

MODIFICATION RECOMMENDED

N9000A-01

S E R V I C E

N O T E

Supersedes:
NONE

Agilent N9000A CXA Signal Analyzer

Serial Numbers: **MY49150013/MY49150021**
MY49370001/MY49370065

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

Enhance the ESD Protection of RF Front End

Parts Required:

P/N	Description	Qty.
0699-3574	Resistor, Fixed 0 Ohm	4

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS LABOR: 3.0 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input checked="" 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: August, 2011		
AUTHOR:	Jian Kang	PRODUCT LINE: CM	
ADDITIONAL INFORMATION:			

© AGILENT TECHNOLOGIES, INC. 2010
PRINTED IN U.S.A.

August 11, 2010

Rev. 17



Situation:

Some early shipped CXAs are with old ESD protection design on RF front end. New design on the RF front end enhances the ESD protection, and has been already implemented in production.

The affected serial numbers are as below:

MY49150013/MY49150021
MY49370001/MY49370007
MY49370009
MY49370011/MY49370013
MY49370018
MY49370020/MY49370023
MY49370026/MY49370028
MY49370030/MY49370033
MY49370035/MY49370037
MY49370039/MY49370042
MY49370044/MY49370046
MY49370048
MY49370050
MY49370052/MY49370054
MY49370058/MY49370060
MY49370062/MY49370063
MY49370065

Solution/Action:

Follow the below steps for the modification on CXA RF Assembly.

1. Remove the Analyzer's RF Assembly as described in the "Assembly Replacement Procedures, RF Assembly, Removal" in the N9000A CXA Service Guide.
2. Remove the all the 34 screws as shown below on the top shield.

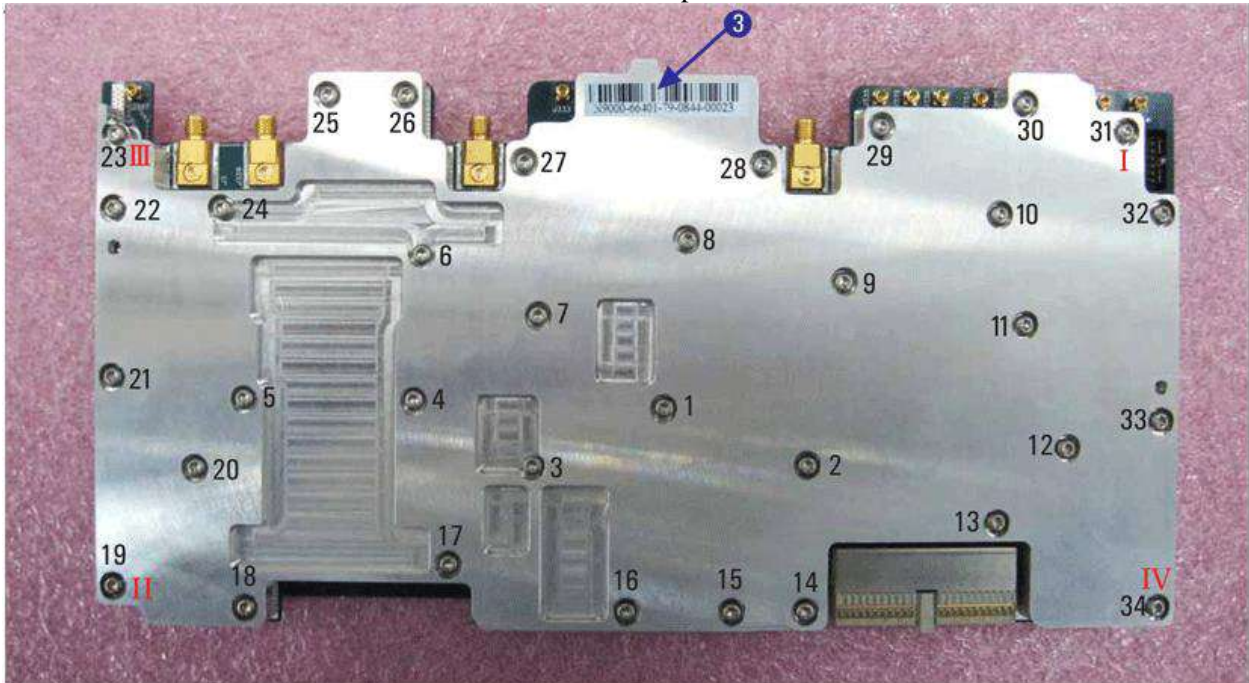


Figure 1 Screws on top shield of RF Assembly

3. Remove the top shield, bottom shield and gasket of the RF Assembly.

4. Refer to figure 2 and 3 to locate the R71, R72, R73, R74, C81, C82 on the bottom side of RF board.

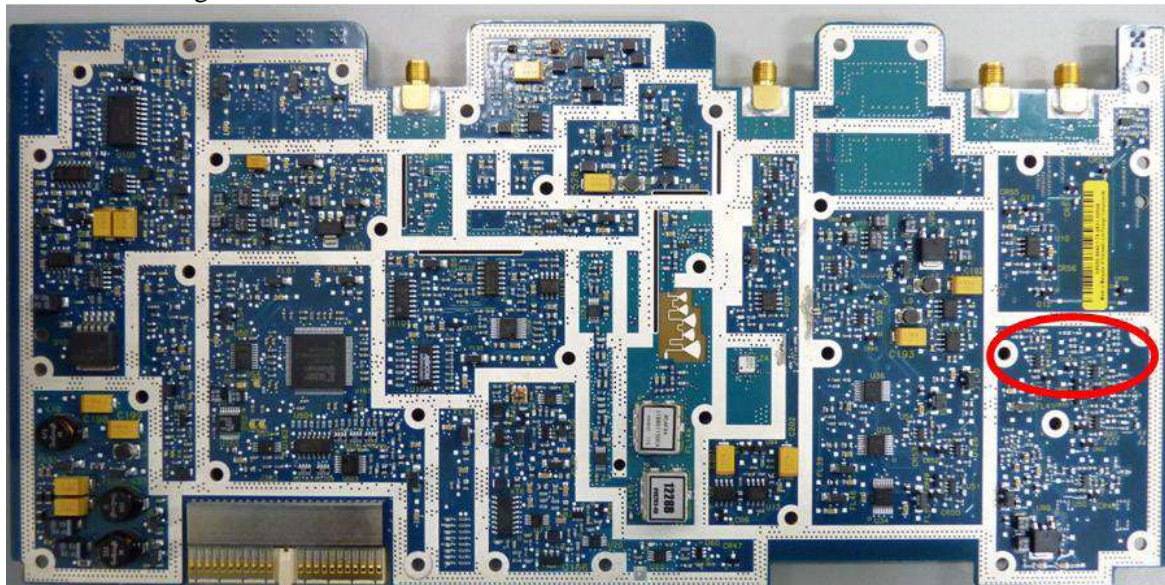


Figure 2 Bottom side of the RF board

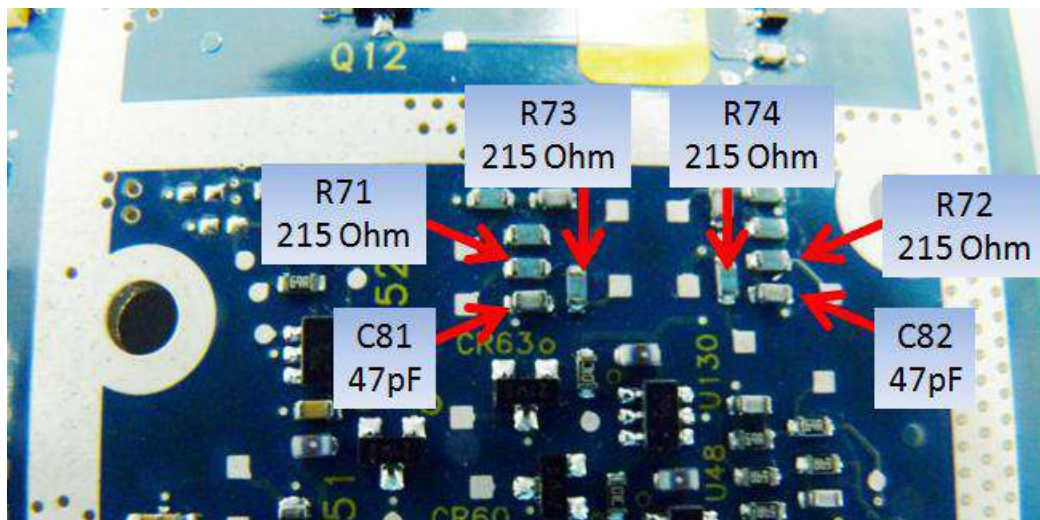


Figure 3 Location of R71, R72, R73, R74, C81, C82

5. Remove R71, R72.

6. Replace R73, R74, C81, C82 each with 0699-3574.

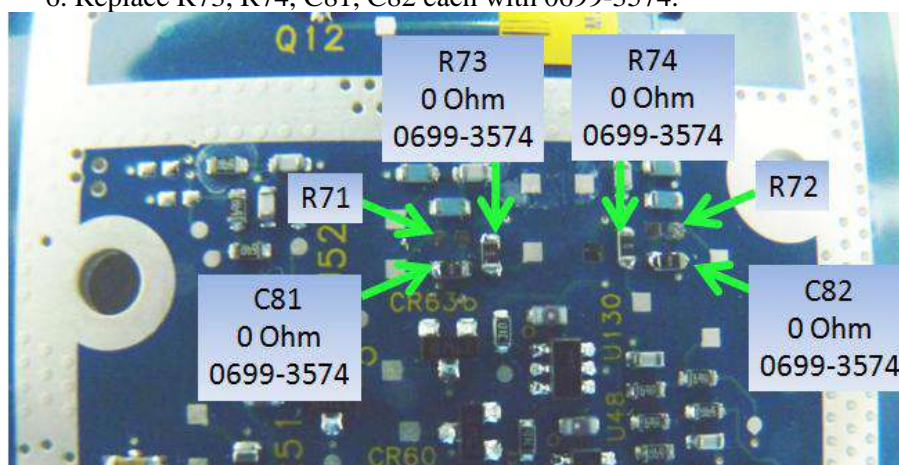


Figure 4 After removal and replacement

7. Assemble the top shield, bottom shield and gasket onto the RF board.
8. Refer to figure 1, secure 4 corner of the RF board with screws following the sequence. Torque screws hand tight.
9. Secure the RF top shield with other 30 screws and then torque all the 34 screws to 9 in-lbs.
10. Re-install the RF Assembly as described in the "Assembly Replacement Procedures, RF Assembly, Replacement" in the N9000A CXA Service Guide.
11. Perform the Adjustments and Performance Verification as described in "RF Assembly Changed/Repaired, Post Repair Testing Requirements" in N9000A CXA Service Guide.