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Subject: **USB4 Electrical Test Solutions**

PRESS RELEASE

Teledyne LeCroy Announces Industry's First Electrical Test Solution for USB4™

DesignCon, Santa Clara, CA, January 27, 2020 – Teledyne LeCroy, Inc. furthers its leadership in USB4 testing today with the announcement of QualiPHY USB4 Electrical Transmitter (Tx) and Receiver (Rx) Compliance Test Software (QPHY-USB4-TX-RX) for its LabMaster 10 Zi-A and WaveMaster/SDA 8 Zi-B oscilloscopes used in conjunction with Anritsu's Signal Quality Analyzer-R (SQA-R) MP1900A BERT. This announcement follows Teledyne LeCroy's shipment of the first (and only) USB4 Protocol Analyzer in September of 2019.

The USB Type-C® connector is quickly becoming the PC industry's standard for converged high-speed data, display (video) and power delivery. USB Type-C delivers data, video and power over the same connector, simplifying connections. USB4 through USB Type-C doubles the speed of USB 3.2 and is expected to see rapid adoption by PC, docking and USB peripheral makers.

The combination of Teledyne LeCroy's QPHY-USB4-TX-RX software and oscilloscopes with an Anritsu SQA-R MP1900A BERT provides USB4 electrical validation and test engineers an integrated electrical test solution for automated compliance testing, ensuring faster time-to-market. Key features of Teledyne LeCroy's USB4 electrical test solution include:

- Automated Tx and Rx electrical tests outlined in the USB4 Router Assembly, USB4 Captive Device and Thunderbolt™ 3 Electrical Compliance Test Specifications – the first and only solution that provides this capability.
- Multi-lane analysis capability, which performs acquisition, analysis and compliance tests on both Tx lanes simultaneously, greatly reducing compliance test time.

“The USB Implementers Forum (USB-IF) is pleased to see Teledyne LeCroy announce support for USB4 electrical testing,” said USB-IF President and COO Jeff Ravencraft. “An important contributor to the USB ecosystem, Teledyne LeCroy's participation and support for USB4 electrical compliance testing will help our members deliver high-performing and reliable USB products to market.”

“Anritsu and Teledyne LeCroy share a common goal of providing engineers early availability of highly accurate and efficient test solutions required to verify their leading-edge designs. Our combined solution integrating the SQA-R MP1900A and Teledyne LeCroy oscilloscopes fills the market void for a complete USB4 electrical test system,” said Hiroyuki Takahashi, General Manager, Anritsu Corporation.

Teledyne LeCroy will demonstrate the QPHY-USB4-TX-RX software with a LabMaster 10-36 Zi-A (36 GHz oscilloscope) and an Anritsu SQA-R MP1900A BERT at DesignCon 2020 in Santa Clara, CA, in Teledyne LeCroy booth #513. The full presentation schedule is listed at teledynelecroy.com/designcon.

Pricing and Availability

QPHY-USB4-TX-RX will be available for LabMaster 10 Zi-A and WaveMaster/SDA 8 Zi-B oscilloscopes with bandwidths of 25 GHz or higher. QPHY-USB4-TX-RX will be priced at \$9,995. Oscilloscope firmware and QualiPHY automated compliance test software releases supporting these new functions will be available in February 2020.

About Teledyne LeCroy

Teledyne LeCroy is a leading manufacturer of advanced oscilloscopes, protocol analyzers and other test instruments that verify performance, validate compliance and debug complex electronic systems quickly and thoroughly. Since its founding in 1964, the Company has focused on incorporating powerful tools into innovative products that enhance "Time-to-Insight". Faster time-to-insight enables users to rapidly find and fix defects in complex electronic systems, dramatically improving time-to-market for a wide variety of applications and end markets. Teledyne LeCroy is based in Chestnut Ridge, N.Y. For more information, visit Teledyne LeCroy's website at teledynelecroy.com.

About Anritsu

Anritsu Corporation is a global provider of innovative communications test and measurement solutions for 120 years. Anritsu's "2020 VISION" philosophy engages customers as true partners to help develop wireless, optical, microwave/RF and digital solutions for R&D, manufacturing, installation and maintenance applications, as well as multidimensional service assurance solutions for network monitoring and optimization. Anritsu also provides precision microwave/RF components, optical devices, and high-speed electrical devices for communication products and systems. The company develops advanced solutions for 5G, M2M, IoT, as well as other emerging and legacy wireline and wireless communication markets. With offices throughout the world, Anritsu has approximately 4,000 employees in over 90 countries.

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