

MODIFICATION RECOMMENDED

N5242AH85-02A

S E R V I C E N O T E

Supersedes:
N5242AH85-02

N5242AH85 PNA Series Microwave Network Analyzers

Serial Numbers: See list at end of service note.

Possible faulty N5242A/AS/H85 performance due to defect in microcircuit assembly.

Parts Required:

P/N	Description	Qty.
5087-7315	Microcircuit Cobra Bridge	up to 5
5087-7729	Cobra Bridge Napili	0 to 1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION RECOMMENDED		
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 N5242AH85-02A service note was released Oct 2010 for the following reasons: 1) change part descriptions; 2) change the Opt 029 replacement bridge from 5087-7716 to 5087-7729; 3) add more serial numbers (due to update); 4) combine N5242A/AS/H85 serial numbers in one list. PNA models affected: N5241A, N5242A, N5242AS, and N5242AH85. This Service Note to be reevaluated after August 31, 2013. History: N5242AH85-02 dated 9-21-2010.		

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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 5087-7729.
- Return the defective components using the exchange process.
- 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.

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:

- MY47200101-MY47200107, MY47200109-MY47200114, MY47200117-MY47200118, MY47200121-MY47200124, MY47200126, MY47200128-MY47200130, MY47200132-MY47200133, MY47200136-MY47200137, MY47200139-MY47200140, MY47200142-MY47200146, MY47200148-MY47200155, MY47200160-MY47200161, MY47200165-MY47200171, MY47200173-MY47200175, MY47200177-MY47200189, MY47200193-MY47200194, MY47200198, MY47200200, MY47200202-MY47200208, MY47200210-MY47200215, MY47200217-MY47200219, MY47200221-MY47200225, MY47200227-MY47200228, MY47200230-MY47200236, MY47200240
- MY47420260-MY47420261, MY47420266, MY47420273-MY47420274, MY47420277-MY47420283, MY47420286-MY47420289, MY47420291-MY47420294, MY47420296-MY47420299, MY47420301-MY47420303, MY47420305-MY47420316, MY47420318, MY47420324-MY47420333, MY47420335-MY47420343, MY47420347-MY47420349, MY47420351-MY47420352, MY47420354-MY47420360, MY47420362-MY47420365, MY47420367-MY47420380, MY47420384-MY47420397, MY47420399-MY47420400, MY47420405, MY47420409-MY47420410
- MY48220502-MY48220504, MY48220507, MY48220520-MY48220521, MY48220523-MY48220524, MY48220526, MY48220528-MY48220530, MY48220532, MY48220534-MY48220537, MY48220539, MY48220542-MY48220543, MY48220546-MY48220548, MY48220552-MY48220553, MY48220556-MY48220564, MY48220566-MY48220568, MY48220570, MY48220572-MY48220576, MY48220578, MY48220580-MY48220584, MY48220589-MY48220592, MY48220594-MY48220596, MY48220599-MY48220605
- MY48320666-MY48320670, MY48320672-MY48320676, MY48320679-MY48320688, MY48320693, MY48320695, MY48320697-MY48320703, MY48320707, MY48320712-MY48320718, MY48320721, MY48320723-MY48320724, MY48320726-MY48320728, MY48320731, MY48320733-MY48320735, MY48320737-MY48320741, MY48320743, MY48320745, MY48320747-MY48320748, MY48320750
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- MY48520151-0 MY4852170, MY48520172-MY48520180
- MY49321100-MY49321102, MY49321105, MY49321108-MY49321109, MY49321111-MY49321113, MY49321116-MY49321118, MY49321120-MY49320021, MY49321124-MY49321125, MY49321127, MY49321129, MY49321131-MY49321135, MY49321142-MY49321143, MY49321152
- MY49370200-MY49370202
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- MY49470252-MY49470254, MY49470263, MY49470265-MY49470266
- MY50071004-MY50071008
- SG47200101-SG47200104
- SG47420101-SG47420103
- SG48220101-SG48220105
- SG48320101-SG48320102
- SG48420101-SG48420110, SG48420112
- SG48520101

- SG49321100-SG49321103
- SG49420101-SG49420102
- US46520101-US46520107, US46520109-US46520110, US46520112-US46520115, US46520117, US46520119, US46520122, US46520124, US46520127, US46520129, US46520131-US46520141, US46520143-US46520147, US46520154, US46520156-US46520187
- US47420189-US47420196, US47420201, US47420207-US47420208
- US48020200, US48020202-US48020221, US48020223-US48020224, US48020226-US48020227, US48020229, US48020233-US48020234
- US48320222, US48320228, US48320230-US48320231, US48320235
- US49320219-US49320223