

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E4445A-10B

S E R V I C E N O T E

Supersedes:
E4445A-10A

PSA Series Spectrum Analyzer E4445A with Option 1DS

**Serial Numbers: US00000000 / US41420159
MY00000000 / MY41000054**

Our quality records for the serial number range listed above indicates that the A22 internal preamp, p/n E4440-60015, fail rate is higher than normal. The preamp is used in instruments with option 1DS. This failure is caused by a vendor-supplied component in the assembly. A newly designed preamp is available (p/n E4440-60174) that eliminates this problem

To Be Performed By: Agilent Service Personnel

Parts Required:

P/N	Description	Qty.
E4440-60174	Preamp, 3 GHz	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 4.0 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	2 Years	AGILENT RESPONSIBLE UNTIL: January 1, 2007	
AUTHOR: BS	PRODUCT LINE: 12		
ADDITIONAL INFORMATION:			

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Note: See Solution /Action section of this service note regarding early instruments with 48 Mb memory cards. Some instruments may also require the E4440-60094 Memory Replacement Kit

Situation:

Instruments within the above serial number range may be affected by a failure of the preamp P/N E4440-60015. A failure can occur during the periodic alignment procedure performed automatically by the instrument. Several error messages will be displayed including the following error message:

Align_RF_Gain_Preamp

Solution/Action:

This service note should only be performed on instruments within the above serial number range and have Option 1DS.

1. Replace the E4440-60015 preamp in all instruments within the serial number range listed above, with the preamp P/N E4440-60174. If the preamp currently installed in the instrument is P/N E4440-60174, this service note does not apply.
2. Update the instrument firmware if necessary to firmware revision A.06.04 or later.

NOTE:

The E4440-60174 replacement Preamp requires Firmware A.06.04 or later in order to avoid false preamp enable pulses when using option B78 CDMA-2000.

The latest firmware is available on the PSA Series Firmware Upgrade page at :
www.agilent.com/find/psa_firmware

If the instrument has 48 Mb memory, the personalities previously loaded may no longer fit. Use the memory calculator on the PSA series firmware upgrade page to determine if the personalities desired will fit. Install the E4440-60094 Memory Replacement kit if needed.

3. A label must be applied to the rear of the instrument indicating that this service note has been performed. This label will need to be created at the service center.

Example label:
Service Note
E4445A-10B

Note:

Also see service notes E4445A-11B and E4445A-12B. If they are also applied to the instrument, include them on the label.