

DX 2547 Specifications

GENERAL	
Model	DX 2547
Frequency Range	26.965 - 27.405 MHz (40 Channels)
Emission Modes	AM/USB/LSB
Frequency Control	Phase Lock Loop (PLL) Synthesizer
Frequency Tolerance	0.005 %
Frequency Stability	0.001 %
Operating Temperature Range	-30°C to +50°C
Microphone	Dynamic PTT, 500 Ohms
Input Voltage (DC/AC Selectable)	13.8V DC / 110V AC 60Hz
Current Drain: Transmit (AM full mod.)	< 3.5A
Current Drain : Receive (Squelched)	≤ 0.5A
Current Drain : Receive (Max. audio output)	< 1A
Antenna Connector	UHF; SO239
Dimensions	4-3/4"H x 11-1/4"W x 13-1/2"D
Weight	12 lb.
TRANSMITTER	
RF Power Output	AM : 4W / SSB : 12W PEP
RF Transmit Modes	AM/SSB
Modulation	High and Low level Class B, Amplitude Modulation : AM and SSB
Spurious Emissions	-60 dB
Carrier Suppression	-60 dB
Audio Frequency Response	300 to 2500 Hz
Antenna Impedance	50 Ohms

Output Indicators	Meter shows relative signal strength, RF output power, SWR and AM Modulation level. Transmit LED glows red when transmitter is in operation.
RECEIVER	
Sensitivity for 10dB S/N (AM/ SSB)	< 0.5 μ V / < 0.15 μ V
IF Frequency	AM: 10.695 MHz 1st IF, 455 KHz 2nd IF
Image Rejection	-50 dB
Adjacent Channel Selectivity	-60 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 μ V
Noise Blanker	RF type
Audio Output Power	2.5W @ 10% THD
Audio Frequency Response	300 to 2500 Hz
Built-in Speaker	8 Ohms, 4 Watts
External Speaker (Not Supplied)	8 Ohms, 4 Watts