

UHF Reference Circuits

Frequency Bands 420-2450MHz

| Analog Voice Mode | SSB | FM |
|-----------------------------|------------|-------------------------------|
| Emission Designator | 2K70J3E | 11K0F3E 16K0F3E 20K0F3E |
| Transmit Power (dBW) | 3-31.7 | 3-31.7 |
| Feeder Loss (dB) | 0-10 | 0-10 |
| Transmit Antenna Gain | 0-40 | 0-40 |
| Typical EIRP (dBW) | 1-57 | 1-57 |
| Antenna Polarization | Horizontal | Vertical |
| Receiver IF Bandwidth (kHz) | 2.7 | 9, 15 |
| Receiver Noise Figure | 0.5-2 | 0.5-2 |

| Morse (CW) Mode | Morse 10-50 Bd | EME <20 Bd |
|-----------------------------|--------------------|-------------------------------------|
| Emission Designator | 150HA1A 150HJ2A | 50HOA1A 50HOJ2A |
| Transmit Power (dBW) | 3-31.7 | 17-31.7 |
| Feeder Loss (dB) | 0-2 | 0-2 |
| Transmit Antenna Gain | 0-40 | 20-40 |
| Typical EIRP (dBW) | 2-45 | 35-70 |
| Antenna Polarization | Horizontal | Horizontal, Vertical, LHCP, RHCP |
| Receiver IF Bandwidth (kHz) | 0.4 | 0.4 |
| Receiver Noise Figure | 0.5-2 | 0.5-1 |

| Digital Voice and Multimedia | 420-450MHz | 902-2450MHz |
|------------------------------|-------------------------------|--|
| Emission Designator | 2K70J2E 5K76G1E 8K10F1E | 2K70G1D 6K00F7D 16K0D1D 150KF1W |
| Transmitter Power (dBW) | 3-31.7 | 1-20 |
| Feeder Loss (dB) | 1-2 | 1-3 |
| Transmit Antenna Gain | 0-26 | 1-23 |
| Typical EIRP (dBW) | 2-56 | 1-40 |
| Antenna Polarization | Horizontal, Vertical | Horizontal, Vertical |
| Receiver IF Bandwidth (kHz) | 2.7 5.76 8.1 | 2.7,6,16,130 |
| Receiver Noise Figure (dB) | 0.5 -2 | 1-2 |