

N5224A-02

S E R V I C E N O T E

Supersedes:
None

N5224A PNA Series Microwave Network Analyzers

Serial Numbers:

MY51441013, MY51441037, MY51441038, MY51441043, MY51441044, MY51441046,
MY51441051, MY51441054, MY51441056, MY51441062, MY51441064, MY51441065

Analyzers with serial numbers listed were shipped with test set motherboards that may eventually malfunction.

Parts Required:

P/N	Description	Qty.
N5247-60001	Test Set Motherboard	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION RECOMMENDED		
ACTION CATEGORY: AGREEABLE TIME	STANDARDS LABOR: 7.0 Hours (includes 4 hours calibration)	
LOCATION CATEGORY: SERVICE CENTER	SERVICE INVENTORY: N/A	USED PARTS: SCRAP
AVAILABILITY: PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: November 2013	
Calibration Required	PRODUCT LINE: WN AUTHOR: MF	
ADDITIONAL INFORMATION: Models affected: N5224A and N5225A. Service Note N5224A-02 created October 16, 2012.		

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Situation:

Analyzers with serial numbers listed above were shipped with test set motherboards that may eventually malfunction.

Solution/Action:

NOTE: The PNA contains extremely sensitive components that can be ruined if mishandled. The person performing the work accepts responsibility for the full cost of the repair or replacement of damaged components.

All cables, including wire harnesses and ribbon cables, that are removed should be labeled for reconnection later. Follow instructions carefully when making cable connections, especially wire harness connections.

1. Replace the test set motherboard. Refer to the PNA Service Guide chapter 7 section titled, “Removing and Replacing the A23 Test Set Motherboard” for removal and reinstallation procedures. To view the online Service Guide, see the numbered list below for instructions.
2. After the analyzer has been fully reassembled, perform the post-repair procedures detailed in the PNA Service Guide chapter 7 section titled, “Post-Repair Procedures.”

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

1. Go to <http://www.agilent.com>.
2. Enter your PNA model number (Ex: N5224A) in the Search box and click **Search**.
3. Click **Manuals**.
4. Scroll down and click on the title/hyperlink for the Service Guide.
5. When the PDF of the Service Guide is displayed, use the bookmarks in the left column to find the section you need in Chapter 7.
6. Follow the instructions carefully.

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.