

Rugged-Reliable Two-way Radio



- FM Radio 76-108MHz
- Squelch Tail Elimination Function
- ANI Code(DTMF&5TONE) and PTT ID
- CTCSS/DCS/2TONE/5TONE/DTMF Encode/Decode
- VFO/Channel/Priority/CTCSS/DCS Scan



STM-450/150

Rugged-Reliable Mobile Radio

<http://www.sfecom.cn>

Main Features

- Power Output: 60W/40W/25W
- 200 Memory Channels
- CTCSS & DCS/DTMF Encode/Decode
1750Hz Signal
- Channel Steps: 2.5/6.25/10/12.5/15/20/25/
30/50/100KHz
- Multi-Scan Mode: VFO scan+Channel Scan,
Priority Scan, CTCSS Scan+DCS Scan
- Wide/Narrow Bandwidth Selective: 25/12.5KHz

General

Model	STM-150	STM-450
Frequency Range	VHF	UHF
	136-174	400-470 470-520
Channel Capacity	200CH	
Battery Voltage	12V ±20%	
Antenna Impedance	50Ω	
Operating Temperature	-20 C +60 C	
Frequency Stability	± 2.5ppm	
Dimension(H*W*D) (Antenna Excluded)	160x43x158	
Weight(Antenna&Battery Included)	1.2kg	

Transmitter

RF Power Output	60W/40W/25W
Modulation Type	F3E
Maximum Deviation	≤ ±5.0KHz(Wide)/ ≤ ±2.5KHz(Narrow)
Spurious Emission	≤ 65dB Below Carrier
Modulation Distortion	≤ 5%(300-300Hz)
FM Noise	≤ -45dB(Wide)/≤-40dB(Narrow)

Receiver

Circuit Type	Double-conversion Superheterodyne
Intermediate Frequency	49.95MHz & 450KHz
Sensitivity(12dB SINAD)	0.2μV(Wide)/0.25μV(Narrow)
Squelch Selectivity	0.15μV(Wide)/0.2μV(Narrow)
Adjacent Channel Selectivity	≥ 70dB(Wide)≥ 65dB(Narrow)
Intermodulation	≥ 70dB
Spurious Rejection	≥ 65dB
Image Rejection	≥ 70dB
FM Ham and Noise	≤ -45dB(Wide)/≤ -40dB(Narrow)
Modulation Type	16OF3E/11KOF3E
Operating Bandwidth	≤ ±7KHz/≤ ±5KHz
AF Output @ 40hms	2W
Audio Distortion	≤ 5%

Above specifications are tested according to TIA/EIA-603.
Above specifications are subject to change without any notice due to technology enhancement.