

GRL-TBT3-RXA

Receiver Test Automation Software (GRL)

Quickly test your Receiver BER and Jitter Margin to the Thunderbolt 3 CTS



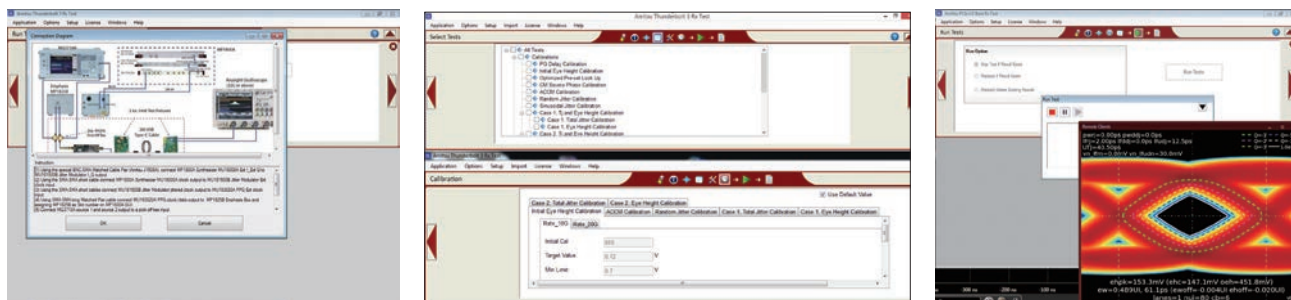
Product Overview

GRL's Thunderbolt™ 3 (Thunderbolt Alternate mode over USB Type-C™ Interconnect Specification) Receiver Calibration and Test Automation Software for the Anritsu MP1800A BERT (GRL-TBT3-RXA) provides an automated, simple, and efficient way to test your Thunderbolt 3 Receiver Compliance Test Specification.

GRL-TBT3-RXA automates the MP1800A and real-time oscilloscope to calibrate the stressed parameters and test Rx BER conformance. GRL-TBT3-RXA provides a simple user interface to automate complex Thunderbolt testing, significantly reduces equipment calibration time.

Leverage and protect your Anritsu MP1800A investment. Save valuable time and leverage resources across multiple projects.

Features of GRL-TBT3-RXA Software

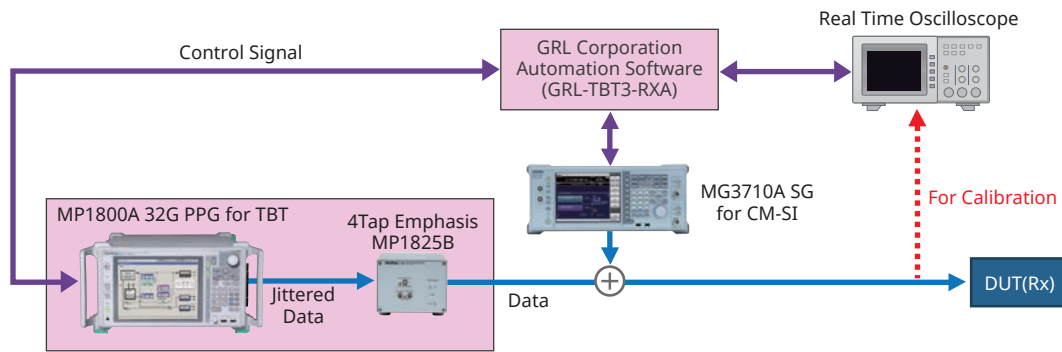


- Automates calibration of signal impairments to achieve stressed Rx Jitter parameters as defined in the USB Type-C Thunderbolt Alternate Mode Electrical Host/Device Compliance Test Specification
- Performs Rx BER tests required for Host/Device Compliance
- Automates Rx test with Tenlira scripts
- Performs receiver margining in both jitter and amplitude dimensions
- Simple Setup, Test Execution, and Reporting in PDF files
- Fully configurable and customizable



Anritsu MP1800A is recognized to recommended test equipment for Thunderbolt Compliance Test Specification.

Application



Application Specifications

Thunderbolt 3 Specification Receiver Test Automation Software

Item	Specifications				
Standard	USB Type-C Thunderbolt Alternate Mode Electrical Host/Device Compliance Test Specification (Revision 1.5, Version 0.8 compliance)				
Data Rates	20.625 Gbit/s, 10.3125 Gbit/s				
Required Equipment	BERT	Anritsu	Model Number/Name	Option	Number
			Signal Quality Analyzer MP1800A	002, 007, 014, 032	1
			12.5 GHz Synthesizer MU181000A	—	1
			Jitter Modulation Source MU181500A	—	1
			28 G/32 Gbit/s PPG MU183020A	012, 030	1
			4Tap Emphasis MP1825B	002	1
	Components	Anritsu	Vector Signal Generator MG3710A	002, 029, 036, 041, 066, 071	1
			N-SMA ADAPTOR J1398A		2
			Fixed Attenuator 20 dB 41KC-20		2
			Pick OFF Tee J1510A		2
			COAXIAL CABLE 0.3M (SMA connector) J1624A		2
			COAXIAL CABLE 1M (SMA connector) J1625A		4
			Coaxial Cable set (Jitter-PPG-Emphasis) J1615A		1
			Coaxial skew match cable (0.8 m, K connector) J1551A		2
Keysight		25 GHz or higher bandwidth Real-Time Oscilloscope (DSAX-Q or newer series)	1		

Ordering Information

For a formal quote and pricing contact info@graniteriverlabs.com

Model	Name
GRL-TBT3-RXA	Thunderbolt 3 Receiver Test Automation Software

About Granite River Labs (GRL)

Granite River Labs (GRL) provides end-to-end Engineering Services and Test Solutions to help hardware engineers adopt high speed interfaces. A trusted partner of up-and-coming hardware developers to some of the largest companies in the world, GRL combines recognized industry experts, high performance test equipment, and automated test solutions. For more information, please visit us at www.graniteriverlabs.com.