

# TR-966 SPECIFICATIONS

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## 1.0 GENERAL

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Model	TR-966
Frequency Range	26.965 ~ 27.405MHz.
Emission Modes	TR-966 : 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	Plug-in dynamic; with push-to-talk switch and coiled cord.
Input Voltage	13.8V DC nominal $\pm 15\%$ .
Current Drain : Transmit (AM full mod.)	<3.5A.
Current Drain : Receiver (Squelched)	<0.5A.
(Max. audio output)	<1.0A.
Antenna Connector	UHF, SO239.
Dimensions	7 7/8"(W) x 9 1/4" (D) x 2 3/8"(H).
Weight	5 lbs.

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## 1.1 TRANSMITTER

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RF Power Output	AM : 4W ; SSB : 12W PEP (TR-966).
RF Transmit Modes	AM/SSB (TR-966).
Modulation	High and low level Class B, Amplitude Modulation: AM and SSB (TR-966).
Spurious Emissions	-55 dB.
Carrier Suppression	-55 dB.
Audio Frequency Response	300 to 3000 Hz.
Antenna Impedance	50 Ohms.
Output Indicators	Meter shows relative RF output power. Transmit LED glows red when transmitter is in operation.

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## 1.2 RECEIVER

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Sensitivity For 10dB S/N	< 1.0 $\mu$ V.
Sensitivity For 10dB S/N (SSB)	< 0.5 $\mu$ V.
IF Frequency	AM : 10.695 MHz 1st IF, 455 KHz 2nd IF.
Image Rejection Ratio	> -65 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 $\mu$ V.
Noise Blanker	RF type.
Audio Output Power	2W @ 10% THD.
Audio Frequency Response	AM and SSB : 300 to 3000 Hz.
Built-in Speaker	8 Ohms, 4 Watts.
External Speaker (Not Supplied)	8 Ohms; 4 Watts.