

RL-3188M & RL-3188Z Comparison

Model	RL-3188M	RL-3188Z
		

General

Frequency range	• 156 ~ 164MHz - Weather RX 161.75~163.275MHz • 300 ~ 336MHz	• 155 ~ 164MHz - Weather RX 161.75~163.275MHz • 300 ~ 336MHz
Channel spacing	25kHz	25kHz
Type of emission	16KF3E@25KHz	16KF3E@25KHz
Operating temperature range	-20°C to +60°C	-20°C to +60°C
Frequency stability	±2.5ppm	±2.5ppm
Antenna connector	SMA (50Ω)	SMA (50Ω)
Number of memory channels	116 channels	64 channels
Power supply	7.4V 2600mA(18650)	7.4V 2600mA(18650)
Display	14*34mm	Non
Dimensions (W×H×D)	53*108*36 (mm)	53*108*35 (mm)
Weight (approximately)	260g (main unit)	260g (main unit)
Bluetooth	Option	Non
IP Rating/Humidity	IP-67	IP-67
Shock & Vibration	MIL-STD 810G	Non

Transmitter

Output power (Hi/Low)	5W / 1W	5W / 1W
Modulation Limites	±5KHz	±5KHz
Adjacent Channel Power	70dB	70dB
Conduct/Radiated Emission	$\leq -36\text{dBm}, < 1\text{GHz}$ $\leq -30\text{dBm}, > 1\text{GHz}$	$\leq -36\text{dBm}, < 1\text{GHz}$ $\leq -30\text{dBm}, > 1\text{GHz}$
Audio Distortion	3%	3%
Hum & Noise	40dB	40dB
Audio Response	+1dB~-3dB	+1dB~-3dB

Receiver

Sensitivity	-119dBm/SINAD 12dB	-119dBm/SINAD 12dB
Adjacent Channel Selectivity	70dB	70dB
Spurious Response Rejection	70dB	70dB
Intermodulation	60dB	60dB
Hum and Noise	42dB	42dB
Blocking	84dB	84dB
Conducted Spurious Emission	$\leq -57\text{dBm}, < 1\text{GHz}$ $\leq -47\text{dBm}, > 1\text{GHz}$	$\leq -57\text{dBm}, < 1\text{GHz}$ $\leq -47\text{dBm}, > 1\text{GHz}$
Audio Power Output	1000mW	1000mW
Audio Distortion	3%	3%
Audio Response	+1dB~-3dB	+1dB~-3dB