

MODIFICATION RECOMMENDED

E5270B-03

**S E R V I C E N O T E**

Supersedes:  
NONE

E5270B 8-Slot Precision Measurement Mainframe

Serial Numbers: JP10M00101/JP10M00576 (E5270B Mainframe)  
JP10M00101/JP10M00487 (E5287A HRSMU module for E5270B)  
JP10M00101/JP10M00529 (E5281B MPSMU module for E5270B)

Unexpected noise output from HRSMU/MPSUM on specified condition

Parts Required:

P/N	Description	Qty.
E5287-61011	HRSMU module	up to 8
E5281-61011	MPSMU module	up to 8

To be performed by Agilent-Qualified personnel.

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS	LABOR: 2.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 31 <sup>st</sup> Oct. 2010	
AUTHOR:	JJ	PRODUCT LINE: PL1H	
ADDITIONAL INFORMATION:			

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**Situation:**

The E5270B within the listed serial number range may have the problem that the installed MPSMU/HRSMU modules generate unexpected noise.

**Solution/Action:****FE/AE:**

Involve the AE (Application Engineer) to confirm if customer's SMU modules generate the unexpected noise with customer's application. If customer has problem SMU modules, send whole mainframe with SMU modules installed to nearest Agilent repair bench.

**SSU Bench Technician:**

Replace the failure SMU module with new PN of one.

After replace the SMU modules, perform the following calibration items.

- Assign the module parts number (See Service Note E5270B-01)
- Calibration for SMU range resistor
- Performance Verification: SMU voltage test, SMU current pre-test, SMU current test, and SMU CMR test

For more detail about Performance Verification, please see Service Guide.