BF-TM950

DMR Tier III Trunking Mobile Radio

With strong anti-interference, this efficient mobile radio works in different modes, including DMR Tier III trunking, MPT1327, DMR and analog conven tional, ensuring its interoperability with the legacy analog networks. Operated on a desktop or mounted in a vehicle, its flexible design enables great performance through its simple operation via the handheld microphone, making it an ideal solution for public security, rescue, utilities, etc.

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Communications for Efficiency and Safety

SPECIFICATION

General	
Frequency Range	UHF:350-400/400-470/450-520MHz
Channel Capacity	1024
Zones	64
Channel Spacing	12.5KHz / 25KHz
Antenna Impedance	50Ω
Operating Voltage	DC13.8V（±20%）
Size	180(L)x199(W)x63(H)mm
Weight	1.5kg
LCD Display	2.0" IPS 240*320 pixels
Vocoder	AMBE++/NVOC
Transmitter	
Output Power	High Power:45W/25W Middle Power: 10W Low Power: 5W
Frequency Stability	±0.5ppm
4FSK Modulation	12.5KHz (data only): 7K60FXD; 12.5KkHz (data and voice): 7K60FXE
FM Modulation	12.5KHz: 8K50F3E; 25KHz: 16KΦF3E
Modulation Limitation	+/-2.5KHz @ 12.5KHz; +/-5KHz @ 25KHz
FM Noise	-40dB
Spurious Emission	-36 dBm≤1GHz; -30 dBm≥1GHz
Adjacent Channel Power	≤-60dB
Audio Response	+1/-3dB
Audio Distortion	≤3%
Receiver	
Digital Sensitivity	5% BER: 0.22 uV
Analog Sensitivity	022uV(12 dB SINAD)
Intermodulation	65dB
Adjacent Channel Selectivity	60dB
Spurious Suppression	70dB
FM Noise	-40dB
Audio Response	+1/-3 dB
Rated Audio Power Output	3W
Audio Distortion	3%(typical)
Conduction Radiation	-57dBm
Environmental	
Working Temperature	-30℃——+60℃
Storage Temperature	-40℃——+85℃
Humidity Protection	MIL-STD-810C/D/E/F
Shock and Vibration	MIL-STD-810C/D/E/F
GPS	
Horizontal Accuracy	10m
TTFF (Time to First Fix) Cold Start	30s
TTFF (Time to First Fix) Hot Start	10s

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