

MODIFICATION RECOMMENDED

N5230A-07

S E R V I C E

N O T E

Supersedes:
None

N5230A PNA Series Microwave Network Analyzers

Serial Numbers: See list at end of service note.

Possible faulty N5230A 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 N5230A-07 service note was released May 3, 2011. PNA models affected: N5230A Option 220 and N5230C Option 220. This Service Note to be reevaluated after August 31, 2013.		

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PRINTED IN U.S.A.

May 4, 2011

Rev. 18



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: 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 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:

MY46400128	MY46400441	MY46400773	MY46401009	MY46401358	SG46400113
MY46400129	MY46400451	MY46400777	MY46401010	MY46401360	SG46400116
MY46400130	MY46400454	MY46400778	MY46401017	MY46401367	SG46400117
MY46400131	MY46400467	MY46400780	MY46401030	MY46401373	SG46400118
MY46400155	MY46400476	MY46400782	MY46401041	MY46401377	SG46400119
MY46400161	MY46400482	MY46400783	MY46401080	MY46401380	SG46400120
MY46400163	MY46400483	MY46400795	MY46401085	MY46401388	SG46400138
MY46400167	MY46400484	MY46400802	MY46401098	MY46401392	SG46400142
MY46400168	MY46400486	MY46400803	MY46401099	MY46401447	SG46400145
MY46400172	MY46400539	MY46400835	MY46401119	MY46401452	SG46400146
MY46400190	MY46400543	MY46400851	MY46401121	MY46401461	
MY46400199	MY46400545	MY46400853	MY46401130	MY46401467	
MY46400201	MY46400553	MY46400854	MY46401131	MY46401477	
MY46400202	MY46400561	MY46400855	MY46401138	MY46401478	
MY46400203	MY46400562	MY46400856	MY46401139	MY46401485	
MY46400206	MY46400570	MY46400857	MY46401149	MY46401489	
MY46400208	MY46400573	MY46400859	MY46401150	MY46401490	
MY46400209	MY46400611	MY46400866	MY46401151	MY46401500	
MY46400213	MY46400617	MY46400867	MY46401154	MY46401508	
MY46400235	MY46400622	MY46400901	MY46401161	MY46401509	
MY46400249	MY46400641	MY46400908	MY46401184	MY46401539	
MY46400252	MY46400648	MY46400909	MY46401212	MY46401573	
MY46400259	MY46400649	MY46400910	MY46401217		
MY46400286	MY46400655	MY46400916	MY46401219		
MY46400287	MY46400671	MY46400935	MY46401220		
MY46400290	MY46400674	MY46400940	MY46401237		
MY46400299	MY46400676	MY46400948	MY46401245		
MY46400302	MY46400678	MY46400950	MY46401249		
MY46400312	MY46400679	MY46400960	MY46401257		
MY46400317	MY46400690	MY46400962	MY46401285		
MY46400318	MY46400695	MY46400964	MY46401293		
MY46400365	MY46400700	MY46400965	MY46401296		
MY46400368	MY46400706	MY46400967	MY46401309		
MY46400388	MY46400708	MY46400972	MY46401310		
MY46400390	MY46400730	MY46400973	MY46401313		
MY46400398	MY46400731	MY46400983	MY46401319		
MY46400420	MY46400747	MY46400990	MY46401336		
MY46400421	MY46400750	MY46400994	MY46401339		
MY46400422	MY46400756		MY46401350		
MY46400439	MY46400768		MY46401353		