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

E4407B-13

S E R V I C E N O T E

Supersedes:
NONE

E4407B 26.5 GHz ESA Spectrum Analyzer

Serial Numbers Malaysia Manufactured: MY41444585 / MY41444642
Serial Numbers Singapore Manufactured: SG43330281 / SG43330329, SG43360079 / SG43360089

An incorrectly manufactured transformer used in the 2nd 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	2nd Converter Assy.	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION AVAILABLE

ACTION CATEGORY:	AGREEABLE TIME	[[]] PERFORMANCE ENHANCEMENT X SERVICE / RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	X CUSTOMER INSTALLABLE [[]] ON-SITE X SERVICE CENTER	AVAILABLE UNTIL: April, 2006

AUTHOR: BAD PRODUCT LINE: 12

ADDITIONAL INFORMATION: Scrap any defectives since the 2nd Converter is not an exchange item.

Agilent Technologies

April 2, 2004

Situation:
Incorrectly manufactured transformers installed on a small printed circuit board used inside the 2nd 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 2nd Converter may be the root cause. Agilent recommends that the 2nd Converter should be changed. Once the 2nd 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 2nd Converter is changed:

Adjustment Test:
- IF Input Correction (Option AYZ Only)

Performance Tests:
- Displayed Average Noise Level
- Frequency Response
- Residual FM