Tektronix Introduces Automated Test Support for 100G Short Reach Optical Test

New Testing Solution Speeds Development of IEEE 802.3bm-Related Technologies, Enables Faster and More Repeatable Optical Measurements

BEAVERTON, Ore., Sept. 22, 2015 /PRNewswire/ -- The publication of the IEEE 802.3bm specification is enabling broad market acceptance of lower-cost 100G optical products. Tektronix, the world's leading manufacturer of oscilloscopes, is responding with the industry's first fully automated Transmitter Dispersion Eye Closure (TDEC) measurement and 100GBASE-SR4 conformance test solution that will make the complex process of ensuring that new product designs conform to this optical specification faster, easier.

The 802.3bm standard effort and its promise of interoperability broadens the already active, competitive 100G marketplace of optical modules and systems. This is where conformance testing becomes vitally important and requires robust validation tools. With the addition of TDEC measurement as well as the full 100GBASE-SR4 conformance test support, Tektronix now offers a turnkey and fully automated optical solution. This solution is based on a DSA8300 equivalent time oscilloscope equipped with an 80C15 optical module – the only optical tool that supports full clock recovery and TDEC automation beyond 25.781 Gb/s.

Optical conformance testing requires low noise acquisitions. Through intensive development of optical acquisition technology, Tektronix now offers the lowest noise and highest sensitivity in the industry today, even with full clock recovery in place. The level of noise performance in the Tektronix 80C15 optical module serves a broad range of test needs in the optical industry, now with a full complement of TDEC and SR4 conformance measurements.

"As 100G networking becomes mainstream, Tektronix is playing a key role by providing validation tools that reduce the need to be an insider on the complex set of IEEE product conformance requirements," said Brian Reich, general manager, Performance Oscilloscopes, Tektronix. "Our turnkey tools for TDEC and 100GBASE-SR4 bridge this knowledge gap and let designers tackle conformance testing with a high degree of confidence."

The full range of Tektronix 100G and 400G test solutions for 100GBASE-LR4, 100GBASE-SR4, 400GBASE-LR and other standards will be demonstrated at the ECOC 2015 event taking place Sept. 28-30 in Valencia, Spain in Stand 435. For more information on the event go to: http://www.ecocexhibition.com/

Pricing & Availability

The automated TDEC/100GBASE-SR4 solution for use with a Tektronix DSA8300 oscilloscope and 80C15 optical module is available for order now and is priced starting at $2,500 US MSRP. For more information go to: http://www.tek.com/datasheet/default-accessory-series-2

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 65 years. Join us on the journey of innovation at www.tektronix.com.

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