

MODIFICATION AVAILABLE – PERFORMANCE ENHANCEMENT  
 CHARGEABLE TO CUSTOMER SERVICE / RELIABILITY  
 ENHANCEMENT CHARGEABLE TO CONTRACT IF THERE IS ONE.

# E4402B-14

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

Supersedes:  
 NONE

### E4402B 3.0 GHz ESA Spectrum Analyzer

**Serial Numbers Malaysia Manufactured: MY41442008 / MY41442066**

**Serial Numbers Singapore Manufactured: SG43330067 / SG43330069**

**An incorrectly manufactured transformer used in the 2<sup>nd</sup> Converter may cause no L.O. Feedthrough or other input signals to be viewed on the display of the ESA at initial power up.**

**To Be Performed By: Agilent Service Centers Only unless the customer has the required equipment and PC based software to perform the ESA Adjustment and Performance tests.**

P/N	Description	Qty.
5086-7958	2 <sup>nd</sup> Converter Assy.	1

### 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 checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL: April, 2006
AUTHOR: BAD      PRODUCT LINE: 12		
ADDITIONAL INFORMATION: Scrap any defectives since the 2 <sup>nd</sup> Converter is not an exchange item.		

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**Situation:**

Incorrectly manufactured transformers installed on a small printed circuit board used inside the 2<sup>nd</sup> Converter may cause no L.O. Feedthrough or no signals to be viewed on the display of the ESA at initial power up for the serial range specified above. Once the instrument warms up for a few minutes, the L.O. Feedthrough and other input signals may appear on the analyzer display.

**Solution/Action:**

If an instrument within the serial number range specified above is not displaying the L.O. Feedthrough signal or any other input signals, the 2<sup>nd</sup> Converter may be the root cause. Agilent recommends that the 2<sup>nd</sup> Converter should be changed. Once the 2<sup>nd</sup> Converter is changed, verify the cold start up issue with the L.O. Feedthrough and other input signals is now operating correctly. The following tests should be performed after the 2<sup>nd</sup> Converter is changed:

**Performance Tests:**

- Displayed Average Noise Level
- Frequency Response
- Residual FM