

S E R V I C E N O T E

SUPERSEDES: None

8596E 9kHz-12.8GHz Microwave Spectrum Analyzer option 111, H93 or K94

Serial Numbers: 0000U00000 / 3443U00253

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: | <input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME | STANDARDS: | Labor 0.5 Hour |
| LOCATION CATEGORY: | <input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input 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: JP | ENTITY: E600 | AGILENT RESPONSIBLE UNTIL: February 1997 | |
| | | ADDITIONAL INFORMATION: | |

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.