

Free License Portable Radio



Licensed-free Childrens' Walkie Talkie

- 60 Channels
- 2W/0.5W Optional
- Internal Antenna
- UHF/VHF/FRS/PMR
- Torch Light at Top Side



ST35

Free License Portable Radio

<http://www.sfeecom.cn>

Main Features

- 60Channels
- High Power 2W
- Low Power 0.5W
- FRS/PMR Optional
- Internal Antenna
- VOX Function
- TOT Function
- Channel Scan
- Squel Tail Elimination
- CTCSS/DCS Encode&Decode
- Torch Light at Top Side
- Auto Battery Save
- Low Battery Alert
- PC Programmable
- Small Size & Light Weight

Accessories



General

Frequency Range:	VHF 136-174MHz UHF 400-470MHz
Channel Capacity	60channels
Operation Voltage	3.7V DC
Channel Spacing	25KHz(Wide)/12.5KHz(Narrow)
Antenna Impedance	50Ω
Battery Capacity(Li-ion Battery)	1500mAh
Battery Life (5-5-90 Duty Cycle)	15Hours
Operating Temperature	-20°C~+60°C
Frequency Stability	±2.5ppm
Dimension(W*H*D)(Projections excluded)	90*47*26mm
Weight(Antenna & Battery Included)	108g

Transmitter(ETSI EN 300 086 Testing Standard)

Bandwidth	Wide Band 25KHz	Narrow Band 12.5KHz
RF Power Output(High/Low)	2W / 0.5W	
Modulation	16KφF3E	11KφF3E
Spurious Emission	≥36dB	≥36dB
Adjacent Channel Power	≥70dB	≥60dB
Hum & Noise	≥40dB	≥36dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Modulation Limiting	+5.0KHz +2.5KHz	+2.5KHz
Modulation Distortion	Less than 5%	
Frequency Stability	±5ppm	

Receiver(ETSI EN 300 086 Testing Standard)

Bandwidth	Wide Band 25KH	Narrow Band 12.5KHz
Sensitivity(12dB SINAD)	≤0.25μV	≤0.35μV
Adjacent Channel Selectivity	≥70dB	≥60dB
Intermodulation	≥65	≥60dB
Spurious Response Rejection	≥70dB	≥70dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Hum & Noise	≥45dB	≥36dB
Audio Distortion	≤5%	
Audio Output	500mW with less than 10% distortion	

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