

VHF Reference Circuits

Frequency Bands 50-225MHz

Analog Voice Mode	SSB	FM
Emission Designator	2K70J3E	11K0F3E 16K0F3E 20K0F3E
Transmit Power (dBW)	3-31.7	3-31.7
Feeder Loss (dB)	1-2	1-2
Transmit Antenna Gain	0-26	0-23
Typical EIRP (dBW)	2-57.7	2-54.7
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	20-31.7
Feeder Loss (dB)	1-2	1-2
Transmit Antenna Gain	0-26	13-26
Typical EIRP (dBW)	2-56	32-56
Antenna Polarization	Horizontal	Horizontal
Receiver IF Bandwidth (kHz)	0.4	0.4
Receiver Noise Figure	0.5-2	0.5-1

	Digital Voice and Data
Emission Designator	2K70J2E 5K76G1E 8K10F1E
Transmitter Power (dBW)	3-31.7
Feeder Loss (dB)	1-2
Transmit Antenna Gain	0-26
Typical EIRP (dBW)	2-56
Antenna Polarization	Horizontal, Vertical
Receiver IF Bandwidth (kHz)	2.7 5.76 8.1
Receiver Noise Figure (dB)	0.5 -2