

S E R V I C E N O T E

SUPERSEDES: NONE

E4411A Spectrum Analyzer (Model Number ESA-L1500A)

Serial Numbers: US36450101 / US37451286

(Exceptions: US37451120, US37451121, US37451122, US37451123, US37451124, US37451143, US37451203, US37451212, US37451223, US37451229, US37451230, US37451238, US37451243, US37451253, US37451256, US37451261, US37451263, US37451264, US37451266, US37451268, US37451270, US37451272, US37451277, US37451279, US37451281, US37451284)

Recommended Power Supply Upgrade for 220 VAC Operation

To Be Performed By: Agilent Service Center

NOTE 1:

This Service Note is intended for instruments of customers who live in countries which operate on 220 VAC Line Power.

NOTE 2:

High Potential or Dielectric Withstand Test (HI-POT) Test Equipment is required for this procedure. Transship to a Service Center with this capability, if necessary.

Continued

DATE: February 1999

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 1.75 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
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: RA	ENTITY: 5320	AGILENT RESPONSIBLE UNTIL: February 2002	
		ADDITIONAL INFORMATION: Scrap Old E4401-60063 PS Daughter Boards.	



Parts Required:

P/N	Description	Quantity
E4411-60021	Power Supply Serial Bus Upgrade Kit	1

Situation:

Older E4411As are susceptible to power-on damage from spurs and transients at high line voltages.

Solution / Action:

Component-level modifications to the Power Supply assembly have been defined to correct this problem. A Power Supply Upgrade Kit has been set up for Service Centers and it contains an Installation Note, a new Controller Daughter Board, and several discrete through-hole components to upgrade the Main Power Supply board. This is the same upgrade kit which is shared with Service Note E4411A-09.

The Service Center should perform this upgrade on all units in the serial number range listed above if the instrument is used in a country which operates on 220 VAC line power. Prior to replacing the assembly, verify whether the upgrade has already been performed by looking at the serial number label on the rear of the unit and checking for the note "SN E4411A-09 Installed" or "SN E4411A-15 Installed".

To perform the upgrade, order the "Power Supply Serial Bus Upgrade Kit" specified above and follow the instructions in the Installation Note. Ensure that appropriate safety and ESD procedures are followed as identified in Chapter 1 of the Service Guide. Also ensure that the Power Supply post-repair procedures are performed including the High Potential or Dielectric Withstand Test (HI-POT). After the replacement procedure has been completed, identify the upgrade performed by writing "SN E4411A-15 Installed" with indelible ink at the bottom of the serial number label on the rear of the unit.

If the instrument is sent in for a standard repair, code the CSO according to the repair type and also note that "Service Note E4411A-15 was performed" in the Details section of the CSO. If only the upgrade was performed, code the CSO as Warranty Type Subtype 02G / Repair Class SN and write "per Service Note E4411A-15" in the Details section of the CSO.