



Agilent U7248A High-Speed Inter-Chip (HSIC) USB Electrical Performance Validation & Compliance Software Release Notes

Agilent U7248A Software Version 01.02

Released Date: 14 May 2014

Minimum Infiniium Oscilloscope Baseline Version: 4.20

File Name: SetupInfHSIC01020000.exe

Additions:

- Add window for the Strobe Frequency test after the start and before the stop of the Strobe burst.
- Add Strobe Frequency (Mean) test.

Modifications:

- Change Strobe Frequency (Min) and Strobe Frequency (Max) test to Informative Test.
- Fix the issue of incorrect unit display for the measurement trend screenshot in the report.
- InfiniiSim now includes new Delay option.
- New option to control jump behavior when you double-click a test name on the Select Tests tab. See View > Preferences > Report.
- Remote Interface updated to version 2.40.
- InfiniiSim now includes new Normalize Gain option.
- 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.



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Agilent U7248A Software Version 01.01

Released Date: 14 June 2013

Minimum Infiniium Oscilloscope Baseline Version: 4.20

File Name: SetupInfHSIC01010000.exe

Additions:

- Addition option for user to choose the number of waveform during the mask test with live signal
- Support latest baseline 4.20.
- Electrical specification tests added as shown in Table 1.01.1. Please refer to the Programmer's Reference for the details (See Help > Remote Interface).
- Modifications in HSIC ECN (May 2012) are included (Slew Rate of Strobe and Data, Receiver Data Setup Time, Strobe Frequency measurement). Please refer to the HSIC ECN for the modification details.
- Additional user configuration added in the Configure Tab as shown in Table 1.01.2. Please refer to the Programmer's Reference for the details (See Help > Remote Interface).
- User-defined compliance limits feature for user to select, edit and create tests limit. This feature can be access through the main menu (see Tools > Compliance limits).
- Bandwidth Limit feature for acquisition setup set the frequency limit to be used during a run for all tests (Debug Mode only). To access the Bandwidth Limit feature see menu: Tools > Infiniium > Acquisition Setup.
- Infiniium's Precision Probe and Precision Cable feature configuration setup can be accessed through the main menu (see Tools > Infiniium > PrecisionProbe/PrecisionCable).
- Remote interface help and PDF files can be accessed through the main menu (see Help > Remote Interface).
- New 'Automation' tab enables you to create command scripts that modify settings and execute tests.
- New user preference to set default project location (Menu: View > Preferences > Save/Load: Default Location).

Modifications:

- Clock Recovery setting for the mask test changed from constant frequency clock to explicit clock using strobe as reference.



- Optional way of access Infiniium's InfiniiSim feature through the main menu (see Tools > Infiniium > InfiniiSim).
- InfiniiSim and PrecisionProbe dialog screens now have tooltips and remote hints.
- A calibration creation wizard is added to the PrecisionProbe dialog box.
- Now supports Remote Interface version 2.11. For more information, see Agilent's N5452A Remote Programming Toolkit (www.agilent.com/find/scope-apps).
- Fixed app startup under Windows Standard User login.

Test ID	Test Name
1301	Host Data Setup Time
1302	Host Data Hold Time
1100	Host Strobe Frequency
1201	Host Data Slew Rate
1202	Host Strobe Slew Rate
2301	Device Data Setup Time
2302	Device Data Hold Time
2100	Device Strobe Frequency
2201	Device Data Slew Rate
2202	Device Strobe Slew Rate

Table 1.01.1

GUI Location	Variable	Description
Setup	UpdateTrigger	Change the state to 1.0 to update the offline test list
Configure	SignalQualityDataFile	This variable use to store the directory of Test Packet data waveform file use in the Signal Quality Test.
Configure	SignalQualityStrobeFile	This variable use to store the directory of Test Packet strobe waveform file use in the Signal Quality Test.
Configure	EnumerationDataFile	This variable use to store the directory of enumeration data waveform file use in the Packet Parameters Test.
Configure	EnumerationStrobeFile	This variable use to store the directory of enumeration strobe waveform file use in the Packet Parameters Test.
Configure	SOFDataFile	This variable use to store the directory of SOF data waveform file use in the Packet Parameters Test.
Configure	SOFStrobeFile	This variable use to store the directory of SOF strobe waveform file use in the Packet Parameters Test.
Configure	BusStateDataFile	This variable use to store the directory of data waveform file use in the Bus State Signaling Test.
Configure	BusStateStrobeFile	This variable use to store the directory of strobe waveform file use in the Bus State Signaling Test.

Table 1.01.2





Agilent U7248A High-Speed Inter-Chip (HSIC) USB Electrical Performance Validation & Compliance Software Release Notes

Agilent U7248A Software Version 01.00

Released Date: 15 Oct 2011

Minimum Infiniium Oscilloscope Baseline Version: 3.10

File Name: SetupInfHSIC01000000.exe

Features:

- Initial release
 - Supports for Win 7
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