

GE MOBILE RADIO

MASTR[®] Executive II MAINTENANCE MANUAL

406-512 MHz RECEIVER

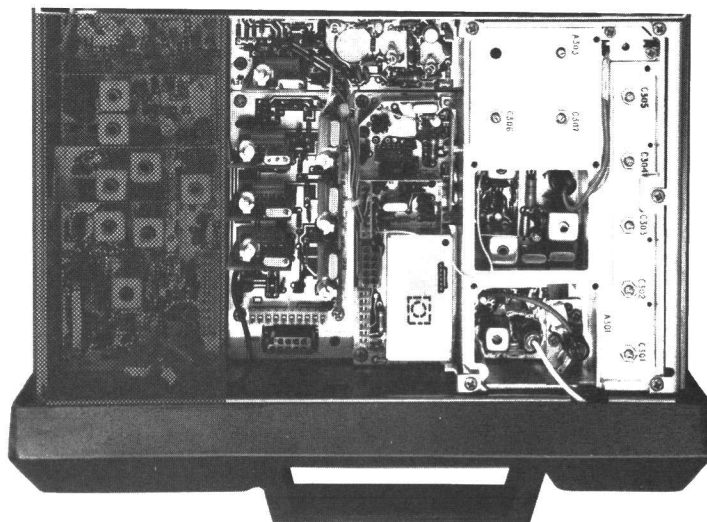


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These specifications are intended primarily for the use of the serviceman. Refer to the appropriate Specification Sheet for the complete specifications.

SPECIFICATIONS*

AUDIO OUTPUT (to 3.2-ohm speaker)

5 Watts at less than 5% distortion

SENSITIVITY

Standard
ReceiverUltra-High Sensi-
tivity ReceiverRCC and IMTS
Receiver12-dB SINAD (EIA Method)
20-dB Quieting Method0.35 μ V
0.50 μ V0.20 μ V
0.25 UV0.5 μ V
0.63 μ V

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
ICOM0.0005%
0.0002%

0.0005%

MODULATION ACCEPTANCE

 ± 7 kHz ± 7 kHz

MAXIMUM FREQUENCY SEPARATION

Full Specifications3 dB Degradation406-470 MHz
470-512 MHz1.60 MHz
1.50 MHz2.0 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

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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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