



Mobile Communications

MASTR[®] III MULTIPLE RECEIVER RF PACKAGE, 800 MHz

TABLE OF CONTENTS

RECEIVE SYNTHESIZER	LBI-39027
RECEIVE RF MODULE	LBI-39028
IF MODULE	LBI-39029

Maintenance Manual

SPECIFICATIONS*

SENSITIVITY (12 dB SINAD)	-119 dBm (0.25 μV)
SELECTIVITY	-90 dB @ 25 kHz -20 dB @ 12.5 kHz
INTERMODULATION REJECTION	-85 dB
INTERMEDIATE FREQUENCY	70.2 MHz (low side injection)
IMAGE REJECTION	-100 dB
SPURIOUS RESPONSE REJECTION	-100 dB
HUM & NOISE (300-3000 Hz)	-55 dB -53 dB (NPSPAC)
AUDIO RESPONSE (de-emphasis)	+1/-3 dB of 6 dB/Octave (@ Line Output) +21/-8 dB of 6 dB/Octave (@ Local Speaker)
FREQUENCY SPREAD (RX BW) (synthesizer)	806-825 MHz 500 kHz

*These specifications are intended primarily for the use of the serviceman. See the appropriate Specifications Sheet for the complete specifications.

REGULATORY APPROVALS

MODULE NUMBERS

The following equipment authorization numbers have been granted:

<u>COUNTRY</u>	<u>REGULATORY APPROVAL</u>	
United States	FCC	AXAER-162-A
Canada	DOC	Pending

RECEIVE SYNTHESIZER	19D902781G5
RX FRONT END MODULE	19D902782G5
IF MODULE	19D902783G5

NOTE

Repairs to this equipment should be made only by an authorized service technician or facility designated by the supplier. Any repairs, alterations or substitution of recommended parts made by the user to this equipment not approved by the manufacturer could void the user's authority to operate the equipment in addition to the manufacturer's warranty.

This manual is published by **Ericsson GE Mobile Communications Inc.**, without any warranty. Improvements and changes to this manual necessitated by typographical errors, inaccuracies of current information, or improvements to programs and/or equipment, may be made by **Ericsson GE Mobile Communications Inc.**, at any time and without notice. Such changes will be incorporated into new editions of this manual. No part of this manual may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, for any purpose, without the express written permission of **Ericsson GE Mobile Communications Inc.**

Copyright© October 1994, Ericsson GE Mobile Communications Inc.



Ericsson GE Mobile Communications Inc.
Mountain View Road • Lynchburg, Virginia 24502