

N9000A-07

# Modification Available Performance Enhancement Service Note

Supersedes:  
NONE

## N9000A CXA Signal Analyzer

Serial Numbers: MY54230695/MY54230778  
MY55360013

This is the encompassing range. Check the specific affected ranges in the text.

### Tighten the Screws on Shields of RF Board to Improve the Residual Response Performance

#### Parts Required:

| P/N | Description | Qty. |
|-----|-------------|------|
|-----|-------------|------|

NONE

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#### ADMINISTRATIVE INFORMATION

Calibration Required  
 Calibration NOT Required

PRODUCT LINE: CM  
AUTHOR: KJ

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ADDITIONAL INFORMATION:

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**Situation:**

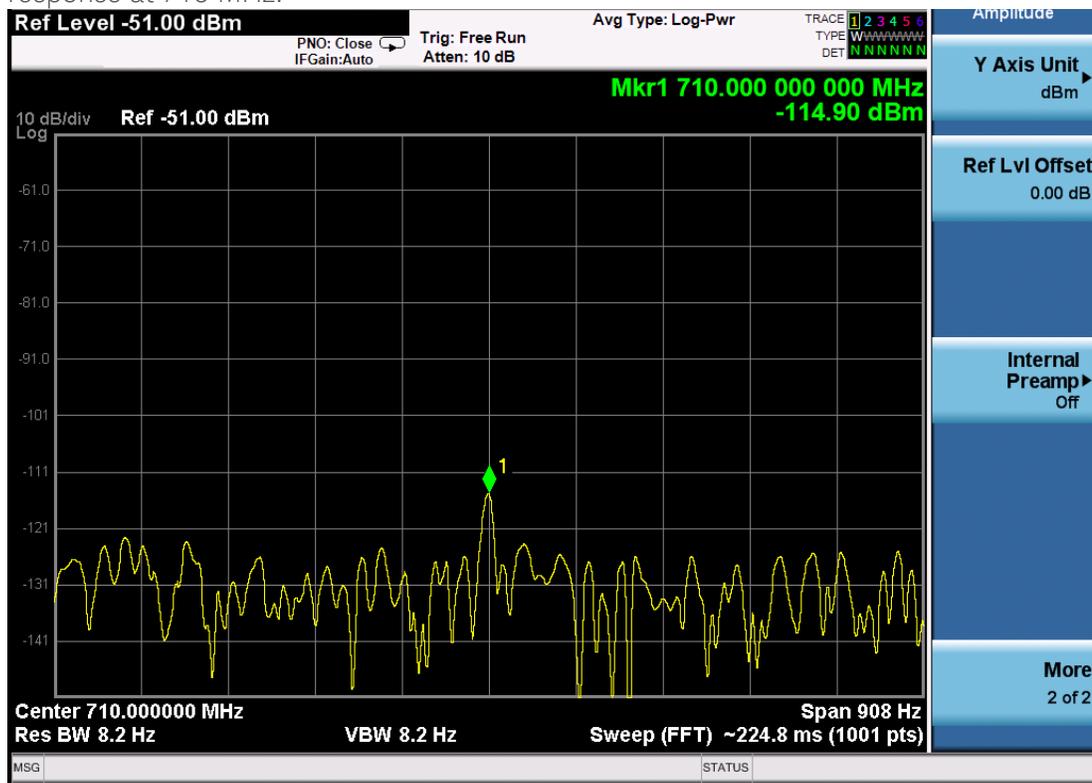
The residual response (spurious) of N9000A in the range of 700 MHz to 900 MHz may impact some of the cellular applications although the performance meets the instrument specification.

Modification is available for the below list serial numbers (range) of N9000A CXAs to improve the residual response performance.

- MY54230695
- MY54230714
- MY54230752/MY54230754
- MY54230762/MY54230763
- MY54230767/MY54230769
- MY54230772
- MY54230775/MY54230778
- MY55360013

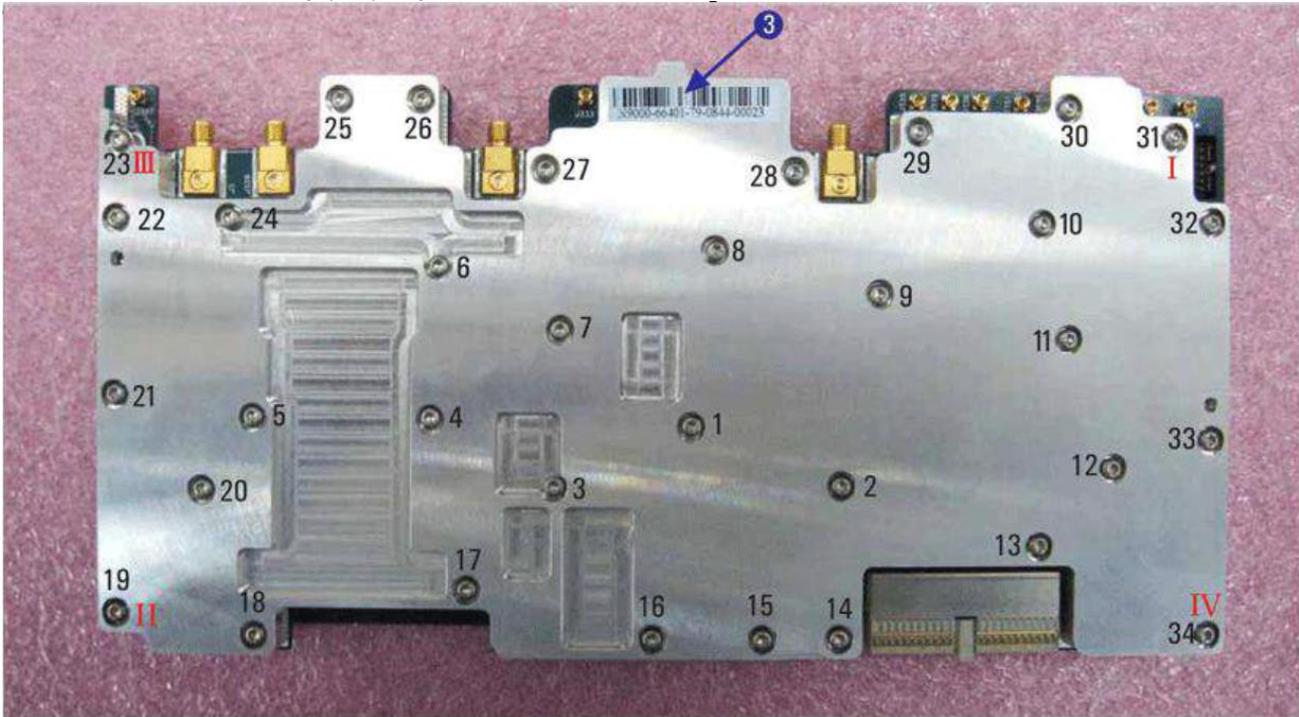
**Solution/Action:**

1. Terminate the RF input of N9000A with 50 Ohm load. Set the N9000A to verify the typical residual response at 710 MHz.



2. Shutdown the CXA. Remove the CXA's RF Assembly as described in the "Assembly Replacement Procedures, RF Assembly, Removal" in the N9000A CXA Service Guide.

3. Place the RF Assembly properly.



4. Retighten the 34 screws on the shield of RF Assembly with torque of 1.5 Nm.

5. Reinstall the RF Assembly as described in the “Assembly Replacement Procedures, RF Assembly, Replacement” in the N9000A CXA Service Guide.

6. Perform the Adjustments and Performance Verification as described in “RF Assembly Changed/Repaired, Post Repair Testing Requirements” in N9000A CXA Service Guide.

**Revision History:**

| Date        | Service Note Revision | Author | Reason for Change |
|-------------|-----------------------|--------|-------------------|
| 07 Mar 2018 | 01                    | KJ     | As Published      |
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