

PMR446 WALKIE TALKIE LICENCED FREE



D313



Digital & Analog
Compatible



ARC4/AES128/
AES256
Encryption



Power
Selective



Lone
Worker



Single Call/Group
Call/All Call



VOX

Specification

General

Frequency Range	400~480MHz ; 446.0-446.2
Channel Spacing	12.5KHz / 25KHz
Channel/Zone Capacity	256 Channels /8 Zones
Operating Voltage	3.8V
Battery Capacity	950mAh
Battery Life (5/5/90)	Analog: 6.7 hours ; Digital: 7.4 hours
Vocoder Type	NAED (compatible with DMR)
Frequency Stability	±1.0ppm
Antenna Impedance	50Ω
Dimensions (without Antenna)	67mm*32.5mm*27.5mm
Weight	Around 42g

Receiver

Analog Sensitivity	0.2μV(FM @ 12dB SINAD)
Digital Sensitivity	0.22μV(typ.) (@ 5% BER)
Adjacent Channel Selectivity	60dB @ 12.5kHz/65dB @ 25kHz
Intermodulation Rejection	60dB @ 12.5kHz 60dB @ 25kHz
Blocking	84dB @ 12.5kHz/84dB @ 25kHz
Co-Channel Rejection	-12dB@ 12.5kHz/ -8dB@ 25kHz
Spurious Response Rejection	65dB @ 25kHz/65dB @ 25kHz
Rated Audio Output Power	1.0W / 16Ω
Conducted Spurious Emission	<-57dBm (9kHz~1GHz) <-47dBm (1GHz~12.75GHz)

Transmitter

RF Power	0.5W (Low) /≤2W (High)
Power Margin Variation	+2/-3dB (under Extreme Conditions)
Frequency Error	±1.0ppm
FSK Error	<5%
4FSK Transmission Bit Error Rate (BER)	≤1×10 ⁻⁴
4FSK Modulation Frequency Deviation Error	≤10.0%
Occupied Bandwidth (PDT/DMR)	≤8.5KHz
TX Attack/Release Time	≤1.5ms
Adjacent Channel Power	≤-50dB @12.5KHz ≤-60dB @25KHz
Transient Adjacent Channel Power	≤-50dB @ 12.5KHz ≤-60dB @ 25KHz
FM Modulation	16K0F3E @25KHz/ 11K0F3E @12.5KHz
4FSK Digital Modulation	12.5KHz (data only) : 7K60FXD 12.5KHz (data+voice) : 7K60FXE
Audio Distortion	≤3% @ 40% Deviation
Audio Response	+1 ~ -3dB
FM Hum and Noise	40dB @ 12.5KHz / 45dB @ 25KHz
Spurious Emission	≤-36dBm (9KHz~1GHz) ≤-30dBm (1GHz~12.75GHz)

*The above specifications are tested in accordance with applicable standards. Due to the continuous development of technology, the above index data are subject to change without notice.

Standard Accessories



Magnetic Charging Cable/
Charging Cable



Power Adapter



Earphone

