

Tektronix Introduces Industry's First Comprehensive Receiver Testing Solution for MIPI D-PHY v2.0

Supports Testing Requirements for Such Advanced Applications as Autonomous Driving Systems, In-Vehicle Infotainment, High-End Smartphones

BEAVERTON, Ore., Jan. 24, 2017 /[PRNewswire](#)/ -- Tektronix, Inc., a leading worldwide provider of measurement solutions, today introduced the industry's first receiver test solution with 100 percent coverage of the MIPI Alliance's recently released D-PHY v.2.0 specification along with full support for the C-PHY v1.1 receiver test specification.

Tektronix now offers MIPI designers, such as those working on autonomous driving systems or in-vehicle infotainment, simplified PHY receiver test set up and faster test execution combined with industry leading signal fidelity and flexible support for in-depth debug and margin testing. This solution expands Tektronix' [extensive portfolio](#) of MIPI PHY transmitter and receiver and protocol test solutions for its industry leading real-time oscilloscopes, arbitrary waveform generators and BERTScope bit error rate testers.

MIPI standards continue to evolve quickly to support consumer demands for ever more powerful devices. In addition, the latest high-speed MIPI standards are seeing broad adoption in the automotive sector for applications ranging from self-driving cars to vehicle telematics. Receiver testing has emerged as one of the more difficult challenges due to increased complexity, higher speeds, different data rates and modes (HS, LP, HS-LP) and backward compatibility requirements. With this latest release, Tektronix is keeping pace with the rapidly changing MIPI standards landscape while giving designers the future-proof test solutions they need to efficiently bring new products to market.

"In highly competitive sectors like automotive and mobile, engineering teams face uncommon challenges to bring highly differentiated solutions to market while demonstrating compliance to increasingly complex standards," said Brian Reich, general manager, Performance Oscilloscopes, Tektronix. "With our industry leading signal generators and oscilloscopes and advanced software support for the latest MIPI standards, we are giving our customers the compliance testing and debug tools they need to meet these challenges."

The latest Tektronix MIPI receiver test solutions consist of DPHYXpress and CPHYXpress software packages running on [AWG70000 Series](#) arbitrary waveform generators. These solutions offer industry leading signal fidelity with up to 50 GS/s sampling rate and 10-bit vertical resolution. The software gives users full control to change receiver test parameters such as rise time, amplitude, jitter, setup/hold time for CLK, skew, noise, duty cycle distortion and more. It also allows users to de-embed cable effects using a direct synthesis method. To reduce test times, the applications offer a batch mode for receiver margin testing to easily create and replay libraries of complied stress waveforms with different jitter and noise parameters.

Availability and pricing

The [DPHYXpress](#) and [CPHYXpress](#) solutions are available for download now from the Tektronix website. Pricing is \$10,000 US MSRP.

Wondering what else Tektronix is up to? Check out the Tektronix [Bandwidth Banter blog](#) and stay up to date on the latest news from Tektronix on [Twitter](#) and [Facebook](#).

About Tektronix

Headquartered in Beaverton, Oregon, Tektronix delivers innovative, precise and easy-to-operate test,

measurement and monitoring solutions that solve problems, unlock insights and drive discovery. Tektronix has been at the forefront of the digital age for over 70 years. Join us on the journey of innovation at TEK.COM.

Tektronix is a registered trademark of Tektronix, Inc. All other trade names referenced are the service marks, trademarks or registered trademarks of their respective companies.

MIPI is a **registered trade** mark of *MIPI* Alliance.

SOURCE Tektronix, Inc.

For further information: Amy Higgins, Worldwide PR & Brand Manager, Tektronix, ahiggins@tektronix.com, 503.627.6497

Additional assets available online:  [Photos \(2\)](#)

<http://news.tektronix.com/2017-01-24-Tektronix-Introduces-Industrys-First-Comprehensive-Receiver-Testing-Solution-for-MIPI-D-PHY-v2-0>