D9010EAPC 10GBASE-KR and 40GBASE-KR4 Compliance Test Application

Keysight D9010EAPC Software Version 3.20.3.0

Release Date:	Apr 11, 2023
Requirements Category (e.g., operating system):	Microsoft Windows 10
Requirements Category (e.g., instrument software version):	6.74.00402(9000 Series, S-series, 90000 Series, 90000 X-Series, 90000 V-Series, 90000 Q-Series, 90000 Z-Series) 11.51.00102 (UXR/UXR-B Series)
File Name:	SetupInf10GKR6403200003.exe
Licenses:	Please see the product data sheet on Keysight.com.

New Feature

- Support UXR-B Series oscilloscope.

Modification

- Update Keysight License Manager 5.

Known Issues

- DME T3 – Clock Transition to Data Transition Test shows infinity result if run together with DME T1- Transition Position Spacing (period) Test.
  Workaround: Enable the Infiniium user interface during run by navigating to **View** menu › **Preferences** dialog box › **Run** tab › **Miscellaneous** section.

- Overload warning is detected on Infiniium for various tests.

KEYSIGHT

- Screenshot error occurs after running Differential peak to peak output voltage test with TX disable for 40GBase-KR4 without Switch Matrix.
- The details information (transition count, TJ at different BER level) in the BER Bathtub graph screenshot is missing for jitter tests.

Keysight D9010EAPC Software Version 3.20.0.0

Release Date:	November 18, 2022
Requirements Category (e.g., operating system):	Microsoft Windows 10
Requirements Category (e.g., instrument software version):	6.71.00001(9000 Series, S-series, 90000 Series, 90000 X-Series, 90000 V-Series, 90000 Q-Series, 90000 Z-Series) 11.30.00406 (UXR Series) 11.30.00406 (MXR Series)
File Name:	SetupInf10GKR6403200000.exe
Licenses:	Please see the product data sheet on Keysight.com.

Issues Fixed

- Fixed error message prompt that appeared during auto-screenshot phase of the test run while running "Differential Peak to Peak Output Voltage Test with TX disable" and all the tests under the group: Transmitter Output Waveform (Information Only) Measurements (Pattern Square 8).

Known Issues

- DME T3 – Clock Transition to Data Transition Test shows infinity result if run together with DME T1- Transition Position Spacing (period) Test.
  Workaround: Enable the Infiniium user interface during run by navigating to **View** menu **>** **Preferences** dialog box **>** **Run** tab **>** **Miscellaneous** section.

- Overload warning is detected on Infiniium for various tests.

Notes / Recommendations

- The 40GBASE-KR4 with switch matrix and 40GBase-KR4 without Switch Matrix are not tested.

Keysight D9010EAPC Software Version 3.10.0.0

Release Date:	July 05, 2019
Requirements Category (e.g., operating system):	Microsoft Windows 10 and Windows 7
Requirements Category (e.g., instrument software version):	6.40.00714/10.10.04514
File Name:	SetupInf10GKR03100004.exe
Licenses:	Please check the product data sheet on Keysight.com.

Modifications / Changes

- Updated to new Keysight GUI.

- Update to new product number D9010EAPC

Keysight N8814A/B Software Version 2.02.00001

Release Date:	Oct 31, 2017
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	6.00
File Name:	SetupInf10GKR02020001.exe
Licenses:	Please check the product data sheet on Keysight.com.

Modifications / Changes

- Narrowed thresholds.

Keysight N8814A/B Software Version 2.02.0000

Release Date:	May 05, 2017
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	6.00
File Name:	SetupInf10GKR02020000.exe
Licenses:	Please check the product data sheet on Keysight.com.

Modifications / Changes

- Average waveforms for rise/fall time measurements

- Added Precision probe

Keysight N8814A/B Software Version 02.01

Release Date:	May 29, 2014
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	5.50
File Name:	SetupInf10GKR02010000.exe
Licenses:	Please check the product data sheet on Keysight.com.

Modifications / Changes

- Added option to test all four lanes in parallel with 4 differential probes. This option is only available for Q Series, V Series, and Z Series.

Keysight N8814A/B Software Version 02.00

Release Date:	May 29, 2014
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	5.50
File Name:	SetupInf10GKR02000000.exe
Licenses:	Please check the product data sheet on Keysight.com.

Modifications / Changes

- Updated and validated for Infiniium 5.00.

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Agilent N8814A Software Version 01.01.0001

Release Date:	February 10, 2014
Requirements Category (e.g., operating system):	Microsoft Windows XP and Windows 7
Requirements Category (e.g., instrument software version):	4.20/4.50
File Name:	SetupInf10GKR01010001.exe
Licenses:	Please check the product data sheet on Keysight.com.

Modifications / Changes

- Patch – fix reset of InfiniiSim settings.

Agilent N8814A Software Version 01.01

Release Date:	January 15, 2014
Requirements Category (e.g., operating system):	Microsoft Windows XP and Windows 7
Requirements Category (e.g., instrument software version):	4.20/4.50
File Name:	SetupInf10GKR01010000.exe
Licenses:	Please check the product data sheet on Keysight.com.

Modifications / Changes

- Updated rise/fall time measurement to measure all edges

- Added report item per test to report number of UI tested

- Improved scaling of signals

- Updated Rj measurement from rms to peak to peak value

- Added hold measurement for Coefficient Update

Agilent N8814A Software Version 01.00

Release Date:	August 01, 2013
Requirements Category (e.g., operating system):	Microsoft Windows XP and Windows 7
Requirements Category (e.g., instrument software version):	4.20/4.50
File Name:	SetupInf10GKR01000001.exe
Licenses:	Please check the product data sheet on Keysight.com.

Initial Release

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