

Anritsu - GRL

PCIe 6.0 CEM Rx Test Application

Release Note

2nd Edition

This software is released for PCIe 6.0 CEM Rx Test.

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1. Released Software

The certificate software versions for Keysight / Tektronix Scope are shown in the table.

Edition	GRL Gen6 CEM Rx Test Application	Anritsu MX190000A	Anritsu MX183000A	Scope	
				Keysight	Tektronix
02	V1.00.65	V10.05.02	V10.05.00	DSAZ504A V06.74.01101	DPO77002SX V10.14.0.15
01	V1.00.11	V10.03.02	V10.03.01	DSAZ634A V06.60.00403	DPS77004SX V10.11.0.30

2. Peripheral Devices

The peripheral devices of the application are shown in the table.

Model	Name
MP1900A	Signal Quality Analyzer-R
MU181000B	12.5GHz 4port Synthesizer
MU181500B	Jitter Modulation Source
MU196020A	PAM4 PPG
MU196040B	PAM4 ED
MU195050A	Noise Generator
MU196060A	32G baud NRZ/PAM4 Re-Driver

If you need help for the installation position of the mainframe, refer to the Anritsu website.
<https://www.anritsu.com>

3. Added Functions

Version	Description
V1.00.65	Supported PCIe 6.0 PHY Test Spec (Draft0.7).

4. Bug Fixes

Version	Description
V1.00.65	Fixed the algorithm of Preset Calibration so that the results converge to the spec range.

5. Remaining Known Bugs

None

6. Usage Notes

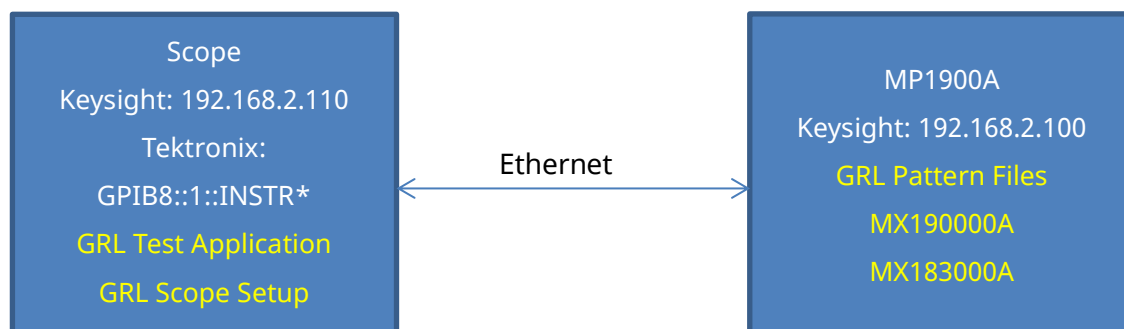
None

Appendix

A. Quick Startup Guide

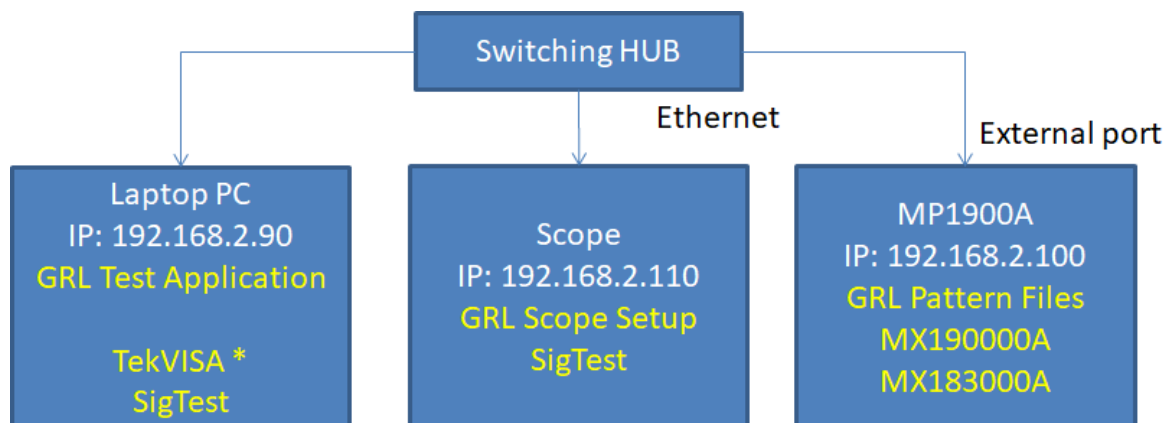
1. Connect instruments with Ethernet cables as shown below.
2. Set the IP and GPIB addresses as shown below. These can be set in the Network and Sharing Center (Windows OS feature).
3. Install all applications as shown below (Yellow letters).

- Recommended connection



* TCP/IP cannot be used when the GRL software is installed on a Tektronix scope. Set the GPIB address as "GPIB8::1::INSTR".

- Optional connection



* TekVISA is needed to control Tektronix scopes. But, the PC on which TekVISA is installed cannot control Keysight scopes. Also, this configuration makes the remote control speed slower than the recommended configuration.

4. Launch application and configure equipment settings.
Enter the scope address as below, and click . If the setting and connection are correct, the button will turn green.

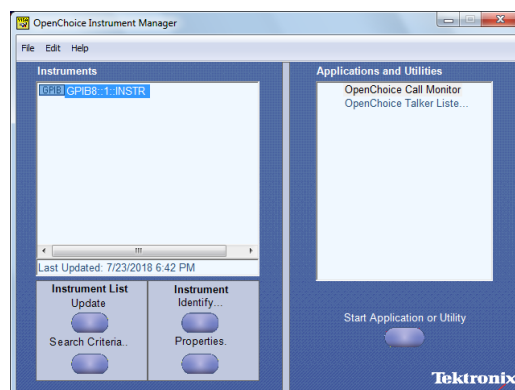
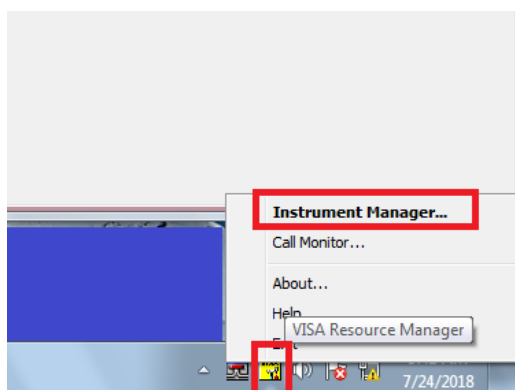
Tektronix Scope

When the GRL software is installed on the laptop:

TCPIP0::192.168.2.110::inst0::INSTR

When the GRL software is installed on the scope: GPIBX::1::INSTR*

* Tektronix scope cannot use TCP/IP when the GRL software is installed on it.
In this case, GPIB VISA should be set. The address can be checked using the VISA instruments Manager.



Keysight Scope

When the GRL software is installed on the laptop:

TCPIP0::192.168.2.110::inst0::INSTR

When the GRL software is installed on the scope: TCPIP0::localhost::inst0::INSTR

MX190000A: TCPIP0::192.168.2.100::5001::SOCKET*

MX183000A: TCPIP0::192.168.2.100::5000::SOCKET*

* Port numbers should be set for MX190000A and MX183000A.