

MAINTENANCE MANUAL

66-88 MHz MONITOR RECEIVER



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SYSTEM BOARD & ASSOCIATED ASSEMBLIES	LBI30665 (DF4101)
MAINTENANCE	LBI30685 (DF1120)
RF ASSEMBLY & MIXER/IF	LBI30555 (DF1107)
OSCILLATOR/MULTIPLIER	LBI30631 (DF1106)
IF-DETECTOR	LBI31118

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 Specifications	3 dB Degradation
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!

GENERAL ELECTRIC COMPANY • MOBILE COMMUNICATIONS DIVISION
 WORLD HEADQUARTERS • LYNCHBURG, VIRGINIA 24502 U.S.A.

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