

## S E R V I C E N O T E

SUPERSEDES: None

**87510A Gain-Phase Analyzer****Serial Numbers:** 0000J00000 / 3152J00152

(Firmware Revision 1.00)

**Modification eliminates incorrect Q value in the bandwidth search****To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

<b>P/N</b>	<b>Description</b>	<b>Qty.</b>
87510-86011	A1 ROM set Rev. 2	1
87510-86012	A2 ROM set Rev. 2	1
87510-90100	Manual Change Sheets *1	1

NOTE \*1: For Japanese end-user, order P/N 87510-97100

**Situation:**

At bandwidth search function, WIDTHS under MKR SEARCH Menu under MKR FCTN key, the displayed Q value will not be correct if the value is more than 100000. Example, if the correct Q value is 198721, the displayed value is 19872.

*Continued*

DATE: 01 November 1992

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: Labor 1.0 Hour	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: 30 October 1994
AUTHOR: YH	ENTITY: 3355	ADDITIONAL INFORMATION:	

**NOTE**

This error doesn't happen on GPIB. The "OUTPFILT?" returns correct Q value.

**Solution/Action:**

This bug was fixed at firmware revision 2.00 and above.

Replace six ROMs on the A1 board and two ROMs on the A2 board with new ROMs and pass the manual change sheet to the customer.

**Procedure:**

1. Remove the A1 and the A2 boards according to the Replacement Procedures in the Service Manual
2. Replace the six ROMs on the A1U43 through A1U48 of the A1 board.
3. Replace the two ROMs on the A2U1 through A2U2 of the A2 board.
4. Reinstall the A1 and A2 boards.
5. Attach the manual change sheet to the unit and return them to the customer.