

INFORMATION ONLY – DOES NOT COMMUNICATE
A MODIFICATION OR SAFETY CONDITION

E4416A-03

S E R V I C E N O T E

Supersedes:
NONE

E4416A, Power Meter

Serial Numbers: GB40320101 / GB41290623

Latent Daughter Board Defect Creating A Measurement board Error

Parts Required:

P/N	Description	Qty.
E4416-6002	Daughter Assy.	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR: [initials] PRODUCT LINE: PN

ADDITIONAL INFORMATION:

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Situation:

A batch defect with component U3 on the daughter board assembly has been identified. To date, (10-Oct-2001), this defect has caused 6 failures in the manufacturing area, and 2 failures at customer sites. The failing component is a voltage regulator that supplies power to the measurement card in the power meter. When this component fails, the power meter built in self-test, (BIST), fails, with the following message “ATTENTION PLEASE: Can’t find the required number of measurement boards”.

Solution/Action:

If any of the units listed above are received at the service center and are exhibiting this fault, then the batch code of device U3 must be checked before taking any further action – the silkscreen markings on the board make this device easy to locate.

Markings on the device identify it using both a part number and a batch number. The part number for this device will be LT1587 CM-3.3 in every case, but if the batch code is 9426303 then the daughter board assembly must be replaced. If the batch code is anything other than this, then the fault is unrelated to this issue.