S E R V I C E   N O T E

SUPERSEDES: None

8594E 9kHz-2.9GHz RF Spectrum Analyzer option 111, H93 or K94

Serial Numbers: 0000U00000 / 3443U00877

Group Delay Card (option card for opt. 111, H93 & K94) used with 11770A Link Measurement Personality Card Revision A.02.00 (or earlier) and 11768-80012 DRTS Measurement Personality Card Revision A.02.00 (or earlier).

Link Analyzer Self Verification Test Failure

Parts Required:

P/N	Description
11770A (latest revision)	Link Measurement Personality Card
11768-80017 (or later revision)	DRTS Measurement Personality Card

Situation:

There is a self test available on the 11770A and 11768-80012 Personalities. This is used to verify the performance of the group delay card in the Spectrum Analyzer. Revision A.02.00 of the 11770A and 11768-80012 Personalities do not take into account that the group delay card may use a Select On Test resistor. If the default value of this resistor was changed in the factory, the link analyzer self test will fail. The failure message implies that

Continued

DATE: February 1995

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:				
MODIFICATION RECOMMENDED				
ACTION CATEGORY:	☐ IMMEDIATELY ■ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: Labor 0.5 Hour		
LOCATION CATEGORY:	■ CUSTOMER INSTALLABLE ☐ ON-SITE ☐ SERVICE CENTER	SERVICE INVENTORY: ☐ RETURN ☐ SCRAP ☐ SEE TEXT	USED PARTS:	☐ RETURN ■ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: February 1997		
AUTHOR: JP	ENTITY: E600	ADDITIONAL INFORMATION:		

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the group delay card is faulty, however the failure is caused by the personality card.

The error is seen as follows:

Select Group Delay Verification Mode, then run Verify Card as described in the Performance Verification section of the 11770A/11768-80012 Manual. The error message "Bad PLL Centre Voltage" will be displayed in the first part of the test if the failure is going to occur.

Solution/Action:

It is recommended that the 11770A or 11768-80012 be replaced with the latest revision if this failure is seen.