General	
Frequency Range	VHF:136-174 MHz UHF:400-480 MHz
Channel Capacity	1024
Zones	64
Channel Spacing	12.5KHz/25KHz
Operating Voltage	DC 13.8V (±20%)
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Transmitter	
Power Output	H: 50W./M: 25W /L: 15W.
4FSK Modulation	12.5kHz data only: 7K60FXD 12.5kHz data and voice: 7K60FXE
FM Modulation	12.5 kHz: 8K50F3E; 25 kHz: 16KΦF3E;
Modulation Limitation	+/- 2.5kHz @ 12.5kHz; +/- 5kHz @ 25kHz
FM Noise	-40dB
Spurious Emission	-36 dBm≤1GHz/-30 dBm≥1GHz
Adjacent Channel Power	≤-60dB
Frequency Response	+1/-3 dB
Audio Distortion	3%
Vocoder	AMBE3000
Receiver	
Digital Sensitivity	5% BER: 0.20 uV
Analog Sensitivity	0.20 uV (12 dB SINAD)
Intermodulation	60dB
Adjacent Channel Selectivity	60 dB
Spurious Suppression	60 dB
FM Noise	-40dB
Frequency Response	+1/-3 dB
Rated Audio Power	5W
Rated Audio Distortion	3% (Typical)
Conduction Radiation	-57dBm
GPS Precision	Horizontal Accuracy ≤-10m (with good signal)
TTFF (first location)Cold Boot	< 1 minute (with good signal)
TTFF (first location)Hot Boot	< 10seconds (with good signal)
Environmental	
Operating Temperature	-20℃—+70℃
Storage Temperature	-30℃—+85℃