

S E R V I C E N O T E

SUPERSEDES: NONE

Agilent E4419B EPM Power Meter

Serial Numbers:

- GB39250000 / GB39259999
- GB39290000 / GB39299999
- GB39400000 / GB39409999
- GB39510000 / GB39519999
- US39250436 / US39250729
- US39400730 / US39400871

GPIB Problems Using The Agilent E4419B In HP 438A Emulation Mode

Duplicate Service Notes: E4418B-05A

To Be Performed By: Agilent Qualified Personnel or Customer

Situation:

GPIB problems have been encountered with the Agilent E4419B EPM when it is used in HP 438A emulation mode.

Continued

DATE: May 2000

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 0.5 Hours
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: FC	ENTITY: E600	AGILENT RESPONSIBLE UNTIL: May 2002	
		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 E4419B display.
- GPIB requests to perform a ZERO CAL on the attached power sensor are accepted, but ignored. When this happens, the E4419B does not display the expected 'pop-up' window for the ZERO CAL operation.

A bug in firmware revisions A2.03.00 to A2.06.00, inclusive, has been identified as the root cause for these GPIB issues.

Solution / Action:

The instrument firmware must be upgraded to revision A2.07.00, 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 A2.07.00 and the download utility for the PC are both available as free downloads from the following Agilent URL :

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