

MODIFICATION RECOMMENDED

E5100A-35

S E R V I C E N O T E

Supersedes:
None

Agilent E5100A Network Analyzer

Serial Numbers: MY40501444-MY40501939

Residual response failed around 23.9 MHz and 39.9 MHz

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

| P/N | Description | Qty. |
|-------------|------------------------|------|
| E5100-66524 | A24 Source Board Ass'y | 1 |

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 Hours | |
| 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 | NO CHARGE AVAILABLE UNTIL: 31 December 2009 | |
| AUTHOR: SG | | PRODUCT LINE: WN | |
| ADDITIONAL INFORMATION: | | | |

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Situation:

The residual response might not be out of the specification on the following frequency points : 23.856250 MHz, 23.881250 MHz, 39.8854166 MHz, 39.8895833 MHz, 39.8958333 MHz and/or 39.9270833 MHz.

The performance test doesn't contain these frequency points.

This was caused by the characteristic variation of some parts on A24 Source Board, not caused by variation per hour.

Solution/Action:

The procedure of the residual response test is described on Service Manual, page 2-25 for Option 100/200/300/400/600 or page 3-22 for Option 118/218/318/618. Following this procedure, but check the center frequency 39.9270833 MHz additionally at the step 3.

If the result is failed, replace E5100-66524 A24 Source board.

Then required Adjustments and Verification are done. The required post repair procedures are described on Service Manual, page 16-2.