

N5166B-02

Information Only Service Note

Supersedes:
NONE

N5166B X-Series CXG Vector Signal Generator

Serial Numbers: ALL

The Problem – Self-test #104 failure if replacement A3 RF Assembly, N5180-60279 with Hardware ID 0009 is not upgraded to the minimum FW B.01.96.

Parts Required:

P/N	Description	Qty.
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NONE

ADMINISTRATIVE INFORMATION

<input type="checkbox"/>	Calibration Required
X	Calibration NOT Required

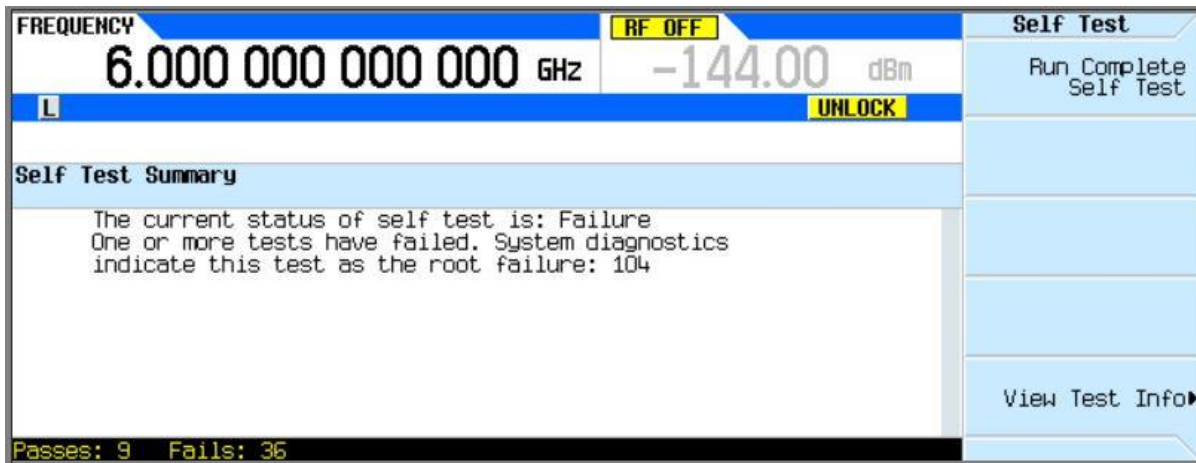
PRODUCT LINE: 15
AUTHOR: PY

ADDITIONAL INFORMATION:

Situation:

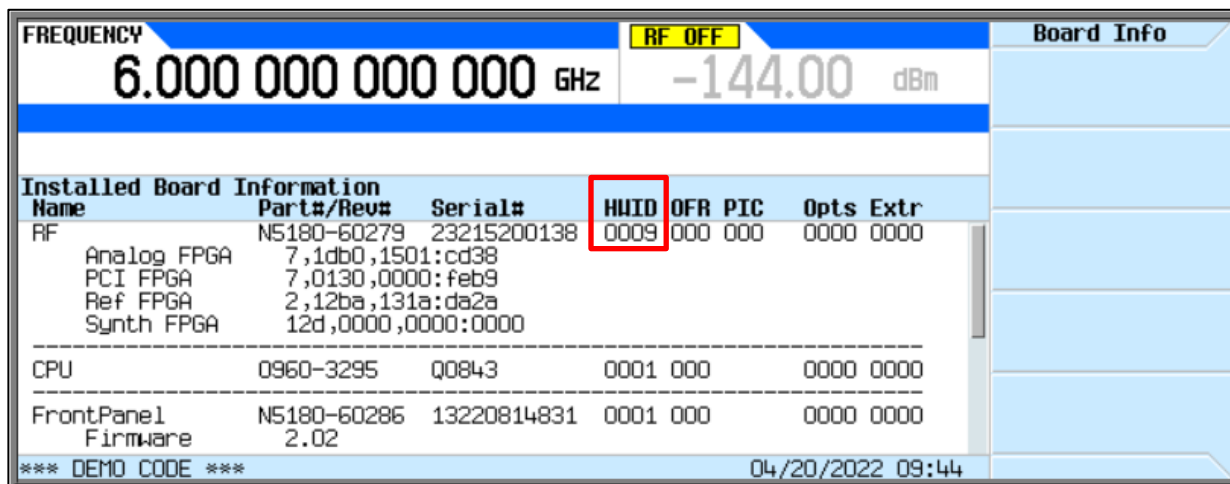
The A3 RF assemblies were enhanced to support a new 12bit ADC for assurance of supply (AOS). Replacement of the A3 RF Assembly, N5180-60279 with Hardware ID 0009 will require minimum FW B.01.96 for it to operate properly. Multiple self-test failures can be observed after completing the self-test, as shown in Figure 1.

Figure 1 - Multiple self-test failures



First, check that the RF assembly is with hardware ID 0009. 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, where a label “minimum FW B.1.96” is pasted on the shield, as shown in Figure 3.

Figure 3 – Location of label on the RF assembly



Solution/Action:

Upgrade the instrument firmware to B.01.96. Go to http://www.keysight.com/find/exg_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