

S E R V I C E N O T E

SUPERSEDES: NONE

**EPM 441A Power Meter** (Product Number E4418A)

**Serial Numbers:**

GB36430121, GB36430122, GB36430134, GB36430135, GB36430139, GB36430146, GB36430148, GB36420155, GB36430156, GB36430157, GB36430159, GB36430160, GB36430161, GB36430162, GB36430164, GB36430165, GB36430166, GB36430167, GB36430168, GB36430169, GB36430170, GB37170171/ GB37171212, GB37481277, GB37481291, GB37481293, GB37481297,

**Calibrator 1mW Power Reference Verification.**

**To Be Performed By:** Agilent-Qualified Personnel

**Situation:**

As part of its quality monitoring program, it has been discovered that some EPM 441A power meters have been shipped from the division with the 1mW reference signal not meeting specification.

After substantial analysis, we have concluded that in the worst case, there will be an additional measurement uncertainty for the customer of ± 0.1dB. A very small number of units shipped between July 1997 and February 1998 may have been affected by this fault.

*Continued*

DATE: September 1998

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
<b>MODIFICATION RECOMMENDED</b>					
ACTION CATEGORY:	<input checked="" type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR 1.0 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 type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: September 1999			
AUTHOR: JW	ENTITY: E600	ADDITIONAL INFORMATION:			



However it is felt that in the interest of maintaining customer quality that the 1mW reference output of the calibrator of all units in the range given above should be measured and adjusted if necessary. The customers concerned have been informed of the situation and have been offered the option of returning their units to their nearest service centre for verification.

**Solution / Action:**

The 1 mW reference should be verified and adjusted if necessary whenever they are returned for repair, verification of the 1mW reference, calibration, or upgrade. If a unit fails the limit as per the service manual the customer and QMD Product Support should be alerted to the original value and the value to which it has been adjusted. If units are within specification their serial number and value obtained should be sent to the QMD Service node for collating. The units should be adjusted as close to their nominal spec as is possible.

**Additional Information:**

Comment in CSO report the following "As per Service Note E4418A-01. Original value was X.XXXmW . Adjusted to X.XXXmW". Insert measured values for X.XXXmW.