

## **Tektronix Announces Automated Solution for MIPI® Alliance M-PHYSM Transmitter and Receiver Testing**

**Also Includes Oscilloscope-Based Protocol Decode for M-PHY UniProSM, and LLI Protocols**

BEAVERTON, Ore., March 12, 2012 - Tektronix, Inc., the world's leading manufacturer of oscilloscopes, today announced a complete automated solution for MIPI Alliance M-PHY testing, providing the industry's widest and most complete coverage of this emerging standard. Further adding to its industry lead in support of MIPI standards, Tektronix also released new protocol decode and analysis solutions for M-PHY UniPro and LLI protocols that can be performed on a Tektronix oscilloscope.

"Meeting the needs of the MIPI and M-PHY design community has been a top priority for Tektronix, and we are continuing to push hard to deliver comprehensive test solutions to our customers in this space," said Roy Siegel, general manager, Oscilloscopes, Tektronix. "We were the first to market with MIPI solutions starting in September 2010, and now offer the industry's most complete, Tx, Rx and protocol test solution for the latest M-PHY test specification."

The new Opt. M-PHYTX for Tektronix DPO/DSA/MSO70000 series oscilloscopes automates approximately 700 tests in regression of all high speed (HS) and pulse width modulation (PWM) gears, amplitude and termination combinations, greatly improving test engineering setup time and consistency. The new capability includes support for regression testing across different modes along with flexible print or HTM reporting capabilities for workgroup sharing or vendor qualification testing.

With seamless switching from automation to analysis mode, Opt. M-PHYTX allows designers to perform step-by-step debugging on failures using the Tektronix DPO-JET Jitter and Timing Analysis toolset that enables engineers to identify problems quickly across different test modes and combinations. Automated transmitter tests and protocol decode analysis can be completed using just one instrument, a Tektronix high-performance oscilloscope. The automated receiver test setup, Opt. M-PHYRX utilizes a highly optimized setup that significantly reduces equipment costs compared to alternatives that require at least three or more instruments with numerous connectors for conducting the stringent M-PHY Receiver tests as specified by the MIPI Alliance.

"The availability of comprehensive test solutions is a key component to the successful deployment of MIPI Alliance specifications," said Joel Huloux, Chairman of the Board of MIPI Alliance. "Tektronix is actively involved in specification development as well as our Test Investigation Group and we appreciate their efforts to advance MIPI specifications."

The highly integrated Tektronix M-PHY solution includes the addition of Power Spectral Density (PSD) measurements built into the oscilloscope that eliminates the need for an external spectral analyzer for transmitter testing. And integrated M-PHY error detection eliminates the need for an external bit-error-rate tester for receiver testing, further reducing equipment expense and setup time.

"Tektronix is an important Mixel MIPI Central ecosystem partner and we are proud that Tektronix chose to employ Mixel's M-PHY platform which supports all the M-PHY use-cases. Our collaboration with Tektronix has been of great value to our M-PHY customers," said Ashraf Takla, CEO, Mixel. "The Tektronix M-PHY product provides a degree of automation that saves considerable time and effort while improving repeatability. We are delighted that we will be demonstrating our M-PHY with Tektronix M-PHY product in the MIPI face-to-face meeting in Seoul Korea in the March."

Availability & Pricing

Opt.M-PHYRX is available now globally. Opt.M-PHYTX, PGY-LLI and PGY-UPRO will be available in early April. Opt.M-PHYTX up to Gear2 will also be available in early April with Gear3 available later in Q2 2012.

Opt.M-PHYTX is \$5,570 US MSRP and customers must have DPOJET as well. PGY-UPRO and PGY-LLI are both \$8,000 US MSRP.

Wondering what else Tektronix is up to? Stay up to date on the latest news from Tektronix on Twitter and Facebook.

#### About Tektronix

For more than sixty five years, engineers have turned to Tektronix for test, measurement and monitoring solutions to solve design challenges, improve productivity and dramatically reduce time to market. Tektronix is a leading supplier of test equipment for engineers focused on electronic design, manufacturing, and advanced technology development. Headquartered in Beaverton, Oregon, Tektronix serves customers worldwide and offers award-winning service and support. Stay on the leading edge at [www.tektronix.com](http://www.tektronix.com).

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