

**N5242A-04****S E R V I C E N O T E**Supersedes:  
None**N5242A PNA Series Microwave Network Analyzers****Serial Numbers: See list at end of service note.****Possible faulty N5242A performance due to defect in microcircuit assembly.****Parts Required:**

<b>P/N</b>	<b>Description</b>	<b>Qty.</b>
5087-7315	Microcircuit Cobra Bridge Exchange	up to 5
5087-7716	Microcircuit Kailua Bridge Exchange	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	USED PARTS: RETURN
AVAILABILITY: Through August 31, 2013		NO CHARGE AVAILABLE UNTIL: September 1, 2013
AUTHOR: MF		PRODUCT LINE: WN
ADDITIONAL INFORMATION: This service note was released Sept 2010. PNA models affected: E8361C, E8362C, E8362CS, E8362CH85, E8363C, E8363CS, E8364C, E8364CS, N5230A, N5230C, N5230CS, N5241A, N5241AS, N5242A, N5242AS, and N5242AH85. This Service Note to be reevaluated after August 31, 2013.		

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PRINTED IN U.S.A.

September 24, 2010

Rev. 17



**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 following **5087-7315** microcircuits fail in your PNA, replace ALL with the microcircuit indicated.

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 5087-7716.
- Return the defective components using the exchange process.
- 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.

**Serial Numbers:**

Prefix No.	MY4842...	MY4932...	MY4942...	US4652...	US4742...	US4932...
Suffix No.	0959	1100 to 1102	1202 to 1213	0103	0207 to 0208	0219 to 0223
	0961 to 0962	1108 to 1109	1215 to 1216	--	--	--
	0968	1111 to 1113	1218			
	0971	1116 to 1118	1220			
	0973	1120 to 1121	1222 to 1225			
	0976	1124 to 1125	1227			
	0978	1127	1230 to 1231			
	0982 to 0983	1129	1233			
	0986 to 0988	1131 to 1135	1235 to 1240			
	0990	1142 to 1143	1243 to 1249			
	0992 to 0993	1152	1251 to 1252			
	0996	--	1257 to 1258			
	0998 to 1002		1260			
	1005		1262 to 1263			
	1008		1275			
	1010		1279			
	1013 to 1020		1282 to 1283			
	1023		1286 to 1293			
	--		1300			
			1302 to 1304			
			1306			
			1309 to 1313			
			1323 to 1329			
			1331 to 1332			
			1335			
			1342 to 1343			
			1346 to 1347			
			1353			
			1355			
			1368			
			1389			
1393						