U7246A/U7246B SD Card UHS-I Compliance Test Application Software

Keysight U7246A/U7246B Software Version 01.45

Released Date:	17 MAY 2017
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	06.00.00701 (9000 Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInfSDUHSI0145.exe

New Features

- Supports for Infiniium Oscilloscope Software version 6.00.

Bug Fixes

- Resolved signal scaling issue.

Known issues

- In loading projects created in SDUHSI version 01.44, users cannot append the existing results.

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Keysight U7246A/U7246B Software Version 01.44

Released Date:	13 OCTOBER 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.70.00713 (9000 Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInfSDUHSI0144.exe

New Features

- Enabled "Disable Infiniium user interface during run" feature.

- Enabled "PrecisionProbe/PrecisionCable" feature which enable user to use Infiniium software's Precision Probe feature from within SDUHS-I application.

Known issues

- In loading projects created in SDUHSI version 01.43, users cannot append the existing results.

Keysight U7246A/U7246B Software Version 01.43

Released Date:	5 April 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.60 (90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series), 5.60 (9000 Series)
File Name:	SetupInfSDUHSI0143.exe

Bug Fixes

- Corrected the required licenses.

Keysight U7246A/U7246B Software Version 01.42

Released Date:	10 June 2015
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.60 (90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series), 4.60 (9000 Series)
File Name:	SetupInfSDUHSI0142.exe

Miscellaneous Notes

- Rebranding U7246A/U7246B SD Card UHS-I Compliance Test Application Software under Keysight Technologies.

Enhancements

- Added measurement threshold configurable options in Configure tab.

Label	Configuration option
Measurement Threshold Mode	MeasThresholdMode
Upper Percent(%)	UpperPercent
Middle Percent(%)	MiddlePercent
Lower Percent(%)	LowerPercent
Upper Level(V)	UpperLevel
Middle Level(V)	MiddleLevel
Lower Level(V)	LowerLevel

Bug Fixes

- Fixed histogram wrong placement issue.

- Update compliance test limit.

Agilent U7246A/U7246B Software Version 01.41

Released Date:	16 June 2014
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.60 (90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series), 4.60 (9000 Series)
File Name:	SetupInfSDUHSI0141.exe

Modifications

- Resolved scope model verification issue.

Agilent U7246A/U7246B Software Version 01.40

Released Date:	1 June 2014
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.60 (90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series), 4.60 (9000 Series)
File Name:	SetupInfSDUHSI0140.exe

Enhancements

- Supports for Infiniium Oscilloscope Software version 5.00.

Agilent U7246A Software Version 01.33

Released Date:	9 May 2014
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.20 (9000 Series, 90000 Series, 90000 X-Series)
File Name:	SetupInfSDUHSI0133.exe

Miscellaneous Notes

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

New Features

- Added "Trigger Timeout" option in Configure Tab for user to edit the timeout value.

- Added Threshold Levels tests (Output High Voltage test, VOH and Output Low Voltage test, VOL)

Agilent U7246A Software Version 01.32

Released Date:	14 August 2013
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.20 (9000 Series, 90000 Series, 90000 X-Series)
File Name:	SetupInfSDUHSI0132.exe

Modifications

- Fixed Clock Frequency Verification issue.

- Fixed the histogram issue that disrupts the eye diagram when histogram source change.

- Changed the triggering method for Precision Mode Test.

- Turn off all color setting for signal source.

- Changed the scaling method for Current Consumption Test.

- Fixed vertical scaling issue for the tests on CMD Lane.

- Changed the triggering method for Current Consumption Test.

- Changed the Timeout value for Current Consumption Test

- Fixed histogram measurement issue

Enhancements

- Added "tdCK" and "tdRF" option in Configure Tab for Output Delay and Output Hold Time Compensation feature.

- Added "Maximum Trial" option in Configure Tab to resend command for Current Consumption Test

- Made enhancement on Current Consumption Test to avoid "MISSMATCH" error.

- Added Support for MSOX90000 Series Oscilloscopes

Agilent U7246A Software Version 01.31

Released Date:	17 November 2011
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	3.20 (9000 Series, 90000 Series)
File Name:	SetupInfSDUHSI0131.exe

Modifications

- Change of result display sequence in Rise/Fall Time Relation test.

- Windows 7 x64 driver for USB Interface of TED Host emulator can be found at:

    o C:\ProgramData\Agilent\Infiniium\Apps\SDUHSITest\App\ConsoleApps\sd_test_win7_x64\

- Change of wait time for SD card slot verification.

- Using probe calibrated value instead of probe default value.

Enhancements

- Compatible with Window 7 based Oscilloscope.

Agilent U7246A Software Version 01.30

Released Date:	8 July 2011
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	2.50 (9000 Series, 90000 Series)
File Name:	SetupInfSDUHSI0130.exe

New Features

- Added usability of test filter in Setup tab, user can now filter tests according to Speed Mode and DAT/CMD Lane Configuration.

Modifications

- Upgraded to new usb_sdtestapi.dll.

- Changed the connection diagram in Current Consumption Test.

- Changed the Test Pattern Size value for Configure option of 'Card Read/Write Start Size for B.O.T' (RC and PM mode).

- Changed the default value for Configure option of 'Current Limit – Current Consumption' to 800mA.

Enhancements

- Added 'Clock Frequency Validation' option in Configure tab.

- Added 'Trigger Threshold' option in Configure tab.

- Added 'Sampling Rate – Current Consumption' option in Configure tab.

- Added 'Acquisition Points – Current consumption' option in Configure tab.

- Added 'Wait Time – Current Consumption' option in Configure tab.

- All Rise/Fall Relation tests have 10 times faster through put by eliminating excess repetition.

- Reference clock edge position, Mode/Max/Min, for SDR/DDR tests can be selected in configure tab.

Agilent U7246A Software Version 01.21

Released Date:	22 February 2011
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	2.50 (9000 Series, 90000 Series)
File Name:	SetupInfSDUHSI0121.exe

Modifications

- Ay and By Marker in final screenshot indicate worst case voltage threshold position

- sd_test_gui.exe and some drivers related USB Interface of TED Host emulator can be found at the locations below:

    o C:\Documents and Settings\All Users\Documents\Infiniium\User-Defined Functions\sd_test_app.exe\

    o C:\Documents and Settings\All Users\Documents\Infiniium\User-Defined Functions\(USB Drivers here)

- Test script of sd_test_gui.exe for Bus Input Timing Test (Receiver tests) is now available by the installer package.

    o C:\Documents and Settings\All Users\Documents\Infiniium\User-Defined Functions\sd_test_app_setupfiles.zip

- Reference clock edge position, Mode/Max/Min, for SDR/DDR tests can be selected in the configure tab.

Agilent U7246A Software Version 01.11

Released Date:	14 December 2010
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	2.50 (9000 Series, 90000 Series)
File Name:	SetupInfSDUHSI0121.exe

Modifications

- Changed Pass/Fail Criteria for all tR/tF tests.

Enhancements

- Add 'Stop Before Card Initialization' option in Configure tab.

- Add 'Stop Before Measurement' option in Configure tab.

- Add 'Bandwidth Reduction' option in Configure tab.

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