Modification Recommended Service Note

Supersedes:
NONE

U8481A- Power Sensor; USB average thermocouple, 10MHz–18GHz

Serial Numbers: MY58320002-MY59280002/ SG58400002- SG59140009

Tracking Number: MZ59080001 - MZ59190005

The Problem - 0.6dB offset on power measurement

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

ACTION CATEGORY:	[[X]] ON SPECIFIED FAILURE [[]] AGREEABLE TIME	STANDARDS LABOR: 0.2 Hours			
LOCATION CATEGORY:	[[X]] CUSTOMER INSTALLABLE [[]] ON-SITE (active On-site contract required) [[X]] SERVICE CENTER [[]] CHANNEL PARTNERS	SERVICE: INVENTORY:	[[]] RETURN [[]] SCRAP [[x]] SEE TEXT	USED PARTS:	[[]] RETURN [[]] SCRAP [[x]] SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 28 NOV 2020			
	[[]] Calibration Required **[[X]]** Calibration NOT Required	PRODUCT LINE: WN AUTHOR: LSL			

ADDITIONAL INFORMATION:
Service Inventory and Use Part is Not Applicable

Situation:

The U8481A Power sensors with the serial numbers listed will capture a 0.6dB offset in power measurements when it is used under the 2 conditions below:

a) whenever there's a change in the sensor's measurement mode (between NORM & FAST measurement mode) without re-performing sensor calibration afterwards.

And / or

b) when it is used with the Network Analyzers below:

No.	Product Family	Model Number
1	ENA	E5080A/ E5080B
2	PNA	N5221B/22B/24B/25B/27B
3	PNA-L	N5231B/32B/34B/35B/39B
4	PNA-X	N5241B/42B/44B/45B/47B/64B N5241A/42A/44A/45A/47A/64A
5	PXI VNA	M9370A/71A/72A/73A/74A/75A M9800A/01A/02A/03A/04A M9805A/06A/07A/08A
6	USB VNA	P5000A/01A/02A/03A/04A P5005A/06A/07A/08A P5020A/21A/22A/23A/24A P5025A/26A/27A/28A

Solution/Action:

Verify that your instrument(s) corresponds to the above model and serial numbers.

This issue can be fixed by upgrading the power sensor Firmware to version A.02.05 and above.

Please refer to this link below for the Firmware upgrade or you can find it in Keysight Technologies Website:

https://www.keysight.com/main/software.jspx?ckey=sw85&lc=eng&cc=MY&nid=-35560.1043559&id=sw85

Revision History:

Date	Service Note Revision	Author	Reason for Change
29 Nov	01	LSL	As Published