

MAINTENANCE MANUAL

66-88 MHz MONITOR RECEIVER

Maintenance Manual LBI 30684 A
(DF1120, THIS SHEET ONLY)



TABLE OF CONTENTS

SPECIFICATIONS	ii
SYSTEM BOARD & ASSOCIATED ASSEMBLIES	LBI30665 (DF4101)
MAINTENANCE	LBI30685 (DF1120)
RF ASSEMBLY & MIXER/IF	LBI30555 (DF1107)
OSCILLATOR/MULTIPLIER	LBI30631 (DF1106)
IF-DETECTOR	LBI30049 (DF1105)

66-88 MHz MONITOR RECEIVER

SPECIFICATIONS*

DIMENSIONS		
Height	3.5 inches (8.89 cm)	
Width	8.4 inches (21.34 cm)	
Depth	10.6 inches (26.92 cm)	
WEIGHT		
	9.25 pounds (4.2 Kg)	
INPUT POWER		
	15 Watts	
INPUT VOLTAGE		
	121/242 VAC, 50/60 Hz	
REGULATED DC VOLTAGES		
	15 VDC @ 0.8 Amperes	
	10.0 VDC @ 0.250 Amperes	
CURRENT DRAIN (@ 121 VDC)		
Standby	0.05 Amperes	
Receive	0.12 Amperes	
AUDIO OUTPUT (to 3.2-ohm Speaker)		
	3 Watts at less than 5% distortion	
SENSITIVITY		
12-dB SINAD (EIA Method)	0.25 uV	
20-dB Quieting Method	0.35 uV	
SELECTIVITY		
EIA Two-Signal Method	-90 dB (adjacent channel, 25 kHz channels)	
	-80 dB (adjacent channel, 20 kHz channels)	
SPURIOUS RESPONSE		
	-100 dB	
FREQUENCY STABILITY		
	0.0005%	
MODULATION ACCEPTANCE		
	±7 kHz	
SQUELCH SENSITIVITY		
Fixed Squelch	6 dB SINAD	
INTERMODULATION (EIA)		
	-80 dB	25 kHz channel spacing
	-75 dB	20 kHz channel spacing
TEMPERATURE RANGE		
	-30°C to +60°C (-22°F to +140°F)	
MAXIMUM FREQUENCY SEPARATION (Multi-Frequency Units)		
	Full	3 dB
	<u>Specifications</u>	<u>Degradation</u>
66-78 MHz	0.50 MHz	1.0 MHz
77-88 MHz	0.58 MHz	1.0 MHz
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

No one should be permitted to handle any portion of the equipment that is supplied with high voltage; or to connect any external apparatus to the units while the units are supplied with power. KEEP AWAY FROM LIVE CIRCUITS!