

Tektronix Delivers Advanced Analysis and Compliance Test Solution for MHL® 2.1

Provides the Industry's Only One-Box Solution for PHY, Protocol Testing of Latest Mobile High-Definition Link Standard

PR Newswire
BEAVERTON, Ore.

BEAVERTON, Ore., July 16, 2013 /PRNewswire/ -- Tektronix, Inc., the world's leading manufacturer of oscilloscopes, today announced availability of the industry's only one-box solution for physical and protocol compliance testing for the latest Mobile High-Definition Link (MHL®) Compliance Test Specification (CTS) 2.1 covering transmitter (Tx), receiver (Rx), dongle and cable testing for both physical (PHY) and protocol layers.

(Logo: <http://photos.prnewswire.com/prnh/20130103/SF36616LOGO-b>)

The MHL specification was developed by Nokia Corporation, Samsung Electronics Co., Ltd., Silicon Image, Inc., Sony Corporation, and Toshiba Corporation as a standard for connecting mobile phones and portable devices to HDTVs and large displays. MHL technology enables mobile devices to output home theatre quality video and digital audio to HD displays while simultaneously charging the device. MHL-enabled products include smartphones, tablets, DTVs, TV accessories, Blu-ray Disc™ players, audio / video (AV) receivers, monitors, projectors, adapters, automotive accessories, cables, and more. The new MHL CTS 2.1 specification adds direct attach device testing and cable tests while introducing new test methods for data eye diagram and clock jitter tests, all supported by Tektronix.

"Like everything mobile, the MHL standard is evolving quickly and it is critical that engineers developing mobile products can turn to a test and measurement provider with support for the latest features and developments," said Brian Reich, general manager, Performance Oscilloscopes, Tektronix. "Tektronix is closely aligned with the MHL Consortium, which allows us to quickly enhance our solution to meet our customers' test requirements. What's more, customers can use their existing MHL 1.2 and 2.0 setups for MHL 2.1 testing, thus protecting their investments in our solutions."

Tektronix's innovative [MHL protocol analyzer software](#) leverages the same Tektronix real-time oscilloscope, such as a DPO/DSA/MSO70000 Series, used for physical layer testing to provide a complete MHL protocol test solution. This one box solution enables a seamless transition between physical and link layers.

Testing efficiency is further enhanced with direct synthesis-based Rx and dongle testing that provides accurate MHL signal generation including all of the impairments necessary to meet MHL CTS 2.1 requirements. The direct synthesis solution provides easier, more repeatable test set-ups and lower cost compared to complex sink-based solutions for generating signal impairments.

"The MHL standard continues to grow and with over 200 adopters and an installed base of more than 260 million products from many of the world's leading consumer and mobile device companies, advanced testing solutions are vital to ensure interoperability across compatible devices," said Solomon Langley, General Manager of Simplay Labs, the leading solutions provider of high-definition testing programs for consumer electronics and mobile industries. "The ongoing collaboration between Tektronix and Simplay Labs ensures that manufacturers have proven test resources that will help them bring fully compliant MHL 2.1 devices to market quickly."

Availability

Option MHD with MHL CTS 2.1 support is available now worldwide. Setups used for MHL CTS 1.2 and 2.0 testing can continue to be used for CTS 2.1.

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

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.

About Simplay Labs

Simplay Labs, LLC, based in Sunnyvale, Calif., is the leading solutions provider of technologies, testing programs, development tools, and interoperability and performance design standards for the high-definition (HD) consumer electronics and mobile industries. The Simplay HD™ Testing Program is comprised of leading consumer electronics manufacturers and technology providers focused on delivering fully compatible products for consumers. As a result, consumers making home theater component purchases can be confident that Simplay HD verified systems exhibit the highest levels of interoperability performance and are ready to receive and play premium digital content, regardless of manufacturer. Simplay Labs is a wholly-owned subsidiary of Silicon Image, Inc. (NASDAQ: SIMG).

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.

SOURCE Tektronix, Inc.

<http://news.tektronix.com/2013-07-16-Tektronix-Delivers-Advanced-Analysis-and-Compliance-Test-Solution-for-MHL-2-1>