

The PHONWORLD 580 – PROFESSIONAL WALKIE TALKIE (no license required)

GENERAL	Frequency		UHF:400-470MHZ
	Channel		99
	Channel space		25/12.5KHZ
	Voltage		7.4vdc
	Battery capacity		4800mAh
	Battery life(5-5-90) TX@Hi power		About 14hours
	Current	standby	≤ 65mA
		receive	≤ 450mA
		transmit	≤ 2.6A @Hi power, 1.5A@low
	Frequency stability		±2.5ppm
	Work temperature		-25°C to +55°C
	Antenna impedance		50Ω
	Size(include battery, exclude antenna)		144*56*46mm
	Weight(include battery and antenna)		277g
Talking Range in Ocean		Around 25KM	
Talking Range in City		Around 10KM	

TRANSMITTER	Output power		≤15W
	Modulation		16K0F3E@25KHz, 11K0F3E@12.5KHz
	Spurious emission		-36dBm < 1GHz, -30dBm > 1GHz
	Signal to noise ratio		45dB@25KHz, 40dB@12.5KHz
	Audio distortion		≤5%
	Modulation limiting		±5.0KHz@25KHz, ±2.5KHz@12.5KHz
	Adjacent channel power		70dB@25KHz, 60dB@12.5KHz
	Audio response (300-3000Hz)		+1 ~3dB

RECEIVER	RX Sensitivity		0.25uV (12dB SINAD)
	Adjacent channel selectivity		≥55dB@12.5KHz
	Intermodulation rejection		≥55dB@12.5KHz
	Conducted Spurious emission		≤-57dB@12.5KHz
	SNR		≥40dB@12.5KHz
	Audio output power		1W@16 ohms
	Audio distortion		≤5%
	Audio response(300-3000Hz)		+1 ~ -3dB