

## **Portable Radio Abell A580T**

### **General Specification**

Frequency Range	VHF: 136-174MHz UHF: 350-390MHz 400-480MHz 450-520MHz PMR446
Channel Capacity	256 Channels 16 zones
Channel Spacing	Analog: 12.5KHz/25KHz Digital: 12.5KHz
Operation Temperature	-25°C~ + 60 °C
Operation Voltage	7.5VDC
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
Battery Capacity	Li-ion DC7.4V 2200mAh
IP Rate	IP54
Standby Time	68 hours( 2200mAh)
Dimension(height*width*thickness)	132.8mm*53.8mm*32.3mm
Weight	149.4g(radio body) / 279g(with battery and antenna))

### **Receiver**

Sensitivity(12dB SINAD)	25K $\leq$ -122dBm 12.5K $\leq$ -122dBm
SNR	25K $\geq$ 45 dB 12.5K $\geq$ 40 dB
Adjacent Channel Selectivity	25K $\geq$ 65 dB 12.5K $\geq$ 60 dB
Intermodulation	25K $\geq$ 60 dB 12.5K $\geq$ 55 dB
Spurious Response Rejection	$\geq$ 65 dB
Audio Output Power	$\geq$ 1000 mW
Sensitivity Digital	0.3 $\mu$ V/BER5%
Rated Audio Distortion	$\leq$ 5%
Frequency Stability	$\pm$ 1.5ppm

### **Transmitter**

RF Power	H: 4 W(UHF) /5 W (VHF) L: 1.5W PMR: 0.5W
FM Modulation	25K/16K $\Phi$ F3E 12.5K/8K $\Phi$ F3E
4FSK Digital Modulation	12.5KHZ Data7K60FXD 12.5KHZ Data and Voice 7K60FXW
Digital Vocoder Type	AMBE+ +or SELP
Digital protocol	ETSI-TS102 361-1,-2
Harmonic	$\geq$ 70 dB
SNR (Signal-to-Noise Ration)	25K $\leq$ -45 dB 12.5K $\leq$ -40 dB
Rated Radio Distortion	$\leq$ 5%
Frequency Stability	$\pm$ 1.5 ppm
Max.Frequency Deviation	25K $\leq$ 5 kHz 12.5K $\leq$ 2.5 kHz