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Agilent N5393B PCI Express Electrical Performance and Compliance Software Release Notes

Agilent N5393B Software Version 02.22
Released Date: 9 April 2010
Minimum Infiniium Oscilloscope Baseline Version: 05.60.00 (80000 series), 1.40.0004 (90000 series)
File Name: SetupInfPCIExpress0222.exe

Modifications:
- Fixed path error for ApplyJitterFilter.dll.

 Notes:
This will be the last version to support the 80000 series oscilloscope. Following releases will only support 90000 series oscilloscope.

Agilent N5393B Software Version 02.21
Released Date: 26 Jan 2010
Minimum Infiniium Oscilloscope Baseline Version: 05.60.00 (80000 series), 1.40.0004 (90000 series)
File Name: SetupInfPCIExpress0221.exe

Modifications:
- Included ApplyJitterFilter.dll.

Agilent N5393B Software Version 02.20
Released Date: 11 January 2010
Minimum Infiniium Oscilloscope Baseline Version: 05.60.00 (80000 series), 1.40.0004 (90000 series)
File Name: SetupInfPCIExpress0220.exe
Additions
- Upgraded framework to framework version 3.11.

Modifications:
- Modified the Unit Interval test to search for "Unit" instead of "Unit Int" since baseline 2.10 changed the return string from "Unit Int" to "Unit int".

Agilent N5393B Software Version 02.12
Released Date: 27 March 2009

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Minimum Infiniium Oscilloscope Baseline Version: 05.60.00 (80000 series), 1.40.04 (90000 series)
File Name: SetupInfPCIExpress0212.exe

Additions
- Added support for PCIE half swing power tests.

Modifications:
- Fixed issue in PCIE clock recovery method.

- Fixed bug where certain tests pass with infinity value.

Agilent N5393B Software Version 02.10
Released Date: 03 March 2008
Minimum Infiniium Oscilloscope Baseline Version: 05.40.00 (80000 series), 1.00 (90000 series)
File Name: SetupInfPCIExpress0210.exe

Additions
- Added support for DSO90000 Series Oscilloscopes.

Agilent N5393B Software Version 02.00
Released Date: 17 January 2008
Minimum Infiniium Oscilloscope Baseline Version: 05.40.00
File Name: SetupInfPCIExpress0200.exe

Additions
- Added tests for PCIE 2.0.

Modifications:
- Modified the Unit Interval test to calculate and report the mean unit interval value for the entire sample waveform.

- Updated the System board tests for PCIE 2.0 to support the new 2-port testing as specified in the PCIE CEM specification document version 2.0.

Agilent N5393A Software Version 01.12

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Released Date: 28 September 2007
Minimum Infiniium Oscilloscope Baseline Version: 05.20.00
File Name: SetupInfPCIExpress0112.exe

Bugfixed:
- Fixed bug in Peak Differential Output Voltage test which caused occasional wrong results.

- Fixed bug in DC Common Mode Line Delta test which caused Line Delta to be computed incorrectly and displayed "$V_{TX-CM-DC-D+}$" or "$V_{TX-CM-DC-D-}$" as signed values instead of absolute values.

- Fixed incorrect specification limit from 25V to 25mV in the 2.0 version of DC Common Mode Line Delta test.

Agilent N5393A Software Version 01.11
Released Date: 22 May 2007
Minimum Infiniium Oscilloscope Baseline Version: 05.20.00
File Name: SetupInfPCIExpress01110000.exe

Modifications:
- Changed default sample rate to 40GSa/s for PCIE 2.0 and 20GSa/s for PCIE 1.0a, 1.1, & Express Card.

Bugfixed:
- Fixed Set Up page selection of Express Card test where previously the Module tests and Host tests were swapped in the test tree display.

- Fixed defect that caused an error dialog "Error Setting Sample Rate Valid Range" to appear on scopes that did not have the EBW option.

Agilent N5393A Software Version 01.10
Released Date: 09 February 2007
Minimum Infiniium Oscilloscope Baseline Version: 05.20.00
File Name: SetupInfPCIExpress0110.exe

Additions
- Added tests for PCIE 1.1.

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- Added some preliminary "teaser" tests for PCIE 2.0.

Agilent N5393A Software Version 01.03
Released Date: N/A
Minimum Infiniium Oscilloscope Baseline Version: A.03.90
File Name: N/A

Modifications:
- Improved signal detection routines to handle signals with large common mode voltage.

Bugfixed:
- Fixed an issue introduced in 1.02 that broke the Tx DC Common Mode Measurements by producing very large common mode voltage values.

- Fixed the issue that was causing AVG DC common mode voltage to measure infinity value when the common mode voltage was larger than 400mV.

Agilent N5393A Software Version 01.02
Released Date: 30 January 2006
Minimum Infiniium Oscilloscope Baseline Version: A.03.90
File Name: SetupInfPCIExpress0102.exe

Additions

- Added user control to disable signal checks.

Modifications:
- Enhanced dynamic range for some tests to accommodate marginal signals.

- Modified Peak Voltage Test method in order to correctly compute Vpeak over the entire waveform (instead of just mid-ui).

<u>Bugfixed:</u>
- Corrected typo in SSC UI limits (minor precision error).

Agilent N5393A Software Version 01.01
Released Date: 17 February 2005
Minimum Infiniium Oscilloscope Baseline Version: A.03.90
File Name: SetupInfPCIExpress0101.exe

<u>Additions</u>
- Added support for Spread Spectrum Clocking (SSC).

- Added support for DS080000 Series Oscilloscopes.

- Added support for changing the sample rate option.

- Added the Enhanced Bandwidth option for DSO80000 series scopes (used for Noise Reduction at 6GHz).

<u>Modifications:</u>
- Modified the Unit Interval algorithm to improve performance on low amplitude signals.

<u>Bugfixed:</u>
- Fixed the issue in html output report where clicking the hyperlinks at the top of the report would not navigate to the details for that test.

- Provided a workaround for a known bug in WindowsXP Compressed folders to allow the viewer to see image files.

Agilent N5393A Software Version 01.00
Released Date: 14 June 2004
Minimum Infiniium Oscilloscope Baseline Version: A.03.50
File Name: SetupInfPCIExpress0100.exe

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Initial release.