SUPERSEDES: E4418B-05

Agilent E4418B EPM Power Meter

Serial Numbers:

GB39250000 / GB39259999
GB39290000 / GB39299999
GB39400000 / GB39409999
GB39510000 / GB39519999
US39251081 / US39401737
US39401738 / US39402221

GPIB Problems Using The Agilent E4418B In HP 436A/437B Emulation Modes

Duplicate Service Notes : E4419B-05

To Be Performed By: Agilent Qualified Personnel or Customer

Situation:

GPIB problems have been encountered with the Agilent E4418B EPM when it is used in HP 436A and HP 437B emulation modes.

Continued

DATE: May 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ■ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR 0.5 Hours			
LOCATION CATEGORY:	■ CUSTOMER INSTALLABLE ☐ ON-SITE ☐ SERVICE CENTER	SERVICE INVENTORY:	☐ RETURN ☐ SCRAP ☐ SEE TEXT	USED PARTS:	☐ RETURN ☐ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: May 2002			
AUTHOR: FC	ENTITY: E600	ADDITIONAL INFORMATION:			

The problem manifests itself in one of the following ways:

- Power measurements made via GPIB are always reported as 0dBm, regardless of the actual power reported on the E4418B display.

- GPIB requests to perform a ZERO CAL on the attached power sensor are accepted, but ignored. When this happens, the E4418B does not display the expected 'pop-up' window for the ZERO CAL operation.

A bug in firmware revisions A1.03.00 to A1.06.00, inclusive, has been identified as the root cause for these GPIB issues.

Solution / Action:

The instrument firmware must be upgraded to revision A1.07.00, which incorporates the fix for this bug. If a more recent revision becomes available during the lifetime of this servicenote, the newer revision should be used instead.

Firmware revision A1.07.00 and the download utility for the PC are both available as free downloads from the following URL :

http://www.tmo.hp.com/tmo/software/English/EPMA_FW_A1_A20400.html