

RCI-2980WX SPECIFICATION

1.0 GENERAL

Model	RCI-2980 WX
Frequency Range	28.245 - 29.655MHz.
Emission Modes	CW/FM/AM/SSB
Frequency Control	Phase Lock Loop (PLL) synthesizer.
Frequency Tolerance	$\pm 0.005 \%$.
Frequency Stability	$\pm 0.001 \%$.
Operating Temperature Range	-30°C to +50°C.
Microphone	DYNAMIC PTT, 500 Ω
Input Voltage	13.8V DC nominal $\pm 15\%$.
Antenna Connector	UHF, SO239.

1.1 TRANSMITTER

RF Power Output	50 W: CW/AMFM 150 W: USB/LSB
Modulation	High and low level Class B, Amplitude Modulation .
FM Deviation	± 4 KHz @1KHz 30mV Audio (± 5 KHz max.)
Clarifier Range	± 5 KHz
Spurious Emissions	-50 dB.
Audio Frequency Response	300 to 2500 Hz
Antenna Impedance	50 Ohms.
Output Indicators	Meter shows relative RF output power, receive signal and SWR. Transmit LED glows red when transmitter is in operation.

1.2 RECEIVER

Sensitivity For 10dB S/N (AM)	$< 0.5 \mu\text{V}$.
Sensitivity For 20dB S/N (FM)	$< 0.5 \mu\text{V}$.
Image Rejection	> 50 dB.
Adjacent Channel Selectivity	> -55 dB.
RF Gain Control	45 dB adjustable for optimum signal reception.
Automatic Gain Control (AGC) Figure Of Merit	100 mV for 10 dB Change in Audio Output.
Squelch	Adjustable; threshold less than $0.5 \mu\text{V}$.
Noise Blanker	RF type.
Audio Output Power	3W @ 10% THD
Audio Frequency Response	300 to 2500 Hz.
Built-in Speaker	8 Ohms, 4 Watt.
External Speaker (Not Supplied)	8 Ohms; 4 Watt.