

HC520 TECHNICAL SPECIFICATIONS

General	
Frequency Range	VHF: 136-174MHz UHF: 400-480MHz UHF: 440-512MHz
Channel Capacity	128 channels
Channel Spacing	25KHz (Wide Band) 20KHz (Middle Band) 12.5KHz (Narrow Band)
Phase-locked Step	5KHz, 6.25KHz
Operating Voltage	7.4V DC +/-15%
Battery Life	More than 14 Hours (1500mAh), by 5-5-90 work cycle
Frequency Stability	+/- 2.5ppm
Operating Temperature	-20°C~ +55°C
Size	100 x 60 x 35mm (with battery pack)
Weight	208g (with battery pack)

Adjacent Channel Selectivity	≥70dB	≥60dB
Intermodulation	≥65dB	≥60dB
Spurious Rejection	≥70dB	≥70dB
Audio Response	+1~-3dB (0.3~3KHz)	+1~-3dB (0.3~2.55KHz)
Hum & Noise	≥45dB	≥40dB
Audio Distortion	≤5%	
Audio Power Output	500mW/10%	

Transmitting Part (ETSI EN 300 086 Standard Test)		
	Wide Band	Narrow Band
Power Output	4W/2W/0.5W	
Modulation	16KφF3E	11KφF3E
Adjacent Channel Power	≥70dB	≥65dB
Hum & Noise	≥40dB	≥36dB
Spurious Emission	≥-36dB	≥-36dB
Audio Response	+1~-3dB (0.3~3KHz)	+1~-3dB (0.3~2.25KHz)
Audio Distortion	≤5%	