GRL Announces USB4™ Comprehensive Electrical Test Solution for Multi-Vendor Platforms

Solution for Testing USB4™ Transmitter, Receiver, and Return Loss Compliance with the Anritsu MP1900A BERT and MS46524B VNA, and multiple scopes

SANTA CLARA, Calif., June 2, 2020 – Granite River Labs (GRL), a global leader in engineering services and test solutions for connectivity and charging today announced a comprehensive, flexible and efficient solution for electrical compliance testing and debugging USB4™ designs.

USB4 doubles the maximum aggregate bandwidth of USB and enables multiple simultaneous data and display protocols, supporting two-lane operation using existing USB Type-C® cables and up to 40Gbps operation over 40Gbps certified cables, as well as backward compatibility with USB 3.2, USB 2.0 and Thunderbolt.

GRL's USB4 solution includes three software automation tools that may be purchased separately or together:

- GRL-USB4-TX USB4 Transmitter Test Automation software
- GRL-USB4-RXA USB4 Receiver Calibration and Test Automation software for the Anritsu Signal Quality Analyzer-R (SQA-R) MP1900A BERT
- GRL-USB4RL-AN USB4 Return Loss Test Automation software for the Anritsu MS46524B VNA

GRL's USB4 Transmitter and Receiver tools are compatible with Keysight and Tektronix real-time oscilloscopes. All tools may be run on any Windows 7+ PC or directly on the scope for ultimate flexibility. Together, they provide engineers with an all-in-one solution to ensure compatibility and compliance of their USB4 designs.

GRL's solution supports testing USB4 at 40Gbps and 20Gbps over USB Type-C. GRL-USB4-RXA automates the Anritsu MP1900A and real-time oscilloscope to calibrate the stressed eye and test USB4 receiver compliance and jitter margin to the specification and user-defined parameters. GRL-USB4-TX and GRL-USB4RL-AN automate all USB4 transmitter and return loss compliance tests, respectively. The solution is compatible with USB4 test fixtures and microcontroller.

"USB Implementers Forum (USB-IF) closely collaborates with its member companies, such as Granite River Labs, to support the development of next generation USB solutions," said Jeff Ravencraft, president and COO of USB-IF. "An important contributor to the USB ecosystem, GRL's support for USB4 electrical compliance testing will help our members deliver certified USB4 products to market that are compliant to the specification, reliable and easy to use."

"We are excited to deliver a new USB4 receiver and return loss test solution in partnership with GRL," said Hiroshi Goto, Product Manager of Anritsu Corporation. "GRL's software solution allows engineers to quickly produce highly reproducible USB4 test results using world-class Anritsu hardware and multiple vendors' scopes."

"GRL is proud to offer this this solution to the USB developer community and add to our list of contributions to the USB ecosystem," said Miki Takahashi, GRL EVP of Engineering. "Leveraging our expertise in USB and Thunderbolt, GRL's test automation software platform provides engineers with a suite of tools to debug and validate early USB4 product designs with high flexibility and return on their test equipment investment."

Availability:

Contact Granite River Labs or your Anritsu sales representative. For additional information or questions regarding GRL test solutions, including quotes, product demonstrations, software and technical assistance please contact us at info@graniteriverlabs.com.

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About Granite River Labs | www.graniteriverlabs.com

The world's leading Engineering Services and Test Automation Solutions firm for connectivity and charging, GRL helps engineers solve tough design and validation challenges. GRL began in 2010 with a vision to provide affordable test services to help hardware developers implement digital interface technologies as they become faster, more complex, and more challenging to test. Today, GRL has worked with hundreds of companies supporting the adoption of new and emerging technologies from our worldwide test facilities and R&D centers.

About Anritsu Corporation | https://www.anritsu.com/en-us/

Anritsu's flagship measuring instrument business provides products and services indispensable to the development, manufacture and maintenance of a range of communication systems as typified in mobile phones and the Internet on a global scale. With a foundation afforded by the measuring technologies accumulated over its history of more than 120 years, Anritsu will continue to contribute to the realization of a safe, secure and comfortable society. For more information please visit www.anritsu.com.

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