

MODIFICATION RECOMMENDED

N5230C-04

S E R V I C E

N O T E

Supersedes:
None

N5230C PNA Series Microwave Network Analyzers

Serial Numbers: See list at end of service note.

Possible faulty N5230C Option 220 performance due to defect in microcircuit assembly.

Parts Required:

P/N	Description	Qty.
5087-6716	Microcircuit Kailua Bridge Exchange	2
<i>If above part is not available, use the following part instead:</i>		
5087-7716	Microcircuit Kailua Bridge	2

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION RECOMMENDED		
ACTION CATEGORY: AGREEABLE TIME		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 N5230C-04 service note was released May 3, 2011. PNA models affected: N5230C Option 220 and N5230A Option 220. This Service Note to be reevaluated after August 31, 2013.		

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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:

- Replace both of the microcircuits listed in the table below unless this rework has already been done. (See 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	A21 and A22	Kailua Bridge	5087-6716 or 5087-7716

- Refer to the PNA Service Guide chapter 7 for repair and post-repair procedures. To view the online Service Guide, see the numbered list below for instructions.
- Return the defective components using the exchange process.
- If you have replaced both of the microcircuits as per this service note, email scott_stewart@agilent.com or support_ctd-soco@agilent.com, providing the instrument model and serial number along with part numbers and quantities of components that were replaced.

Refer to the PNA Service Guide for instructions on removing/replacing microcircuits, post-repair adjustments/procedures, and verification/performance test. To view this Service Guide information, use the following steps:

1. Go to <http://www.agilent.com>.
2. Enter your PNA model number (Ex: N5230C) 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 bookmark hyperlinks for the repair and post-repair procedures and follow the instructions.
Successful completion of the post-repair adjustments/procedures and verification/performance tests will set the analyzer to its pre-repair condition. All pre-repair certification still applies.

NOTE: 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:

MY48100155	MY48100291	MY49000594	MY49000714	MY49000923
MY48100159	MY48100298	MY49000595	MY49000722	MY49000924
MY48100172	MY48100308	MY49000605	MY49000723	MY49000936
MY48100175	MY48100309	MY49000606	MY49000729	MY49000964
MY48100191	MY48100317	MY49000609	MY49000735	MY49000965
MY48100192	MY48100324	MY49000611	MY49000742	MY49000966
MY48100193	MY48100344	MY49000627	MY49000743	MY49000999
MY48100199	MY48100366	MY49000629	MY49000744	MY49001030
MY48100202	MY48100401	MY49000633	MY49000751	MY49001060
MY48100216	MY48100402	MY49000637	MY49000752	MY49001080
MY48100219	MY48100423	MY49000646	MY49000757	MY49001092
MY48100220	MY48100440	MY49000659	MY49000779	MY49001116
MY48100221	MY48100453	MY49000660	MY49000792	SG48100101
MY48100223	MY48100454	MY49000669	MY49000819	SG49000129
MY48100225	MY48100506	MY49000687	MY49000820	US49000611
MY48100236	MY48100507	MY49000690	MY49000821	
MY48100240	MY49000569	MY49000687	MY49000828	
MY48100254	MY49000575	MY49000690	MY49000875	
MY48100265	MY49000588	MY49000706	MY49000878	
MY48100282	MY49000591	MY49000711	MY49000896	