

N5183B-10

# Information Only Service Note

Supersedes:  
None

## N5183B X-Series MXG $\mu$ Wave Signal Generator

Serial Numbers: ALL

**The Problem: Problem** – Self-test #104 failure if replacing either the A3 RF Assembly with Hardware ID 000A or the A7 Micro-deck containing A7A1 ALC control board with hardware ID 0002 is not upgraded to the minimum FW B.01.96.

### Parts Required:

P/N	Description	Qty.
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NONE

### ADMINISTRATIVE INFORMATION

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X Calibration Required  
 Calibration NOT Required

PRODUCT LINE: 15  
AUTHOR: PY

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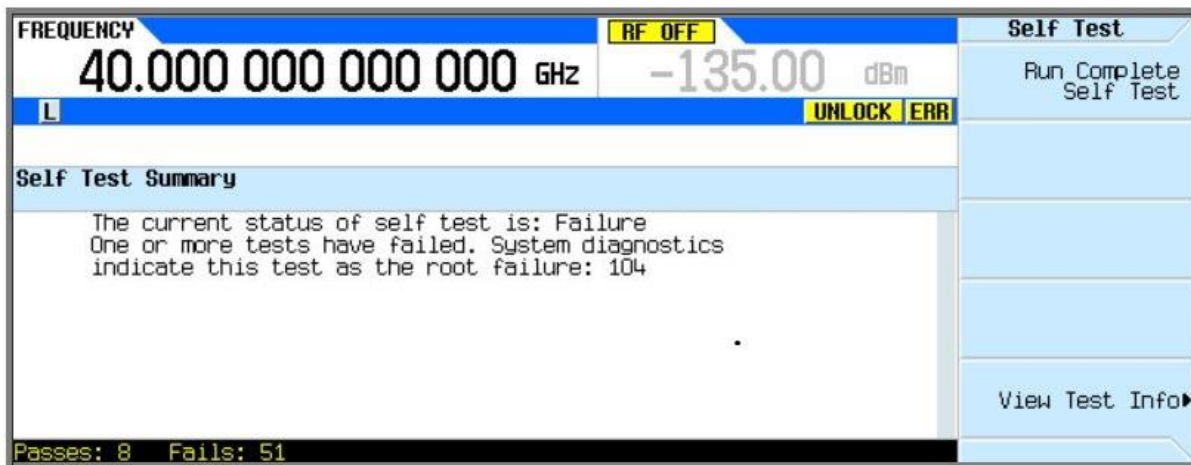
ADDITIONAL INFORMATION:

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Situation:

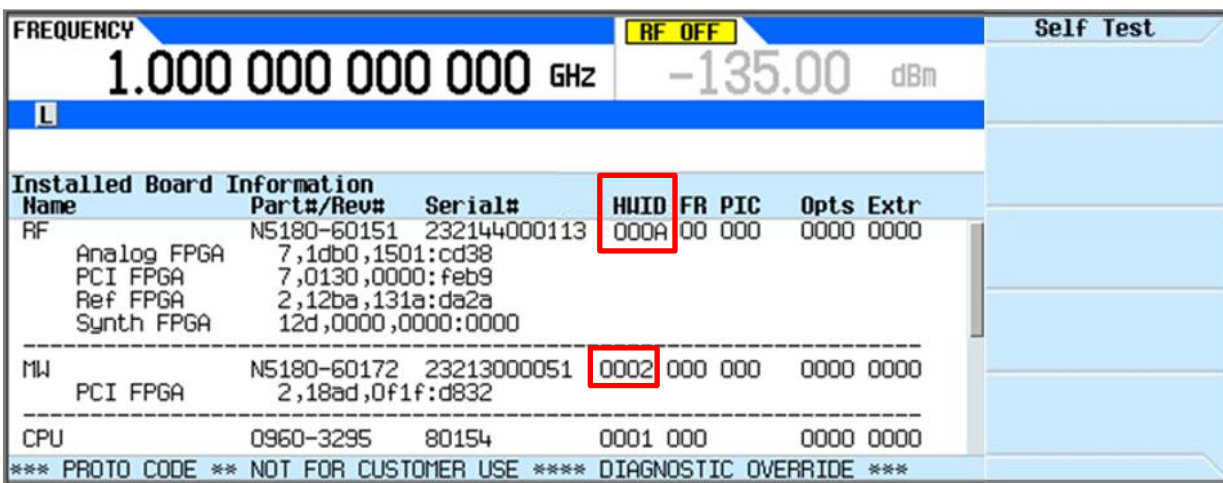
The A3 RF assemblies and A7A1 ALC control board on the A7 micro-deck were enhanced to support a new 12bit ADC for assurance of supply (AOS). Replacement of either the A3 RF Assembly, N5180-60173 with Hardware ID 000B or the A7 Micro-deck containing A7A1 ALC control board, N5180-60172 with Hardware ID 0002 will require minimum FW B.01.96 for it to operate properly. Multiple self-test failures can be observed after completing the self- test, as shown in Figure 1.

Figure 1 - Multiple self-test failures



First, check that the hardware ID for the replaced assembly. This can be found on the Utility, Instrument Info, Installed Board Info screen of the instrument, as shown in Figure 2.

Figure 2 - Installed Board Information Screen



Factory has also made an identification on this firmware requirement.

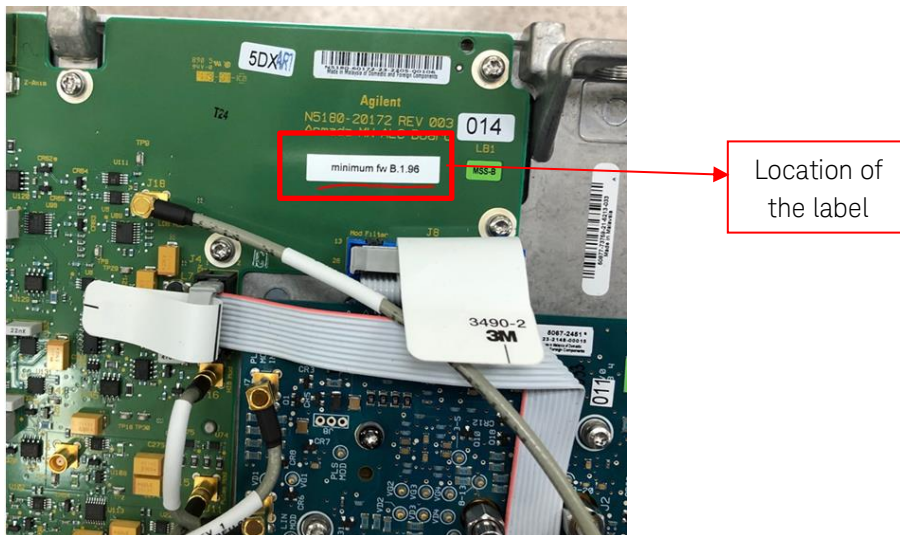
On the RF assembly, a label “minimum FW B.1.96” will be pasted on the shield, as shown in Figure 3.

Figure 3 – Location of label on the RF assembly



On the micro-deck, a label “minimum FW B.1.96” will be pasted on the ALC control board as shown in Figure 4.

Figure 4 – Location of label on the ALC control board



**Solution/Action:**

Upgrade the instrument firmware to B.01.96. Go to [http://www.keysight.com/find/mxg\\_firmware](http://www.keysight.com/find/mxg_firmware) to download the instrument firmware.

Once the firmware successfully upgraded, verify that the self-test is passing on the instrument.

**Revision History:**

Date	Service Note Revision	Author	Reason for Change
26 Apr 2022	01	Petrina Yong	As Published