N5230A-07A
S E R V I C E   N O T E

Supersedes:
N5230A-07

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

If above part is not available, use the following part instead:

P/N	Description	Qty.
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: PNA models affected: N5230A Option 220 and N5230C Option 220. This Service Note to be reevaluated after August 31, 2013. **History:** 1) The original N5230A-07 service note was released May 3, 2011. 2) N5230A-07A, dated, March 29, 2012, changed the CTD Support email address.		

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Agilent Technologies

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.

Solution/Action:

- 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 ctd-soco_support@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- MY46400131, MY46400155, MY46400161, MY46400163, MY46400167, MY46400168, MY46400172, MY46400190, MY46400199, MY46400201- MY46400203, MY46400206, MY46400208, MY46400209, MY46400213, MY46400235, MY46400249, MY46400252, MY46400259, MY46400286, MY46400287, MY46400290, MY46400299, MY46400302, MY46400312, MY46400317, MY46400318, MY46400365, MY46400368, MY46400388, MY46400390, MY46400398, MY46400420- MY46400422, MY46400439, MY46400441, MY46400451, MY46400454, MY46400467, MY46400476, MY46400482- MY46400484, MY46400486, MY46400539, MY46400543, MY46400545, MY46400553, MY46400561, MY46400562, MY46400570, MY46400573, MY46400611, MY46400617, MY46400622, MY46400641, MY46400648, MY46400649, MY46400655, MY46400671, MY46400674, MY46400676, MY46400678- MY46400690, MY46400695, MY46400700, MY46400706, MY46400708, MY46400730, MY46400731, MY46400747, MY46400750, MY46400756, MY46400768, MY46400773, MY46400777, MY46400778, MY46400780, MY46400782, MY46400783, MY46400795, MY46400802, MY46400803, MY46400835, MY46400851, MY46400853- MY46400857, MY46400859, MY46400866, MY46400867, MY46400901, MY46400908- MY46400910, MY46400916, MY46400935, MY46400940, MY46400948, MY46400950, MY46400960, MY46400962, MY46400964, MY46400965, MY46400967, MY46400972, MY46400973, MY46400983, MY46400990, MY46400994.

MY46401009, MY46401010, MY46401017, MY46401030, MY46401041, MY46401080, MY46401085, MY46401098, MY46401099, MY46401119, MY46401121, MY46401130, MY46401131, MY46401138, MY46401139, MY46401149-MY46401151, MY46401154, MY46401161, MY46401184, MY46401212, MY46401217, MY46401219, MY46401220, MY46401237, MY46401245, MY46401249, MY46401257, MY46401285, MY46401293, MY46401296, MY46401309, MY46401310, MY46401313, MY46401319, MY46401336, MY46401339, MY46401350, MY46401353, MY46401358, MY46401360, MY46401367, MY46401373, MY46401377, MY46401380, MY46401388, MY46401392, MY46401447, MY46401452, MY46401461, MY46401467, MY46401477, MY46401478, MY46401485, MY46401489, MY46401490, MY46401500, MY46401508, MY46401509, MY46401539, MY46401573.

SG46400113, SG46400116- SG46400120, SG46400138, SG46400142, SG46400145, SG46400146.