

# E5062A-08B

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

Supersedes:  
E5062A-08A

## E5062A ENA Series Network Analyzer, 300kHz to 3GHz

Serial Numbers: MY44100001 to MY44206766, SG44100001 to SG44200502

**Source level might decrease gradually and become out of spec.**

**Parts Required:**

P/N	Description	Qty.
N/A		

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
<b>MODIFICATION AVAILABLE</b>	
ACTION CATEGORY::	AGREEABLE TIME
	<input type="checkbox"/> PERFORMANCE ENHANCEMENT <input checked="" type="checkbox"/> SERVICE / RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE (active On-site contract required) <input checked="" type="checkbox"/> SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNERS
	AVAILABILITY: Until End of Support
	<input checked="" type="checkbox"/> Calibration Required <input type="checkbox"/> Calibration NOT Required
	PRODUCT LINE: WN AUTHOR: jm
ADDITIONAL INFORMATION:	

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**Situation:**

Source level might decrease gradually and become out of spec.  
It might occur whether customer turn on a unit or not.

**Solution/Action:**

1. Perform the following adjustments by using E5061A/ E5062A Adjustment Program Version A.02.00 or later.
  - ✓ Synthesizer Gain Adjustment
  - ✓ Local Output Power Adjustment
  - ✓ Source Output Power Adjustment
  - ✓ Receiver IF Range Adjustment
  - ✓ Receiver Ports Characteristics Adjustment
  
2. Perform the verification tests.
  - ✓ “To execute the Diagnostic Test” on Chapter 4 → Troubleshooting → “Troubleshooting Using Diagnostic Test” on E5061/ E5062A service manual.
  - ✓ Frequency Accuracy Test
  - ✓ RF Output Level Accuracy and Flatness Test
  - ✓ RF Output Level Linearity Test
  - ✓ Trace Noise Test
  - ✓ Crosstalk & System Dynamic Range Test
  - ✓ Dynamic Accuracy Test
  - ✓ Uncorrected System Performance Test
  
3. If there is a FAIL test, replace A1 Source Board.  
If there is no FAIL test, verification is done correctly.

**Revision History:**

Revision Number	Date	Author	Reason For Change
1.0	Oct 2009	jm	As published
1.1	Mar 2011	jm	
1.2	June 2013	ls	Add availability date