

S E R V I C E N O T E

SUPERSEDES: None

8751A Network Analyzer**Serial Numbers:** 0000A00000 / 9999Z99999**Firmware Revision:** 5.00**Firmware update prevents the 8751A from saving incorrect calibration data into floppy disk****To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

Part No.	Qty.	Description
08751-86231	1	ROMSET A1 REV 5.02
or 08751-86241	1	ROMSET A1 REV 5.02 for OPT.002 (IBASIC)

(Either of the ROMSETs must be ordered)

Situation:

1. Perform 1-port calibration (S11 or S22).
2. Turn ON the CAL ARRAY and turn OFF all of the other array settings in the definition of the save data.
3. Save the calibration data into the floppy disk.

Continued

DATE: May 1995

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	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		
AGILENT RESPONSIBLE UNTIL: May 1997			
AUTHOR: KI	ENTITY: 3355	ADDITIONAL INFORMATION:	



When the above setups are made, the stored calibration data in the floppy disk may stay in incorrect arrays as follows:

	Calibration data obtained	Calibration data stored in the floppy disk
Cal Array -1	E1	E2
Cal Array -2	E2	E3
Cal Array -3	E3	(empty) (Calibration data E1 is lost)

Solution/Action:

The problem is caused by a firmware bug of revision 5.00. Replacing the ROMs on the A1 board with new ROMs (REV 5.02) solves the problem.

Note:

You do NOT need to replace A2 board ROMs with new ones.

Procedure:

1. Turn the 8751A ON and confirm the firmware revision on the display is 5.00.
2. Turn the 8751A OFF.
3. Remove the top cover and the shield plate.
4. Remove the A1 board.
5. Replace the ROMs on the A1 board with the following new ROMS:

Reference Designator	For the 8751A Without Opt. 002	For the 8751A With Opt. 002
A1U43	08751-85231	08751-85241
A1U44	08751-85232	08751-85242
A1U45	08751-85233	08751-85243
A1U46	08751-85234	08751-85244
A1U47		08751-85245
A1U48		08751-85246

(included in
08751-86231)

(included in
08751-86241)

6. Reinstall the A1 board.
7. Turn the 8751A ON and confirm that the “REV5.02” is displayed and the “POWER ON TEST FAILED” message is NOT displayed.
8. Turn the 8751A OFF.
9. Reinstall the shield plate and the top cover.