D9010CEIC OIF-CEI 56G Compliance Test Application Software

Keysight D9010CEIC Software Version 02.11.35.0

Release Date:	March 19, 2024
Required Operating System:	Microsoft Windows 10
Required Instrument Software Versions:	06.74.01101 (Z-Series) 11.52.00301 (UXR/UXR-B Series)
File Name:	SetupD9010CEIC_CEI56GTest_2.11.0035.0.exe

Issues Fixed

- Fixed the issue wherein the test waveforms were not getting saved after selecting the **Configure** tab parameter "Save Tested Waveform" as "Yes".
- Fixed incorrect BER value used in the Jitter tests for 56G VSR standard (PAM4 and NRZ)
- Fixed incorrect BUJ reported result value.
- Fixed the issue wherein the application failed to set the correct "Differential Partner" setting during test run.
- Fixed incorrect reported value for the Vertical Eye Closure test.
- Fixed incorrectly reported RN1 value (0 V) in the test report for 28G VSR standard.
- Fixed an issue wherein the "Remove Scope Random Jitter" setting got turned off while running Jitter tests.
- Fixed an issue in the **Configure** tab wherein the default "Eye Height/Width Probability" value for the NRZ standard was incorrect (changed from 1E-6 to 1E-15).

KEYSIGHT

Known Issues

- Incorrect scaling is used while applying InfiniiSim to coefficient tests for MR and LR standards.
- Screenshot error may appear in **DC Common Mode Voltage** test when run with **Output Measurement Eye TP0a** test group for VSR standard.
- Fall time test alone can't be run.
    - o Workaround: Please run both Rise and Fall Time tests together.

Keysight D9010CEIC Software Version 02.11.30.0

Release Date:	March, 2023
Required operating system:	Microsoft Windows 10
Required instrument software versions:	Z-Series oscilloscopes: 6.74.00402, UXR-Series oscilloscopes: 11.50.00601 UXR-B Series oscilloscopes: 11.50.00601
File Name:	SetupInfCEI56G02110030.exe

New Feature

- Supports UXR-B Series oscilloscope.

Modification

- Update Keysight License Manager 5.

Keysight D9010CEIC Software Version 02.11-patch

Release Date:	November 2, 2022
Required operating system:	Microsoft Windows 10
Required instrument software versions:	Z-Series oscilloscopes: 6.72.00102, UXR-Series oscilloscopes: 11.30.00406
File Name:	SetupInfCEI56G02110017.exe

- 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.

KEYSIGHT

- 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.

Keysight D9010CEIC Software Version 02.10-patch

Released Date:	4 June 2020
Requirements category (e.g., operating system):	Windows 10
Requirements category (e.g., instrument software version):	6.60.00601/11.15.00003
File Name:	SetupInfCEI56G02100019.exe

- Update jitter to follow new 11.15 requirements (PAM4 12 edge jitter requires 100 patterns per acq)

Keysight D9010CEIC Software Version 02.10-patch

Released Date:	10 Sept 2020
Requirements category (e.g., operating system):	Windows 10
Requirements category (e.g., instrument software version):	6.55.00902,10.25.00902
File Name:	SetupInfCEI56G02100013.exe

- Improve coef tests when closed eye
- Infiniium baseline updated PAM4 12 edge jitter to PAM4 setup. Aligned coding with new setup

Keysight D9010CEIC Software Version 02.10

Released Date:	19 June 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:	SetupInfCEI56G02100000.exe

Initial Release