



SP 1

Professional FM Transceiver



SP1

- Power: ≤5W
- 400-480Mhz
- Battery Save
- Low Battery Warning
- Channel Lock
- Time-out Timer (TOT)
- Wide/Narrow Band
- Squelch Level
- Scan
- VOX/CTCSS/DCS
- Non Standard CTCSS Programmable
- English/Chinese voice prompt

General

Frequency range	400-470MHz
Memory channel	16
Operate Voltage	DC 3.6V
Antenna Impedance	50Ω
Operating Mode	Simplex or Semi-duplexer
Size	125x60x35mm
Channel Spacing	12.5KHz

Transmitter

Output Power	≤5W
FM Modulation(Wide, Narrow)	16K∅ F3E, 11K∅ F3E
Max freq. Deviation(Wide, Narrow)	<5K/ <2.5KHz
Spurious Radiation	<7μW
Transmitting Current	1A
CTCSS/DCS Deviation(Wide,Narrow)	0.75KHz ±50HZ, 0.37KHz ±30KHZ
Modulation Sensitivity	12mV
Modulation Distortion	<5%

Receiver

Reference Sensitivity	-122dBm(12dB SINAD)
Modulation Receive Bandwidth	5KHz
Audio Power	<0.5W
Audio Distortion	<10%
Blocking	≥85dB
Intermodulation(Wide, Narrow)	≥60dB, ≥55dB
Adjacent Channel Selectivity (Wide, Narrow)	≥65dB, ≥60dB
Spurious Rejection	≥65dB