

MODIFICATION RECOMMENDED –  
CORRECTS MANUFACTURING OR DESIGN DEFECTS

**4294A-04**

# S E R V I C E N O T E

Supersedes:  
[None]

## Agilent 4294A Precision Impedance Analyzer

Serial Numbers: JP2KG00885 / JP2KG00918 (Except for JP2KG00915)

### Intermittent "POWER ON TEST FAILED" Message Due to an Artwork Problem with A8 Board

To Be Performed By: Agilent-Qualified Personnel

**Parts Required:**

| P/N         | Description              | Qty. |
|-------------|--------------------------|------|
| 04294-69508 | A8 VECTOR RATIO DETECTOR | 1    |

## ADMINISTRATIVE INFORMATION

|                                 |  |   |   |
|---------------------------------|--|---|---|
| SERVICE NOTE CLASSIFICATION:    |  |   |   |
| <b>MODIFICATION RECOMMENDED</b> |  |   |   |
| ACTION CATEGORY:                | <input type="checkbox"/> IMMEDIATELY<br><input checked="" type="checkbox"/> ON SPECIFIED FAILURE<br><input checked="" type="checkbox"/> AGREEABLE TIME | STANDARDS:<br>LABOR: 3.0 Hours  |   |
| LOCATION CATEGORY:              | <input type="checkbox"/> CUSTOMER INSTALLABLE<br><input type="checkbox"/> ON-SITE<br><input checked="" type="checkbox"/> SERVICE CENTER                | SERVICE INVENTORY: <input type="checkbox"/> RETURN<br><input type="checkbox"/> SCRAP<br><input type="checkbox"/> SEE TEXT | USED PARTS: <input checked="" type="checkbox"/> RETURN<br><input type="checkbox"/> SCRAP<br><input type="checkbox"/> SEE TEXT |
| AVAILABILITY:                   | PRODUCT'S SUPPORT LIFE   | AGILENT RESPONSIBLE UNTIL: MAY2003  |   |
| AUTHOR: HK                      | PRODUCT LINE: WN   |   |   |
| ADDITIONAL INFORMATION:         |  |   |   |

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**Situation:**

An artwork problem with the A8 board assembly intermittently causes a "POWER ON TEST FAILED" error message to occur in the power-on self test. This artwork defect does not affect the measurement performance of the 4294A.

**Solution/Action:**

It is recommended that the A8 Vector Ratio Detector board assembly (P/N 04294-66508) in the 4294A (serial numbers shown above) be replaced with new one (P/N 04294-69508). Perform the required adjustments and performance tests (Refer to 4294A Service Manual).