

Technical Specifications:

Model		TM-271A
General		
Number of channels		Up to 200
TX frequency range		136-174MHz/400-470MHz
RX frequency range		136-174MHz/400-470MHz
Mode		F3E(FM)
Antenna impedance		50Ω
Usable temperature range		-20℃±60℃ (-4°F±140°F)
Power supply		13.8V(DC)±15% (11.7-15.8V)
Grounding method		Negative ground
Current	Transmit(max)	13A(or less)
	Receive (output power 2W)	1.0A(or less)
Frequency stability (-20℃±60℃)		within ±2.5ppm
Dimensions:(mm)		160*43*137
Weight:(kg)		1.2
Transmitter		
Power output	High	55W
	Low	Approx25W
Modulation		Reactance
Spurious emissions		<60bdB
Maximum frequency deviation		Wide: ±5kHz Narrow: ±2.5kHz
Audio distortion(at60% modulation)		<3%
Microphone impedance		600Ω
Receiver		
Circuitry		Double conversion superheterodyne
Intermediate frequency(1st/2nd)		499.95MHz/450kHz
Sensitivity (12dB SINAD)		Wide: <0.2μV Narrow: <0.25μV
Selectivity (-60dB)		Wide: >12kHz Narrow: >10kHz
Selectivity (-60dB)		Wide: <30kHz Narrow: <24kHz
Squelch sensitivity		<0.1μV

Audio output (8Ω, 5% distortion)	>2W
Audio output impedance	8Ω