

SPECIFICATIONS – SC- 280 A, SC- 281 A

Parameter	Specification
<u>General</u>	
Emission Designator	: 11K0F3E / 16K0F3E
Channel spacing	: 12.5 kHz/ 25 kHz
Power supply voltage	: 7.2V +/-15%
Current consumption	(Standby) : 70mA
	(RX) : 300mA (at Maximum Audio output)
	(TX) : 1.9A (at High Power); 1.2A (at Low Power)
Dimensions	(inches) : 5.11"H x 2.41"W x 1.42"D
	(Projection not included) (130H x 61.25W x 36D mm)
Weight (w/o Battery)	: 0.44lb (200g)
Operating Temperature	: -30 to +60 degrees Celsius
<u>Transmitter</u>	
Frequency range	: 136.000 to 156.000MHz
RF power output	(High@7.2V) : 5W
	(Low@7.2V) : 1W
Conducted spurious emissions	: >60dB
AF distortion	(@1kHz) : <5%
Maximum deviation	: +/-2.5 kHz / +/-5 kHz
Frequency stability	: +/-2.5ppm
FM noise	: >40dB
Microphone type	: Condenser
Microphone impedance	: 2000 ohms
<u>Receiver</u>	
Frequency range	: 136.000 to 156.000MHz
Circuit type	: Double-conversion super heterodyne
Intermediate Frequency	(1st) : 44.95MHz (Upper)
	(2nd) : 455kHz (Lower)
Reference sensitivity (12dB SINAD)	: 0.28uV
Adjacent channel selectivity	: >60dB
Inter modulation response	: >60dB
Spurious response rejection	: >65dB
Speaker Impedance (Rated)	: 8 ohms
Maximum AF output (@ 8ohm, 7.2V)	: >500mW