MOBILE RADIO

MASTR® *Executive II* MAINTENANCE MANUAL

406-512 MHz RECEIVER

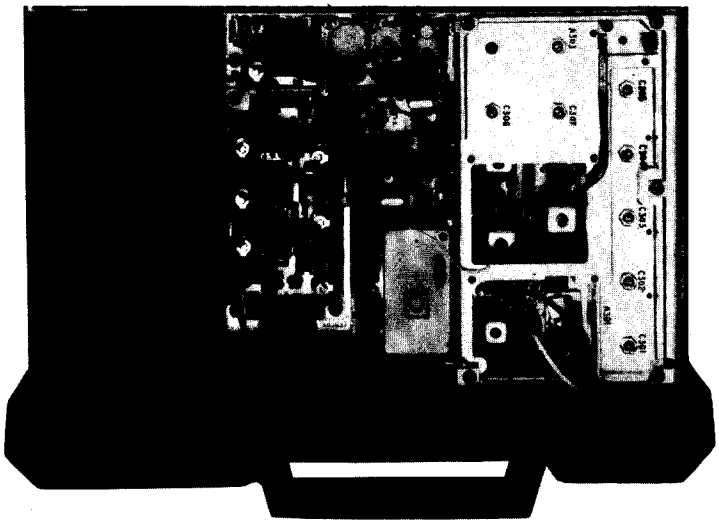

TABLE OF CONTENTS

Maintenance Manual LBI30062G
(DF1112, THIS SHEET ONLY)
406-512 MHz
MASTR EXECUTIVE II RECEIVER

GENERAL ELECTRIC

SPECIFICATIONS*

AUDIO OUTPUT (to 3.2-ohm speaker)	5 Watts at less than 5% distortion		
SENSITIVITY	Standard Receiver	Ultra-High Sensitivity Receiver	RCC and IMTS Receiver
12-dB SINAD (EIA Method)	0.35 µV	0.20 µV	0.5 µV
20-dB Quieting Method	0.50 µV	0.25 UV	0.63 µV
SELECTIVITY			
EIA Two-Signal Method	-85 dB	-85 dB	-85 dB
SPURIOUS RESPONSE	-100 dB	-90 dB	-100 dB (Tx Unkeyed) -85 dB (Tx Keyed)
INTERMODULATION (EIA)	-80 dB	-75 dB	-80 dB
SQUELCH SENSITIVITY			
Fixed Squelch	4 dB SINAD		
FREQUENCY STABILITY			
Crystal Module	0.0005%		0.0005%
ICOM	0.0002%		
MODULATION ACCEPTANCE	±7 kHz		±7 kHz

MAXIMUM FREQUENCY SEPARATION	Full Specifications	3 dB Degradation
406-470 MHz	1.60 MHz	2.0 MHz
470-512 MHz	1.50 MHz	2.0 MHz

FREQUENCY RESPONSE	Within +1 and -8 dB of a standard 6-dB per octave de-emphasis curve from 300 to 3000 Hz (1000-Hz reference)
RF INPUT IMPEDANCE	50 ohms

* These specifications are intended primarily for the use of the serviceman. Refer to the appropriate Specification Sheet for the complete specifications.

WARNING

Although the highest DC voltage in MASTR® Executive II Mobile Equipment is +12 VDC, high currents may be drawn under short circuit conditions. These currents can possibly heat metal objects such as tools, rings, watchbands, etc., enough to cause burns. Be careful when working near energized circuits!

High-level RF energy in the transmitter Power Amplifier Assembly can cause RF burns upon contact. Keep away from these circuits when the transmitter is energized!

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