

Mobile Communications

MASTR® III
RF PACKAGE, 800 MHz

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TABLE 1 - Station Specifications

ITEM	SPECIFICATION
RECEIVER	
SENSITIVITY (12 dB SINAD)	-119 dBm (0.25 μ V)
SELECTIVITY	-90 dB @25 kHz -20 dB @ 12.5 kHz
INTERMODULATION REJECTION	-85dB
INTERMEDIATE FREQUENCY	70.2 MHz (low side injection)
IMAGE REJECTION	-100 dB
SPURIOUS RESPONSE REJECTION	-100 dB
HUM & NOISE (300-3000Hz)	-55 dB -53 dB (NPSPAC)
AUDIO RESPONSE (de-emphasis)	+1/-3 dB of 6 dB/OCTAVE (@ Line Output) +21 -8 dB of 6 dB/OCTAVE (@ Local Speaker)
FREQUENCY SPREAD (RX BW) (Synthesizer)	806-825 MHz 500 kHz
TRANSMITTER	
RATED POWER OUTPUT	100 Watts
FREQUENCY STABILITY	± 1.0 ppm
CONDUCTED SPURIOUS EMISSIONS	-36 dBm
MODULATION DEVIATION	± 5 kHz ± 4 kHz (NPSPAC)
FM HUM & NOISE (300-3000 Hz)	-55 dB -53 dB (NPSPAC)
AUDIO RESPONSE (pre-emphasis)	+1/-3 dB of 6 dB/OCTAVE
FREQUENCY SPREAD (TX Power Amp) (Synthesizer)	851-870 MHz 500 kHz

REGULATORY APPROVALS

The following equipment authorization numbers have been granted:

<u>COUNTRY</u>	<u>REGULATORY APPROVAL</u>
United States	FCC AXATR-329
Canada	Pending

MODULE NUMBERS

TRANSMIT SYNTHESIZER.....	19D902780G5
RECEIVE SYNTHESIZER.....	19D902781G5
RX FRONT END MODULE	19D902782G5
IF MODULE.....	19D902783G5
POWER AMPLIFIER.....	19D901841G3



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