

MODIFICATION RECOMMENDED

N5998A-01

S E R V I C E N O T E

Supersedes:
None

N5998A: HDMI Protocol Analyzer and Generator

Serial Numbers: DE47300001-DE47300136

Firmware update to turn pre-release units into final units.

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
None		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS	LABOR: 1.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCTS SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: Dec. 2008	
AUTHOR: KH	PRODUCT LINE: [product line] PL24		
ADDITIONAL INFORMATION:			

© AGILENT TECHNOLOGIES, INC. 2007
PRINTED IN U.S.A.



Situation:

The N5998A HDMI Protocol Analyzer and Generator was put on CPL on March 1st, 2007. Unfortunately a bug was discovered right after CPL date. When generating a 1080p signal, the a few pixels were generated incorrectly. Between 10 and 50 pixels out of the 2 million pixels were slightly to green. This bug was finally fixed in October or 2007.

Between April 2007 and September 2007 we offered customers a pre-release version of the instrument. Several customers accepted the pre-release version.

These pre-release units now need to be upgraded to the latest firmware SW. This Service Note describes the firmware upgrade.

Solution/Action:

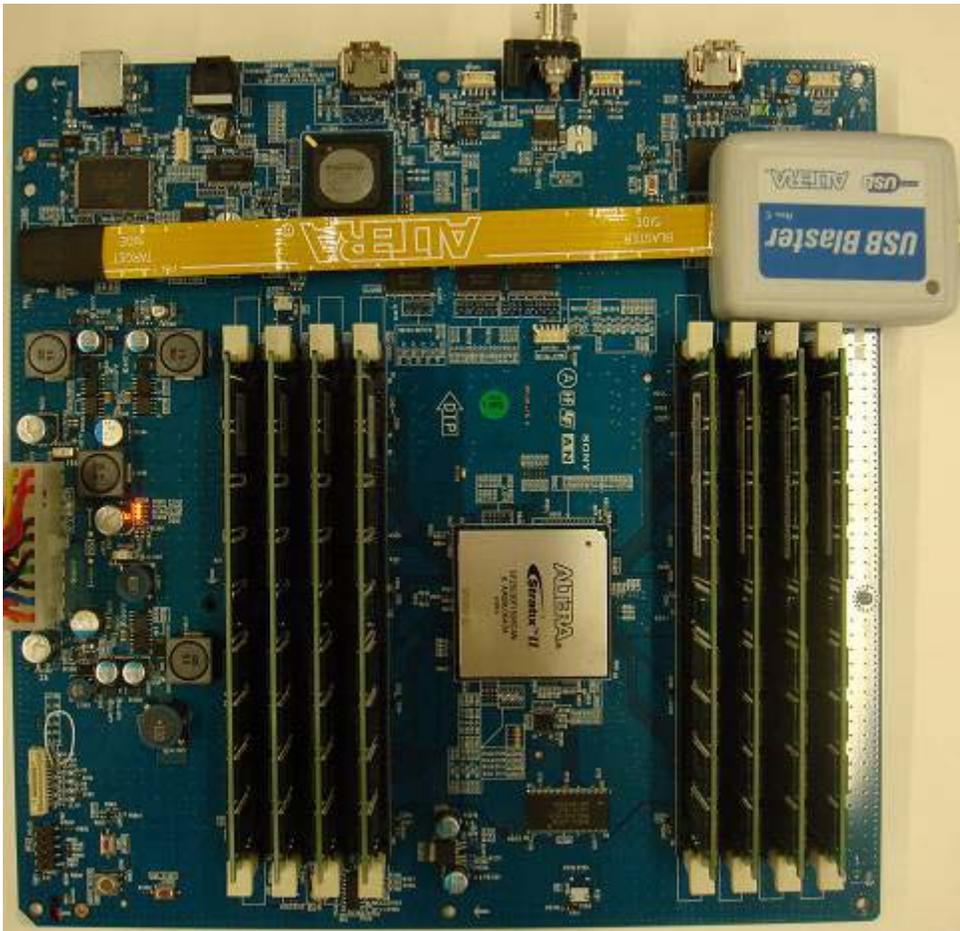
Before starting the upgrade you need to ensure that you have the following available:

1. The latest firmware update (pa_fpga_top_V1.32.pof). Please send an e-mail to kurt_hellinga@agilent.com to receive a copy of the latest Firmware.
2. One Altera Byte Blaster II JIG. One of these per service center is available at the division. Please also contact kurt_hellinga@agilent.com to receive a unit.
3. Altera SW (Qaartus II) to run the Alterat JIG. The English version of the SW can be downloaded at:
<http://www.altera.com/products/software/products/quartus2web/sof-quarwebmain.html>
The Japanese version at:
http://www.altera.co.jp/support/software/download/sof-download_center.html

Upgrade procedure:

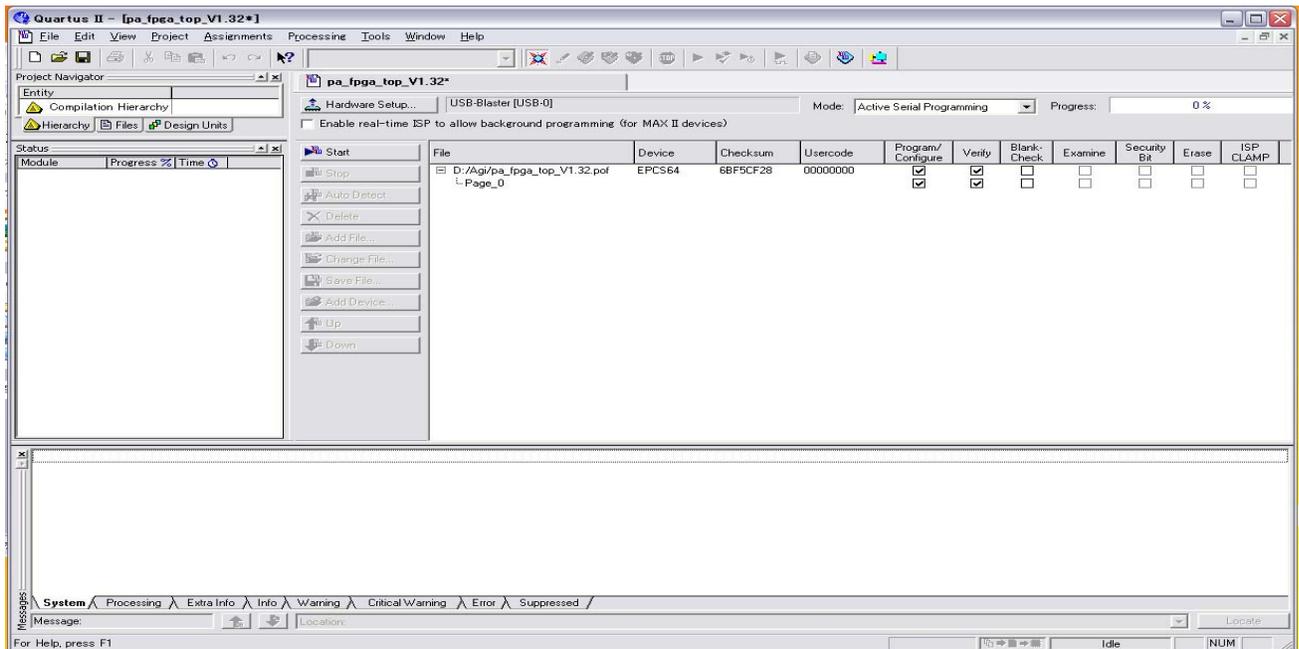
1. Open the cover of the instrument.

2. Connect the Altera Byte Blaster to CN801 as shown in the following diagram:



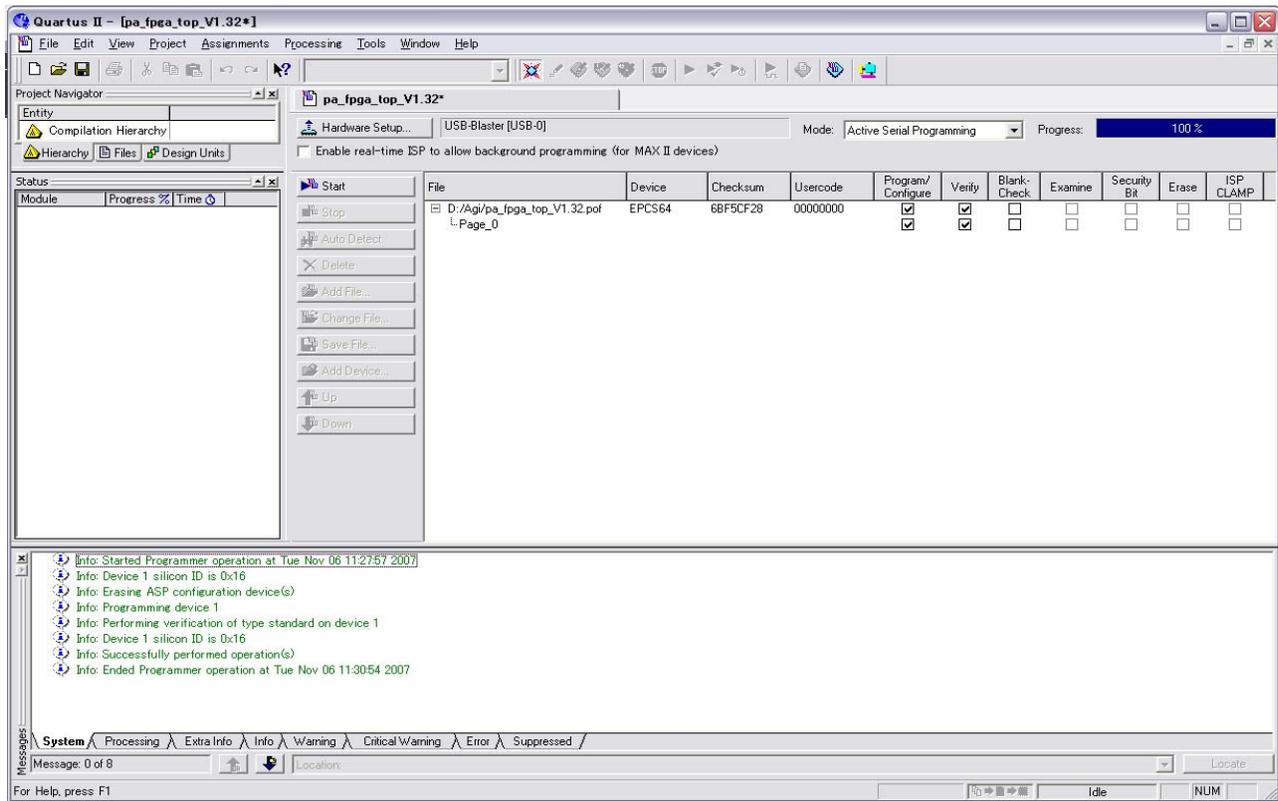
3. Power on N5998A.

4. Run Quartus II program



5. Select pa_fpga_top_V1.32.pof by “Add File” button
6. Check “Program/Configure,Verify” box

- Click “Start” button



- When Progress bar reach to “100%”, then firmware update is complete.
- Confirm no error at “log window”.