

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 the different results between “OUTPRESO?” and “EQUCPARS?”.

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

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

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

Situation:

The measurement results of the resonant frequency (fr) and anti-resonant frequency (fa) may be different between the “OUTPRESO?” and the “EQUCPARS?”.

The “EQUCPARS?” outputs the frequency results fr and fa without interpolation. The closest point is chosen from the measurement points which are determined by the *Continued*

DATE: 01 November 1992

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
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
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: YH	ENTITY: 3355	AGILENT RESPONSIBLE UNTIL: 30 October 1994	
		ADDITIONAL INFORMATION:	

START/STOP frequency and the “number of points”. On the other hand, the “OUT-PRESO?” outputs the results which are interpolated from the measurement points. That is why these results are different.

Solution/Action:

This bug was fixed at the firmware revision 2.00 and above. The “EQUCPARS?” also outputs the interpolated results.

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 end-user.

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 end-user.