | 4 | 5 | 4 | 1 | - | 1 | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 2 | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | 2 | 3 | 1* | 1* | - | - | - | 1 | 2 | 5 | 9 | 5 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 6 | 2 | - | - | - | - |
| VU = 22 | - | - | 1 | - | - | - | 1 | 5 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 8 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | 1 | 1* | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 4* | 1* | - | - | - | - | - | 2 | 6 | 6 | 7* | 7 | 8 | 8 | - | - | - | - | - | - | - | - | - | 5* |
| JA1 = 25 | 2 | - | - | - | - | - | - | - | - | 2* | 1 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1 |
| HS = 26 | 5* | 2* | - | - | - | - | - | - | 5 | 7 | 8 | 7 | 8 | 9 | 9 | 7 | 2 | - | - | - | - | - | - | 1* |
| DU = 27 | 6* | 2* | - | - | - | - | - | - | 7 | 7 | 8* | 7 | 8 | 8 | 5 | - | - | - | - | - | - | - | 2* | 5* |
| YB = 28 | 1* | - | - | - | - | - | - | - | - | 5 | 5 | 8 | 6 | 2 | 4* | - | - | - | - | - | - | - | - | 3* |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | 3* | 1* |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5* | 5 | 8 | 5 | 1 |
| KH8 = 32 | 1* | 1* | - | - | - | - | - | 1* | 5* | 6* | 5* | 2* | 1* | - | - | - | - | - | 2 | 8 | 8 | 8 | 5* | 4* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 7 | 9+ | 9+ | 8 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | 1 | 1* | 1* | - | - | - | - | 1 | 4 | 8 | 9 | 1 | - | - | - |
| 6W = 35 | 1 | - | - | - | - | - | - | - | - | 7 | 1 | 7 | 8 | 8 | 7 | 6 | 3 | 6 | 9 | 9 | 9 | 8 | 6 | 6 |
| D2 = 36 | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 2* | - | 1 | - | - | - | 1 | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Sep., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| W6 = 03 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| W9 = 04 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 5 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 1 |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 7 | 3 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 2 | 6 | 8 | 8 | 8 | 4 | 1 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 2 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 5 | 5 | 3 | - | - |
| HC = 10 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 4 | 6 | 7 | 8 | 8 | 7 | 3 |
| PY1 = 11 | 1 | - | - | - | - | - | - | - | - | 1 | 9 | 9+ | 9+ | 9+ | 8 | 8 | 1 | 3 | 3* | 4* | 4* | 9+ | 9 | 2 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 1 | 9 | 3 | 9+ | 9 | 8 | 1 | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 7 | 9 | 9+ | 9+ | 9+ | 6 | 1 | 1 | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 9 | 5 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 1 | - | 1* | 1* | 1* | 1 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 2 | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | 5 | 4 | 4 | 5 | 6 | 7 | 8 | 7 | 8 | - | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | 4 | 4 | 3 | 5* | 4 | 6 | 9 | 6 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 1* | - | - | - | - | - | - | - | 2 | 3 | 5* | 4 | 8 | 5 | - | - | - | - | - | - | - | - | - | 1* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | 2* | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 8 | 8 | 1 | - | - | - | - | - | - | - | - |
| DU = 27 | 3* | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | 2* |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | 1* | 5 | 1 | - | 2* | - | - | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 5 | 1 | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - | - | - | - | - | 5 | 7 | 4 | 1* | 1* |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 4 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 1 | 3 | - | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 4 | 1 | - | - | 3 | 3 | 3 | 1 | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | - | - | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 1* | 3* | 5 | 7 | 7 | 7 | 9 | 9 | 7 | - | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Oct., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 6 | 6 | 5 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 |
| W6 = 03 | - | - | 2 | 4 | 3 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 4 | 5 | 6 | 6 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| W3 = 05 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| XE1 = 06 | 1 | 4 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VP2 = 08 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 |
| P4 = 09 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| HC = 10 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 9 |
| CE = 12 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| LU = 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| G = 14 | 4 | 4 | 3 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 |
| I = 15 | 5 | 5 | 4 | 4 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 5 |
| UA3 = 16 | 5 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| UN = 17 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 4 |
| UA9 = 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 3 |
| HZ = 21 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 5 | 5 |
| VU = 22 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 4 | 5 | 5 |
| SU = 34 | 3 | 3 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 5 | 5 |
| FJL = 40 | 5 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Oct., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | 1 | 2 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 |
| W6 = 03 | - | 1 | 5 | 7 | 6 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 7 | 8 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| W3 = 05 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| XE1 = 06 | 4 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TI = 07 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 |
| P4 = 09 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 |
| HC = 10 | 5 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9+ |
| CE = 12 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| LU = 13 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 |
| G = 14 | 7 | 7 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 7 | 7 |
| I = 15 | 8 | 8 | 7 | 7 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 8 |
| UA3 = 16 | 8 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 8 |
| UN = 17 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 7 |
| UA9 = 18 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - |
| 4X = 20 | 6 | 6 | 5 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 6 | 6 |
| HZ = 21 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 8 |
| VU = 22 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 7 |
| JT = 23 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 2 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 6 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 1 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | - | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 8 |
| SU = 34 | 6 | 6 | 7 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 | - | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 9 | 8 | 8 |
| FJL = 40 | 8 | 6 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Oct., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| W6 = 03 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W9 = 04 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 |
| XE1 = 06 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| TI = 07 | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| HC = 10 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | 2 | 6 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 8 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 9 | 9 |
| I = 15 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 8 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 8 | 8 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 5 | 6 | 7 | 7 | 8 |
| UA0 = 19 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 | 7 | 3 |
| 4X = 20 | 7 | 8 | 8 | 7 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 8 | 8 | 8 | 8 | 8 |
| HZ = 21 | 8 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 6 | 8 | 8 | 9 | 8 | 8 |
| VU = 22 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 8 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 | 6 | 6 |
| VR2 = 24 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 7 | 7 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 4 | 1 |
| HS = 26 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 6 | 4 |
| YB = 28 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 2 | 1 | - |
| KH6 = 31 | - | - | 1 | 3 | 7 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 2 | 6 | 6 | 6 | 1 | 1 | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 8 | 8 | 8 | 8 | 8 | 6 | 4 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 8 | 9 | 9 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | 1 | - | - | - | 1 | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 9 | 9 | 8 | 8 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Oct., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 7 | 7 | 7 | 6 | 5 | 4 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | 1 | 4 | 2 | 3 | 4 | 5 | 6 |
| VO2 = 02 | 8 | 8 | 8 | 8 | 8 | 7 | 3 | 6 | 3 | 6 | 4 | 1 | - | - | - | - | - | 1 | 5 | 6 | 8 | 8 | 9 | 8 |
| W6 = 03 | 7 | 8 | 8 | 7 | 7 | 7 | 6 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 7 | 4 | 3 | 1 | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 |
| W3 = 05 | 8 | 7 | 8 | 8 | 8 | 8 | 5 | 7 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 |
| TI = 07 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 5 | 4 | 5 | 2 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 6 | 5 | 8 | 6 | 3 | 1 | - | - | - | - | 1 | 2 | 6 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | 8 | 6 | 2 | 1 | - | - | - | - | 1 | 2 | 5 | 8 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 2 | 1 | 3 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 | 9 |
| G = 14 | 8 | 8 | 9 | 9 | 8 | 2 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 8 | 8 | 8 |
| I = 15 | 9 | 9 | 9 | 9 | 7 | 2 | 8 | 6 | 5 | 1 | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 7 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 7 | 8 | 8 | 8 | 8 |
| UN = 17 | 8 | 8 | 7 | 6 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 9 | 8 | 8 |
| UA9 = 18 | 4 | 6 | 7 | 7 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 7 | 8 | 8 | 7 | 5 |
| UA0 = 19 | 4 | 2 | 1 | 1 | - | - | - | 1* | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 | 7 | 6 | 6 |
| 4X = 20 | 8 | 8 | 7 | 5 | 7 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| HZ = 21 | 8 | 8 | 7 | 6 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 8 |
| VU = 22 | 8 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 5 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 7 | 7 | 8 | 8 | 7 | 6 |
| VR2 = 24 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 | 7 | 4 | 6 |
| JA1 = 25 | 2 | - | - | - | - | - | 1* | 1* | 1* | 1* | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 7 | 6 | 6 | 4 |
| HS = 26 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 6 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 7 | 6 | 5 | 5 |
| YB = 28 | 7 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 7 | 8 | 7 | 6 | 7 |
| VK3 = 30 | 1 | 1 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 | 5 | 1 |
| KH6 = 31 | - | 1 | 4 | 7 | 8 | 8 | 7 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | 1 | 5 | 6 | 7 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 2* | 2* | 1* | 1* | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 1 | 5 | 8 | 5 | 4 | 1 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 8 | 8 | 8 | 7 | 6 | 5 | 6 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 7 | 4 | 3 | 6 | 8 | 8 | 5 | 3 | 1 | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 6 | 6 | 7 | 7 | 5 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |
| FJL = 40 | 5 | 3 | 1 | - | 1* | 6 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 7 | 6 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Oct., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 8 | 7 | 3 | - | - | 1* | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 7 | 4 | 7 | 8 | 8 | 3 | - | 1 | - | 3 | 8 | 7 | 6 | 4 | 5 | 5 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 7 |
| W6 = 03 | 9 | 9 | 7 | 2 | 1 | 2 | 1 | 4 | 7 | 4 | - | - | - | 3 | 1 | 1 | 2* | 1 | 2 | 4 | 5 | 6 | 8 | 8 |
| W9 = 04 | 9 | 8 | 4 | 5 | 5 | 5 | 2 | 5 | 4 | 1 | - | 5 | 5 | 4 | 2 | 3 | 1 | 4 | 5 | 8 | 7 | 9 | 9 | 9 |
| W3 = 05 | 6 | 1 | 7 | 6 | 7 | 7 | - | 4 | 1 | - | 6 | 7 | 6 | 4 | 4 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| XE1 = 06 | 9 | 9 | 6 | 2 | 2 | 5 | 6 | 6 | 8 | 7 | - | 2 | 5 | 4 | 2 | - | 1 | 1 | 2 | 5 | 7 | 9 | 9 | 9 |
| TI = 07 | 9+ | 9 | 9 | 9 | 8 | 8 | 5 | 4 | 1 | - | - | 8 | 6 | 5 | 3 | 2 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 9+ | 9 | 9 | 7 | - | - | - | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | 1 | - | - | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 6 | 3 | - | 7 | 7 | 7 | 5 | 4 | 3 | 4 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 7 | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 2 | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9 | 7 | 8 | 8 | 7 | 7 | 9 | 9+ | 9 | 9 | 8 | 6 | 5 | 4 | 5 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | 1 | 6 | 7 | 2 | - | 1 | 9 | 9 | 8 | 6 | 3 | 2 | 2 | 3 | 6 | 8 | 9 | 9 | 9 | 7 | 7 | 3 | 1 |
| I = 15 | 6 | 7 | 8 | 5 | - | 2* | 4 | 9+ | 9 | 6 | 5 | 4 | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 7 |
| UA3 = 16 | 1 | 2 | 2 | 1 | 2 | 1* | 7 | 9 | 8 | 7 | 3 | 2 | 2 | 2 | 4 | 6 | 9 | 9 | 9 | 9 | 7 | 5 | 1 | 1 |
| UN = 17 | 7 | 7 | 9 | 8 | 6 | 2 | 6 | 5 | 1 | 4 | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| UA9 = 18 | - | 1* | 5 | 8 | 5 | - | 6 | 6 | 7 | 5 | 2 | 1 | 1 | 2 | 3 | 6 | 5 | 7 | 6 | 5 | 4 | 1 | 1* | - |
| UA0 = 19 | 8 | 8 | 8 | 6 | 5 | 1* | 5 | 5 | 6* | 8 | 1 | 1 | 1 | - | - | - | 1* | 1 | 1 | 1* | 3* | 2* | 4 | 8 |
| 4X = 20 | 9 | 8 | 6 | 1* | 1 | 1* | 2 | 9 | 7 | 6 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| HZ = 21 | 9 | 8 | 4 | 4 | 6 | 4 | 8 | 8 | 6 | 4 | 3 | 2 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 5 | 5 | 9 | 8 | 6 | 5 | 5 | 3 | 1 | 1 | 1 | 1 | 2 | 3 | 5 | 5 | 9 | 5 | 1 | - | 2 | 5 | 7 | 6 |
| JT = 23 | 1 | 8 | 9 | 7 | 4 | 1* | 5 | 3 | 7 | 4 | 1 | 1 | 1 | 2 | 4 | 6 | 6 | 6 | 6 | 5 | 4 | 2 | 1* | 1* |
| VR2 = 24 | 8 | 8 | 6 | 5 | 1 | 1 | 1 | 2* | 8 | 4* | 2* | 1* | - | 1 | 2 | 5 | 7 | 7 | 8 | 8 | 8 | 4 | 1* | 2 |
| JA1 = 25 | 7 | 5 | 5 | 4 | 1 | 2* | 5 | 6* | 7* | 5* | 4* | 2* | 1 | 1 | 2 | 4 | 7 | 6 | 6 | 4 | 2* | 3 | 8 | 8 |
| HS = 26 | 8 | 9 | 8 | 7 | 3 | 3 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 4 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 2 |
| DU = 27 | 8 | 8 | 6 | 3 | - | 1* | 2* | 2* | 8 | 5* | 3* | 1* | - | 1 | 3 | 5 | 8 | 8 | 8 | 9 | 8 | 1* | 1* | 8 |
| YB = 28 | 9 | 8 | 6 | 5 | 1 | 1 | 2 | 1 | 2* | 1 | 2* | 1 | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 4 | 8 |
| VK6 = 29 | 8 | 6 | 5 | 4 | 1 | 1 | 5 | 5 | 4 | 2 | 2 | 2 | 2 | 2 | 1 | - | - | 2* | 2* | 3 | 3 | 1 | 1* | 3 |
| VK3 = 30 | 7 | 6 | 4 | 2 | 1 | - | 4 | 6 | 5 | 7 | 2 | 2 | - | - | - | - | 1* | 1 | 1 | 4 | 7 | 8 | 8 | 8 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 9 | 8 | 5 | 5 | 6 | 5 | 4 | 4 | 2 | - | 1* | 1 | 1 | 8 | 7 | 6* | 5* | 2 | 2 | 4 |
| KH8 = 32 | 3 | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 5 | 3 | - | 1* | 2* | 1 | 7 | 6* | 6 | 5* | 2* | 1 | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 4 | - | - | 9+ | 9 | 8 | 6 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 9+ | 8 | 1* | 1* | 1* | 9 | 9 | 8 | 6 | 5 | 4 | 5 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 1 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 6 | 1 | 2 | 6 | 9 | 9 | 8 | 6 | 4 | 5 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 1 | - | - | 2* | 2* | 1* | 8 | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 8 | 4 |
| FR = 39 | 4 | 1 | 1* | 6 | 5 | 6 | 7 | 8 | 6 | 4 | 5 | 2 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 |
| FJL = 40 | 1* | 1* | 1* | 1* | - | 1 | 5 | 7 | 8 | 6 | 5 | 3 | 2 | 2 | 3 | 5 | 8 | 8 | 8 | 7 | 4 | - | - | 1* |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Oct., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 7 | 8 | 7 |
| VO2 = 02 | - | - | - | 1 | 2 | - | - | - | - | - | 6 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9 | 9 | 7 | 1 |
| W6 = 03 | 9 | 8 | 2 | - | - | - | - | - | 1 | - | - | - | - | - | 5 | 6 | 6 | 5 | 7 | 7 | 8 | 8 | 8 | 9 |
| W9 = 04 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 7 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| W3 = 05 | - | - | - | - | - | 1 | - | - | - | - | - | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 7 |
| XE1 = 06 | 9 | 1 | - | - | - | - | - | - | 3 | 1 | - | - | 8 | 8 | 7 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 9 | 6 | 3 | 1 | 1 | - | - | - | - | - | 7 | 9 | 8 | 8 | 7 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9+ | 7 | 3 | 3 | - | - | - | - | - | 9+ | 9 | 6 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9+ | 9+ | 8 | 8 | 2 | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 8 | 9 | 8 | 3 | 2* | - | - | 1 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9 | 6 | 9+ | 9 | 9+ | 9 | 8 | 8 | 1* | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 8 | 2 | 6 | 6 | 3 | 1 | 2 | 7 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9 | 2 | 1* | 2 | 3 | 2* | 1 | 2 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 7 | 6 | - | - | - |
| I = 15 | - | - | 1 | - | - | - | - | 9+ | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 2 | - |
| UA3 = 16 | - | - | - | - | - | - | 2 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 8 | 5 | - | - | - | - |
| UN = 17 | 1 | 1 | 7 | 9 | 1 | 1* | 6 | 8 | 7 | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 5 | 5 | 2 | 1 | 2 | 2 | 3 | 2 |
| UA9 = 18 | 1* | 1* | - | 1 | 1 | - | 3 | 8 | 8 | 6 | 7 | 6 | 7 | 6 | 4 | - | - | 1 | - | - | - | - | - | 2* |
| UA0 = 19 | 7 | 9 | 8 | 8 | 1 | - | 2 | 8 | 8* | 6 | 6 | 5 | - | - | - | - | - | - | - | - | 2* | 5* | 3* | 2* |
| 4X = 20 | 9 | 6 | 1 | - | 1* | 1* | 4 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 |
| HZ = 21 | 8 | 6 | 2* | 1* | 2* | 1* | 7 | 9 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 |
| VU = 22 | 1* | 1* | 8 | 9 | 2 | 1 | 7 | 7 | 5 | 6 | 8 | 6 | 7 | 8 | 9 | 9 | 5 | - | - | - | - | - | - | - |
| JT = 23 | 2* | 2 | 9 | 7 | - | 1* | 4 | 8 | 6 | 7 | 6 | 7 | 7 | 6 | 4 | - | 1 | - | - | - | - | - | 2* | 1* |
| VR2 = 24 | 8 | 9 | 8 | 6 | 1 | 2* | 5 | 4 | 4* | 7* | 6* | 6 | 6 | 7 | 8 | 6 | 5 | 3 | 2 | 2 | 2 | - | 2* | 3* |
| JA1 = 25 | 9 | 7 | 6 | 5 | - | - | 2 | 7 | 8* | 8* | 6 | 5 | 3 | 1 | - | - | 2 | - | - | - | 4* | 4* | 4 | 8 |
| HS = 26 | 5 | 9 | 7 | 5 | 2* | 1 | 6 | 6 | 5 | 5 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | - | 2* |
| DU = 27 | 9 | 8 | 7 | 5 | 2* | 2* | 5 | 4 | 5 | 8* | 7* | 6 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 1 | 4* | 3* | 6 |
| YB = 28 | 8 | 3* | 3* | 2* | 1* | - | 5 | 5 | 5 | 5* | 7 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 6 | 4 | 1 | - | 2* | 3 |
| VK6 = 29 | 2* | 3* | 2* | 2* | 1* | - | 3 | 5 | 6 | 5 | 5 | 5 | 3* | 2* | 2* | 1* | 1* | - | - | - | - | - | 2* | 1* |
| VK3 = 30 | 5 | 2* | 1 | 2* | 1* | - | - | 6 | 6 | 5* | 4* | 4* | 3* | 2* | 2* | 1* | - | - | - | - | 5* | 6 | 7 | 7 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 8 | 6 | 2* | 4* | 5* | 5* | 5* | 4* | 2* | 1* | - | - | 5 | 5 | 5 | 8* | 7* | 6 | 6 | 7 |
| KH8 = 32 | 7 | 7 | 5 | 4* | 6 | 7 | 6 | 7 | 9 | 8 | 7 | 5 | 5* | 5* | 5* | 1* | 1 | 5 | 5 | 8* | 8* | 7* | 6* | 6 |
| CN = 33 | 9+ | 9+ | 8 | 7 | - | - | - | - | 9+ | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9+ | 9 | 3 | 1* | 1* | 1* | 4 | 9+ | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 8 | - | - | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9 | 8 | 9 | 5* | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | 1* | 3* | 3* | 2* | 8 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 2 |
| ZS6 = 38 | - | - | - | - | 3* | - | 2 | 5 | 7 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 2 | - | - |
| FR = 39 | - | - | 3* | 3* | 2* | 1 | 6 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - |
| FJL = 40 | - | 1* | - | - | - | - | - | 1* | 3 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 4 | 1 | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Oct., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3* | 6* | 3 | 3 | 2 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 7 | 2 | - |
| W6 = 03 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| W9 = 04 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 2 |
| XE1 = 06 | 7 | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| TI = 07 | 9 | 2 | - | - | - | - | - | - | - | - | - | 1 | 9 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 5 | - | - | - | - | - | - | - | - | 9 | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9 | 9 | 7 | 1 | 3 | - | - | - | - | - | 2 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| HC = 10 | 8 | 8 | 9 | 7 | 6 | 4 | 2* | - | - | - | - | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ |
| PY1 = 11 | 5 | 9+ | 9 | 5 | 8 | 7 | 2 | 2 | 8 | 3 | 9+ | 8 | 2 | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| CE = 12 | 9+ | 8 | 2* | 1* | 1 | 1 | 1* | - | - | - | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9 | 2 | - | 1* | - | - | 1* | - | - | 5 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | 1 | 1 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 1 | - | - | - |
| I = 15 | - | - | - | - | - | - | - | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 5 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 5 | 4 | - | - | - | - | - |
| UN = 17 | 2* | 1* | 1 | 7 | - | - | 5 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - | - |
| UA9 = 18 | 2* | - | - | - | - | - | - | 7 | 8 | 8 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 2 | 6 | 6 | 5 | - | - | - | 8 | 8 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | 5* | 4* | 3* |
| 4X = 20 | 2 | - | - | - | - | - | - | 9+ | 9 | 9 | 2 | 4 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 6 |
| HZ = 21 | 3 | 2 | 2* | - | 1* | 1* | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 |
| VU = 22 | 1* | 3* | 3 | 7 | 1* | 1* | 5 | 8 | 7 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | - | - | - | - | - | - | - | - |
| JT = 23 | 2* | - | 5 | 5 | - | - | 2 | 8 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 4* |
| VR2 = 24 | 6 | 7 | 6 | 3 | 1* | 1* | 4 | 6 | 6 | 8* | 7* | 6 | 7 | 8 | 4 | 2 | 1 | - | - | - | - | - | 5* | 5* |
| JA1 = 25 | 9 | 5 | 4 | 3 | - | - | - | 7 | 8 | 8* | 5* | 1 | - | - | - | - | - | - | - | - | - | 6* | 5* | 7 |
| HS = 26 | 4* | 5 | 4* | 2 | 1* | 1 | 6 | 7 | 7 | 6 | 7 | 6 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | - | - | 4* |
| DU = 27 | 8 | 5 | 4* | 2 | 2* | 2* | 3 | 6 | 6 | 8* | 8* | 6 | 7 | 6 | 7 | 8 | 8 | 8 | 7 | 4 | - | - | 5* | 6* |
| YB = 28 | 6 | 4* | 4* | 1* | 1* | - | 2 | 6 | 6 | 6* | 8 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | 2* | 4* |
| VK6 = 29 | 5* | 5* | 4* | 2* | 1* | - | 1 | 1 | - | 7* | 5* | 4* | 2* | 1* | - | - | - | - | - | - | - | - | 2* | 5* |
| VK3 = 30 | 3* | 4* | 2* | 2* | - | - | - | - | 7* | 5* | 4* | 2* | 1* | 1* | - | - | - | - | - | - | 1* | 5* | 4* | 4 |
| KH6 = 31 | 8 | 8 | 8 | 7 | 7 | 1 | 1* | 3* | 5* | 7* | 4* | 1* | 1* | - | - | - | 2 | 7 | 7 | 8* | 8 | 7 | 7 | 8 |
| KH8 = 32 | 6 | 5 | 3* | 2* | 2 | 3 | 2 | 7* | 7* | 7* | 5* | 6* | 5* | 4* | 2* | - | - | 6 | 7 | 8* | 8* | 8* | 7 | 7 |
| CN = 33 | 9 | 5 | 1 | 1 | - | - | - | - | 9+ | 9+ | 9 | 9 | 9 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 8 | 2 | - | - | 1* | - | - | 9+ | 9 | 9 | 1 | 2 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 6W = 35 | 9+ | 9 | 8 | 9 | 2 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 7 | 3 | 1 | 5 | 1* | 1* | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 5* | 3* | 1* | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | - |
| ZS6 = 38 | - | - | - | - | 2* | - | - | - | - | - | 1 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 4 | - | - | - | - |
| FR = 39 | - | - | 4* | 2* | 2* | - | 3 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Oct., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 1 | 1 | 4 | 6 | 6 | 7 | 7 | 2 | - | - |
| W6 = 03 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 4 | 5 | 7 | 7 | 8 | 7 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 4 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 5 | 7 | 8 | 9 | 8 | 8 | 5 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 9 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 9 |
| TI = 07 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9 | 1 | - | 1* | 2 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 5 | 4 |
| P4 = 09 | 5 | 3 | - | - | - | - | - | - | - | - | - | 9 | - | - | 1* | 1 | 6 | 9 | 9 | 9+ | 9 | 8 | 5 | 2 |
| HC = 10 | 8 | 7 | 4 | 1 | 3 | 1 | 1* | - | - | - | - | 6 | 4 | 3 | 4 | 8 | 9 | 9 | 9 | 9+ | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9 | 2 | - | 1 | 1 | - | - | - | 9 | - | 1* | 9+ | 9+ | 1* | 5 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 6 | 9+ |
| CE = 12 | 7 | 1 | - | - | - | - | - | - | - | - | 2 | 9 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9 |
| LU = 13 | 5 | - | - | - | - | - | - | - | - | - | 7 | 9 | 5 | 3 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 7 |
| G = 14 | - | - | - | - | - | - | - | - | 5 | 2 | - | - | - | 9 | - | 2 | 3 | 1 | 8 | 2 | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 9+ | 4 | 1* | - | - | - | 1 | 6 | 9 | 9 | 9 | 6 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 4 | 7 | 6 | 6 | 6 | 5 | 5 | 6 | 6 | 2 | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | 3 | - | - | 1 | 7 | 9 | 8 | 8 | 7 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | 1* | - | - | - | - | - | - | 1 | 6 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | 1 | 2 | - | - | - | 2 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1* | 5* | 2* |
| 4X = 20 | - | - | - | - | - | - | - | 2 | 9 | 2* | 1* | 1* | 1* | 2 | 6 | 7 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - |
| HZ = 21 | - | - | - | - | - | - | - | 1 | 9 | 6 | 4 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 5 | 1 | - |
| VU = 22 | - | 4* | - | 3 | - | - | 3 | 7 | 7 | 3 | 3* | 3 | 8 | 9 | 9 | 6 | - | - | - | - | - | - | - | - |
| JT = 23 | 1* | - | - | 1 | - | - | - | 4 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 5* | 5* | 1 | 1 | 1* | - | 1 | 5 | 5 | 6* | 7* | 5* | 8 | 7 | 1* | - | - | - | - | - | - | - | 1* | 6* |
| JA1 = 25 | 7 | 1 | - | 1 | - | - | - | 2 | 7 | 8* | 2* | - | - | - | - | - | - | - | - | - | - | 6* | 5* | 4* |
| HS = 26 | 5* | 5* | 2* | - | 1* | - | 2 | 4 | 6 | 4 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 5 | 2 | - | - | - | 3* |
| DU = 27 | 6* | 5* | 2* | 1* | 1* | 1* | 1 | 5 | 6 | 5 | 7* | 7 | 8 | 8 | 9 | 8 | 8 | 2 | - | - | - | - | 7* | 6* |
| YB = 28 | 4* | 3* | 1* | - | - | - | 1 | - | 1 | 1 | 7* | 5 | 9 | 8 | 7 | 3* | - | - | - | - | - | - | - | 5* |
| VK6 = 29 | 4* | 5* | 3* | - | - | - | - | - | - | 6* | 4* | 1* | - | - | - | - | - | - | - | - | - | - | - | 2* |
| VK3 = 30 | 5* | 4* | 1* | 1* | - | - | - | - | 1* | 4* | 1* | 1* | - | - | - | - | - | - | - | - | - | 2* | 4* | 5* |
| KH6 = 31 | 6 | 6 | 5 | 1 | 2 | - | - | - | 1* | 3* | 1* | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 7 | 7 | 6 |
| KH8 = 32 | 4 | 1* | - | 1* | - | - | - | 4* | 7* | 5* | 1* | 5* | 4* | 1* | - | - | - | 1 | 8 | 7 | 8* | 8 | 7 | 7 |
| CN = 33 | 3 | - | - | - | - | - | - | - | - | 2 | 1* | 1* | - | - | - | 6 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 7 |
| SU = 34 | 1 | - | - | - | - | - | - | 1 | 7 | 2* | 1* | 1* | 1* | 1 | 4 | 6 | 7 | 8 | 9 | 9 | 8 | 7 | 9 | 5 |
| 6W = 35 | 8 | 3 | 1 | 5 | - | - | - | - | 4 | 8 | 4 | 7 | 8 | 7 | 6 | 7 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 6 | 9 |
| D2 = 36 | - | - | - | - | - | - | 4 | 2 | 8 | 8 | 7 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 |
| 5Z = 37 | - | - | - | 1* | 1* | - | - | - | - | 1* | 2* | 1 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | 1* | 2* | 2* | 1 | 5 | 8 | 8 | 7 | 3 | 2 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 5 | 2 | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Oct., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | - | - | - |
| W6 = 03 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 2* | 1 | 2 | 5 | 3 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 3 | 5 | 6 | 6 | 5 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 5 | 1 | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 4 | 7 | 8 | 8 | 8 | 6 | 1 | 5 |
| TI = 07 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 9 | 9 | 9 | 8 | 5 | 3 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 1* | 1 | 6 | 9 | 9 | 7 | 1 | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1* | 2* | 3* | 4 | 7 | 8 | 6 | 1 | - | - |
| HC = 10 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 5 | 8 | 8 | 9 | 9 | 8 | 6 | 4 |
| PY1 = 11 | 9 | 4 | - | - | - | - | - | - | - | 8 | 9+ | 9+ | 9 | 9 | 9+ | 8 | 5 | 7 | 8 | 8 | 7 | 4 | 9+ | 9+ |
| CE = 12 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9 | 6 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 1* |
| G = 14 | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 4 | 5 | 8 | 8 | 6 | 1 | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 6 | - | - | - | - | - | - | - | 3 | 9+ | 8 | 2 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 6 | 5 | 3 | 2 | 3 | 4 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | 1 | 2 | 3 | 9 | 5 | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 5 | 1 | 2* | 3* | 5 | 8 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - |
| VU = 22 | - | 1* | - | - | - | - | - | 1 | 3 | - | 4* | 5* | 3 | 9 | 8 | 1 | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 5* | 2* | - | - | - | - | - | - | 1 | - | 7* | 4* | 8 | 3 | - | - | - | - | - | - | - | - | - | 5* |
| JA1 = 25 | 1 | - | - | - | - | - | - | - | 1 | 3* | - | - | - | - | - | - | - | - | - | - | - | 3* | 5* | 2* |
| HS = 26 | 5* | 3* | - | - | - | - | - | - | - | - | 4* | 6 | 8 | 8 | 8 | 6 | 4 | 2 | - | - | - | - | - | 1* |
| DU = 27 | 6* | 3* | - | - | 1* | - | - | - | 1 | 1* | 6* | 6* | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | 2* | 6* |
| YB = 28 | 1* | - | - | - | - | - | - | - | - | - | 3* | 1 | 8 | 7 | 4* | - | - | - | - | - | - | - | - | 1* |
| VK6 = 29 | - | 1* | - | - | - | - | - | - | - | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 2* | 2* | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* |
| KH6 = 31 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 7 | 2 | 1 |
| KH8 = 32 | 1 | - | - | - | - | - | - | - | 5* | - | - | 1* | 1* | - | - | - | - | - | 4 | 7 | 8 | 8 | 7 | 4 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 7 | 3 | - | - | 1 |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 1* | - | - | 1 | 2 | 4 | 2 | 1 | - | 3 | - |
| 6W = 35 | 2 | - | - | 1 | - | - | - | - | - | - | 1* | 2* | 1* | 2 | 1 | 4* | 5* | 7 | 8 | 7 | 2 | - | - | 5 |
| D2 = 36 | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 2 | 1 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 1 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | 1* | 3 | 6 | 7 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Nov., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | 2 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 |
| W6 = 03 | - | 1 | 4 | 4 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 5 | 6 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 |
| XE1 = 06 | 1 | 3 | 4 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 |
| P4 = 09 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| HC = 10 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 6 | 9 |
| CE = 12 | 2 | 3 | 4 | 4 | 4 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 6 | 6 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 |
| I = 15 | 4 | 5 | 5 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 4 | 4 |
| UA3 = 16 | 5 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| UN = 17 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 |
| UA9 = 18 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | 3 | 3 | 2 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 3 |
| HZ = 21 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| VU = 22 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 4 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 2 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | 2 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 3 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | 5 | 5 |
| SU = 34 | 3 | 3 | 2 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 9 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 6 | 6 |
| FR = 39 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 5 |
| FJL = 40 | 4 | 3 | 5 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Nov., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | 1 | 3 | 5 | 5 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 |
| W6 = 03 | 1 | 4 | 7 | 7 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 |
| XE1 = 06 | 4 | 6 | 7 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TI = 07 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 |
| VP2 = 08 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 |
| P4 = 09 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 |
| HC = 10 | 5 | 6 | 7 | 6 | 7 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | 2 | 7 | 9 | 9 | 9+ |
| CE = 12 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| G = 14 | 9 | 9 | 8 | 8 | 7 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 |
| I = 15 | 7 | 8 | 8 | 9 | 8 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 7 | 7 |
| UA3 = 16 | 8 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 8 |
| UN = 17 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 6 | 6 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | - |
| 4X = 20 | 6 | 6 | 5 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 5 | 6 | 6 |
| HZ = 21 | 8 | 8 | 7 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 |
| VU = 22 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 7 |
| JT = 23 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 5 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 4 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 1 | 5 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 1 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 6 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 2 | 1 | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 8 | 8 | 8 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 8 | 8 |
| SU = 34 | 6 | 6 | 5 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 6 | 6 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 | 1 | - | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 9 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 9 | 9 | 8 |
| FJL = 40 | 7 | 6 | 8 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 7 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Nov., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 5 | 8 | 7 | 7 | 8 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 4 | 4 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 |
| W6 = 03 | 6 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| W9 = 04 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| XE1 = 06 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| TI = 07 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | 1 | 1 | 5 | 7 | 8 | 8 | 8 | 9 |
| UA3 = 16 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 6 | 8 | 9 | 9 |
| UN = 17 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 6 | 6 | 8 | 4 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 7 | 7 |
| UA0 = 19 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 7 | 7 | 7 | 6 |
| 4X = 20 | 8 | 8 | 8 | 8 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 8 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 7 | 7 | 7 |
| VR2 = 24 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 6 | 7 | 5 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 5 | 6 | 6 | 2 |
| HS = 26 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 7 | 4 |
| YB = 28 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 8 | 8 | 8 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 7 | 5 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 3 | 1 | - | - |
| KH6 = 31 | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | 1 | 4 | 7 | 7 | 8 | 9 | 9 | 8 |
| SU = 34 | 8 | 9 | 9 | 8 | 7 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 | 9 | 9 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 6 | 2 | 1 | - | 1 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 9 | 9 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 9 | 9 | 9 | 8 | 6 | 1 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 5 | 8 | 8 | 8 | 9 | 9 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Nov., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 7 | 7 | 6 | 4 | 3 | 6 | 5 | 3 | 3 | 1 | - | - | - | - | - | - | 1 | 3 | 4 | 5 | 5 | 6 | 6 |
| VO2 = 02 | 8 | 7 | 7 | 8 | 8 | 8 | 5 | 7 | 3 | 6 | 5 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| W6 = 03 | 7 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 6 | 4 | 4 | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 6 |
| W9 = 04 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 6 | 4 | 2 | - | - | - | - | - | - | - | 1 | 4 | 5 | 8 | 8 |
| W3 = 05 | 7 | 6 | 6 | 7 | 8 | 8 | 6 | 5 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | 4 | 2 | - | - | - | - | - | - | - | 1 | 3 | 6 | 8 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | 4 | 8 | 6 | 3 | 1 | - | - | - | - | 1 | 3 | 7 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 5 | 1 | 8 | 6 | 2 | 1 | - | - | - | - | - | 2 | 4 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 5 | 5 | 4 | 5 | 1 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 2 | 2 | 3 | 6 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | 1 | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 | 9 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | 2 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 8 | 8 | 7 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | 2 | 5 | 7 | 7 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 9 | 7 | 4 | 6 | 6 | 4 | 1 | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 3 | 1 | - | - | - | - | - | - | - | 4 | 4 | 6 | 8 | 8 | 7 | 8 | 8 |
| UN = 17 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 5 | 5 | 7 | 6 | 5 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 7 | 8 | 7 | 6 |
| UA0 = 19 | 5 | 3 | 3 | 2 | 1 | 2 | 2 | 4 | 1 | 1* | - | - | - | - | - | - | 1 | 3 | 6 | 7 | 7 | 5 | 5 | 6 |
| 4X = 20 | 8 | 9 | 8 | 6 | 4 | 4 | 5 | 4 | 1 | - | - | - | - | - | - | 2 | 5 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 7 | 5 | 6 | 5 | 4 | 1 | - | - | - | - | - | - | - | 2 | 2 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 7 | 4 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 8 | 7 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 7 | 4 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 7 | 6 |
| VR2 = 24 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 6 | 6 | 6 | 3 | 6 |
| JA1 = 25 | 3 | 1 | - | - | - | - | 1 | 2* | 1* | 1* | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 | 6 | 5 | 6 |
| HS = 26 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 6 |
| DU = 27 | 4 | 2 | 1 | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 4 | 5 | 7 | 6 | 3 | 2 | 6 |
| YB = 28 | 7 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 9 | 8 | 8 |
| VK6 = 29 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 6 | 7 | 8 | 8 | 8 | 7 |
| VK3 = 30 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 6 | 4 | 1 |
| KH6 = 31 | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 4 | 6 | 7 | 8 | 7 | 6 | 3 | 1 | - | - | - | - | - | - | 2* | 2* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9+ | 9 | 9 | 4 | 4 | 5 | 5 | 4 | 1 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 7 | 2 | 4 | 7 | 5 | 2 | - | - | - | - | - | 1 | 2 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 8 | 7 | 8 | 7 | 5 | 2 | - | - | - | - | - | 1 | 4 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 7 | 3 | 3 | 8 | 8 | 8 | 6 | 3 | 1 | - | - | 1 | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 |
| FR = 39 | 8 | 8 | 7 | 7 | 6 | 5 | 3 | 2 | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 8 | 9 | 9 | 8 | 8 |
| FJL = 40 | 5 | 4 | 2 | - | - | - | - | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 5 | 6 | 5 | 5 | 4 | 4 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Nov., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 9 | 8 | 5 | 1* | 1* | 1* | 1 | - | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 | 8 |
| VO2 = 02 | 2 | 1 | 1 | 4 | 6 | 4 | - | 1 | - | 1 | 8 | 7 | 6 | 4 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 7 | 3 |
| W6 = 03 | 9 | 8 | 6 | 2 | 1 | 3 | 2 | 1 | 7 | 5 | - | - | - | 2 | 1 | 1 | 2 | 9 | 2 | 2 | 3 | 6 | 8 | 9 |
| W9 = 04 | 8 | 8 | 6 | 5 | 5 | 7 | 3 | 2 | 7 | 5 | - | 5 | 5 | 4 | 2 | 2 | 3 | 6 | 6 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 2 | 1* | - | 1 | 3 | 7 | 1 | 1 | 2 | - | 4 | 7 | 6 | 4 | 3 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 8 |
| XE1 = 06 | 9 | 6 | 7 | 7 | 8 | 8 | 5 | 3 | 8 | 5 | - | 2 | 5 | 3 | 3 | 1 | 1 | 4 | 1 | 4 | 7 | 8 | 9 | 9 |
| TI = 07 | 9 | 8 | 8 | 8 | 8 | 8 | 4 | 2 | - | - | - | 8 | 6 | 4 | 4 | 3 | 3 | 5 | 3 | 5 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9 | 9 | 8 | 4 | 2 | 6 | - | 1* | 1* | 6 | 9 | 9 | 7 | 5 | 5 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9 | 9 | 8 | 6 | 6 | - | - | - | - | 9 | 9 | 7 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 9 | 8 | 9 | 6 | 5 | 1 | - | 7 | 8 | 7 | 5 | 4 | 3 | 3 | 4 | 6 | 8 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 8 | 8 | 9+ | 9+ | 4 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 4 | 3 | 2 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 9 | 9 | 9+ | 9 | 9 | 8 | 8 | 5 | 4 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 4 | 5 | 8 | 9 | 6 | 1 | - | 9 | 9 | 8 | 6 | 4 | 2 | 2 | 4 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 5 |
| I = 15 | 9 | 9 | 9 | 7 | - | - | 2* | 9 | 8 | 6 | 5 | 4 | 2 | 2 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| UA3 = 16 | 3 | 4 | 5 | 1 | 2* | 1 | 5 | 8 | 8 | 8 | 4 | 2 | 2 | 2 | 5 | 7 | 8 | 7 | 5 | 3 | 2 | 1 | - | 1 |
| UN = 17 | 7 | 7 | 8 | 9 | 7 | 1 | 6 | 6 | 2 | 5 | 2 | 1 | 1 | 2 | 5 | 5 | 1 | 4 | 3 | 3 | 5 | 7 | 8 | 8 |
| UA9 = 18 | - | - | 1* | 4 | 6 | 1 | 4 | 7 | 6 | 6 | 3 | 2 | 1 | 2 | 1 | - | - | 1 | 1 | 1 | 2 | 2 | 1 | 1* |
| UA0 = 19 | 8 | 8 | 6 | 7 | 6 | 2* | 4 | 7 | 5 | 6 | 1 | - | - | - | - | - | - | 1 | 2 | 2 | 2* | 2* | 2* | 3 |
| 4X = 20 | 9 | 9 | 8 | 2* | 1* | 1* | 6 | 9 | 8 | 6 | 4 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| HZ = 21 | 9 | 8 | 3 | 1 | 4 | 2 | 7 | 8 | 5 | 4 | 6 | 3 | 5 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 |
| VU = 22 | 2 | - | 5 | 9 | 6 | 3 | 5 | 4 | 2 | 3 | 1 | 1 | 1 | 3 | 5 | 7 | 8 | 6 | - | - | - | 1 | 6 | 5 |
| JT = 23 | 2 | 8 | 9 | 8 | 5 | 1* | 4 | 6 | 5 | 5 | 4 | 1 | 2 | 3 | - | - | 1 | 1 | 2 | 4 | 5 | 4 | 1* | 1* |
| VR2 = 24 | 8 | 8 | 8 | 5 | 1 | 1 | 1 | 2* | 8 | 4* | 2* | 1* | 1 | 1 | 2 | 5 | 7 | 7 | 6 | 7 | 7 | 2 | 1* | 1 |
| JA1 = 25 | 8 | 6 | 5 | 5 | 2 | 3* | 5* | 6* | 7* | 6* | 4* | 1 | - | - | - | - | 2 | 2 | 4 | 3 | 2* | 2* | 7 | 8 |
| HS = 26 | 7 | 9 | 8 | 6 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 3 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 4 | 1 |
| DU = 27 | 8 | 8 | 7 | 3 | - | 1* | 2* | 3* | 8 | 5* | 3* | 1* | - | - | 2 | 4 | 8 | 8 | 8 | 8 | 4 | 1* | 1* | 8 |
| YB = 28 | 9 | 8 | 7 | 4 | 1 | 1 | 1 | 1 | 2* | 1 | 2* | 1 | 2 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 5 | 4 | 2 | 2 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 3 | 4 | 5 | 6 | 5 | 3 | 3 | 5 | 6 | 7 | 8 |
| VK3 = 30 | 7 | 5 | 4 | 3 | 2 | 1 | 5 | 7 | 6 | 5 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 4 | 6 | 8 | 8 | 8 | 8 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 8 | 5 | 5 | 3 | 5 | 2* | 1 | 2 | - | - | - | - | 1 | 8 | 6 | 6* | 5* | 3 | 4 | 5 |
| KH8 = 32 | 2 | 4 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 1 | 1* | 1 | 1 | 7 | 6 | 7 | 6* | 3* | 1* | 1 |
| CN = 33 | 9+ | 9+ | 9+ | 9+ | 6 | - | - | 2 | 7 | 8 | 6 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 9+ | 9 | 2* | 1* | 1* | 6 | 9 | 8 | 6 | 5 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 5 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9+ | 9+ | 8 | 1 | 1 | 4 | 9 | 9 | 8 | 7 | 5 | 4 | 5 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| ZS6 = 38 | 6 | 1 | - | 1* | 2* | 1 | 8 | 9+ | 9 | 9 | 8 | 7 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| FR = 39 | 8 | 7 | 5 | 7 | 5 | 6 | 8 | 8 | 6 | 5 | 4 | 1 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | - | 1* | 1* | 2* | 1* | 1* | 3* | 3* | 8 | 8 | 5 | 3 | 2 | 2 | 3 | 5 | 6 | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Nov., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 9 | 8 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 6 | 5* | 1* |
| W6 = 03 | 8 | 5 | - | - | - | - | - | - | 1 | 1 | - | - | - | - | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 2 | 1 | - | - | - | - | - | - | 1 | - | - | - | 7 | 8 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | 1* | - | - | - | - | 1 | - | - | - | - | - | 6 | 8 | 8 | 7 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 8 | 5* |
| XE1 = 06 | 3 | 1* | - | - | - | - | - | - | 4 | - | - | - | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| TI = 07 | 7 | 2* | - | - | 1 | 4 | - | - | - | - | - | 6 | 9 | 9 | 8 | 8 | 9 | 8 | 7 | 9 | 9 | 9 | 9 | 9 |
| VP2 = 08 | 1 | - | - | - | - | - | - | - | - | - | 9+ | 9 | 7 | 7 | 6 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| P4 = 09 | 9 | 5 | 2 | - | - | 1 | - | - | - | - | 9 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9+ | 9+ | 9 | 8 | 8 | 5 | 2* | - | - | - | - | 8 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ |
| PY1 = 11 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 2* | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9 | 8 | 7 | 6 | 4 | 4 | 6 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 8 | 5 | 6 | 4 | 2 | 3 | 6 | 9+ | 9+ | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | 1 | - | - | - | - | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - |
| I = 15 | 1 | 2 | 4 | - | - | - | 1* | 2 | 9 | 8 | 7 | 6 | 6 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9 | 8 | 6 | 4 | 1 |
| UA3 = 16 | - | - | - | - | - | 1* | - | 5 | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 8 | 6 | - | - | - | - | - | - | - |
| UN = 17 | 2* | 2* | 2* | 8 | 2 | 1* | 5 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | - | - | - | - | - | - | - | 1 | 2 |
| UA9 = 18 | 2* | 1* | 1* | 1* | 1 | 1* | 1 | 6 | 8 | 8 | 7 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | 1* |
| UA0 = 19 | 3 | 8 | 8 | 7 | 2 | 1* | 1 | 7 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 4* | 4* | 2* |
| 4X = 20 | 8 | 7 | 2 | 1* | 3* | 1* | 1 | 9+ | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | 9 |
| HZ = 21 | 7 | 5 | 2* | 2* | 2* | 1* | 4 | 9 | 8 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VU = 22 | 1* | 2* | 2* | 8 | 2 | 1* | 6 | 8 | 8 | 6 | 9 | 6 | 7 | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - |
| JT = 23 | 2* | 2* | 7 | 7 | 1 | 1* | 1 | 7 | 8 | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | 2* |
| VR2 = 24 | 7 | 8 | 8 | 5 | 2* | 1* | 4 | 5 | 6* | 7* | 6* | 6 | 6 | 7 | 6 | 6 | 5 | 2 | 1 | 1 | 1 | - | 4* | 3* |
| JA1 = 25 | 8 | 7 | 5 | 4 | 2* | 1* | 1 | 7 | 8 | 7* | 4* | 1* | - | - | - | - | - | - | - | - | - | 4* | 4* | 8 |
| HS = 26 | 3* | 9 | 6 | 4 | 1* | 1* | 5 | 7 | 7 | 8 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 5 | - | 2* |
| DU = 27 | 9 | 8 | 6 | 3 | 3* | 2* | 5 | 5 | 6 | 8* | 7* | 6 | 6 | 7 | 8 | 8 | 8 | 6 | 2 | 1 | - | - | 3* | 4 |
| YB = 28 | 9 | 7 | 2* | 1* | 1* | - | 4 | 5 | 5 | 5 | 7 | 6 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 2 | 7 |
| VK6 = 29 | 7 | 3 | 3* | 2* | 1* | 1 | 5 | 7 | 6 | 6 | 6 | 6 | 6 | 5 | 2* | 3* | 4* | 3* | 1* | - | - | 1* | 3* | 2 |
| VK3 = 30 | 8 | 5 | 2 | 1 | 2* | - | 2 | 6 | 7 | 6 | 5 | 5 | 4* | 3* | 3* | 3* | 3* | 1* | - | 2* | 5* | 7 | 8 | 8 |
| KH6 = 31 | 8 | 9 | 9 | 9 | 3 | - | 1* | 4* | 5* | 5* | 3* | 1* | 1* | 1* | - | - | 4 | 5 | 6 | 8* | 7* | 7 | 7 | 8 |
| KH8 = 32 | 6 | 7 | 8 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 8 | 6 | 4* | 3* | 1 | 4 | 5 | 5 | 8* | 8* | 7* | 6* | 5 |
| CN = 33 | 9+ | 9 | 7 | 7 | - | - | - | - | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 9 | 5 | - | 4* | 2* | 1* | 9+ | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9 | 1 | - | 1 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 8 | 8 | 5 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 7 | 5 | 2 | 5* | 2* | 1* | 6 | 9+ | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | - | - | - | 2* | 2* | - | 1 | 1 | 5 | 6 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 8 | 7 | 3 |
| FR = 39 | 3 | 1 | 3* | 3* | 1* | 3 | 8 | 8 | 8 | 9 | 9 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 5 |
| FJL = 40 | - | - | - | 1* | 1* | - | 1* | 1* | 1 | 6 | 8 | 7 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Nov., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6* | 7* | 7 | 5 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | 5 | 5* | 1* | - |
| W6 = 03 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 8 |
| W9 = 04 | 1* | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 4 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 6* | 3* |
| XE1 = 06 | 1* | - | - | - | - | - | - | - | - | - | - | - | 3 | 8 | 8 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| TI = 07 | 1* | - | - | - | - | - | - | - | - | - | - | - | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 9 | 9+ | 9 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 9 | 7 | 5 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| HC = 10 | 9 | 8 | 5 | 3 | 4 | 1 | - | - | - | - | - | 9 | 8 | 8 | 9 | 8 | 8 | 9 | 8 | 9 | 9+ | 9+ | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9 | 8 | 8 | 7 | 4 | 5 | 9 | 1* | 1* | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 4 |
| CE = 12 | 9 | 8 | 4 | 1 | 2 | 1 | - | 1* | 1 | 1 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 9+ | 9+ |
| LU = 13 | 8 | 5 | 1 | - | 1 | - | - | - | 1 | 5 | 9 | 9 | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 4 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | 1* | 9 | 9 | 7 | 8 | 7 | 4 | 6 | 9 | 9 | 9 | 9 | 6 | 2 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | - | - | - | - | - | - | - | - |
| UN = 17 | 1* | 3* | 1* | 2 | 1* | - | 1 | 7 | 8 | 8 | 8 | 8 | 7 | 5 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | 4* | 2* | 1* | - | - | - | - | 1* | 9 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 2 | 4 | 5 | - | - | - | 1 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 5* | 4* |
| 4X = 20 | 1 | - | - | - | 2* | 1* | - | 4 | 9 | 6 | 2 | 2 | 5 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 3 |
| HZ = 21 | 1 | 1 | - | 1* | 1* | 1* | 1 | 4 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 |
| VU = 22 | - | 5* | 2* | 5 | 1* | - | 5 | 8 | 8 | 7 | 5 | 7 | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - | - |
| JT = 23 | 4* | 3* | 1 | 4 | 1* | - | - | 2 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 3* |
| VR2 = 24 | 5* | 7 | 4 | 2 | 1* | 1* | 2 | 6 | 6 | 7* | 6* | 7 | 7 | 5 | 1 | 3 | 1 | - | - | - | - | - | 1* | 5* |
| JA1 = 25 | 7 | 2 | 1 | 2 | - | - | - | 1 | 7 | 5* | 1* | - | - | - | - | - | - | - | - | - | - | 6* | 5* | 4 |
| HS = 26 | 5* | 8 | 3* | 1 | 1* | - | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | - | - | 2* |
| DU = 27 | 9 | 5 | 3* | 1 | 1* | 1* | 3 | 6 | 6 | 8* | 7* | 6 | 7 | 7 | 8 | 7 | 4 | - | - | - | - | - | 5* | 5* |
| YB = 28 | 7 | 4* | 1* | - | - | - | 2 | 3 | 5 | 5* | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 8 | 6 | 3 | - | 1* | 4* |
| VK6 = 29 | 6* | 5* | 3* | 1* | 1* | - | 1 | 1 | 5 | 5 | 7 | 5 | 4* | 3* | 2* | 2* | 1* | - | - | - | - | - | 2* | 5* |
| VK3 = 30 | 5 | 3* | 2* | 2* | 1* | - | - | 1 | 6 | 7* | 5* | 5* | 4* | 3* | 3* | 1* | - | - | - | - | 3* | 5* | 7 | 8 |
| KH6 = 31 | 7 | 8 | 8 | 6 | - | - | 1* | 1* | 5* | 4* | 1* | - | - | - | - | - | - | 7 | 7 | 8* | 8 | 7 | 7 | 7 |
| KH8 = 32 | 6 | 6 | 5 | 2 | 5 | 4 | 3 | 5 | 8* | 9 | 8 | 7 | 5* | 4* | - | - | 2 | 6 | 7 | 8* | 8* | 7 | 6 | 6 |
| CN = 33 | 7 | 2 | - | 2 | - | - | - | - | - | 7 | 9 | 9 | 8 | 5 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| SU = 34 | 4 | 1 | - | - | 2* | 1* | - | 2 | 9 | 5 | 1 | 1 | 3 | 3 | 5 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| 6W = 35 | 9 | 8 | 6 | 9 | 6 | - | - | - | 2 | 9 | 9 | 9 | 9 | 8 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ |
| D2 = 36 | 9 | 7 | 1 | 3 | 2* | - | 8 | 9 | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 2* | 1* | - | 1 | 4 | 5 | 2 | 3 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 3 |
| ZS6 = 38 | - | - | - | - | 1* | - | - | - | - | - | - | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 7 | 3 | 2 | 1 | - |
| FR = 39 | - | - | 2* | 1* | 1* | - | 5 | 6 | 8 | 8 | 9 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 1 | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Nov., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 2* | 1* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 4 | 5 | 4 | 2* | 3* | 1* | - | - | - |
| W6 = 03 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 9 | 8 | 8 | 9 | 8 | 8 | 6 | 1* |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 5* | 5 | 2* | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 1 | 3 | 7 | 8 | 9 | 9 | 9 | 9 | 8 | 1* |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 9 | 7 | 2* |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9 | - | 1* | 2* | 1 | 6 | 9 | 9 | 9+ | 9+ | 6 | 1* | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 8 | - | - | 1* | 1* | 4 | 9 | 9 | 9 | 9 | 6 | 5* | - |
| HC = 10 | 4 | 2 | 1 | - | 1 | - | - | - | - | - | - | 2 | 1 | 1 | 1 | 3 | 6 | 9 | 9 | 9 | 9 | 8 | 6 | 4 |
| PY1 = 11 | 9+ | 8 | 5 | 1 | 3 | 1 | - | - | - | 9 | 9+ | 9 | 9 | 9+ | 9+ | 1 | 6 | 8 | 8 | 8 | 5 | 4* | 9+ | 9+ |
| CE = 12 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | - | - | 5 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| LU = 13 | 4 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 |
| G = 14 | - | - | - | - | - | - | - | - | 1 | - | - | 1 | - | - | - | 1 | - | 1 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 2* | 2* | 1* | 1* | - | - | 5 | 9 | 9+ | 5 | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 6 | 6 | 5 | 5 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | 1* | - | - | - | - | - | - | 8 | 8 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 1* | - | - | - | - | - | - | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 1* | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 5* |
| 4X = 20 | - | - | - | - | - | - | - | - | 1 | 2* | 2* | 1* | 1* | - | - | 2 | 7 | 5 | 9 | 5 | 1 | - | - | - |
| HZ = 21 | - | - | - | - | 1* | - | - | - | 7 | 5 | 3* | 5 | 7 | 8 | 9 | 9 | 9 | 8 | 5 | 3 | - | 1 | - | - |
| VU = 22 | - | 2* | - | 1 | - | - | 1 | 2 | 6 | 2 | 5* | 3 | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - |
| JT = 23 | 5* | 1* | - | - | - | - | - | - | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 4* | 2 | - | - | - | - | - | 1 | 3 | 5* | 6* | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | 6* |
| JA1 = 25 | 3* | 1* | - | - | - | - | - | - | 1 | 1* | - | - | - | - | - | - | - | - | - | - | - | 2* | 6* | 5* |
| HS = 26 | 4* | 4 | 1* | - | - | - | 1 | 1 | 2 | 5 | 5 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 1 | 1 | - | - | - | - |
| DU = 27 | 7 | 2* | - | - | 1* | - | 1 | 2 | 4 | 4* | 7* | 6 | 8 | 8 | 7 | 1 | - | - | - | - | - | - | 3* | 5* |
| YB = 28 | 4 | 1* | - | - | - | - | - | - | - | - | 5* | 6 | 8 | 8 | 8 | 8 | 7 | 5 | 1 | 1 | - | - | - | 1* |
| VK6 = 29 | 2* | 2* | 2* | - | - | - | - | - | - | 1* | 5* | 5* | 3* | 1* | 1* | - | - | - | - | - | - | - | - | 1* |
| VK3 = 30 | 5* | 3* | 1* | 1* | - | - | - | - | 1 | 6* | 4* | 3* | 2* | 1* | - | - | - | - | - | - | - | 2* | 4* | 4 |
| KH6 = 31 | 3 | 3 | 1 | 1 | - | - | - | - | 2* | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 6 | 3 |
| KH8 = 32 | 4 | 2 | - | - | 1 | - | - | - | 5* | 6 | 5 | 3* | 2* | - | - | - | - | 5 | 8 | 7 | 8* | 7 | 7 | 5 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | 6 | 9+ | 9+ | 9+ | 8 | 9 | 8 | 1 | 3 |
| SU = 34 | - | - | - | - | - | - | - | - | - | 1* | 2* | 1* | 1* | - | - | 1 | 6 | 7 | 6 | 9 | 7 | 7 | 5 | 1 |
| 6W = 35 | 5 | 1 | - | 5 | 1 | - | - | - | - | 1 | 7 | 8 | 8 | 8 | 8 | 7 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | 6 |
| D2 = 36 | 5 | - | - | - | - | - | 2 | - | 2 | 1 | 2 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | 1* | 1 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9+ | 5 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 2* | 2* | 4 | 9 | 9 | 9+ | 9 | 8 | 6 | 1 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | 1 | - | 1 | 1 | 5 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 5 | 1 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Nov., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 6 | 4 | 5 | 1 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 5 | 5 | 4 | 3* | 1 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 3* | 3* | 3* | 1 | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 2 | 8 | 8 | 7 | 6 | 6 | 1 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 5 | 7 | 8 | 8 | 8 | 5 | 1 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 2* | 2* | 2* | 4 | 6 | 9 | 5 | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 2* | 2* | 2* | 4 | 5 | 4* | 2* | 1* | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 4* | 5 | 6 | 7 | 6 | 3 | 2* | - |
| PY1 = 11 | 8 | 3 | - | - | - | - | - | - | - | 4 | 8 | 5 | 2 | 8 | 9+ | 9+ | 9 | 2* | 2 | 1 | 9+ | 9+ | 9+ | 9 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 9 | 9 | 9+ | 9+ | 9 | 9 | 6 | 1 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 9 | 9+ | 9+ | 9+ | 9 | 6 | 1 | 1* |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 3 | 4 | 5 | 2 | - | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | 9+ | 6 | 1 | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 9 | 2 | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | 1 | - | - | 2* | 1 | 3 | 5 | 7 | 8 | 2 | - | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | 4* | 1* | 8 | 6 | - | - | - | - | - | - | - | - | - | - |
| JT = 23 | 1* | - | - | - | - | - | - | - | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 3* | - | - | - | - | - | - | - | - | - | 2* | 7 | 2 | - | - | - | - | - | - | - | - | - | - | 2* |
| JA1 = 25 | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4* | 4* |
| HS = 26 | 1* | 1 | - | - | - | - | - | - | - | - | 2* | 5 | 8 | 8 | 7 | 3 | - | - | - | - | - | - | - | - |
| DU = 27 | 4 | - | - | - | - | - | - | - | - | - | 4* | 3* | 8 | 6 | 3 | - | - | - | - | - | - | - | - | 2* |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | 2 | 8 | 8 | 7 | 4 | 2 | - | - | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | 3* | 1* | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | 2* | 1* | - | 1* | - | - | - | - | - | 1* | 2* | 2* | - | - | - | - | - | - | - | - | - | - | 1* | 1 |
| KH6 = 31 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 5 | 1 | - |
| KH8 = 32 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 8 | 7 | 5 | 2 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 3 | 1 | 3 | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 2 | - | - | - | - |
| 6W = 35 | - | - | - | 1 | - | - | - | - | - | - | - | 2 | 6 | 6 | 5 | 4 | 3* | 4 | 4 | 1 | 1 | - | - | - |
| D2 = 36 | - | - | - | - | - | - | - | - | - | - | - | 1 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 7 | 5 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 4 | 6 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | 1* | 1* | 1* | 2 | 3 | 2 | 1 | 1 | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 3 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 160 Meters: Dec., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | 2 | 2 | 2 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | |
| W6 = 03 | - | 1 | 3 | 4 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 5 | 5 | 5 | 5 | 6 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| W3 = 05 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | |
| XE1 = 06 | 1 | 2 | 4 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TI = 07 | 3 | 4 | 5 | 5 | 5 | 5 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| VP2 = 08 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 3 |
| P4 = 09 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| HC = 10 | 2 | 3 | 3 | 4 | 4 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| PY1 = 11 | 9 | 9 | 9 | 9 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 6 | 9 |
| CE = 12 | 2 | 3 | 4 | 4 | 4 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LU = 13 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 |
| G = 14 | 5 | 5 | 4 | 4 | 4 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 |
| I = 15 | 4 | 4 | 4 | 4 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 4 |
| UA3 = 16 | 5 | 4 | 5 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| UN = 17 | 5 | 4 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 |
| UA9 = 18 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| 4X = 20 | 3 | 3 | 3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| HZ = 21 | 4 | 5 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 5 | 5 |
| VU = 22 | 4 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 3 |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 3 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 3 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 6 |
| SU = 34 | 3 | 4 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 3 |
| 6W = 35 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 2 | - | - | - | - | - | - | - | - | - | 3 | 6 | 9 | 9 | 9 | 9 |
| D2 = 36 | 9 | 9 | 9 | 9 | 9 | 6 | 5 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 9 | 9 | 9 |
| 5Z = 37 | 5 | 5 | 6 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| ZS6 = 38 | 6 | 6 | 6 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | 5 | 5 | 6 |
| FR = 39 | 5 | 5 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 5 |
| FJL = 40 | 4 | 3 | 3 | 4 | 4 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 5 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

160-meter signal strengths are estimated using 80-meter numbers, minus 3 S-units.

# 80 Meters: Dec., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 1 | 5 | 5 | 5 | 7 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| VO2 = 02 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 |
| W6 = 03 | 2 | 4 | 6 | 7 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| W9 = 04 | 8 | 8 | 8 | 8 | 9 | 8 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 |
| XE1 = 06 | 4 | 5 | 7 | 8 | 8 | 8 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| TI = 07 | 6 | 7 | 8 | 8 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| VP2 = 08 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 6 |
| P4 = 09 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 |
| HC = 10 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 8 | 9 | 9+ |
| CE = 12 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| LU = 13 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 6 |
| G = 14 | 8 | 8 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 7 |
| I = 15 | 7 | 7 | 7 | 7 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 7 | 7 | 7 |
| UA3 = 16 | 8 | 7 | 8 | 8 | 7 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 |
| UN = 17 | 8 | 7 | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 8 |
| UA9 = 18 | 5 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 |
| UA0 = 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 1 |
| 4X = 20 | 6 | 6 | 6 | 7 | 7 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 6 | 6 |
| HZ = 21 | 7 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 6 | 8 | 8 | 8 |
| VU = 22 | 7 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 8 | 6 |
| JT = 23 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 6 | 6 |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 4 | 1 |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 3 | 1 | - |
| HS = 26 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 6 |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 4 | 2 | - |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 5 | 1 |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH6 = 31 | - | - | - | - | 1 | 5 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 9 |
| SU = 34 | 6 | 7 | 7 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 4 | 5 | 6 | 6 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 5 | 1 | - | - | - | - | - | - | - | 1 | 6 | 9 | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 3 | - | - | - | - | - | - | - | - | - | 3 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 8 | 9 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 |
| ZS6 = 38 | 9 | 9 | 9 | 9 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 7 | 8 | 8 | 9 |
| FR = 39 | 8 | 8 | 6 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 7 | 8 | 8 | 8 |
| FJL = 40 | 7 | 6 | 6 | 7 | 7 | 7 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 8 | 8 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 40 Meters: Dec., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | UTC --> 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KL7 = 01 | 7 | 7 | 7 | 7 | 8 | 8 | 7 | 6 | 4 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 4 | 5 | 5 |
| VO2 = 02 | 8 | 9 | 9 | 8 | 9 | 9 | 7 | 8 | 8 | 5 | 1 | - | - | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 |
| W6 = 03 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 |
| W9 = 04 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 |
| W3 = 05 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 |
| XE1 = 06 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 |
| TI = 07 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 5 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 9 | 9 |
| HC = 10 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 5 | 1 | - | - | - | - | - | 1 | 6 | 8 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 |
| G = 14 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 |
| I = 15 | 8 | 9 | 9 | 9 | 8 | 9 | 6 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| UA3 = 16 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 2 | - | - | - | - | - | - | - | - | - | 4 | 4 | 8 | 8 | 8 | 8 | 9 |
| UN = 17 | 8 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 7 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 8 | 8 | 8 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 4 | 5 | 6 | 8 | 8 |
| UA0 = 19 | 6 | 2 | 2 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 7 | 7 | 6 |
| 4X = 20 | 8 | 9 | 8 | 2 | 7 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | 2 | 2 | 5 | 7 | 8 | 8 | 8 | 8 |
| HZ = 21 | 9 | 9 | 8 | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 8 | 9 | 9 | 9 |
| VU = 22 | 8 | 6 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 6 | 8 | 8 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 5 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 4 | 6 | 6 | 8 | 8 |
| VR2 = 24 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 7 | 7 | 5 |
| JA1 = 25 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 4 | 5 | 5 | 7 | 6 | 3 |
| HS = 26 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 7 |
| DU = 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 7 | 7 | 5 |
| YB = 28 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 7 | 7 |
| VK6 = 29 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 7 | 8 | 6 | 2 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - | - |
| KH6 = 31 | - | - | 2 | 6 | 7 | 8 | 8 | 8 | 4 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| KH8 = 32 | - | - | - | - | 1 | 5 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CN = 33 | 9+ | 9+ | 9+ | 9 | 9 | 3 | 6 | 9 | 5 | 1 | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 9 | 9 | 9 | 9 |
| SU = 34 | 8 | 9 | 9 | 8 | 6 | 8 | 6 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 5 | 7 | 8 | 8 | 8 | 8 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 | 2 | - | - | 1 | 4 | 6 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 4 | 1 | - | - | - | - | 2 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 9 | 9 | 7 | 4 | 1 | - | - | - | - | - | - | - | - | 2 | 5 | 8 | 8 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9+ | 9+ | 9 | 9 | 9 | 8 | 7 | 4 | 1 | - | - | - | - | - | - | - | 2 | 5 | 8 | 9 | 9 | 9 | 9 | 9+ |
| FR = 39 | 9 | 9 | 8 | 7 | 5 | 1 | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 8 | 9 | 9 | 9 | 9 |
| FJL = 40 | 9 | 8 | 8 | 6 | 3 | 2 | 3 | 5 | 5 | - | - | - | - | - | - | - | - | 3 | 6 | 8 | 8 | 8 | 9 | 8 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |

UTC --> * = Longpath

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 30 Meters: Dec., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | 7 | 7 | 7 | 6 | 4 | 2 | 2 | 4 | 3 | 2 | 1 | - | - | - | - | - | - | 2 | 4 | 5 | 6 | 6 | 7 | 7 |
| VO2 = 02 | 7 | 7 | 7 | 5 | 7 | 6 | 1 | 4 | 2 | 5 | 5 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 9 | 8 | 7 |
| W6 = 03 | 7 | 8 | 7 | 6 | 6 | 7 | 6 | 4 | 7 | 4 | 3 | - | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 7 |
| W9 = 04 | 9 | 8 | 8 | 7 | 8 | 8 | 7 | 5 | 8 | 6 | 5 | 2 | - | - | - | - | - | - | - | 2 | 5 | 6 | 8 | 8 |
| W3 = 05 | 7 | 6 | 7 | 5 | 7 | 8 | 5 | 3 | 6 | 5 | 4 | 2 | - | - | - | - | - | - | 1 | 4 | 7 | 8 | 9 | 9 |
| XE1 = 06 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | 5 | 8 |
| TI = 07 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 5 | 3 | 1 | 3 | 2 | - | - | - | - | - | - | - | 1 | 3 | 5 | 7 | 8 |
| VP2 = 08 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 1* | - | 8 | 7 | 3 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| P4 = 09 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 3 | - | 8 | 6 | 2 | 1 | - | - | - | - | - | 2 | 5 | 7 | 9 | 9 | 9 |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 3 | 1 | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 8 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 | 8 | 7 | 5 | 2 | 2 | 2 | 4 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ |
| CE = 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 6 | 4 | 1 | - | - | - | - | - | - | 1 | 2 | 5 | 7 | 8 | 8 |
| LU = 13 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 3 | 1 | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 |
| G = 14 | 9 | 9 | 9 | 7 | 8 | 1 | 1 | 7 | 5 | 2 | - | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 8 | 9 | 9 |
| I = 15 | 9 | 9 | 9 | 8 | 1 | - | 5 | 7 | 5 | 1 | - | - | - | - | - | 1 | 3 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| UA3 = 16 | 8 | 8 | 8 | 8 | 7 | 4 | 6 | 5 | 3 | 1 | - | - | - | - | - | 1 | 4 | 5 | 6 | 7 | 7 | 7 | 7 | 8 |
| UN = 17 | 8 | 8 | 7 | 7 | 7 | 5 | 2 | 1 | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| UA9 = 18 | 7 | 5 | 5 | 7 | 5 | 2 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | 3 | 5 | 7 | 7 | 8 | 8 | 8 |
| UA0 = 19 | 5 | 6 | 2 | 2 | 3 | 2 | 4 | 1 | 1 | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 5 | 3 | 1 | 2 |
| 4X = 20 | 8 | 9 | 7 | 1 | - | 6 | 6 | 5 | 2 | - | - | - | - | - | - | 2 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 8 |
| HZ = 21 | 9 | 8 | 4 | 1 | 6 | 5 | 5 | 2 | - | - | - | - | - | - | 1 | 2 | 1 | 6 | 8 | 8 | 9 | 9 | 9 | 9 |
| VU = 22 | 4 | - | 4 | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 7 | 7 | 6 | 8 | 8 | 8 |
| JT = 23 | 7 | 7 | 6 | 5 | 4 | 2 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 4 | 6 | 7 | 8 | 8 | 8 | 7 |
| VR2 = 24 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 5 | 7 | 6 | 7 | 2 | 5 |
| JA1 = 25 | 4 | 2 | 1 | - | 1 | 1 | 1 | 4 | 1* | 1* | - | - | - | - | - | - | 1 | 3 | 6 | 6 | 5 | 4 | 6 | 5 |
| HS = 26 | 5 | 7 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 7 | 8 | 8 | 8 | 8 | 3 |
| DU = 27 | 4 | 2 | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | 1 | 5 | 5 | 6 | 6 | 2 | - | 6 |
| YB = 28 | 7 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 7 | 8 | 8 | 8 | 8 | 8 |
| VK6 = 29 | 5 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 7 | 8 | 8 | 7 | 6 |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 5 | 5 | 4 | 1 | - |
| KH6 = 31 | 1 | 4 | 6 | 7 | 8 | 8 | 6 | 6 | 5 | 4 | - | - | - | - | - | - | - | - | 2* | 1* | - | - | - | - |
| KH8 = 32 | - | - | - | 1 | 5 | 7 | 7 | 7 | 6 | 3 | - | - | - | - | - | - | - | 1* | 1* | 1* | - | - | - | - |
| CN = 33 | 9 | 9 | 9 | 9 | 4 | - | - | 9 | 6 | 5 | 2 | - | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 |
| SU = 34 | 9 | 9 | 8 | 1 | - | 5 | 8 | 6 | 2 | 1 | - | - | - | - | - | 2 | 5 | 7 | 8 | 8 | 9 | 9 | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9 | 9 | 9 | 7 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 9 | 9 | 9 | 5 | 8 | 8 | 7 | 5 | 1 | - | - | - | - | - | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| ZS6 = 38 | 9 | 9 | 9 | 6 | 6 | 7 | 8 | 7 | 5 | 3 | 1 | - | - | - | 1 | 4 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| FR = 39 | 8 | 8 | 8 | 8 | 6 | 5 | 3 | 2 | - | - | - | - | - | - | - | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | 2 | 1 | - | - | - | - | - | - | 2 | 2 | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | 1 |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | | * = Longpath | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 6 dBi isotropic antennas.

# 20 Meters: Dec., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 8 | 5 | 2* | 3* | 2* | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 8 | 9 | 8 | 9 | 9 |
| VO2 = 02 | - | 1 | 1 | - | 3 | 1 | - | - | - | - | 4 | 7 | 5 | 4 | 2 | 4 | 5 | 7 | 9 | 9 | 8 | 7 | 5 | 1 |
| W6 = 03 | 9 | 7 | 2 | 2* | 1 | 1 | 1 | - | 6 | 6 | 1 | - | - | - | 2 | 1 | 2 | 8 | 4 | 5 | 6 | 8 | 9 | 9 |
| W9 = 04 | 8 | 6 | 2 | 1 | 1 | 4 | 1 | - | 2 | 7 | - | 2 | 5 | 4 | 2 | 2 | 3 | 6 | 6 | 8 | 8 | 9 | 9 | 9 |
| W3 = 05 | 4 | 1 | - | - | 2 | 6 | - | - | 5 | - | 1 | 8 | 6 | 4 | 3 | 4 | 5 | 7 | 7 | 8 | 9 | 9+ | 9 | 7 |
| XE1 = 06 | 9 | 7 | 6 | 7 | 8 | 8 | 4 | 1 | 8 | 7 | - | 2 | 5 | 3 | 5 | 2 | 3 | 3 | 1 | 4 | 7 | 8 | 9 | 9 |
| TI = 07 | 9 | 7 | 7 | 7 | 7 | 7 | 1 | - | - | - | - | 8 | 6 | 5 | 2 | 3 | 4 | 4 | 5 | 6 | 8 | 9 | 9 | 9 |
| VP2 = 08 | 9+ | 9 | 9 | 8 | 8 | 5 | - | - | 1* | - | 9 | 9 | 6 | 5 | 4 | 5 | 6 | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| P4 = 09 | 9+ | 9 | 9+ | 9 | 8 | 5 | 1* | - | - | - | 9 | 9 | 6 | 5 | 4 | 4 | 6 | 7 | 8 | 9 | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 9 | 8 | 8 | 7 | 3 | 2 | - | - | 6 | 7 | 5 | 4 | 3 | 3 | 4 | 5 | 6 | 8 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 1 | 9+ | 9+ | 9 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| CE = 12 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 7 | 9 | 9 | 9 | 8 | 6 | 5 | 4 | 3 | 2 | 4 | 7 | 8 | 9 | 9 | 9 | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9 | 9 | 9 | 9 | 8 | 7 | 5 | 5 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ |
| G = 14 | 2 | 2 | 4 | 6 | 1 | - | - | 5 | 9 | 8 | 6 | 2 | 1 | 1 | 4 | 6 | 8 | 9 | 5 | 8 | 6 | 4 | 2 | 3 |
| I = 15 | 9 | 9 | 7 | 1 | - | - | - | 9 | 9 | 7 | 6 | 4 | 2 | 3 | 5 | 8 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 |
| UA3 = 16 | 5 | 5 | 5 | 4 | 3 | 3* | 3* | 9 | 8 | 8 | 4 | 3 | 3 | 2 | 5 | 7 | 8 | 1 | 1 | 1 | 2 | 1 | 1 | 2 |
| UN = 17 | 8 | 5 | 5 | 8 | 6 | 4 | 6 | 6 | 4 | 5 | 1 | 2 | 2 | 2 | 5 | 4 | 1 | 3 | 3 | 2 | 3 | 6 | 8 | 8 |
| UA9 = 18 | 1* | - | 1* | 1* | 3 | 1* | 4 | 7 | 7 | 6 | 4 | 2 | 3 | - | - | - | - | - | - | - | 2 | 4 | 4 | 1 |
| UA0 = 19 | 2* | 7 | 7 | 6 | 2 | 3* | 5* | 8 | 6 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2* | 2* | 2* |
| 4X = 20 | 9 | 9 | 5 | 1* | 2* | 1* | 6 | 9 | 8 | 6 | 4 | 4 | 3 | 5 | 6 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| HZ = 21 | 9 | 8 | - | - | 4 | 4 | 7 | 8 | 6 | 4 | 3 | 3 | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 | 9 | 9 |
| VU = 22 | 1* | - | - | 9 | 6 | 4 | 5 | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 5 | 6 | 8 | 7 | 1 | - | - | - | 4 | 2 |
| JT = 23 | 1* | 2 | 7 | 7 | 3 | 2* | 4 | 6 | 5 | 6 | 2 | 2 | - | - | - | - | - | - | - | 1 | 4 | 5 | 2 | 1* |
| VR2 = 24 | 8 | 8 | 7 | 5 | 2 | 1 | 2 | 1 | 8 | 4* | 4* | 1* | - | 1 | 2 | 5 | 7 | 6 | 4 | 5 | 6 | 2 | 1* | 1* |
| JA1 = 25 | 8 | 7 | 4 | 4 | 2* | 4* | 5* | 6 | 7* | 6* | 2* | 1* | - | - | - | - | - | - | 1 | - | 1* | 2* | 2* | 5 |
| HS = 26 | 1* | 9 | 8 | 5 | 3 | 2 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 2 | 1* |
| DU = 27 | 9 | 8 | 6 | 3 | 1 | 1 | 1 | 1 | 8 | 5* | 5* | 1* | - | - | 2 | 4 | 7 | 8 | 7 | 6 | 2 | 1* | 1* | 4 |
| YB = 28 | 9 | 8 | 7 | 4 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | - | 1 | 2 | 5 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| VK6 = 29 | 9 | 8 | 6 | 5 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 4 | 6 | 7 | 8 | 7 | 6 | 7 | 5 | 4 | 7 |
| VK3 = 30 | 6 | 5 | 4 | 2 | 2 | 1 | 2 | 5 | 8 | 5 | 2 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 5 | 7 | 8 | 8 | 8 | 8 |
| KH6 = 31 | 6 | 8 | 9 | 9 | 8 | 5 | 2* | 3* | 4* | - | - | 1 | - | - | - | - | 2 | 2 | 6 | 7 | 5* | 4 | 4 | 5 |
| KH8 = 32 | 1 | 3 | 6 | 8 | 9 | 9 | 9 | 8 | 9 | 7 | 6 | 4 | 2 | - | - | 1 | 1 | 1* | 6 | 6* | 6* | 2* | - | - |
| CN = 33 | 9+ | 9+ | 7 | 5 | - | - | - | - | 9 | 9 | 8 | 6 | 5 | 5 | 6 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 9 | 7 | - | 2* | 1* | 5 | 9 | 8 | 7 | 5 | 4 | 4 | 5 | 6 | 8 | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 9 |
| 6W = 35 | 9+ | 9+ | 9 | 9+ | 9 | 2 | 2 | 8 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | 8 | 7 | 3 | 1* | 1 | 2 | 8 | 9 | 8 | 7 | 6 | 4 | 4 | 5 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| ZS6 = 38 | 8 | 2 | 1 | 1* | 1* | 1* | 6 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| FR = 39 | 9 | 8 | 7 | 8 | 5 | 6 | 8 | 7 | 6 | 4 | 4 | 3 | 2 | 5 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| FJL = 40 | - | - | - | 1* | 2* | 2* | 1* | - | - | 1 | 6 | 5 | 4 | 3 | 4 | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 12 dBi isotropic antennas.

# 17 Meters: Dec., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 4 | 2* | 2* | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 8 | 8 | 7 |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 8 | 5 | 5* | 3* | - |
| W6 = 03 | 8 | 1 | - | - | - | - | - | - | 1 | 2 | - | - | - | - | 1 | 6 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 |
| W9 = 04 | 4* | - | - | - | - | - | - | - | - | 1 | - | - | 4 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | 1 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 4* |
| XE1 = 06 | 3 | 2* | - | - | 1 | 4 | - | - | 2 | 1 | - | - | 6 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 9+ | 9 |
| TI = 07 | 4 | 1* | - | - | 1 | 1 | - | - | - | - | - | 5 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9 |
| VP2 = 08 | 2 | 2 | 1 | - | - | - | - | - | - | - | 9+ | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 8 |
| P4 = 09 | 9 | 6 | 5 | - | 1 | - | - | - | - | - | 7 | 9 | 8 | 7 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ |
| HC = 10 | 9 | 9 | 8 | 5 | 5 | 2 | 1* | - | - | - | - | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 8 | 9 | 8 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 7 | 9 | 1* | 2 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 |
| CE = 12 | 9+ | 9+ | 9+ | 9 | 8 | 7 | 2 | 5* | 4* | 4 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ |
| LU = 13 | 9+ | 9+ | 9+ | 8 | 8 | 6 | 2 | 5* | 4* | 6 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| G = 14 | - | - | - | - | - | - | - | - | 4 | 9 | 9 | 8 | 7 | 6 | 7 | 8 | 9 | 2 | 4 | 1 | - | - | - | - |
| I = 15 | 4 | 2 | - | - | - | - | - | 1* | 9+ | 9 | 8 | 6 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9+ | 9 | 7 | 6 | 5 |
| UA3 = 16 | - | - | - | - | - | - | 2* | 3 | 9 | 9 | 9 | 7 | 8 | 8 | 8 | 8 | 1 | - | - | - | - | - | - | - |
| UN = 17 | 1 | 2* | 3* | 3 | 2* | 2* | 4 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | - | - | - | - | - | - | - | 2 | 3 |
| UA9 = 18 | - | 3* | 2* | 2* | 3* | 2* | 1* | 5 | 8 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 3* | 2* | 2 | 3 | 4* | 2* | 4* | 6 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5* | 4* |
| 4X = 20 | 9 | 3 | - | - | 2* | 4* | 1* | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 9 | 9 | 5 | 9 |
| HZ = 21 | 6 | 2 | - | 4* | 2* | 2* | 2 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| VU = 22 | - | 2* | 2* | 7 | 3 | 1 | 5 | 7 | 7 | 6 | 8 | 5 | 7 | 8 | 8 | 8 | 4 | - | - | - | - | - | - | - |
| JT = 23 | 4* | 2* | 2* | 3 | 3* | 3* | 3* | 7 | 8 | 8 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 7 | 8 | 4 | 3 | 2* | 1* | 2 | 5 | 5 | 6 | 6* | 6 | 5 | 6 | 6 | 5 | 4 | 1 | - | - | 1 | - | 1* | 4* |
| JA1 = 25 | 6 | 2 | 2* | 3* | 5* | 4* | 3* | 8 | 6* | 7* | 2* | - | - | - | - | - | - | - | - | - | - | 4* | 5* | 3* |
| HS = 26 | 3* | 7 | 3 | 2 | 1* | - | 3 | 5 | 7 | 7 | 8 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 4 | - | 1* |
| DU = 27 | 9 | 7 | 3* | 3* | 2* | 1* | 3 | 4 | 6 | 7* | 6* | 5* | 6 | 6 | 8 | 7 | 6 | 1 | - | - | - | - | 2* | 4* |
| YB = 28 | 8 | 7 | 1 | 1 | - | - | 1 | 3 | 6 | 7 | 7 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 5 | 7 |
| VK6 = 29 | 6 | 6 | 2* | 2 | 1 | - | 3 | 5 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 5* | 4* | 2* | - | - | - | 5* | 5* |
| VK3 = 30 | 8 | 6 | 3 | 3 | 1 | - | 2 | 5 | 7 | 7 | 6 | 6 | 4 | 2* | 2* | 4* | 4* | 4* | 2* | 2* | 5* | 8 | 9 | 8 |
| KH6 = 31 | 8 | 8 | 8 | 5 | 3 | - | 1* | 3* | 4* | 4* | 2* | - | - | - | - | - | - | 5 | 6 | 8* | 8* | 7 | 7 | 7 |
| KH8 = 32 | 5 | 7 | 8 | 8 | 8 | 8 | 7 | 6 | 7* | 9 | 9 | 8 | 6 | 3 | 1 | 1 | 4 | 5 | 5 | 8* | 8* | 7* | 5 | 5 |
| CN = 33 | 8 | 2 | - | - | - | - | - | - | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| SU = 34 | 9 | 2 | 1 | - | 2* | 4* | 1* | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 |
| 6W = 35 | 9+ | 8 | 2 | 6 | 2 | - | - | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| D2 = 36 | 9+ | 9 | 9 | 8 | 4 | 3 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | 2* | 1* | - | 2 | 7 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 1 |
| ZS6 = 38 | - | - | - | 1* | 1* | - | - | - | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 2 |
| FR = 39 | 4 | 4 | 1 | 3 | 1 | 1 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 15 Meters: Dec., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | 3* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 6* | 6* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 8 | 6 | 5* | 5* | 4* | - | - |
| W6 = 03 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| W9 = 04 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 6* |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 6* | 4* |
| XE1 = 06 | 2* | - | - | - | - | - | - | - | - | - | - | - | - | 8 | 6 | 7 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 7 |
| TI = 07 | 1* | - | - | - | - | - | - | - | - | - | - | - | 8 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 9+ | 9 | 6 |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | 4 | 9+ | 8 | 5 | 5 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 8 | 1 |
| P4 = 09 | 1 | - | - | - | - | - | - | - | - | - | - | 9 | 6 | 5 | 5 | 5 | 8 | 9 | 9 | 9+ | 9 | 9 | 9 | 8 |
| HC = 10 | 9 | 6 | 2 | - | 1 | - | - | - | - | - | - | 8 | 6 | 5 | 5 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| PY1 = 11 | 9+ | 9+ | 9+ | 9 | 9 | 8 | 4 | 1 | - | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 8 | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 9+ | 9+ |
| CE = 12 | 9 | 9 | 7 | 4 | 5 | 2 | - | 4* | 1* | 1* | 3 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 |
| LU = 13 | 7 | 7 | 5 | 1 | 3 | 1 | - | 4* | 1* | 1* | 4 | 5 | 2 | 7 | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 8 |
| G = 14 | - | - | - | - | - | - | - | - | 1 | - | 8 | 7 | 7 | 6 | 7 | 8 | 3 | 5 | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | 5 | 9 | 8 | 7 | 4 | 4 | 8 | 9 | 9 | 9 | 9 | 6 | 3 | 1 | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | 1* | 8 | 9 | 8 | 8 | 8 | 7 | 7 | 2 | - | - | - | - | - | - | - | - |
| UN = 17 | - | 1* | 5* | 3* | 3* | 1* | - | 5 | 9 | 8 | 7 | 5 | 4 | 2 | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | 1* | 5* | 2* | 2* | 1* | - | 1* | 8 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 5* | 3* | 3* | 2* | 2* | 1* | 1* | 2* | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 6* | |
| 4X = 20 | 3 | - | - | - | - | 2* | 1* | 1 | 9 | 8 | 5 | 5 | 5 | 5 | 6 | 9 | 9 | 9+ | 9 | 2 | 9 | 9 | 7 | 5 |
| HZ = 21 | 1 | - | - | 1* | 3* | 1* | - | 1 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 6 | 6 | 5 | 4 |
| VU = 22 | - | 4* | 3* | 2 | 1* | 1* | 2 | 7 | 8 | 8 | 6 | 7 | 8 | 6 | 6 | 1 | - | - | - | - | - | - | - | - |
| JT = 23 | 2* | 5* | 3* | 2* | 3* | 2* | 1* | 1 | 8 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 4* | 4* | 3* | 1* | 1* | 1* | 1 | 4 | 6 | 6* | 5* | 6 | 6 | 5 | 2 | 2 | 1 | - | - | - | - | - | - | 5* |
| JA1 = 25 | 4* | 3* | 3* | 1* | 2* | 1* | - | 2 | - | 4* | - | - | - | - | - | - | - | - | - | - | - | 4* | 6* | 4* |
| HS = 26 | 4* | 5* | 2* | - | - | - | 2 | 3 | 6 | 6 | 6 | 8 | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 5 | 2 | - | - | 1* |
| DU = 27 | 7 | 4* | 2* | 1* | 1* | - | 1 | 4 | 5 | 7* | 6* | 5 | 6 | 7 | 6 | 4 | - | - | - | - | - | - | 3* | 4* |
| YB = 28 | 6 | 2* | - | - | - | - | - | - | 4 | 4 | 7* | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | 8 | 5 | 1 | - | 4 |
| VK6 = 29 | 5* | 2* | - | - | - | - | - | - | 2 | 5 | 6* | 5 | 4* | 3* | 3* | 3* | 4* | 1* | - | - | - | - | 1* | 6* |
| VK3 = 30 | 6 | 2 | - | 1 | - | - | - | - | 6 | 7 | 5 | 5* | 4* | 3* | 3* | 3* | 3* | 1* | - | - | 1* | 5* | 6 | 7 |
| KH6 = 31 | 6 | 4 | 1 | - | - | - | - | 1* | 5* | 2* | - | - | - | - | - | - | - | 6 | 7 | 8 | 8 | 7 | 7 | 6 |
| KH8 = 32 | 5 | 6 | 7 | 6 | 7 | 6 | 3 | 2 | 8* | 8* | 8 | 7 | 2 | - | - | - | - | 6 | 6 | 7 | 8* | 7* | 6* | 5 |
| CN = 33 | 2 | - | - | - | - | - | - | - | - | 6 | 9 | 9 | 5 | 4 | 6 | 9 | 9+ | 9+ | 9+ | 9+ | 7 | 4 | 4 | 6 |
| SU = 34 | 5 | - | - | - | - | 2* | 1* | - | 9 | 8 | 3 | 5 | 5 | 5 | 6 | 9 | 9 | 9+ | 9 | 9+ | 9+ | 9+ | 9 | 7 |
| 6W = 35 | 8 | 1 | - | 1 | - | - | - | - | 5 | 9+ | 9+ | 9 | 9 | 8 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 9 | 9 |
| D2 = 36 | 8 | 3 | 6 | 2 | - | - | 3 | 1 | 8 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ |
| 5Z = 37 | - | - | - | - | - | - | - | - | 2 | 1 | 1 | 8 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 5 | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | 9 | 9 | 9 | 9 | 9+ | 9+ | 9+ | 9 | 8 | 6 | 4 | - | - |
| FR = 39 | - | 1* | - | - | - | - | 2 | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 4 | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 12 Meters: Dec., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 2* |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 6 | 6 | 5 | 4 | 2* | 4* | 1* | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 8 | 8 | 8 | 8 | 9 | 8 | 5 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 7 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 5 | 1* |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 7 | 8 | 7 | 7 | 7 | 5 | 5* | 5* | 3* | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 8 | 1* |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 8 | 6 | 1* |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 9 | 2 | 1 | 1 | 2 | 4 | 7 | 9 | 9 | 9+ | 6 | 1* | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | 6 | 1 | 1 | 1 | 1 | 2 | 5 | 7 | 8 | 7 | 6* | 5* | - |
| HC = 10 | 4 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 2 | 4 | 4 | 6 | 7 | 8 | 9 | 9 | 8 | 6 |
| PY1 = 11 | 9 | 8 | 6 | 2 | 6 | 2 | - | - | - | 3 | 8 | 7 | 9 | 9 | 9+ | 9+ | 5 | 6 | 6 | 6 | 4* | 9+ | 9+ | 9 |
| CE = 12 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | 9 | 9 | 9 | 9 | 9+ | 9 | 9 | 8 | 4 |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 | 9+ | 9+ | 9 | 8 | 5 | 2* |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | 4 | - | - | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | 2 | 9 | 9 | 5 | 1 | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | 2 | 5 | 6 | 5 | 3 | 2 | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | 1* | - | 1* | - | - | - | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | 1* | - | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 5* | 2* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* |
| 4X = 20 | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 9 | 5 | 3 | 2 | 1 | - |
| HZ = 21 | - | - | - | - | 1* | - | - | - | 7 | 6 | 2 | 6 | 7 | 8 | 8 | 8 | 9 | 7 | 5 | 1 | - | 1 | - | - |
| VU = 22 | - | 1* | 1* | - | - | - | - | - | 5 | 2 | 3* | 5 | 8 | 6 | - | - | - | - | - | - | - | - | - | - |
| JT = 23 | - | 2* | 1* | - | 1* | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | 2* | 2* | 1* | - | - | - | - | - | 1 | - | 3* | 6 | 5 | 2 | - | - | - | - | - | - | - | - | - | 4* |
| JA1 = 25 | 1* | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7* | 3* |
| HS = 26 | 3* | 1* | - | - | - | - | - | - | - | 4 | 4 | 7 | 8 | 8 | 6 | 5 | 4 | 3 | - | - | - | - | - | - |
| DU = 27 | 3 | 1* | - | - | - | - | - | - | 1 | 1 | 3* | 6 | 7 | 5 | 1 | - | - | - | - | - | - | - | 2* | 4* |
| YB = 28 | 2 | - | - | - | - | - | - | - | - | - | 3* | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 2 | - | - | - | - |
| VK6 = 29 | 1* | - | - | - | - | - | - | - | - | - | 5* | 5* | 3* | 3* | 3* | 1* | - | - | - | - | - | - | - | - |
| VK3 = 30 | 3* | 1* | - | - | - | - | - | - | 1 | 4* | 3* | 3* | 3* | 4* | 2* | 1* | 1* | - | - | - | - | - | 2* | 4* |
| KH6 = 31 | 1 | - | - | - | - | - | - | - | 1* | - | - | - | - | - | - | - | - | 2 | 7 | 8 | 8 | 8 | 6 | 2 |
| KH8 = 32 | 2 | 2 | 1 | - | 4 | 1 | - | - | 5* | 6* | 6 | 4 | - | - | - | - | - | 1 | 6 | 8 | 7 | 6 | 6 | 3 |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 2 | 6 | 8 | 7 | 4 | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | 1* | 1 | 1 | 1 | 1 | 3 | 6 | 7 | 9 | 9 | 8 | 6 | 4 | 1 |
| 6W = 35 | 2 | - | - | - | - | - | - | - | - | 4 | 6 | 7 | 8 | 7 | 6 | 6 | 4 | 4 | 5 | 7 | 2 | - | 1 | 6 |
| D2 = 36 | 1 | - | 1 | - | - | - | - | - | - | - | - | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 6 |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | 1* | 3 | 7 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | 1* | 3 | 6 | 7 | 7 | 7 | 7 | 6 | 4 | 1 | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | 1 | 4 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 6 | 1 | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.

# 10 Meters: Dec., Ascension Island, for SSN = Very Low, Sigs in S-Units. (c) 2010 Dean Straw, N6BV

| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTC --> | | | | | | | | | | | | | | | | | | | | | | | |
| KL7 = 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VO2 = 02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | 1* | 1* | - | - | - | - |
| W6 = 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 6 | 7 | 7 | 7 | 5 | 1 |
| W9 = 04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 7 | 7 | 7 | 5 | 4* | 1 | - |
| W3 = 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 2 | 2 | 3 | 2 | 2* | 3* | 2* | - | - |
| XE1 = 06 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 | 8 | 6 | 4 | 5 | 5 | 2 | - |
| TI = 07 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 2 | 4* | 5 | 4* | 5 | 7 | 4* | 1 | - |
| VP2 = 08 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 2* | 4* | 3* | 4 | 4 | 3 | - | - | - |
| P4 = 09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 2* | 3* | 4* | 4 | 4* | 4* | 1* | - |
| HC = 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1* | 4* | 2* | 2 | 5 | 6 | 5 | 5 | 3 | 1 |
| PY1 = 11 | 2 | 2 | - | - | 1 | - | - | - | - | - | 1 | - | 5 | 8 | 9 | 9+ | 9+ | 9+ | 9+ | 9+ | 9+ | 9 | 8 | 5 |
| CE = 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | 9 | 9 | 9 | 9 | 8 | 6 | 2* | - |
| LU = 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 6 | 9 | 9 | 9 | 7 | 5 | 2 | 1* | - |
| G = 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 2 | - | - | - | - | - | - | - | - |
| I = 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9 | 6 | 1 | - | - | - | - | - |
| UA3 = 16 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UN = 17 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA9 = 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UA0 = 19 | 1* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4X = 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 9 | 3 | - | - | - | - | - |
| HZ = 21 | - | - | - | - | - | - | - | - | - | - | - | 4 | 5 | 6 | 6 | 7 | 5 | 2 | - | - | - | - | - | - |
| VU = 22 | - | - | - | - | - | - | - | - | - | - | 1* | 2 | 5 | - | - | - | - | - | - | - | - | - | - | - |
| JT = 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VR2 = 24 | - | - | - | - | - | - | - | - | - | - | - | 5 | 1 | - | - | - | - | - | - | - | - | - | - | 1* |
| JA1 = 25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2* | 1* |
| HS = 26 | - | - | - | - | - | - | - | - | - | - | - | 6 | 5 | 3 | - | 1 | - | - | - | - | - | - | - | - |
| DU = 27 | - | - | - | - | - | - | - | - | - | - | - | 4 | 2 | - | - | - | - | - | - | - | - | - | - | 1* |
| YB = 28 | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | 8 | 7 | 6 | 5 | 4 | 1 | - | - | - | - | - |
| VK6 = 29 | - | - | - | - | - | - | - | - | - | - | 2* | 1* | 1* | 1* | 1* | - | - | - | - | - | - | - | - | - |
| VK3 = 30 | - | - | - | - | - | - | - | - | - | - | 1* | 2* | 1* | 1* | 1* | - | - | - | - | - | - | - | - | 1* |
| KH6 = 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 6 | 7 | 4* | 1 | - |
| KH8 = 32 | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | 1 | 5 | 7 | 6 | 2 | - |
| CN = 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SU = 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 6 | 2 | 1 | - | - | - |
| 6W = 35 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | 2 | 2* | 1* | - | - | - | - | - | 1 |
| D2 = 36 | - | - | - | - | - | - | - | - | - | - | - | 7 | 9 | 9 | 9+ | 9+ | 9+ | 9+ | 9 | 9 | 9 | 8 | 5 | - |
| 5Z = 37 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 5 | 5 | 5 | 5 | 5 | 2 | 4 | 6 | 2 | - | - |
| ZS6 = 38 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1* | - | - | - | - | - | - |
| FR = 39 | - | - | - | - | - | - | - | - | - | - | - | 5 | 8 | 8 | 8 | 8 | 7 | 6 | 5 | 2 | 1 | - | - | - |
| FJL = 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zone | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | UTC --> | | | | | | * = Longpath | | | | | | | | | | | | | | | | | |

Expected signal levels using 1500 W and 14 dBi isotropic antennas.