

Modification Recommended Service Note

Supersedes:
NONE

B2910BL Precision Source/Measure Unit, 1ch, 10fA resolution, 210V,
1.5A

Serial Numbers: See table on the page 2.

The Problem – Distortion occurs in the output waveform when creating a sweep waveform.

Parts Required:
NONE

ADMINISTRATIVE INFORMATION

ACTION	<input type="checkbox"/> ON SPECIFIED FAILURE	STANDARDS		
CATEGORY:	X AGREEABLE TIME	LABOR:	1.0 Hours	
LOCATION	X CUSTOMER INSTALLABLE (No Parts involved)	SERVICE:	<input type="checkbox"/> RETURN	USED <input type="checkbox"/> RETURN
	<input type="checkbox"/> SERVICE CENTER	INVENTORY:	<input type="checkbox"/> SCRAP	PARTS: <input type="checkbox"/> SCRAP
CATEGORY:	<input type="checkbox"/> ON-SITE (<i>active On-site contract required</i>)		<input type="checkbox"/> SEE TEXT	<input type="checkbox"/> SEE TEXT
	<input type="checkbox"/> CHANNEL PARTNERS			
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	April 30,2025	
	<input type="checkbox"/> Calibration Required	PRODUCT LINE:	1H	
	X Calibration NOT Required	AUTHOR:	HT	

ADDITIONAL INFORMATION:

Situation:

When a sweep waveform is created, the output waveform is distorted, and the expected waveform cannot be output.

Solution/Action:

This has been fixed using the latest FPGA version. Obtain the FPGA Update Software (FpgaUpdate588451.exe) from the Keysight.com website provided below and install it. On the site, you will find instructions that you can follow. Once you start the update, it will finish unattended.

[Keysight B2900B FPGA Update | Keysight](#)

You can check the FPGA revision by following the steps below:

- Press the Front Panel Function key as follows.

More... > System > More... > Info. > Revision

NOTE: The SMU/FPGA revision is displayed as follows for the channel 1 and 2, respectively. If SMU/FPGA revision is 12.41 or higher, the FPGA update is not needed.

SMU/FPGA revision (1) : 12.xx

SMU/FPGA revision (2) : 12.xx

Affected Instruments:

The instruments with the serial numbers listed below are confirmed to be affected:

MY63320101	-	MY63320114
MY63320116	-	MY63320117
MY63320119	-	MY63320121
MY63320123	-	MY63320129
MY63320131	-	MY63320181

Revision History:

Date	Service Note Revision	Author	Reason for Change
26 Mar 2024	01	HT	As Published