

MODIFICATION RECOMMENDED

# NCMC346D-01A-RECALL

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

Supersedes: NCMC346D-01-RECALL

### NCMC346D – NoiseCom Noise Source

**Serial Numbers:** A348, B724, B725, U695, U696, U697, U698, U717, U723, U724, Z386

NFA Series Noise Figure Analyzer based noise source calibration systems calibrated by Agilent Technologies between May 1, 2009 and November 08, 2010, are not able to provide consistent Excessive Noise Ratio results when testing NoiseCom noise sources at frequencies  $\leq 1$  GHz.

**Parts Required:**

| P/N  | Description | Qty. |
|------|-------------|------|
| NONE |             |      |

### ADMINISTRATIVE INFORMATION

|   |   |  |  |
|---|---|--|--|
| SERVICE NOTE CLASSIFICATION:  |   |  |  |
| <b>MODIFICATION RECOMMENDED</b>   |   |  |  |
| ACTION CATEGORY:  | <input type="checkbox"/> ON SPECIFIED FAILURE<br><input checked="" type="checkbox"/> AGREEABLE TIME   | STANDARDS  | LABOR: 1.0 Hours   |
| LOCATION CATEGORY:  | <input type="checkbox"/> CUSTOMER INSTALLABLE<br><input type="checkbox"/> ON-SITE<br><input checked="" type="checkbox"/> SERVICE CENTER<br><input type="checkbox"/> CHANNEL PARTNER | SERVICE INVENTORY: <input checked="" type="checkbox"/> RETURN<br><input type="checkbox"/> SCRAP<br><input type="checkbox"/> SEE TEXT | USED PARTS: <input type="checkbox"/> RETURN<br><input type="checkbox"/> SCRAP<br><input type="checkbox"/> SEE TEXT |
| AVAILABILITY:   | PRODUCT'S SUPPORT LIFE  | NO CHARGE AVAILABLE UNTIL: 01-JAN-2012   |  |
| AUTHOR:   | MW  | PRODUCT LINE: **   |  |
| ADDITIONAL INFORMATION:<br>Gratis Support need to be chosen as the billing type, while creating the customer order. |   |  |  |

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**Situation:**

The Quality issue is caused by a different 28V noise source drive pulse supplied by the Noise Figure Analyzer series (N8973A, N8974A and N8975A) versus the 8970A/B, Noise Figure Meter. The NoiseCom noise sources calibrate fine on Agilent's 8970 series based calibration systems because of the much slower 28V pulse. The NFA series of analyzers has a much faster pulse, which generates a ~6 dB ENR delta at 10 MHz and ~1 dB ENR delta at 100 MHz test points on the NoiseCom noise sources. At these test points the ENR values will measure lower than expected.

**Solution/Action:**

1. Customer, please contact nearest Agilent Customer Care Center and send instrument to Agilent for free calibration.
2. Agilent WCSS Service & Support to send affected products to

Noisecom  
25 Eastmans Road  
Parisippany, NJ 07054  
United States  
Phone: +1 (973) 386-9696  
Fax: +1 (973) 386-9191  
Email: [info@noisecom.com](mailto:info@noisecom.com)

for re-calibration at Agilent's expense.

3. After re-calibration Agilent to send the instrument back to the customer.