E8267D-15A

S E R V I C E N O T E

Supersedes:
E8267D-15

E8267D Vector Signal Generator

Serial Numbers: ALL

Instrument failing self-test 704

Parts Required:

P/N	Description	Qty.
None		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION: **MODIFICATION AVAILABLE**	
ACTION CATEGORY:: AGREEABLE TIME	X PERFORMANCE ENHANCEMENT [[]] SERVICE / RELIABILITY ENHANCEMENT
LOCATION CATEGORY: X CUSTOMER INSTALLABLE [[]] ON-SITE **(active On-site contract required)** X SERVICE CENTER X CHANNEL PARTNERS	AVAILABILITY: EOS
[[]] Calibration Required X Calibration NOT Required	PRODUCT LINE: 15 AUTHOR: PY
ADDITIONAL INFORMATION:	

August 26, 2013
Rev. 21

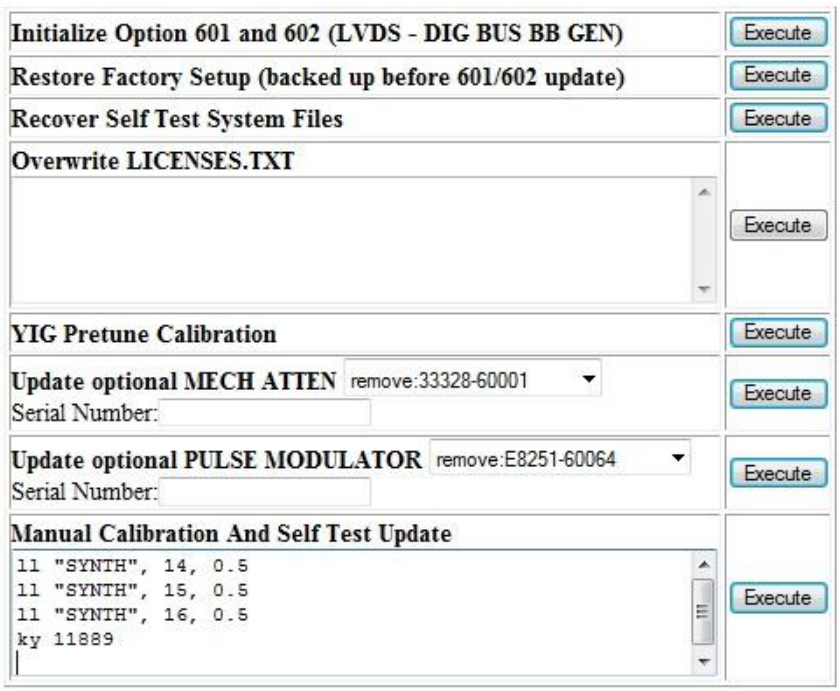
Agilent Technologies

Situation:
The self-test limits for A6 Frac-N have been updated to avoid possible faulty self-test failure 704. This apply for instrument with option HCC and HAR.

Solution/Action:
1. If you are experiencing self-test failure 704, verify the self test limits by pressing: Utility > Instrument Information/Help Mode > Self Test > View Test Info
2. Using the RPG or the up and down arrow keys, scroll to self test 704. Press: Run Highlighted Test.
3. When the self-test has completed, press: View Details. The lower limits for the following tests should be:-
   a. 1-1.55 GHz lower = 0.5
   b. 1.55-2.4 GHz; lower = 0.5
   c. 2.4-3.2 GHz; lower = 0.5

4. If the self-test limits are correct, continue to troubleshoot the problem using the troubleshooting procedure.
5. If the self-test limits are incorrect, first verify that the instrument has firmware equal or higher then C.04.71. If yes, proceed to step (7). If not, update to the latest firmware.
6. If after upgrade firmware and the self-test still fail, proceed with the step (7).
7. Connect the instrument to LAN, then press: Utility > GPIB/RS-232 LAN > LAN Setup > LAN Config set to DHCP > Proceed with Reconfiguration > Confirm Change (Instrument will Reboot).
8. After the instrument had power cycle, press: Utility > GPIB/RS-232 LAN > LAN Setup and record down the IP address.
9. Open a browser window and type in the instrument IP address/update (http://xxx.xxx.xxx.xxx/update)
10. Then enter the following text into the 'Manual Calibration And Self Test Update' box.

```
ll "SYNTH", 14, 0.5
ll "SYNTH", 15, 0.5
ll "SYNTH", 16, 0.5
ky 11889
```



11. Press 'Execute' button next to the 'Manual Calibration And Self Test Update'.
12. When the update is completed, another webpage will be displayed with the message 'Operation completed'. To finish, power cycle the instrument and verify the limits have been updated using steps 1-3 above.

Revision History:

Revision Number	Date	Author	Reason For Change
1.0	August 21, 2013	PY	Update to all affected Frac-N board for this self-test failure.