

MASTR[®] *Executive II* MAINTENANCE MANUAL

851- 870 MHz RECEIVER

Maintenance Manual LBI 30480A
(DF1112, THIS SHEET ONLY)

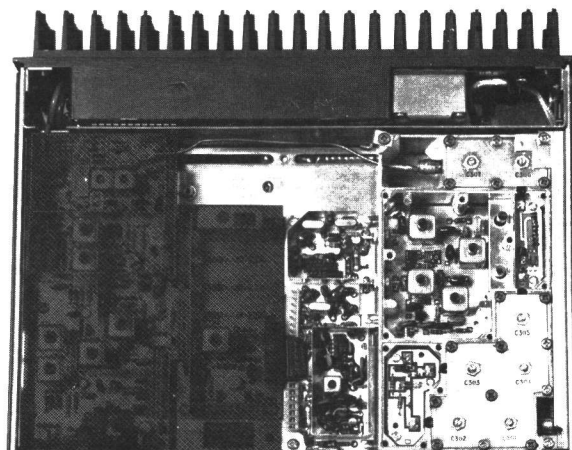


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RF ASSEMBLY	LBI30482 (DF1107)
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**851-870 MHz
MASTR EXECUTIVE II RECEIVER**

SPECIFICATIONS*

AUDIO OUTPUT (to 3.2-ohm speaker)	5 Watts at less than 5% distortion	
SENSITIVITY		
12-dB SINAD (EIA Method)	0.25 μ V	
20-dB Quieting Method	0.35 μ V	
SELECTIVITY		
EIA Two-Signal Method	-75 dB	
SPURIOUS RESPONSE	-100 dB	
INTERMODULATION (EIA)	-70 dB	
SQUELCH SENSITIVITY		
Fixed Squelch	6 dB SINAD	
FREQUENCY STABILITY	$\pm 0.0002\%$	
MODULATION ACCEPTANCE	± 7 kHz	
MAXIMUM FREQUENCY SEPARATION	<u>Full Specifications</u>	<u>3 dB Degradation</u>
	1.60 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 is 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!