

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

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 “MISMATCH” 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\_w  
in7\_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\_sctestapi.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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