NCMC346A-01A-RECALL SERVICE NOTE

Supersedes: NCMC346A-01-RECALL

NCMC346A - NoiseCom Noise Source

Serial Numbers: N214, S212, X285, X691

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 ≤1 GHz.

Parts Required: P/N Description

Qty.

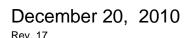
NONE

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	[[]] ON SPECIFIED FAILURE [X] AGREEABLE TIME	STANDARDS LABOR: 1.0 Hours	
LOCATION CATEGORY:	[[]] CUSTOMER INSTALLABLE [[]] ON-SITE [X] SERVICE CENTER [[]] CHANNEL PARTNER	SERVICE [X] RETURN INVENTORY: [[]] SCRAP [[]] SEE TEXT	USED [[]] RETURN PARTS: [[]] SCRAP [[]] SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 01-JAN-2012	
AUTHOR: MW		PRODUCT LINE: **	
ADDITIONAL INFORMATION:			

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

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for re-calibration at Agilent's expense.

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