

S E R V I C E N O T E

SUPERSEDES: None

Agilent E4418B EPM Power Meter

Serial Numbers: GB00000000 / GB99999999
MY00000000 / MY99999999
US00000000 / US99999999



Failure to take heed of the information contained in this safety service note may lead to a repaired unit failing to meet the creepage and creepage requirements for the altitude specification of 3,000m. In this instance, the unit will fail to comply with the following standards; IEC 61010-1:92, EN 61010:93 and CSA C22.2 No 1010-1:92. Agilent currently claim compliance with these standards in the unit specifications.

Additional Regulatory Information For Power Supply Replacement

Duplicate Service Notes: E4419B-08-S

To Be Performed By: Agilent Qualified Personnel or Customer

Continued

DATE: October 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		SAFETY	
ACTION CATEGORY:	<input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: 0.25 hours	LABOR
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	ALWAYS	AGILENT RESPONSIBLE UNTIL : ALWAYS	
AUTHOR: FC	ENTITY: E600	ADDITIONAL INFORMATION:	

© 2000 AGILENT TECHNOLOGIES
PRINTED IN U.S.A.



Situation:

It has been highlighted that the force-fit connector connecting the earth wire to the Power Supply Unit can be fitted in two different ways.

By fitting the connector with the bottom (flat) side facing the large capacitor on the Power Supply Unit, the gap between them is maximised (approximately 2mm).

By fitting the connector with the top (rounded) side facing the large capacitor on the Power Supply Unit, the gap between them is minimised (approximately 1.2mm).

The gap should be maximised at all times to ensure the unit meets the design and regulatory requirements relating to electrical insulation. This requirement is such that the gap should be at least 1.71mm.

Solution / Action:

During the replacement of the Power Supply Unit, the force-fit connector will be disconnected.

Ensure that this connector is re-fitted such that the bottom (flat) side of it is facing the large capacitor on the Power Supply Unit.



Figure 1: Correct orientation of force-fit connector.