

Function Operation

QT/DQT

The radio's QT/DQT for each channel can be programmed by software. When the channel set the QT/DQT, the radio squelch open only if it receives a signal that uses the same QT or DQT. The radio squelch does not turn on if the same channel uses different QT / DQT calls, only lights in green, sub-CTCSS 50 groups, and digital sub-audio DCS 105 groups.

A. QT: (50 Group)

67.0	88.5	114.8	151.4	177.3	203.5	250.3
69.3	91.5	118.8	156.7	179.9	206.5	254.1
71.9	94.8	123.0	159.8	183.5	210.7	
74.4	97.4	127.3	162.2	186.2	218.1	
77.0	100.0	131.8	165.5	189.9	225.7	
79.7	103.5	136.5	167.9	192.8	229.1	
82.5	107.2	141.3	171.3	196.6	233.6	
85.4	110.9	146.2	173.8	199.5	241.8	

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Technical Specification

General		Transmitter	
Frequency range	UHF400-470MHz	RF Power	< 5W
Memory channels	16 Groups	Maximum deviation(W/N)	≤5KHz/≤2.5KHz
Operation voltage	DC3.7V	Spurious emission	≤7.5uW
Frequency stability	±2.5ppm	Adjacent channel power	≤-65dB/≤-60dB
Operation temperature	-20℃—+50℃	SNR(W/N)	≥-45dB/≥-40dB
Mode of operation	Simplex	QT/DQT (W/N)	0.7±0.1KHz/0.4±0.1KHz
Antenna impedance	50Ω	Modulation sensitivity	8—12mV
		Transmission current	≤1.2A
Receiver			
Sensitivity	-122dBm (12dB SINAD)	Adjacent channel selectivity(W/N)	≥65dB/≥60dB
Audio power	1W	Clutter suppression	≥65dB
Audio distortion	≤10%	Receiver current	≤380mA
Intermediation(W/N)	≥65dB/≥60dB		

Note: The above specifications/technical instructions are for reference only because of the continuous improvement of the technology. Please refer to the physical object.

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