

# E8361A-09

## S E R V I C E N O T E

Supersedes:  
NONE

### E8361A PNA Microwave Network Analyzer

Serial Numbers:

- US43140840 through US43140842
- US43140844 and US43140845
- US43140848 and US43140849
- US43140851 through US43140859
- US43140861

**A few E8361A PNA instruments have incorrect capacitors loaded on the Frequency Reference board, so the board should be replaced.**

**To Be Performed By: Agilent-qualified personnel or customer with specific product repair knowledge – requires instrument disassembly, printed circuit board replacement, and performance of the Frequency Accuracy Test in chapter 3 of the E8361A Service Guide (E8361-90001).**

**Parts Required:**

P/N	Description	Qty.
E8364-60136	Frequency Reference board	1

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	IMMEDIATELY ON SPECIFIED FAILURE X AGREEABLE TIME	STANDARDS	LABOR: 1.0 Hour (Labor includes time to perform Frequency Accuracy Test.)
LOCATION CATEGORY:	X CUSTOMER INSTALLABLE X ON-SITE X SERVICE CENTER	SERVICE INVENTORY: N/A	USED PARTS: RETURN X SCRAP SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: END OF PRODUCT'S SUPPORT LIFE.	
AUTHOR: MF	PRODUCT LINE: WN		
ADDITIONAL INFORMATION: This Service Note applies only to the E8361A PNA model. Service Note E8361A-09 was written Feb 8, 2008.			

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**Situation:**

The E8361A Frequency Reference board (Agilent part number E8364-60136) was designed correctly, but our vendor's automated assembly process loaded incorrect capacitors on a few boards. There is no risk that the PNA will make inaccurate measurements. There is only a risk that the board will stop functioning and cause the PNA to not operate at all.

**Solution/Action:**

Although Agilent believes that there is minimal chance that the PNA will fail to continue working as expected, we are recommending that the Frequency Reference board be replaced at your earliest convenience.

We will be happy to work closely with you to find the best time and location to replace this board.

Customers who have a skilled technician and appropriate tools can replace the board themselves. After the board has been replaced and the analyzer reassembled, perform the Frequency Accuracy Test in chapter 3 of the Service Guide (E8361-90001).

*When the Frequency Reference board has been replaced, please notify Agilent, including the serial number of the analyzer. Send your email to SUPPORT,CTD-SOCO, or call the Component Test Hotline at (707) 577-6802 and leave a message.*

To view the Service Guide information online, use the following steps:

- A. Go to <http://www.agilent.com>.
- B. Enter E8361A in the Search function and click **Search**.
- C. Click on **Manuals**.
- D. 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.
- E. When the PDF of the Service Guide is displayed, scroll through the Contents and click on Index.
- F. Scroll through the Index and click on Frequency Accuracy Test.