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Agilent N6463A Thunderbolt Test Application
Release Notes

Agilent N6463A Software Version 1.03
Released Date: 2 May 2014
File Name: SetupInfTBT01030000.exe

Reference:
- **Thunderbolt^{TM} Interconect Specification Revision 1.0**
- **Thunderbolt Electrical Host \ Device Compliance Test Specification Version 1.0**

Minimum Infiniium Oscilloscope Baseline Version: 4.20.0000
Minimum JBERT-A Firmware Version: 4.02
Minimum JBERT-B Firmware Version: 7.10
TenLira Test Script:
- **Host Test Script Version 1.20**
- **Device Test Scripts Version 1.2**

Additions:

- Support Infiniium 5.00.
- Support for user configurable screenshot image size for report item under debug mode. Please refer to Programmer's Reference for more details (see Help > Remote Interface).
- Add screenshot for Tx Low-Frequency Deterministic Jitter test.
- InfiniiSim now includes new Normalize Gain option.

Modification:

- Remote Interface updated to version 2.50.
- Fixed Connection tab "Suppress" checkbox.
- When using BitifEye BIT2100 instrument for switch matrix, now requires minimum firmware version: 3.4-1.10.

Note:

- This will be the last version to support Infiniium Oscilloscope Baseline Version 4.20.

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Agilent N6463A Thunderbolt Test Application
Release Notes

Agilent N6463A Software Version 1.02
Released Date: 22 November 2013
File Name: SetupInfTBT01020000.exe

Reference:
- **Thunderbolt^{TM} Interconect Specification Revision 1.0**
- **Thunderbolt Electrical Host \ Device Compliance Test Specification Version 1.0**

Minimum Infiniium Oscilloscope Baseline Version: 4.20.0000
Minimum JBERT-A Firmware Version: 4.02
Minimum JBERT-B Firmware Version: 7.10
TenLira Test Script:
- **Host Test Script Version 1.20**
- **Device Test Scripts Version 1.2**

Additions:

- Supports for PRBS signal pattern checking by validating the pattern length.
- Split the Tx Unit Interval, Mean test into Tx Unit Interval Mean, Min and Tx Unit Interval Mean, Max tests.
- Tx Platform Equalization test for device DUT.

Modification:

- Update release notes.

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Agilent N6463A Thunderbolt Test Application
Release Notes

Agilent N6463A Software Version 1.01
Released Date: 4 November 2013
File Name: SetupInfTBT01010000.exe

Reference:
- **Thunderbolt^TM Interconect Specification Revision 1.0**
- **Thunderbolt Electrical Compliance Test Specification Version 0.91**

Minimum Infiniium Oscilloscope Baseline Version: 4.20.0000
Minimum JBERT-A Firmware Version: 4.02
Minimum JBERT-B Firmware Version: 7.10
TenLira Test Script:
- **Host Test Script Version 1.20**
- **Device Test Scripts Version 1.2**

Additions:

- Supports for PRBS signal pattern checking by validating the pattern length.
- Split the Tx Unit Interval, Mean test into Tx Unit Interval Mean, Min and Tx Unit Interval Mean, Max tests.
- Tx Platform Equalization test for device DUT.

Modification:

- Modify the skew calibration method for more repeatability calibration result.
- Remove the option of "JBERT N4903A" from the crosstalk generator choices.
- Change the JBERT crosstalk calibration outputs from the Clock output to the Trigger/Reference Clock output.
- Change the aggressor calibration amplitude value from 1400mV to 800mV.
- Remove all the informative tests that do not included in the specification.
- Update the name of the test by removing all symbols from the test name.
- Update the following test methodology according to the Compliance Test Specification:
    o Tx Platform Equalization
    o Tx Unit Interval, Mean
    o Tx SSC Down Spread Deviation
    o Tx Eye Diagram
- Preserves line breaks for "User Comments" field in HTML Report.
- Includes new Delay option in InfiniiSim.
- New option to control jump behavior when user double-click a test name on the Select Tests tab. See View > Preferences > Report.

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- Remote Interface updated to version 2.40.

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Release Notes

Agilent N6463A Software Version 1.00
Released Date: 17 June 2013
File Name: SetupInfTBT01000000.exe

Reference: Thunderbolt^{TM} Interconect Specification Revision 0.9
Minimum Infiniium Oscilloscope Baseline Version: 4.20.0000
Minimum JBERT-A Firmware Version: 4.02
Minimum JBERT-B Firmware Version: 7.10
TenLira Test Script:
- **Host Test Script Version 1.20**
- **Device Test Scripts Version 1.2**

<u>Features:</u>

- Initial release.