

S E R V I C E N O T E

SUPERSEDES: NONE

E4411B Spectrum Analyzer

Serial Numbers: See Below

Frequency Response (less than 50kHz) MAY fail the +/- 0.5dB table 1.1 specification.**Duplicate Service Notes:**

E4401B-03 S/N US39050101 / US39440309
 E4402B-02 S/N US39010101 / US39440782
 E4403B-02 S/N US39010101 / US39440355
 E4404B-02 S/N US39050101 / US39440353
 E4405B-02 S/N US39050101 / US39440265
 E4407B-02 S/N US39010101 / US39440687
 E4408B-02 S/N US39050101 / US39440252
 E4411B-02 S/N US39050101 / US39440759

To Be Performed By:

Agilent-Qualified Personnel who have the ability to run the ESA PC based Performance Test & Adjustment software. Agilent Technologies Service Centers have this software and the necessary test equipment available at their facility. Customers may have purchased the N2717A software product, which will allow them to perform the necessary testing if the failure occurs.

Continued

DATE: February 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 0.5 Hours
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUS/MER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVEN/RV:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: BD	ENTITY: 5330	AGILENT RESPONSIBLE UNTIL: February 2002	
		ADDITIONAL INFORMATION: If the customer has the N2717A, they can perform the test.	

Parts Required to verify failure:

Part Number	Description
E4401-90132	Calibration Guide
(*) 8663A	Synthesized signal generator
(+) 83630/40/50B	
(+) 83620/30/40/50B	Synthesized Sweeper
33120A or 3325B	Function Generator
E4419A	Power Meter
8482A	Power Sensor, 2 required
8485A	Microwave Power Sensor
(-) 11667A	Power Splitter
(\$)11667B	Microwave Power Splitter
3458A	Digital Multimeter
1250-1749	Adapter, APC 3.5(f) to APC 3.5(f)
1250-1475	Adapter, Type N(m) to Type N(m)
1251-2277	Dual banana plug to BNC(f)
1250-0781	BNC Tee (BNC f,m,f)
10503A	Cable, BNC, (48-inch) 2 required
11500D	Cable, Type-N (60 inch)
8120-4921	Cable, APC 3.5mm
11593A	50-Ohm Termination

(*) E4401B and E4411B ONLY

(+) All models except E4401B and E4411B

(-) E4401B/02B/03B/11B ONLY

(\$) E4404B/05B/07B/08B ONLY

Situation:

Instruments leaving the factory can fail the low Frequency Response specification less than 50kHz. Manufacturing discovered a software problem where incorrect low frequency flatness correction values were being loaded into the instrument memory.

Solution / Action:

Perform the Frequency Response test using the automated software (N2717A) or run the test manually as per the ESA Calibration Guide. If the test fails, you will need to load new flatness correction values into the analyzer by using the N2717A Performance Test Adjustment software or sending the instrument into an Agilent Technologies customer service center. The instrument will be adjusted at no charge.