

# MODIFICATION RECOMMENDED

## N5241A-01B

# S E R V I C E

# N O T E

Supersedes:  
N5241A-01A

## N5241A - PNA Series Microwave Network Analyzers

### Serial Numbers:

Prefix No.	MY4911...	MY4931...	MY4941...	SG4911...	SG4941...	US4941...
Suffix No.	1002 to 1007	1100	1152 to 1158	0101 to 0102	0101 to 0102	0101 to 0104
	1009 to 1011	1102 to 1104	1160	--	--	--
	1013 to 1014	--	1162 to 1168			

**Possible faulty N5241A performance due to defect in microcircuit assembly.**

### Parts Required:

P/N	Description	Qty.
5087-7315	Microcircuit Cobra Bridge	up to 5
5087-7729	Cobra Bridge Napili	0 to 1

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
<b>MODIFICATION RECOMMENDED</b>		
ACTION CATEGORY: ON SPECIFIED FAILURE		STANDARDS LABOR: 5.5 Hours (includes 4 hours of calibration time)
LOCATION CATEGORY:	X ON-SITE X SERVICE CENTER X CHANNEL PARTNER	SERVICE INVENTORY: N/A
AVAILABILITY: Through August 31, 2013		USED PARTS: RETURN
AUTHOR: MF		NO CHARGE AVAILABLE UNTIL: September 1, 2013
PRODUCT LINE: WN		
ADDITIONAL INFORMATION: This N5241A-01B service note was released Oct 29, 2010 to add a link to a web page that shows which PNAs have been reworked. PNA models affected: N5241A, N5242A, N5242AS, and N5242AH85. This Service Note to be reevaluated after August 31, 2013. History: 1) N5241A-01 dated 9-21-2010. 2) N5241A-01A, dated 10-21-2010, changed part descriptions and the Opt 029 replacement bridge from 5087-7716 to 5087-7729. More serial numbers were added. The N5241AS-01 service note was deleted due to updated list that did not include 41AS.		

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**Situation:**

There is a possibility of faulty PNA performance because of a defect in microcircuit assembly. The assembly defect has been fully resolved and Agilent is committed to replacing all affected microcircuits as soon as possible.

**Actions Required:**

- If any of the **5087-7315** microcircuits listed in the table below fail in your PNA, replace ALL with the microcircuit indicated unless this rework has already been done. (See [http://na.tm.agilent.com/pna/service/PNA\\_Microcircuits.html](http://na.tm.agilent.com/pna/service/PNA_Microcircuits.html). A green serial number on this Web page indicates the rework has already been done.) If the rework has already been done, replace only those microcircuits that fail.

Options	Reference Designator	Description	Replacement Microcircuit
All	A25, A26, A27, and A28	Test Port Bridge	5087-7315
224 or 423	A50	Combiner	

- **Option 029 only:** Reference designator A54, described as the Test Port 2 Bridge, is either the 5087-7315 or the 5087-7729 microcircuit. If either fails, replace it with the 5087-7729.
- Return the defective components using the exchange process.
- If you have replaced all of the microcircuits as per this service note, email [scott\\_stewart@agilent.com](mailto:scott_stewart@agilent.com) or [support\\_ctd-soco@agilent.com](mailto:support_ctd-soco@agilent.com), providing the instrument model and serial number along with part numbers and quantities of components that were replaced.

**NOTE:** Refer to the PNA Service Guide for instructions on removing/replacing microcircuits. To view this Service Guide information, use the following steps:

1. Go to <http://www.agilent.com>.
2. Enter your PNA model number (Ex: N5241A) in the **Search** box and click **GO**.
3. Scroll down to the heading **Manuals & Guides** and click on the title/hyperlink for the Service Guide. If you don't find your Service Guide listed on the Web page that is displayed initially, click on the **More** hyperlink.
4. When the PDF of the Service Guide is displayed, look at the bookmarks in the left column. Expand the Contents section by clicking on the plus sign next to its bookmark.
5. Scroll through the Contents section bookmarks to locate "Repair & Replacement Procedures."
6. Click on the title/hyperlink for the applicable procedure.
7. Follow the instructions of the selected procedure. The PNA contains extremely sensitive components that can be ruined if mishandled. Follow instructions carefully when making cable connections, especially wire harness connections.