Keysight N4917CPCA ORST for Fronthaul Networks

The N4917CPCA optical receiver stress test software is required to control the various instrument configurations that make up the N4917CPCA solution.

Software licensing

If no license is installed the SW will run in demo mode.

For controlling the hardware, you can choose between a transportable, perpetual license (N4917CPCA-1TP) or a network/floating license (N4917CPCA-1NP). The network license is only recommended when using multiple N4917CPCA setups within one company.

For further important information see

– N4917CPCA Solution Brochure
– N4917CPCA User Guide
– N4917CPCA Post Installation Notes

Release 2.0.0.8

Released Date:	31 March 2019
Operating System:	Microsoft Windows 7 (64 bit)
	Microsoft Window 10 (64 bit)
Controller requirements:	8 GB RAM (minimum)
	USB, LAN, GPIB interfaces
Display resolution:	Minimum requirement 1449 x 900
Software pre-requisites:	Keysight IO Library rev. 18.1 or later
	M8070A System Software rev 5.1.50.2 or later, or
	M8070B System Software rev 6.0.100.2 or later
	N1010A FlexDCA SW ver A.06.02.17 or later
File Name:	N4917CPCA_Setup_2.0.0.8.exe

Updating "Parameter" and "Results" folders

If you have previously installed an earlier version the N4917CPCA software on your PC, upgrading to a newer version will rename the original Parameter and Result folders to Parameter_V1.x_files and Result_V1.x_files respectively. Note that the earlier version parameter and result files are not compatible with version 2.0.

The path to the renamed folders is:
C:\Users\Documents\Public Documents\Keysight\N4917CPCA\Parameter_V1.x_files
C:\Users\Documents\Public Documents\Keysight\N4917CPCA\Result_V1.x_files

New versions of the Parameter and Result folders will be created and populated with files compatible with version 2.0.

The path to these folders is:
C:\Users\Documents\Public Documents\Keysight\N4917B\Parameter
C:\Users\Documents\Public Documents\Keysight\N4917B\Result

Breaking changes

Adds support for CPRI Option 7, 8 line rates (9.8304 Gb/s, 10.1376 Gb/s)

Known defects

After a stressed eye calibration run, if an equipment configuration in System Connections is changed (e.g. from DCA-X to DCA-M) then it is recommended to close the N4917CPCA SW window, then re-start it and perform the System Connections again, then load the required Parameter file.

Release 1.1.0.10

Released Date:	31 August 2017
Operating System:	Microsoft Windows 7 (64 bit)
	Microsoft Window 8
Controller requirements:	8 GB RAM (minimum)
	USB, LAN interfaces
Display resolution:	Minimum requirement 1449 x 900
Software pre-requisites:	Keysight IO Library rev. 17.2 or above
	M8070A System Software rev 3.5.100.2 or later
	N1010A FlexDCA SW ver A.05.51 or later
File Name:	N4917CPCA_Setup_1.5.0.0.exe

Breaking changes

Initial release for CPRI Option 10 line rate.

Known defects

After a stressed eye calibration run, if an equipment configuration in System Connections is changed (e.g. from DCA-X to DCA-M) then it is required to close the N4917CPCA SW window, then re-start it and perform the System Connections again, then load the required Parameter file.