

# ARRL World Above 50 MHz Standings

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\* = Includes EME --- = Not Provided

## 50 MHz

### 50 MHz Standings

|           |           |       | States | DXCC   | Grids  | DX     |
|-----------|-----------|-------|--------|--------|--------|--------|
|           | Call sign | State | Worked | Worked | Worked | (km)   |
| Call Area |           |       |        |        |        |        |
| <b>1</b>  |           |       |        |        |        |        |
|           | K1SG*     | MA    | ---    | 161    | 570    | ---    |
|           | K1TOL     | ME    | 50     | 190    | 1505   | 15,185 |
|           | K1SIX *   | NH    | 50     | 188    | 1216   | 17,188 |
|           | W3EP/1    | CT    | 50     | 160    | 1182   | 15,552 |
|           | W1JR      | NH    | 50     | 156    | 839    | 14,455 |
|           | K1AC      | NH    | 50     | 156    | ---    | 14,535 |
|           | K1MS      | MA    | 50     | 147    | ---    | 14,696 |
|           | W1AIM     | VT    | 50     | 138    | 576    | 14,928 |
|           | K1AE      | MA    | 50     | 127    | ---    | ---    |
|           | W1IPL     | ME    | 50     | 121    | ---    | 14,835 |
|           | WA1EAZ    | MA    | 50     | 108    | 506    | 11,018 |
|           | K1CA      | NH    | 50     | 105    | ---    | ---    |
|           | K1DG      | NH    | 50     | 104    | ---    | 11,752 |
|           | KT1J      | VT    | 50     | 99     | 606    | 11,622 |
|           | K1WVX     | CT    | 48     | 82     | 425    | 14,663 |
|           | NE1B      | NH    | 47     | 83     | 398    | 8,699  |
|           | WA1RKS    | MA    | 46     | 47     | 295    | 9,244  |
|           | W1DYJ     | MA    | 46     | 36     | 307    | 6,999  |
|           | W1ATV     | CT    | 45     | 44     | 335    | ---    |
|           | WA1FVJ    | CT    | 43     | 23     | 187    | 6,400  |
|           | KX9X      | CT    | 37     | 81     | 256    | ---    |
| <b>2</b>  |           |       |        |        |        |        |
|           | K2ZD*     | NJ    | 50     | 210    | 1005   | 15,610 |
|           | K2MUB     | NY    | 50     | 165    | ---    | 16,784 |
|           | K2AXX     | NY    | 50     | 157    | 1012   | 14,438 |
|           | W2CNS     | NY    | 50     | 134    | 654    | 15,120 |
|           | NY2NY     | NY    | 50     | 124    | 595    | 13,124 |
|           | K2QE      | NY    | 50     | 123    | 732    | ---    |

|          |           |    |     |     |      |        |
|----------|-----------|----|-----|-----|------|--------|
|          | W2MPK     | NY | 50  | 115 | ---  | ---    |
|          | K1JT      | NJ | 50  | 111 | 738  | 14,150 |
|          | K2SIX     | NJ | 50  | 96  | 346  | 3,918  |
|          | AG2A      | NY | 47  | 62  | 390  | 8,777  |
| <b>3</b> |           |    |     |     |      |        |
|          | W1DGA     | MD | --- | 69  | 230  | ---    |
|          | W3JO      | PA | 50  | 160 | ---  | 14,929 |
|          | W3NZL     | MD | 50  | 153 | ---  | 15,858 |
|          | AE3T      | PA | 50  | 151 | ---  | 16,664 |
|          | N3DB      | MD | 50  | 149 | 1062 | 15,083 |
|          | W3VZ      | MD | 50  | 148 | 823  | 14,038 |
|          | W3TC      | PA | 50  | 143 | 866  | 15,221 |
|          | N3II (sk) | MD | 50  | 134 | 793  | 15,876 |
|          | W3CMP     | PA | 50  | 134 | ---  | 10,848 |
|          | W3UR      | MD | 50  | 127 | 735  | 10,590 |
|          | AK3E      | MD | 50  | 123 | 836  | ---    |
|          | NZ3M      | PA | 49  | 118 | 561  | 13,953 |
|          | WA2FGK    | PA | 49  | 1   | 444  | 7,000  |
|          | K3WC      | PA | 48  | 105 | 534  | 10,808 |
|          | K3TUF     | PA | 47  | 48  | 348  | ---    |
|          | N3TEE     | DE | 46  | 16  | 200  | 5,496  |
|          | N3JNX     | PA | 39  | 10  | 199  | 5,843  |
| <b>4</b> |           |    |     |     |      |        |
|          | K4MM      | FL | 50  | 160 | 570  | 16,326 |
|          | K4PI      | GA | 50  | 153 | 1135 | 13,274 |
|          | N4MM      | VA | 50  | 147 | 1005 | ---    |
|          | K6EID     | GA | 50  | 146 | 1110 | 14,556 |
|          | W4TJ      | VA | 50  | 145 | 829  | 15,688 |
|          | WA4NJP    | GA | 50  | 143 | ---  | 16,263 |
|          | W4UM      | FL | 50  | 142 | ---  | ---    |
|          | K4QI      | NC | 50  | 136 | 1014 | ---    |
|          | K4MQG     | SC | 50  | 136 | 397  | ---    |
|          | WA4LOX    | FL | 50  | 134 | ---  | 15,664 |
|          | NN4X      | FL | 50  | 132 | ---  | ---    |
|          | K4ZOO     | VA | 50  | 128 | 850  | 15,708 |
|          | N3LL      | FL | 50  | 125 | 900  | 15,211 |
|          | K4RWP     | TN | 50  | 116 | 767  | 15,228 |
|          | K4WS      | TN | 50  | 112 | 320  | 13,295 |
|          | K4AR      | TN | 50  | 111 | 409  | ---    |
|          | W4WA      | GA | 50  | 110 | 348  | 9,860  |

|   |         |    |     |     |      |        |
|---|---------|----|-----|-----|------|--------|
|   | AA4H    | TN | 50  | 109 | 721  | 12,580 |
|   | KB4ET   | FL | 50  | 106 | ---  | ---    |
|   | KD5M    | FL | 50  | 103 | 338  | ---    |
|   | N9HF    | FL | 50  | 100 | 122  | 11,724 |
|   | K4RF    | GA | 50  | 69  | 375  | 16,288 |
|   | K5WTA   | FL | 50  | 60  | ---  | ---    |
|   | K4UTE   | FL | 49  | 113 | 366  | 11,508 |
|   | K4YMQ   | AL | 49  | 106 | 729  | 10,935 |
|   | K4AVO   | NC | 49  | 80  | ---  | 9,993  |
|   | K4RTS   | VA | 49  | 35  | 300  | 11,668 |
|   | K1HTV   | VA | 48  | 157 | 944  | 15,285 |
|   | W4AS    | FL | 48  | 78  | 477  |        |
|   | AD4TJ   | VA | 48  | 26  | 361  | 6,449  |
|   | N4HN    | NC | 47  | 1   | 420  | ---    |
|   | K2BLA * | FL | 40  | 53  | 263  | ---    |
|   | K4MSG   | VA | 37  | 4   | 131  | 3,296  |
|   | W4SW    | VA | 33  | 88  | 208  | 11,905 |
|   | W4SO    | GA | --- | 136 | ---  | ---    |
| 5 |         |    |     |     |      |        |
|   | W5OZI   | TX | 50  | 171 | 1190 | 15,131 |
|   | K5UR    | AR | 50  | 152 | 1273 | ---    |
|   | WD5K    | TX | 50  | 151 | 1202 | 14,924 |
|   | K5AM    | NM | 50  | 147 | 860  | 17,861 |
|   | AA5AM   | TX | 50  | 144 | 1061 | 14,963 |
|   | K5SW    | OK | 50  | 143 | ---  | 16,746 |
|   | N5DG*   | TX | 50  | 133 | 202  | ---    |
|   | W5HNC * | TX | 50  | 130 | 874  | 14,815 |
|   | WB5HJV  | TX | 50  | 122 | ---  | 15,106 |
|   | W5ADD*  | LA | 50  | 114 | 759  | 17,252 |
|   | W4UDH   | MS | 50  | 109 | 907  | 13,903 |
|   | W5UWB * | TX | 50  | 107 | 300  | ---    |
|   | W5LUA * | TX | 50  | 102 | ---  | ---    |
|   | K5YY    | AR | 50  | 91  | 651  | 11,100 |
|   | W5KI    | AR | 50  | 89  | 561  | 12,946 |
|   | WA5LFD  | TX | 50  | 68  | 531  | ---    |
|   | WA5VJB  | TX | 50  | 56  | ---  | ---    |
|   | AF5CC   | OK | 50  | 45  | 450  | ---    |
|   | K5YPV   | MS | 50  | 35  | 317  | 8,759  |
|   | W5WVO   | NM | 50  | 29  | 566  | 9,909  |
|   | K0XXX   | AR | 49  | 28  | 356  | 10,521 |

|          |             |    |    |     |      |        |
|----------|-------------|----|----|-----|------|--------|
|          | W5TFW       | LA | 49 | 26  | 333  | ---    |
|          | K5QE        | TX | 49 | 9   | 227  | 7,551  |
|          | K5LLL       | TX | 48 | 44  | 370  | 13,323 |
|          | N5LJL       | OK | 48 | 22  | 335  | 6787   |
|          | N5KDA       | MS | 44 | 20  | 270  | ---    |
| <b>6</b> |             |    |    |     |      |        |
|          | K6QXY *     | CA | 50 | 184 | ---  | 15,555 |
|          | N6CA        | CA | 50 | 131 | 500+ | 18,464 |
|          | N6JV*       | CA | 50 | 124 | 814  | 10529  |
|          | W6BYA       | CA | 50 | 117 | 726  | 16,644 |
|          | KR7O *      | CA | 50 | 109 | 749  | 12,783 |
|          | K6KLY*      | CA | 50 | 108 | ---  | 15,806 |
|          | KB6NAN (SK) | CA | 50 | 91  | 782  | 16,638 |
|          | W6TOD       | CA | 50 | 80  | ---  | ---    |
|          | N6ZE        | CA | 50 | 70  | 330  | ---    |
|          |             |    |    |     |      |        |
| <b>7</b> |             |    |    |     |      |        |
|          | W7GJ *      | MT | 50 | 208 | 713  | 16,496 |
|          | W7RV        | AZ | 50 | 140 | 1123 | 18,227 |
|          | AA7A*       | AZ | 50 | 136 | 895  | 18,150 |
|          | WA7JTM      | AZ | 50 | 127 | 854  | 18,138 |
|          | W7KNT       | MT | 50 | 121 | 830  | 15,557 |
|          | K7CW *      | WA | 50 | 113 | 784  | 15,296 |
|          | W7MEM*      | ID | 50 | 97  | 741  | 16,030 |
|          | W7FI        | WA | 50 | 90  | ---  | 15,454 |
|          | N7HD        | AZ | 50 | 69  | ---  | ---    |
|          | N7IR        | AZ | 50 | 58  | 595  | 13,285 |
|          | WO7R        | AZ | 50 | 51  | 522  | 11,682 |
|          | K7MCX       | WA | 50 | 34  | 638  | --     |
|          | K7AWB       | WA | 50 | 28  | 497  | 7,983  |
|          | W7EME       | OR | 50 | --- | 658  | ---    |
|          | KC1BB       | AZ | 25 | 4   | 75   | 4,760  |
| <b>8</b> |             |    |    |     |      |        |
|          | K8MFO       | OH | 50 | 167 | ---  | ---    |
|          | W7JW        | MI | 50 | 155 | 833  |        |
|          | K8XNI       | OH | 50 | 120 | ---  | 14,100 |
|          | W8UV        | OH | 50 | 116 | 350  | 12,349 |
|          | W8PAT*      | OH | 50 | 114 | 512  | 13,459 |
|          | K4OM        | WV | 50 | 110 | ---  | 15,533 |
|          | W8TN        | WV | 50 | 107 | 506  | 12,436 |

|          |            |    |    |     |      |        |
|----------|------------|----|----|-----|------|--------|
|          | N8JX       | MI | 50 | 107 | ---  | ---    |
|          | N4DB       | OH | 50 | 91  | 487  | 11,037 |
|          | KB8VAO     | OH | 50 | 88  | 524  | ---    |
|          | K8ROX      | OH | 50 | 85  | 620  | 11,037 |
|          | WA8RJF     | OH | 50 | 84  | 587  | 15,365 |
|          | KF6A       | MI | 50 | 82  | 635  | 13,444 |
|          | N8WNA      | MI | 50 | 39  | 498  | 7,227  |
|          | N8CJK      | MI | 50 | --- | ---  | ---    |
|          | N8PUM      | MI | 49 | 25  | 338  | 5,589  |
|          | K2YAZ      | MI | 36 | 4   | 177  | 5,780  |
| <b>9</b> |            |    |    |     |      |        |
|          | W9RPM      | WI | 50 | 132 | 838  | 16,059 |
|          | W9RM*      | IL | 50 | 126 | 889  | 13,712 |
|          | W9VHF      | IN | 50 | 119 | 728  | 13,766 |
|          | W9JUV (SK) | IL | 50 | 109 | 400  | 15,903 |
|          | W9VA       | IL | 50 | 104 | 560  | 13,670 |
|          | KC9KBB     | IL | 50 | 102 | ---  | 14,050 |
|          | K9CT       | IL | 50 | 91  | 662  | ---    |
|          | AJ9C       | IN | 50 | 90  | 413  | 10,779 |
|          | KX9X       | IL | 50 | 81  | 397  | ---    |
|          | K9MU       | WI | 50 | 63  | 540  | 10,447 |
|          | WA9PWP     | WI | 50 | 62  | 510  | 10,400 |
|          | W9GM       | WI | 50 | 57  | 410  | 11,312 |
|          | N0AKC      | WI | 50 | 39  | 519  | 13,220 |
|          | KA9UVY     | IL | 50 | 37  | 312  | 7,969  |
|          | WA9ASZ     | IN | 49 | 28  | 307  | 8,880  |
|          | NG9R       | IL | 49 | 28  | 311  | 8,373  |
|          | W9WZJ      | IN | 47 | 76  | ---  | ---    |
|          | WV9E       | WI | 47 | 8   | 254  | ---    |
| <b>0</b> |            |    |    |     |      |        |
|          | K0GU       | CO | 50 | 150 | 1066 | 17,142 |
|          | NW0W       | MO | 50 | 150 | 300  | 14,675 |
|          | KM0A       | MO | 50 | 134 | 975  | 16,209 |
|          | N0LL       | KS | 50 | 130 | 888  | 14,901 |
|          | K0AZ       | MO | 50 | 127 | 762  | 14,392 |
|          | K0FF       | MO | 50 | 126 | 741  | 16,246 |
|          | N0KE       | CO | 50 | 115 | 700+ | ---    |
|          | W0FY       | MO | 50 | 110 | 816  | 14,100 |
|          | WA0KBZ     | MO | 50 | 105 | 627  | 16,354 |
|          | W0WOI      | IA | 50 | 89  | ---  | 9,817  |

|                          |           |     |               |             |              |           |
|--------------------------|-----------|-----|---------------|-------------|--------------|-----------|
|                          | K0CS      | CO  | 50            | 84          | 533          | 13,409    |
|                          | N0PB      | MO  | 50            | 75          | 503          | 13,246    |
|                          | KB0PE     | MO  | 50            | 63          | 502          | 10,211    |
|                          | K0KP      | MN  | 50            | 54          | 554          | 10,051    |
|                          | K0AWU     | MN  | 50            | 55          | 539          | 15,318    |
|                          | W0JW      | IA  | 50            | 52          | 583          | 13,847    |
|                          | WY0V      | IA  | 50            | 43          | 199          | 10,535    |
|                          | W0LD      | CO  | 50            | 42          | 180          | ---       |
|                          | W0RT      | KS  | 50            | 40          | 170          | 13,651    |
|                          | K0SIX     | MN  | 50            | 36          | 561          | ---       |
|                          | WB0ULX    | SD  | 50            | 31          | 498          | 9,335     |
|                          | W6GMT     | MN  | 47            | 5           | 376          | ---       |
|                          | K0BJ      | KS  | 44            | 14          | 263          | ---       |
|                          | K0RZ      | CO  | 37            | 4           | 138          | 4,653     |
| <b>Canada</b>            |           |     |               |             |              |           |
|                          | VE1YX     | NS  | 50            | 183         | 1282         | 15,515    |
|                          | VE9AA     | NB  | 50            | 141         | ---          | 15,260    |
|                          | VE3KU     | ON  | 50            | 121         | 453          | 15,175    |
|                          | VE3KKL    | ON  | 50            | 119         | 618          | 18,207    |
|                          | VA3DX     | ON  | 50            | 118         | 589          | 10,128    |
|                          | VE2XK     | PQ  | 50            | 108         | 830          | 14,035    |
|                          | VE3KH*    | ON  | 49            | 69          | 359          | ---       |
|                          | VE2GT     | PQ  | 49            | 57          | 433          | 6,104     |
| <b>DX</b>                |           |     |               |             |              |           |
|                          | ON4GG     | ON  | 50            | 252         | 1250         | 18,829    |
|                          | ON4IQ     | ON  | 50            | 250         | 1348         | 18,829    |
|                          | G4IGO*    | G   | 50            | 233         | 1181         | 19,104    |
|                          | SM7FJE    | SM  | 50            | 229         | 2121         | 18,103    |
|                          | NP3CW     | PR  | 50            | 118         | 585          | 13,533    |
|                          | G0JHC     | G   | 46            | 226         | 1203         | 15,951    |
|                          | IK0FTA    | I   | 42            | 239         | 1190         | 18,236    |
|                          | W3CMP/VP9 | VP9 | 36            | 39          | ---          | ---       |
|                          | VK3OT     | VK  | 21            | 132         | 1000         | 15,910    |
|                          | G3WOS*    | G   | ---           | 233         | 1109         | ---       |
|                          | HH4/W3CMP | HH  | ---           | 56          | ---          | ---       |
|                          |           |     |               |             |              |           |
| <b>144 MHz</b>           |           |     |               |             |              |           |
| <b>144 MHz Standings</b> |           |     |               |             |              |           |
|                          |           |     | <b>States</b> | <b>DXCC</b> | <b>Grids</b> | <b>DX</b> |

| Call sign | State | Worked | Entities | Worked | (km)   |
|-----------|-------|--------|----------|--------|--------|
| Call Area |       |        | Worked   |        |        |
| <b>1</b>  |       |        |          |        |        |
| K1CA*     | NH    | 50     | 150      | ---    | ---    |
| W1IPL *   | ME    | 50     | 123      | ---    | 14,883 |
| K1OR*     | NH    | 50     | 111      | 353    | 16,992 |
| W3TWX *   | VT    | 38     | 42       | 161    | 1,984  |
| K1MS *    | MA    | 50     | 32       | ---    | 2,166  |
| W1JR *    | NH    | 50     | 26       | 207    | 17,265 |
| W1AIM *   | VT    | 50     | 18       | 232    | 2,340  |
| K1SIX *   | NH    | 43     | 14       | 201    | 2,501  |
| W3EP/1    | CT    | 37     | 3        | 199    | 2,450  |
| W1ZC      | NH    | 35     | 2        | 189    | 2,490  |
| WA1FVJ    | CT    | 27     | 2        | 55     | 2,200  |
| NE1B      | NH    | 24     | 2        | 55     | 2,056  |
| K1WVX     | CT    | 18     | 2        | 53     | 1,093  |
| KX9X      | CT    | 17     | 2        | 37     | 1,665  |
| K1VU      | MA    | 13     | 2        | 29     | 762    |
| <b>2</b>  |       |        |          |        |        |
| K1JT *    | NJ    | 50     | 122      | 601    | 2,369  |
| W2HRO     | NJ    | 50     | 77       | ---    | ---    |
| K2OS*     | NY    | 50     | 34       | 200    | 2,133  |
| W2CNS*    | NY    | 50     | 22       | 74     | 2,367  |
| W2UAD     | NY    | 39     | 3        | 143    | 2,323  |
| NY2NY*    | NY    | 38     | 6        | 175    | 2,812  |
| K1NY      | NY    | 38     | 4        | 151    | 2,576  |
| WB2CUT    | NJ    | 37     | 2        | 164    | ---    |
| W2MPK     | NY    | 37     | ---      | ---    | ---    |
| <b>3</b>  |       |        |          |        |        |
| AE3T *    | PA    | 50     | 103      | ---    | 2,488  |
| W3CMP *   | PA    | 50     | 64       | 409    | 2,455  |
| WA2FGK *  | PA    | 50     | 50       | 367    | ---    |
| NZ3M*     | PA    | 41     | 29       | 233    | 8,784  |
| W1DGA     | MD    | 37     | 3        | 147    | ---    |
| AK3E      | MD    | 36     | 4        | 178    | ---    |
| K3TUF     | PA    | 33     | 2        | 112    | ---    |
| N3JNX     | PA    | 19     | 3        | 67     | 1400   |
| N3TEE     | DE    | 12     | 1        | 18     | 817    |
| <b>4</b>  |       |        |          |        |        |
| N9HF *    | FL    | 50     | 103      | 91     | 2,510  |

|   |          |    |    |     |     |        |
|---|----------|----|----|-----|-----|--------|
|   | W8WN*    | KY | 50 | 99  | 589 | ---    |
|   | W8WN*    | KY | 50 | 76  | 535 | 15,560 |
|   | N4QWZ    | TN | 49 | 63  | 349 | 2,295  |
|   | AD4TJ*   | VA | 48 | 28  | 356 | 6,449  |
|   | W4WA     | GA | 42 | 7   | 167 | 7,922  |
|   | K4RF     | GA | 40 | 4   | 212 | 2,147  |
|   | K2BLA *  | FL | 39 | 101 | 403 | 15,402 |
|   | K4RWP    | TN | 39 | 3   | 174 | 2,323  |
|   | K4QI     | NC | 38 | 6   | 231 | ---    |
|   | K4ZOO    | VA | 38 | 4   | 198 | 2,162  |
|   | AA4H     | TN | 38 | 3   | 170 | 2,007  |
|   | N4HN     | NC | 37 | 3   | 182 | 2,414  |
|   | K4RTS    | VA | 37 | 3   | 184 | 2,160  |
|   | K4MM*    | FL | 36 | 26  | 191 | 12,401 |
|   | W4AS*    | FL | 35 | 41  | 208 | --     |
|   | N4MM     | VA | 35 | 5   | 153 | ---    |
|   | K4MSG    | VA | 31 | 2   | 107 | 1,656  |
|   | K4YMQ    | AL | 30 | 2   | 120 | 1,754  |
|   | K1HTV    | VA | 26 | 6   | 172 | 2,993  |
|   | K0VXM    | FL | 26 | 6   | 152 | 2,164  |
|   | W4SW     | VA | 16 | 2   | 40  | 838    |
| 5 |          |    |    |     |     |        |
|   | W5LUA *  | TX | 50 | --- | --- | ---    |
|   | K5QE*    | TX | 50 | 115 | 561 | 14,156 |
|   | N5DG*    | TX | 50 | 106 | --- | ---    |
|   | W5UWB *  | TX | 50 | 78  | 299 | 2,332  |
|   | WD5AGO * | OK | 50 | 32  | 220 | 2,050  |
|   | K5YY *   | AR | 50 | 31  | 498 | 2,510  |
|   | WA5VJB * | TX | 50 | 19  | --- | ---    |
|   | N5KDA*   | MS | 49 | 62  | 396 | 15,220 |
|   | W5ADD*   | LA | 48 | 64  | 296 | ---    |
|   | K5UR     | AR | 48 | 5   | 517 | ---    |
|   | N5LJL    | OK | 48 | 3   | 220 | 2,472  |
|   | K5SW     | OK | 47 | 5   | 298 | 2,378  |
|   | K5YPV    | MS | 42 | 3   | 210 | 2,902  |
|   | NL7CO    | OK | 41 | 3   | 214 | ---    |
|   | AF5CC    | OK | 40 | 3   | 170 | 2,171  |
|   | K5LLL    | TX | 39 | 3   | 208 | 2,089  |
|   | AA5AM    | TX | 38 | 15  | 201 | 2,271  |
|   | W5HMK    | TX | 37 | 3   |     | 2,442  |

|          |          |    |    |     |     |          |
|----------|----------|----|----|-----|-----|----------|
|          | WA5LFD   | TX | 28 | 3   | 131 | ---      |
|          | K0XXX    | AR | 26 | 3   | 85  | 1,971    |
|          | W5OZI    | TX | 24 | 2   | 138 | 2,268.20 |
| <b>6</b> |          |    |    |     |     |          |
|          | K6AAW *  | CA | 50 | 66  | 414 | 3,831    |
|          | K6PF *   | CA | 47 | 41  | 223 | 4,013    |
|          | KC6ZWT * | CA | 43 | 48  | 384 | 3,934    |
|          | KR7O *   | CA | 26 | 34  | 252 | 2,134    |
|          | K6QXY *  | CA | 24 | 8   | --- | 3,794    |
|          | K6KLY *  | CA | 23 | 22  | --- |          |
|          | N6ZE *   | CA | 22 | 16  | 115 | 2,600    |
|          | W6TOD    | CA | 21 | 3   | --- | ---      |
|          | KF6A*    | CA | 19 | 25  | 122 | 3,766    |
| <b>7</b> |          |    |    |     |     |          |
|          | W7GJ *   | MT | 50 | 187 | --- | ---      |
|          | AA7A*    | AZ | 50 | 166 | 825 | 15,247   |
|          | W7MEM *  | ID | 50 | 103 | 566 | 16,654   |
|          | W7EME*   | OR | 50 | 78  | --- | ---      |
|          | W7RV*    | AZ | 50 | 35  | 275 | 2,937    |
|          | WO7R*    | AZ | 46 | 52  | 187 | 13,568   |
|          | WA7GSK   | ID | 30 | 2   | 215 | 3,635    |
|          | KC1BB*   | AZ | 19 | 34  | 86  | 13,301   |
|          | K7CW *   | WA | 17 | 13  | 127 | 2,518    |
|          | W7FI     | WA | 16 | 3   | --- | 4,333    |
|          | N7IR     | AZ | 6  | 1   | 21  | 1,964    |
| <b>8</b> |          |    |    |     |     |          |
|          | W7JW*    | MI | 50 | 100 | 618 | ---      |
|          | W8PAT*   | OH | 50 | 94  | 436 | 13,459   |
|          | K8BHZ *  | MI | 50 | 45  | 362 | 2,278    |
|          | WA8RJF * | OH | 44 | 27  | 227 | 2,131    |
|          | K8ROX    | OH | 40 | 2   | 151 | 1,915    |
|          | K8DIO    | OH | 38 | --- | --- | 1,871    |
|          | K2YAZ    | MI | 38 | 2   | 165 | 2,167    |
|          | KF6A *   | MI | 32 | 10  | 147 | 2,197    |
|          | N8IEZ    | MI | 32 | 2   | 171 | 2,379    |
|          | N8PUM*   | MI | 27 | 5   | 131 | 2,188    |
|          | N8WNA    | MI | 27 | 2   | 96  | 1,933    |
|          | WA8WV    | WV | 22 | 2   | 42  | 1,713    |
| <b>9</b> |          |    |    |     |     |          |
|          | AA9MY *  | IL | 50 | 82  | 467 | 2,045    |

|               |          |    |    |    |      |        |
|---------------|----------|----|----|----|------|--------|
|               | N0AKC *  | WI | 50 | 73 | 400  | 14,687 |
|               | N9LR *   | IL | 50 | 50 | 511  | 2,274  |
|               | W9RPM*   | WI | 45 | 49 | 212  | 2,670  |
|               | W9RM     | IL | 45 | 3  | 228  | 2,384  |
|               | W8BYA    | IN | 43 | 4  | 381  | 2,269  |
|               | KA9UVY   | IL | 43 | 2  | 164  | 2,373  |
|               | N9KC     | IL | 42 | 2  | 125  | ---    |
|               | WA9PWP   | WI | 32 | 2  | 145  | 1,940  |
|               | W9WZJ    | IN | 23 | 2  | 108  | ---    |
|               | WV9E     | WI | 22 | 3  | 64   | N/P    |
|               | NG9R     | IL | 18 | 4  | 70   | 1,767  |
| <b>0</b>      |          |    |    |    |      |        |
|               | K0AWU *  | MN | 50 | 53 | 421  | 2,343  |
|               | K0FF *   | MO | 50 | 35 | 267  | 2,185  |
|               | W0LD *   | CO | 50 | 26 | 167  | 2,373  |
|               | W0RT *   | KS | 50 | 17 | 206  | 2,357  |
|               | N0PB     | MO | 48 | 5  | 315  | 2,474  |
|               | N0LL     | KS | 48 | 3  | 395  | 2,378  |
|               | KM0A*    | MO | 47 | 25 | 427  | 2,767  |
|               | WA0KBZ * | MO | 45 | 16 | 209  | 8,507  |
|               | KW0A     | MO | 45 | 2  | 245  | 2,501  |
|               | WB0ULX   | SD | 45 | 2  | 2330 | ---    |
|               | AE0G     | NE | 45 | 1  | 214  | 2,245  |
|               | N0KE*    | CO | 44 | 46 | 246  | ---    |
|               | K0KP*    | MN | 43 | 53 | 324  | 15,207 |
|               | K0AZ*    | MO | 43 | 9  | 215  | 2,384  |
|               | K0GU *   | CO | 42 | 40 | 350  | 2,400  |
|               | K0SIX    | MN | 38 | 2  | 141  | ---    |
|               | KB0PE    | MO | 29 | 1  | 111  | 1,702  |
|               | K0RZ *   | CO | 26 | 2  | 107  | 2,173  |
|               | K0CS     | CO | 26 | 2  | 83   | 2,177  |
|               | NW0W     | MO | 17 | 3  | ---  | 1,688  |
|               | W6HCC    | CO | 4  | 2  | ---  | 3,950  |
| <b>Canada</b> |          |    |    |    |      |        |
|               | VE3KH *  | ON | 50 | 68 | 428  | 1,985  |
|               | VE3KU*   | ON | 39 | 4  | ---  | 3,511  |
|               | VE2GT *  | PQ | 14 | 2  | 52   | 1,781  |
| <b>DX</b>     |          |    |    |    |      |        |
|               | XE2AT *  | XE | 44 | 77 | 356  | 2,191  |
|               | DL8EBW * | DL | 39 | 99 | 826  | 18,588 |

|                          |                  |              |               |                 |               |             |
|--------------------------|------------------|--------------|---------------|-----------------|---------------|-------------|
|                          | PA3CEE *         | PA           | 33            | 118             | 751           | 18,346      |
|                          | ZS5LEE           | ZS           | 31            | 92              | 277           | 17,245      |
|                          | NP3CW            | KP4          | 2             | 1               | 20            | 6,390       |
|                          | VK3OT            | VK           | ---           | 5               | 300           | 2,879       |
| <b>222 MHz</b>           |                  |              |               |                 |               |             |
| <b>222 MHz Standings</b> |                  |              |               |                 |               |             |
|                          |                  |              | <b>States</b> | <b>DXCC</b>     | <b>Grids</b>  | <b>DX</b>   |
|                          | <b>Call sign</b> | <b>State</b> | <b>Worked</b> | <b>Entities</b> | <b>Worked</b> | <b>(km)</b> |
| <b>Call Area</b>         |                  |              |               | <b>Worked</b>   |               |             |
| <b>1</b>                 |                  |              |               |                 |               |             |
|                          | W1JR *           | NH           | 47            | 4               | 89            | 5197        |
|                          | W1AIM            | VT           | 22            | 2               | 59            | 2,021       |
|                          | K1WVX            | CT           | 10            | 1               | 13            | 691         |
| <b>2</b>                 |                  |              |               |                 |               |             |
|                          | K2OS             | NY           | 26            | 2               | 50            | 1,559       |
|                          | K1JT             | NJ           | 21            | 2               | 62            | 1,727       |
|                          | NY2NY            | NY           | 19            | 2               | 38            | 1,984       |
|                          | W2CNS            | NY           | 12            | 3               | 30            | 626         |
| <b>3</b>                 |                  |              |               |                 |               |             |
|                          | WA2FGK           | PA           | 34            | 2               | 90            | 5,274       |
|                          | K3TUF            | PA           | 20            | 2               | 66            | ---         |
|                          | NZ3M             | PA           | 12            | 2               | 28            | 598         |
| <b>4</b>                 |                  |              |               |                 |               |             |
|                          | K4RF             | GA           | 37            | 2               | 105           | 1,968       |
|                          | AA4ZZ            | NC           | 34            | 2               | 103           | 1,987       |
|                          | K4QI             | NC           | 34            | 2               | 96            | ---         |
|                          | N4QWZ            | TN           | 31            | 2               | 112           | ---         |
|                          | W4WA             | GA           | 29            | 2               | 89            | 2,143       |
|                          | K4ZOO            | VA           | 27            | 4               | 94            | 1,690       |
|                          | AA4H             | TN           | 27            | 2               | 81            | 1,737       |
|                          | N9HF *           | FL           | 34            | 2               | 57            | 1,525       |
|                          | K4RTS            | VA           | 22            | 2               | 70            | 1,345       |
|                          | K0VXM            | FL           | 13            | 1               | 56            | 1,747       |
|                          | KC4AYX           | TN           | 9             | 2               | ---           | 1,289       |
|                          | W4SW             | VA           | 9             | 1               | 23            | 641         |
|                          | W4AS             | FL           | 5             | 1               | 14            | --          |
| <b>5</b>                 |                  |              |               |                 |               |             |
|                          | W5LUA *          | TX           | 50            | ---             | ---           | ---         |

|   |         |    |     |     |     |       |
|---|---------|----|-----|-----|-----|-------|
|   | K5UR    | AR | 42  | 2   | 220 | ---   |
|   | WB5AFY  | TX | 34  | 2   | 92  | 2,421 |
|   | K5SW    | OK | 33  | 2   | 135 | 2,059 |
|   | K5QE    | TX | 27  | 4   | 86  | 1,736 |
|   | W5UWB   | TX | 23  | 2   | 63  | 2,197 |
|   | K5YY    | AR | 22  | 1   | 78  | 1,560 |
|   | WA5VJB  | TX | 18  | --- | --- | 1,830 |
|   | K5LLL   | TX | 17  | 2   | 70  | 2,089 |
|   | WD5AGO  | OK | 12  | 2   | 30  | 1,975 |
|   | AA5AM   | TX | 10  | 1   | 37  | 1,100 |
|   | K5YPV   | MS | 10  | 1   | 21  | 1,198 |
|   | AF5CC   | OK | 2   | 1   | 5   | 101   |
| 6 |         |    |     |     |     |       |
|   | KR7O    | CA | 11  | 3   | 59  | 1,638 |
|   | W6TOD   | CA | 10  | 2   | --  | --    |
|   | KC6ZWT  | CA | 9   | 2   | 53  | 1,371 |
|   | K6QXY   | CA | 4   | 3   | 32  | 3,794 |
|   | N6ZE    | CA | 1   | 1   | 14  | 583.5 |
| 7 |         |    |     |     |     |       |
|   | W7RV    | AZ | 12  | 3   | 55  | 1,740 |
|   | W7MEM   | ID | 9   | 2   | 25  | 3,344 |
|   | W7EME   | OR | --- | --- | 22  | ---   |
|   | N7IR    | AZ | 3   | 1   | 12  | 536   |
| 8 |         |    |     |     |     |       |
|   | W8PAT   | OH | 35  | 2   | 88  | 2,057 |
|   | K8DIO   | OH | 28  | --- | --- | 1,355 |
|   | WA8RJF  | OH | 28  | 2   | 91  | 1,733 |
|   | K2YAZ   | MI | 23  | 2   | 76  | 2,167 |
|   | N8WNA   | MI | 17  | 2   | 52  | 1,042 |
|   | N8IEZ   | MI | 12  | 2   | 42  | 1,034 |
|   | K8ROX   | OH | 12  | 2   | 15  | 1,239 |
|   | N8PUM   | MI | 10  | 2   | 36  | 1,390 |
|   | N8PVT   | MI | 7   | 1   | 23  | 1,247 |
| 9 |         |    |     |     |     |       |
|   | N9LR    | IL | 38  | 2   | 135 | 1,808 |
|   | KA9UVY  | IL | 28  | 1   | 66  | 1,536 |
|   | AA9MY   | IL | 25  | 2   | 64  | 1,751 |
|   | W9RPM   | WI | 22  | 2   | 205 | 1,400 |
|   | W9RM    | IL | 21  | 2   | 71  | 1,974 |
|   | N0AKC * | WI | 20  | 2   | 55  | 2,037 |
|   | WV9E    | WI | 9   | 1   | 22  | N/P   |

|                          |                  |              |               |                 |               |             |
|--------------------------|------------------|--------------|---------------|-----------------|---------------|-------------|
|                          | NG9R             | IL           | 6             | 1               | 20            | 684         |
| <b>0</b>                 |                  |              |               |                 |               |             |
|                          | N0LL             | KS           | 25            | 2               | 112           | 1,900       |
|                          | K0AWU            | MN           | 24            | 2               | 77            | 2,008       |
|                          | KB0PE            | MO           | 21            | 1               | 65            | 1,033       |
|                          | K0FF             | MO           | 18            | 1               | 52            | 1,174       |
|                          | K0RZ             | CO           | 17            | 2               | 45            | 2,002       |
|                          | W0RT             | KS           | 17            | 2               | 21            | 1,584       |
|                          | K0SIX            | MN           | 15            | 2               | 51            | ---         |
|                          | WB0ULX           | SD           | 12            | 2               | 37            | 894         |
|                          | K0GU             | CO           | 10            | 1               | 18            | 1,913       |
|                          | W0LD             | CO           | 3             | 1               | 3             | 632         |
| <b>Canada</b>            |                  |              |               |                 |               |             |
|                          | VE3KU            | ON           | 21            | 2               | 80            | 1,891       |
|                          | VE3KH            | ON           | 15            | 2               | 51            | 1,093       |
|                          | VE2GT            | PQ           | 9             | 2               | 33            | 694         |
|                          |                  |              |               |                 |               |             |
| <b>432 MHz</b>           |                  |              |               |                 |               |             |
| <b>432 MHz Standings</b> |                  |              |               |                 |               |             |
|                          | <b>Call sign</b> | <b>State</b> | <b>States</b> | <b>DXCC</b>     | <b>Grids</b>  | <b>DX</b>   |
|                          |                  |              | <b>Worked</b> | <b>Entities</b> | <b>Worked</b> | <b>(km)</b> |
| <b>Call Area</b>         |                  |              |               | <b>Worked</b>   |               |             |
| <b>1</b>                 |                  |              |               |                 |               |             |
|                          | W1JR *           | NH           | 50            | 41              | 191           | 17265       |
|                          | K1OR*            | NH           | 26            | 17              | ---           | 11,076      |
|                          | W1ZC*            | NH           | 20            | 3               | 74            | 1,948       |
|                          | W3EP/1           | CT           | 20            | 2               | 67            | 1,760       |
|                          | W1AIM            | VT           | 18            | 2               | 56            | 1,725       |
|                          | K1VU             | MA           | 11            | 1               | 16            | 814         |
|                          | WA1FVJ           | CT           | 10            | 1               | 14            | 400         |
|                          | K1WVX            | CT           | 10            | 1               | 13            | 691         |
| <b>2</b>                 |                  |              |               |                 |               |             |
|                          | K2OS*            | NY           | 50            | 29              | 158           | 2,033       |
|                          | W2CNS            | NY           | 26            | 3               | 89            | 1,582       |
|                          | NY2NY*           | NY           | 19            | 4               | 51            | 1,879       |
|                          | K1JT             | NJ           | 17            | 2               | 54            | 757         |
| <b>3</b>                 |                  |              |               |                 |               |             |
|                          | AE3T             | PA           | 23            | 2               | ---           | 1,363       |
|                          | NZ3M*            | PA           | 22            | 4               | 46            | 6,527       |
|                          | WA2FGK           | PA           | 22            | 2               | 82            | 1,596       |

|   |          |    |    |     |     |       |
|---|----------|----|----|-----|-----|-------|
|   | K3TUF    | PA | 22 | 2   | 71  | ---   |
|   | N3JNX    | PA | 11 | 1   | 33  | 453   |
| 4 |          |    |    |     |     |       |
|   | W4TJ *   | VA | 43 | 40  | 190 | ---   |
|   | K4QI*    | NC | 39 | 51  | 262 | ---   |
|   | N4QWZ    | TN | 32 | 2   | 142 | 1,601 |
|   | AA4ZZ    | NC | 32 | 2   | 102 | 1,255 |
|   | K4RF     | GA | 28 | 2   | 96  | 1,742 |
|   | K4CSO    | GA | 25 | 1   | 114 | 1,582 |
|   | W4WA     | GA | 25 | 2   | 88  | 1,506 |
|   | K4ZOO    | VA | 24 | 2   | 82  | 1,444 |
|   | K4RWP    | TN | 22 | 2   | 52  | 1,046 |
|   | K4RTS    | VA | 21 | 2   | 71  | 1,345 |
|   | AA4H     | TN | 21 | 1   | 61  | 1,737 |
|   | N4MM     | VA | 19 | 3   | 58  | ---   |
|   | N4HN     | NC | 14 | 1   | 41  | ---   |
|   | K0VXM    | FL | 13 | 3   | 61  | 2,164 |
|   | K1HTV    | VA | 9  | 2   | 53  | 1,249 |
|   | W4SW     | VA | 9  | 2   | 22  | 521   |
|   | K4MM     | FL | 8  | 2   | 34  | 1,691 |
|   | K4MSG    | VA | 8  | 1   | 19  | 492   |
|   | N9HF     | FL | 7  | 5   | 12  | 1608  |
|   | W4AS*    | FL | 2  | 4   | 18  | ---   |
| 5 |          |    |    |     |     |       |
|   | W5LUA *  | TX | 50 | --- | --- | ---   |
|   | WB5AFY   | TX | 46 | 27  | 183 | 1,882 |
|   | WD5AGO * | OK | 40 | 23  | 150 | 1,740 |
|   | K5UR     | AR | 31 | 2   | 220 | ---   |
|   | K5SW     | OK | 31 | 2   | 144 | 1,273 |
|   | K5YY     | AR | 30 | 2   | 161 | 1,780 |
|   | K5QE *   | TX | 29 | 4   | 62  | 9,476 |
|   | K5YPV    | MS | 25 | 3   | 118 | 1,327 |
|   | WA5VJB   | TX | 23 | --- | --- | 2,108 |
|   | W5HNK *  | TX | 20 | 1   | --- | 1,651 |
|   | K5LLL    | TX | 16 | 2   | 98  | 1,673 |
|   | W5UWB *  | TX | 14 | 7   | 49  | 2,167 |
|   | WA5LFD   | TX | 13 | 1   | 49  | ---   |
|   | AA5AM    | TX | 10 | 1   | 62  | 1,728 |
|   | N5KDA    | MS | 8  | 3   | 26  | ---   |
|   | AF5CC    | OK | 6  | 1   | 32  | 1,855 |

|          |          |    |    |     |     |        |
|----------|----------|----|----|-----|-----|--------|
| <b>6</b> |          |    |    |     |     |        |
|          | KC6ZWT * | CA | 4  | 3   | 51  | 3,934  |
|          | K6QXY    | CA | 4  | 3   | 36  | 3,794  |
|          | W6TOD    | CA | 3  | 1   | --- | ---    |
|          | KR7O     | CA | 3  | 3   | 44  | 582    |
|          | N6ZE     | CA | 1  | 2   | 18  | 1265   |
| <b>7</b> |          |    |    |     |     |        |
|          | W7MEM*   | ID | 27 | 28  | 103 | 16,030 |
|          | W7EME    | OR | 18 | 18  | 69  | 16,030 |
|          | W7RV*    | AZ | 7  | 4   | 56  | 712    |
|          | K7CW     | WA | 3  | 2   | 21  | 465    |
|          | WA7GSK   | ID | 3  | 1   | 12  | ---    |
|          | N7IR     | AZ | 2  | 1   | 14  | 598    |
| <b>8</b> |          |    |    |     |     |        |
|          | W8PAT    | OH | 35 | 2   | 88  | 2,057  |
|          | K2YAZ    | MI | 28 | 2   | 108 | 2,167  |
|          | K8DIO    | OH | 26 | --- | --- | 1,817  |
|          | N8IEZ    | MI | 26 | 2   | 76  | 1,354  |
|          | WA8RJF*  | OH | 22 | 3   | 80  | 1,287  |
|          | K8ROX    | OH | 17 | 2   | 51  | 1,104  |
|          | N8WNA    | MI | 15 | 2   | 37  | 965    |
|          | N8PUM    | MI | 13 | 2   | 45  | 1,368  |
| <b>9</b> |          |    |    |     |     |        |
|          | N9LR     | IL | 34 | 3   | 136 | 1,562  |
|          | K3SIW/9  | IL | 34 | 2   | 136 | 1,469  |
|          | KA9UVY   | IL | 27 | 2   | 84  | 1,409  |
|          | AA9MY *  | IL | 25 | 3   | 68  | 1,567  |
|          | N0AKC *  | WI | 20 | 15  | 72  | 14,020 |
|          | W9RM     | IL | 19 | 2   | 85  | 1,445  |
|          | W9RPM    | WI | 16 | 2   | 104 | 983    |
|          | NG9R     | IL | 13 | 1   | 28  | 1,229  |
|          | WV9E     | WI | 12 | 3   | 32  | N/P    |
|          | W9WZJ    | IN | 9  | 2   | --- | ---    |
| <b>0</b> |          |    |    |     |     |        |
|          | K0RZ *   | CO | 48 | 50  | 323 | 1,083  |
|          | W0RT     | KS | 30 | 1   | 105 | 1,940  |
|          | N0PB     | MO | 27 | 1   | 115 | 1,936  |
|          | N0LL     | KS | 21 | 2   | 115 | 1,690  |
|          | K0FF     | MO | 20 | 1   | 74  | 1,189  |
|          | KB0PE    | MO | 17 | 1   | 61  | 1,148  |

|                          |           |       |        |          |        |       |
|--------------------------|-----------|-------|--------|----------|--------|-------|
|                          | K0AWU     | MN    | 15     | 2        | 62     | 1,478 |
|                          | K0SIX     | MN    | 15     | 2        | 50     | ---   |
|                          | WB0ULX    | SD    | 13     | 2        | 53     | 1,282 |
|                          | NW0W      | MO    | 9      | 2        | ---    | 890   |
|                          | W0LD      | CO    | 8      | 1        | 15     | 1,032 |
| <b>Canada</b>            |           |       |        |          |        |       |
|                          | VE3KH     | ON    | 18     | 2        | 54     | 1,174 |
|                          | VE2GT     | PQ    | 9      | 2        | 37     | 694   |
| <b>DX</b>                |           |       |        |          |        |       |
|                          | NP3CW     | KP4   | 0      | 1        | 2      | 114   |
| <b>902 MHz</b>           |           |       |        |          |        |       |
| <b>902 MHz Standings</b> |           |       |        |          |        |       |
|                          | Call sign | State | States | DXCC     | Grids  | DX    |
|                          |           |       | Worked | Entities | Worked | (km)  |
| Call Area                |           |       |        | Worked   |        |       |
| <b>1</b>                 |           |       |        |          |        |       |
|                          | K1WHS     | ME    | 18     | 2        | 48     | 1,212 |
|                          | W1JR      | NH    | 10     | 2        | 28     | 634   |
|                          | W1AIM     | VT    | 9      | 2        | 26     | 1,078 |
| <b>2</b>                 |           |       |        |          |        |       |
|                          | K1JT      | NJ    | 7      | 1        | 14     | 418   |
| <b>3</b>                 |           |       |        |          |        |       |
|                          | WA2FGK    | PA    | 18     | 2        | 39     | 940   |
|                          | K3TUF     | PA    | 12     | 2        | 34     | ---   |
| <b>4</b>                 |           |       |        |          |        |       |
|                          | W4WA      | GA    | 10     | 1        | 25     | 906   |
|                          | K4RTS     | VA    | 10     | 1        | 25     | 821   |
|                          | N4QWZ     | TN    | 10     | 1        | 21     | 1,040 |
|                          | AA4H      | TN    | 8      | 1        | 16     | 560   |
|                          | K0VXM     | FL    | 7      | 1        | 30     | 1,747 |
|                          | K4RF      | GA    | 2      | 1        | 10     | 1,045 |
|                          | W4SW      | VA    | 2      | 1        | 4      | 197   |
|                          | N9HF      | FL    | 1      | 1        | 1      | 107   |
| <b>5</b>                 |           |       |        |          |        |       |
|                          | W5LUA *   | TX    | 22     | 2        | 70     | 1,725 |
|                          | K5LLL     | TX    | 9      | 1        | 32     | 1,608 |
|                          | WA5VJI    | TX    | 7      | ---      | 16     | 715   |
|                          | AA5AM     | TX    | 2      | 1        | 5      | 338   |
|                          | AF5CC     | OK    | 1      | 1        | 1      | 1     |

|                          |                  |              |               |                 |               |             |
|--------------------------|------------------|--------------|---------------|-----------------|---------------|-------------|
| <b>6</b>                 |                  |              |               |                 |               |             |
|                          | N6CA             | CA           | 4             |                 | 19            | 3,978       |
|                          | W6TOD            | CA           | 1             | 1               | --            | --          |
| <b>7</b>                 |                  |              |               |                 |               |             |
|                          | W7RV             | AZ           | 1             | 1               | 2             | 56          |
| <b>8</b>                 |                  |              |               |                 |               |             |
|                          | WA8RJF *         | OH           | 14            | 2               | 37            | 1,306       |
|                          | K2YAZ            | MI           | 11            | 1               | 38            | 960         |
|                          | N8PUM            | MI           | 2             | 1               | 2             | 560         |
| <b>9</b>                 |                  |              |               |                 |               |             |
|                          | K3SIW/9          | IL           | 19            | 2               | 62            | 1,265       |
|                          | N0AKC            | WI           | 6             | 1               | 21            | 433         |
|                          | KA9UVY           | IL           | 6             | 1               | 10            | 819         |
|                          | <b>NG9R</b>      | <b>IL</b>    | <b>1</b>      | <b>1</b>        | <b>1</b>      | <b>185</b>  |
| <b>0</b>                 |                  |              |               |                 |               |             |
|                          | K0RZ             | CO           | 11            | 1               | 83            | 734         |
|                          | W6HCC            | CO           | 6             | 1               | 27            | 489         |
|                          | W0LD             | CO           | 6             | 1               | 5             | 984         |
|                          | KB0PE            | MO           | 2             | 2               | 2             | 209         |
|                          | K0AWU            | MN           | 5             | 2               | 16            | 642         |
| <b>Canada</b>            |                  |              |               |                 |               |             |
|                          | VE3KH            | ON           | 14            | 2               | 10            | 447         |
|                          | VE2GT            | PQ           | 5             | 2               | 17            | ---         |
| <b>1.2 GHz</b>           |                  |              |               |                 |               |             |
| <b>1.2 GHz Standings</b> |                  |              |               |                 |               |             |
|                          |                  |              | <b>States</b> | <b>DXCC</b>     | <b>Grids</b>  | <b>DX</b>   |
|                          | <b>Call sign</b> | <b>State</b> | <b>Worked</b> | <b>Entities</b> | <b>Worked</b> | <b>(km)</b> |
| <b>Call Area</b>         |                  |              |               | <b>Worked</b>   |               |             |
| <b>1</b>                 |                  |              |               |                 |               |             |
|                          | W1AIM*           | VT           | 20            | 17              | 639           | 1,103       |
|                          | K1WHS            | ME           | 20            | 2               | 55            | 1,688       |
|                          | W1JR *           | NH           | 13            | 4               | 36            | 5,787       |
|                          | K1SIX            | NH           | 12            | 3               | 39            | 987         |
|                          | W1ZC             | NH           | 12            | 2               | 19            | 1,116       |
|                          | W3EP/1           | CT           | 12            | 2               | 17            | 485         |
|                          | K1VU             | MA           | 2             | 1               | 2             | 66          |
|                          | K1WVX            | CT           | 2             | 1               | 2             | 58          |
| <b>2</b>                 |                  |              |               |                 |               |             |
|                          | W2CNS            | NY           | 16            | 2               | 48            | 1,154       |

|   |          |    |    |     |     |       |
|---|----------|----|----|-----|-----|-------|
|   | NY2NY    | NY | 10 | 1   | 14  | 474   |
| 3 |          |    |    |     |     |       |
|   | WA2FGK   | PA | 21 | 2   | 55  | 1,571 |
|   | K3TUF    | PA | 12 | 2   | 38  | ---   |
| 4 |          |    |    |     |     |       |
|   | K4QI*    | NC | 41 | 32  | 190 | ---   |
|   | WA4NJP*  | GA | 28 | 25  | 82  | 1,696 |
|   | W4TJ *   | VA | 22 | 23  | 64  | ---   |
|   | N4QWZ    | TN | 18 | 1   | 36  | 1,040 |
|   | K4RF     | GA | 17 | 1   | 32  | 1,067 |
|   | K4ZOO    | VA | 13 | 1   | 31  | 675   |
|   | AA4ZZ    | NC | 13 | 1   | 26  | 1,201 |
|   | K4RTS    | VA | 12 | 1   | 29  | 821   |
|   | AA4H     | TN | 10 | 1   | 21  | 560   |
|   | K0VXM    | FL | 9  | 1   | 37  | 1,698 |
|   | W4WA     | GA | 7  | 1   | 35  | 1,506 |
|   | N4HN     | NC | 3  | 1   | 7   | ---   |
|   | W4SW     | VA | 3  | 1   | 3   | 127   |
|   | N9HF     | FL | 1  | 1   | 3   | 107   |
| 5 |          |    |    |     |     |       |
|   | W5LUA *  | TX | 50 | 65  | 300 | 2,060 |
|   | WD5AGO * | OK | 39 | 36  | 210 | 1,705 |
|   | WB5AFY   | TX | 26 | 17  | 97  | 1,221 |
|   | K5UR     | AR | 18 | 1   | 92  | 1,102 |
|   | K5SW     | OK | 17 | 1   | 60  | 1,570 |
|   | WA5VJB   | TX | 14 | --- | 29  | 1,980 |
|   | K5YPV    | MS | 13 | 1   | 31  | 1,198 |
|   | K5LLL    | TX | 10 | 1   | 40  | 1,608 |
|   | W5UWB    | TX | 7  | 1   | 14  | 1,664 |
|   | W5HNC    | TX | 7  | 1   | --- | 1,272 |
|   | AA5AM    | TX | 2  | 1   | 5   | 338   |
|   | N5KDA    | MS | 2  | 1   | 2   | ---   |
|   | AF5CC    | OK | 1  | 1   | 3   | 60    |
| 6 |          |    |    |     |     |       |
|   | N6CA     | CA | 11 | --- | 44  | 3,978 |
|   | K6QXY    | CA | 4  | 3   | 24  | 3,794 |
|   | KR7O     | CA | 2  | 1   | 14  | 444   |
|   | N6ZE     | CA | 1  | 1   | 4   | 119.4 |
|   | W6OYJ    | CA | 1  | 1   | 2   | 72    |
|   | W6TOD    | CA | 1  | 1   | --  | --    |

|                          |           |       |        |          |        |        |
|--------------------------|-----------|-------|--------|----------|--------|--------|
|                          | N6VI      | CA    | 1      | 1        | 11     | -      |
| 7                        |           |       |        |          |        |        |
|                          | W7RV      | AZ    | 7      | 2        | 27     | 664    |
|                          | W7MEM     | ID    | 5      | 7        | 28     | 10,538 |
|                          | WA7GSK    | ID    | 3      | 1        | 6      | ---    |
|                          | N7IR      | AZ    | 1      | 1        | 9      | 324    |
|                          | W7EME     | OR    | ---    | ---      | 6      | 213    |
| 8                        |           |       |        |          |        |        |
|                          | WA8RJF *  | OH    | 19     | 10       | 60     | 1,306  |
|                          | K2YAZ     | MI    | 18     | 2        | 58     | 1,300  |
|                          | W8PAT     | OH    | 16     | 2        | 33     | 1,375  |
|                          | N8PUM     | MI    | 6      | 1        | 7      | 802    |
| 9                        |           |       |        |          |        |        |
|                          | K3SIW/9   | IL    | 23     | 2        | 80     | 1,265  |
|                          | N9LR      | IL    | 19     | 2        | 61     | 1,151  |
|                          | AA9MY     | IL    | 12     | 1        | 30     | 934    |
|                          | KA9UVY    | IL    | 10     | 1        | 25     | 819    |
|                          | N8IEZ     | MI    | 9      | 2        | 28     | 1,034  |
|                          | N0AKC     | WI    | 7      | 1        | 20     | 550    |
|                          | NG9R      | IL    | 2      | 1        | 8      | 349    |
| 0                        |           |       |        |          |        |        |
|                          | KB0PE     | MO    | 15     | 1        | 26     | 939    |
|                          | N0LL      | KS    | 13     | 1        | 54     | 1,321  |
|                          | K0RZ *    | CO    | 12     | 1        | 88     | 734    |
|                          | W0RT      | KS    | 8      | 1        | 10     | 1,065  |
|                          | K0AWU     | MN    | 7      | 2        | 27     | 887    |
|                          | W0LD      | CO    | 6      | 1        | 18     | 984    |
| Canada                   |           |       |        |          |        |        |
|                          | VE2GT     | PQ    | 4      | 2        | 16     | 278    |
|                          | VE3KH     | ON    | 3      | ---      | 13     | 345    |
|                          |           |       |        |          |        |        |
| <b>2.4 GHz</b>           |           |       |        |          |        |        |
| <b>2.4 GHz Standings</b> |           |       |        |          |        |        |
|                          | Call sign | State | States | DXCC     | Grids  | DX     |
|                          |           |       | Worked | Entities | Worked | (km)   |
| Call Area                |           |       |        | Worked   |        |        |
| 1                        |           |       |        |          |        |        |
|                          | K1WHS     | ME    | 18     | 2        | 45     | 1,212  |
|                          | W1JR      | NH    | 11     | 2        | 11     | 414    |
|                          | W1AIM     | VT    | 5      | 2        | 10     | 218    |

|                          |            |       |        |          |        |       |
|--------------------------|------------|-------|--------|----------|--------|-------|
| 3                        |            |       |        |          |        |       |
|                          | WA2FGK     | PA    | 14     | 1        | 32     | 900   |
|                          | K3TUF      | PA    | 9      | 1        | 23     | ---   |
| 4                        |            |       |        |          |        |       |
|                          | W4WA       | GA    | 7      | 1        | 11     | 572   |
|                          | K0VXM      | FL    | 6      | 1        | 22     | 1,698 |
|                          | K4RTS      | VA    | 4      | 1        | 6      | 535   |
|                          | K4RF       | GA    | 4      | 1        | 6      | 293   |
|                          | W4SW       | VA    | 4      | 1        | 5      | 364   |
| 5                        |            |       |        |          |        |       |
|                          | W5LUA *    | TX    | 33     | 33       | 124    | 1,533 |
|                          | WD5AGO *   | OK    | 20     | 26       | 85     | 400   |
|                          | WB5AFY     | TX    | 6      | 1        | 28     | 1,221 |
|                          | WA5VJB     | TX    | 6      | ---      | 17     | 715   |
|                          | K5LLL      | TX    | 5      | 1        | 22     | 1,608 |
|                          | AA5AM      | TX    | 2      | 1        | 6      | 347   |
| 6                        |            |       |        |          |        |       |
|                          | N6CA       | CA    | 5      | ---      | 20     | 3,798 |
|                          | N6VI       | CA    | 1      | 1        | 11     | 474   |
| 7                        | No reports |       |        |          |        |       |
| 8                        |            |       |        |          |        |       |
|                          | WA8RJF *   | OH    | 10     | 10       | 39     | 1,306 |
|                          | K2YAZ      | MI    | 8      | 1        | 28     | 924   |
| 9                        |            |       |        |          |        |       |
|                          | K3SIW/9    | IL    | 14     | 1        | 53     | 1,109 |
|                          | N0AKC      | WI    | 3      | 1        | 4      | 362   |
| 0                        |            |       |        |          |        |       |
|                          | K0RZ       | CO    | 11     | 1        | 82     | 734   |
|                          | W6HCC      | CO    | 7      | 1        | 28     | 450   |
|                          | W0LD       | CO    | 3      | 1        | 10     | 726   |
| Canada                   |            |       |        |          |        |       |
|                          | VE2GT      | PQ    | 2      | 2        | 10     | ---   |
|                          | VE3KH      | ON    | ---    | ---      | 1      | 2     |
| <b>3.4 GHz</b>           |            |       |        |          |        |       |
| <b>3.4 GHz Standings</b> |            |       |        |          |        |       |
|                          |            |       | States | DXCC     | Grids  | DX    |
|                          | Call sign  | State | Worked | Entities | Worked | (km)  |

| Call Area                |         |              |               | Worked      |              |           |
|--------------------------|---------|--------------|---------------|-------------|--------------|-----------|
| <b>1</b>                 |         |              |               |             |              |           |
|                          | K1WHS   | ME           | 16            | 2           | 43           | 1,212     |
|                          | W1AIM   | VT           | 1             | 2           | 5            | 424       |
| <b>3</b>                 |         |              |               |             |              |           |
|                          | WA2FGK  | PA           | 10            | 1           | 22           | 350       |
|                          | K3TUF   | PA           | 3             | 1           | 18           | ---       |
| <b>4</b>                 |         |              |               |             |              |           |
|                          | K0VXM   | FL           | 4             | 1           | 18           | 1,802     |
|                          | W4SW    | VA           | 4             | 1           | 5            | 320       |
|                          | K4RF    | GA           | 2             | 1           | 2            | 293       |
| <b>5</b>                 |         |              |               |             |              |           |
|                          | W5LUA * | TX           | 16            | 17          | 52           | 1,353     |
|                          | K5LLL   | TX           | 5             | 1           | 11           | 1,608     |
|                          | WB5AFY  | TX           | 4             | 1           | 16           | 730       |
|                          | WA5VJB  | TX           | 4             | ---         | 10           | 327       |
|                          | AA5AM   | TX           | 1             | 1           | 4            | 159       |
| <b>6</b>                 |         |              |               |             |              |           |
|                          | N6CA    | CA           | 5             | ---         | 20           | 3,978     |
|                          | N6VI    | CA           | 1             | 1           | 11           | 474       |
|                          | W6OYJ   | CA           | 1             | 1           | 2            | 344       |
| <b>8</b>                 |         |              |               |             |              |           |
|                          | WA8RJF  | OH           | 6             | 2           | 14           | 1,306     |
|                          | K2YAZ   | MI           | 4             | 1           | 7            | 843       |
| <b>9</b>                 |         |              |               |             |              |           |
|                          | K3SIW/9 | IL           | 11            | 1           | 44           | 936       |
|                          | N0AKC   | WI           | 2             | 1           | 2            | 362       |
| <b>0</b>                 |         |              |               |             |              |           |
|                          | K0RZ    | CO           | 11            | 1           | 80           | 732       |
|                          | W6HCC   | CO           | 4             | 1           | 21           | 489       |
|                          | W0LD    | CO           | 3             | 1           | 6            | 828       |
|                          | KB0PE   | MO           | 1             | 1           | 5            | 430       |
| <b>Canada</b>            |         |              |               |             |              |           |
|                          | VE2GT   | PQ           | 2             | 2           | 10           | 300       |
|                          | VE3KH   | ON           | ---           | ---         | 1            | 2         |
| <b>5.6 GHz</b>           |         |              |               |             |              |           |
| <b>5.6 GHz Standings</b> |         |              |               |             |              |           |
|                          |         | <b>State</b> | <b>States</b> | <b>DXCC</b> | <b>Grids</b> | <b>DX</b> |

|                  | Call sign |       | Worked | Entities | Worked | (km)  |
|------------------|-----------|-------|--------|----------|--------|-------|
| Call Area        |           |       |        | Worked   |        |       |
| 1                |           |       |        |          |        |       |
|                  | K1WHS     | ME    | 16     | 2        | 39     | 1,212 |
|                  | W1AIM     | VT    | 1      | 1        | 5      | 424   |
| 3                |           |       |        |          |        |       |
|                  | WA2FGK    | PA    | 7      | 1        | 11     | 472   |
|                  | K3TUF     | PA    | 4      | 1        | 13     | —     |
| 4                |           |       |        |          |        |       |
|                  | K0VXM     | FL    | 4      | 1        | 16     | 1,612 |
|                  | W4SW      | VA    | 3      | 1        | 5      | 321   |
|                  | K4RF      | GA    | 1      | 1        | 1      | 51    |
| 5                |           |       |        |          |        |       |
|                  | WD5AGO *  | OK    | 14     | 17       | 30     | 342   |
|                  | W5LUA *   | TX    | 9      | 19       | 49     | 1,187 |
|                  | WA5VJB    | TX    | 3      | —        | 8      | 327   |
|                  | AA5AM     | TX    | 1      | 1        | 3      | 150   |
| 6                |           |       |        |          |        |       |
|                  | N6CA      | CA    | 5      | —        | 20     | 3,978 |
|                  | N6VI      | CA    | 1      | 1        | 11     | 474   |
|                  | W6OYJ     | CA    | 1      | 1        | 1      | 344   |
| 8                |           |       |        |          |        |       |
|                  | K2YAZ     | MI    | 6      | 1        | 13     | 924   |
|                  | WA8RJF    | OH    | 4      | 2        | 5      | 591   |
| 9                |           |       |        |          |        |       |
|                  | K3SIW/9   | IL    | 9      | 1        | 36     | 930   |
| 0                |           |       |        |          |        |       |
|                  | K0RZ      | CO    | 5      | 1        | 22     | 490   |
|                  | W6HCC     | CO    | 5      | 1        | 22     | 489   |
|                  | KB0PE     | MO    | 3      | 1        | 6      | 370   |
| Canada           |           |       |        |          |        |       |
|                  | VE2GT     | PQ    | 1      | 2        | 8      | 300   |
|                  |           |       |        |          |        |       |
| 10GHz            |           |       |        |          |        |       |
| 10 GHz Standings |           |       |        |          |        |       |
|                  |           |       | States | DXCC     | Grids  | DX    |
|                  | Call sign | State | Worked | Entities | Worked | (km)  |
| Call Area        |           |       |        | Worked   |        |       |
| 1                |           |       |        |          |        |       |

|   |          |    |    |     |    |       |
|---|----------|----|----|-----|----|-------|
|   | K1WHS    | ME | 14 | 1   | 33 | 1,212 |
|   | W1AIM/1  | RI | 11 | 2   | 19 | 1,008 |
|   | N1JEZ/1  | VT | 10 | 2   | 33 | 845   |
|   | W1AIM/1  | NH | 8  | 2   | 19 | 595   |
| 2 |          |    |    |     |    |       |
|   | K2AXX    | NY | 11 | 2   | 30 | 798   |
| 3 |          |    |    |     |    |       |
|   | WA2FGK   | PA | 12 | 2   | 21 | 1,086 |
|   | K3TUF    | PA | 6  | 1   | 17 | 604   |
| 4 |          |    |    |     |    |       |
|   | W4DEX    | NC | 17 | 1   | 28 | 1,214 |
|   | W4SW     | VA | 7  | 1   | 11 | 717   |
|   | K0VXM    | FL | 4  | 1   | 19 | 1,612 |
|   | K4RF     | GA | 1  | 1   | 2  | 153   |
|   | N9HF     | FL | 1  | 1   | 1  |       |
| 5 |          |    |    |     |    |       |
|   | W5LUA *  | TX | 15 | 22  | 83 | 918   |
|   | WA5JJB * | TX | 7  | 8   | 20 | 327   |
|   | AA5AM    | TX | 3  | 1   | 8  | 259   |
|   | K5LLL    | TX | 1  | 1   | 10 | 327   |
|   | W5UWB    | TX | 1  | 1   | 7  | 582   |
| 6 |          |    |    |     |    |       |
|   | W6OYJ    | CA | 5  | 2   | 21 | 1,020 |
|   | N6CA     | CA | 4  | --- | 18 | 3,978 |
|   | N6VI     | CA | 3  | 1   | 18 | 723   |
|   | KJ6HZ    | CA | 2  | 2   | 19 | 808   |
|   | KR7O/6   | CA | 1  | 2   | 13 | 610   |
|   | KR7O     | CA | 1  | 1   | 8  | 350   |
| 7 |          |    |    |     |    |       |
|   | N0KGM    | UT | 1  | 1   | 8  | 184   |
| 8 |          |    |    |     |    |       |
|   | K2YAZ    | MI | 7  | 1   | 21 | 924   |
|   | N8PUM    | MI | 1  | 1   | 2  | 561   |
| 9 |          |    |    |     |    |       |
|   | K3SIW/9  | IL | 8  | 1   | 26 | 564   |
|   | N0AKC    | WI | 1  | 1   | 1  | 1     |
| 0 |          |    |    |     |    |       |
|   | K0RZ     | CO | 10 | 1   | 78 | 699   |
|   | W6HCC    | CO | 10 | 1   | 77 | 624   |
|   | K0AWU    | MN | 6  | 2   | 22 | 694   |

|                         |           |       |        |          |        |      |
|-------------------------|-----------|-------|--------|----------|--------|------|
|                         | KB0PE     | MO    | 3      | 1        | 4      | 642  |
|                         | W0LD      | CO    | 1      | 1        | 2      | 264  |
| Canada                  |           |       |        |          |        |      |
|                         | VE3KH     | ON    | 4      | 2        | 4      | 444  |
|                         | VE2GT     | PQ    | 3      | 2        | 10     | 420  |
| <b>24 GHz</b>           |           |       |        |          |        |      |
| <b>24 GHz Standings</b> |           |       |        |          |        |      |
|                         | Call sign | State | States | DXCC     | Grids  | DX   |
|                         |           |       | Worked | Entities | Worked | (km) |
| Call Area               |           |       |        | Worked   |        |      |
| 1                       |           |       |        |          |        |      |
|                         | N1JEZ/1   | VT    | 4      | 2        | 8      | 311  |
|                         | K1WHS     | ME    | 4      | 1        | 8      | 177  |
| 3                       |           |       |        |          |        |      |
|                         | K3TUF     | PA    | 1      | 1        | 5      | 117  |
| 4                       |           |       |        |          |        |      |
|                         | W4SW      | VA    | 1      | 1        | 3      | 204  |
| 5                       |           |       |        |          |        |      |
|                         | W5LUA *   | TX    | 3      | 8        | 17     | 542  |
|                         | AA5AM     | TX    | 1      | 1        | 1      | 22   |
| 6                       |           |       |        |          |        |      |
|                         | W6OYJ     | CA    | 1      | 1        | 5      | 200  |
|                         | NC6A      | CA    | 1      | --       | 5      | 171  |
| 7                       |           |       |        |          |        |      |
|                         | N0KGM     | UT    | 1      | 1        | 2      | 24   |
| 8                       |           |       |        |          |        |      |
|                         | K2YAZ     | MI    | 2      | 1        | 3      | 91   |
| 9                       |           |       |        |          |        |      |
|                         | K3SIW/9   | IL    | 1      | 1        | 5      | 167  |
| 0                       |           |       |        |          |        |      |
|                         | W6HCC     | CO    | 3      | 1        | 5      | 259  |
|                         | K0RZ      | CO    | 2      | 1        | 6      | 125  |
|                         | W0LD      | CO    | 1      | 1        | 2      | 118  |
| <b>47 GHz</b>           |           |       |        |          |        |      |
| <b>47 GHz Standings</b> |           |       |        |          |        |      |
|                         | Call sign | State | States | DXCC     | Grids  | DX   |
|                         |           |       | Worked | Entities | Worked | (km) |
| Call Area               |           |       |        | Worked   |        |      |

|                          |                         |              |               |                 |               |             |
|--------------------------|-------------------------|--------------|---------------|-----------------|---------------|-------------|
| 1                        |                         |              |               |                 |               |             |
|                          | N1JEZ/1                 | VT           | 3             | 1               | 5             | 205         |
| 4                        |                         |              |               |                 |               |             |
|                          | W4SW                    | VA           | 1             | 1               | 1             | 174         |
| 5                        |                         |              |               |                 |               |             |
|                          | W5LUA *                 | TX           | 1             | 2               | 3             | 24          |
|                          | AA5AM                   | TX           | 1             | 1               | 1             | 22          |
| 9                        |                         |              |               |                 |               |             |
|                          | K3SIW                   | IL           | 1             | 2               | 1             | 15          |
| 0                        |                         |              |               |                 |               |             |
|                          | K0RZ                    | CO           | 2             | 1               | 6             | 126         |
|                          | W6HCC                   | CO           | 2             | 1               | 5             | 217         |
|                          |                         |              |               |                 |               |             |
| <b>75 GHz</b>            |                         |              |               |                 |               |             |
| <b>75 GHz Standings</b>  |                         |              |               |                 |               |             |
|                          |                         |              | <b>States</b> | <b>DXCC</b>     | <b>Grids</b>  | <b>DX</b>   |
|                          | <b>Call sign</b>        | <b>State</b> | <b>Worked</b> | <b>Entities</b> | <b>Worked</b> | <b>(km)</b> |
| <b>Call Area</b>         |                         |              |               | <b>Worked</b>   |               |             |
| 5                        |                         |              |               |                 |               |             |
|                          | AA5AM                   | TX           | 1             | 1               | 1             | 22          |
|                          |                         |              |               |                 |               |             |
| <b>119 GHz</b>           |                         |              |               |                 |               |             |
| <b>119 GHz Standings</b> |                         |              |               |                 |               |             |
|                          |                         |              | <b>States</b> | <b>DXCC</b>     | <b>Grids</b>  | <b>DX</b>   |
|                          | <b>Call sign</b>        | <b>State</b> | <b>Worked</b> | <b>Entities</b> | <b>Worked</b> | <b>(km)</b> |
| <b>Call Area</b>         |                         |              |               | <b>Worked</b>   |               |             |
| 1                        |                         |              |               |                 |               |             |
|                          | N1JEZ/1                 | VT           | 1             | 21              | 1             | 1.8         |
|                          |                         |              |               |                 |               |             |
|                          |                         |              |               |                 |               |             |
| <b>KEY:</b>              | * Includes EME contacts |              |               |                 |               |             |
|                          | --- = Not provided      |              |               |                 |               |             |

[illegible]

This image shows a vertical strip of white paper designed for handwriting practice. It features three horizontal lines: a solid black line at the top, a dashed black line in the middle, and another solid black line at the bottom. The space between the top and middle lines is intended for uppercase letters, while the space between the middle and bottom lines is for lowercase letters. The entire strip is oriented vertically.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

A vertical sheet of handwriting practice paper. It features a solid top line, a dashed middle line, and a solid bottom line, which are repeated down the page to provide a guide for letter height and placement. The paper is otherwise blank, with no text or other markings.

[illegible]

Now KT1R

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]