

D9010EBSC IEEE 802.3 bs/cd Application Software

Keysight D9010EBSC Software Version 02.20.0.0

Release Date:	September, 2023
Requirements Category (e.g., operating system):	Microsoft Windows 10
Requirements Category (e.g., instrument software version):	11.50.00601 (UXR/UXR-B)
File Name:	SetupD9010EBSC_400GIEETest_2.20.0.0.exe
License:	Please see the product data sheet on Keysight.com

Issues Fixed

- Resolved screenshot error which appeared while running Coefficient Initialization and Abs Step Size tests after applying transfer function file to InfiniiSim in CR and KR standards.
- Fixed the issue wherein Differential Peak to Peak Output Voltage Test (with Tx disabled tests) provided different results for 2.11.26.0 and 2.10.32.0 versions.
- Fixed the issue wherein Differential Peak to Peak Output Voltage Test (with TX disabled tests) provided different results for PAM4 and NRZ signal types.
- Resolved incorrect CTLE settings in the test report.
- Corrected measurement equation used for Differential Output Return loss tests for all standards.
- Resolved the screenshot error which appeared when enabling **Save Tested Waveform** option in **Configure** Tab.
- Fixed screenshot error which appeared when running Post-cursor equalization tests in a group.

Known issues

- When a user selects a debug mode clock recovery, the NRZ SNDR tests will remain with the compliance clock recovery. No other tests are affected by this, and all PAM-4 tests will be updated with the debug clock recovery.
- When user is running Differential Peak to Peak Output Voltage Test (with TX disabled tests) twice, user will observe that
 - o after the first trial is finished, Vpp Measurement data is shown on the oscilloscope UI,
 - o however, after the second trial is finished, user will observe that Vpp Measurement data is missing from the oscilloscope UI.
- Additional information “RN1” reports 0 value in Vertical Eye Closure test.



Keysight D9010EBSC Software Version 02.11.0026

Release Date:	March, 2023
Requirements Category (e.g., operating system):	Microsoft Windows 10
Requirements Category (e.g., instrument software version):	6.73.00102,11.50.00401 (UXR/UXR-B)
File Name:	SetupInfIEEE400G02110026.exe
License:	Please see the product data sheet on Keysight.com

New Feature

Supports UXR-B Series oscilloscope.

Modification

Update Keysight License Manager 5.

Keysight D9010EBSC Software Version 02.11.0010

Release Date:	August 29, 2022
Requirements Category (e.g., operating system):	Microsoft Windows 10
Requirements Category (e.g., instrument software version):	6.73.00102,11.30.00202
File Name:	SetupInfIEEE400G02110010.exe
License:	Please see the product data sheet on Keysight.com

Modifications

- This is the last version that supports Z-series scope. For ongoing support related to IEEE electrical conformance tools, please contact your local Keysight sales team for upgrade options into higher precision instruments.
- Update Z-series/UXR: Fixed transition time measurements to handle closed eyes
- Update Z-series/UXR: Infiniium added specific sigma-N measurement to isolate long runs of each level as specified. Updated app to use the sigma-N measurement, previously using EZjit noise measurement.
- Update UXR: Update RLM to set pattern for level calculation. This properly separates the distributions of each level in a closed eye. This replaces traditional threshold method.
- Update UXR: Update all jitter, pulse response, SNDR to use Infiniium loaded pattern for closed eyes
- Update UXR: Added noise calibration to setup tab. Select “Calibrate Scope Noise” follow steps. Noise will be removed from jitter and sigma-n/SNDR measurements
- Update UXR: Disabled InfiniiSim plot for HW acceleration to improve test time when using InfiniiSim.

Known issue

- When a user selects a debug mode clock recovery, the NRZ SNDR tests will remain with the compliance clock recovery. No other tests are affected by this, and all PAM-4 tests will update with the debug clock recovery.

Keysight D9010EBSC Software Version 02.10.0032

Release Date:	July 09, 2020
Requirements Category (e.g., operating system):	Microsoft Windows 10
Requirements Category (e.g., instrument software version):	11.30.
File Name:	SetupInfIEEE400G02100032.exe
License:	Please see the product data sheet on Keysight.com

Modifications

- Updated app to new licensing
- Updated rise/fall time to average waveform and isolate on PAM4 000333 and 333000. Previously, all 03,30 edges were tested.
- This is the last version to support Z-series

Keysight D9010EBSC Software Version 02.10.0029

Release Date:	June 04, 2020
Requirements category (e.g., operating system):	Microsoft Windows 7, Windows 10
Requirements category (e.g., instrument software version):	6.60.00601/11.15.00003
File Name:	SetupInfIEEE400G02100029.exe
License:	Please see the product data sheet on Keysight.com

Modifications

- Updated app to new licensing
- Update apps jitter to new 11.15 requirements (PAM4 jitter requires 100 patterns per acq)

Keysight D9010EBSC Software Version 02.10.0028

Release Date:	February10, 2020
Requirements category (e.g., operating system):	Microsoft Windows 7, Windows 10
Requirements category (e.g., instrument software version):	6.55.00902/10.25.01302
File Name:	SetupInfIEEE400G02100028.exe
License:	Please see the product data sheet on Keysight.com

Modifications

- Updated app to new licensing
- Verified app with Infiniium versions 6.55.00902 and 10.25.01302
- Updated jitter measurement thresholds to use hysteresis (was using %). This enables a better threshold find for odd shaped eyes
- Fixed scaling on InfiniiSim signals.

Keysight D9010EBSC Software Version 02.10.0020

Release Date:	July 2, 2020
Requirements category (e.g., operating system):	Microsoft Windows 7, Windows 10
Requirements category (e.g., instrument software version):	6.55.00702/10.25.00902
File Name:	SetupInfIEEE400G02100020.exe
License:	Please see the product data sheet on Keysight.com

Modifications

- Updated app to new licensing
- Update InfiniiSim for 4 channel scope, to properly identify channel 1&2 or 3&4 pairings
- Update thresholds for averaging tests. Now, use eye to find best thresholds
- Add Far-end Optimal CTLE Utility
- Correct Far-end channel response.

Known issues

- Waveforms not getting saved for all tests when Save Waveforms selected. If running Tx disabled back-to-back in same trial for TP0a then TP1a, the second result will be incorrect. In a new trial/connection, it will be correct.

Keysight D9010EBSC Software Version 02.10.0000

Release Date:	June 18, 2019
Requirements category (e.g., operating system):	Microsoft Windows 7, Windows 10
Requirements category (e.g., instrument software version):	6.40/10.10
File Name:	SetupInfIEEE400G02100000.exe
License:	Please see the product data sheet on Keysight.com

Modifications

- Updated app to new licensing
- Verified on UXR

Keysight N6472A Software Version 01.00

Release Date:	April 27, 2018
Requirements category (e.g., operating system):	Microsoft Windows 7, Windows 10
Requirements category (e.g., instrument software version):	6.20
File Name:	SetupInfIEEE400G01000015.exe
License:	Please see the product data sheet on Keysight.com

Modifications

- Fixed CTLE 2dB Zero freq

Keysight N6472A Software Version 01.00

Release Date:	April 27, 2018
Requirements category (e.g., operating system):	Microsoft Windows 7, Windows 10
Requirements category (e.g., instrument software version):	6.20
File Name:	SetupInfIEEE400G01000014.exe
License:	Please see the product data sheet on Keysight.com

Initial Release