



EMCORE Announces Successful Performance Test Results of OBI Mitigated L-EML™ RFoG ONU Transceiver

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Testing by Kyrio shows L-EML™-based RFoG ONUs are significantly better at reducing OBI (Optical Beat Interference) than traditional ONUs

ALHAMBRA, Calif., June 11, 2018 (GLOBE NEWSWIRE) -- EMCORE Corporation (NASDAQ:EMKR), a leading provider of advanced *Mixed-Signal Optics* products that provide the foundation for today's high-speed communication network infrastructures and leading-edge defense systems, announced today successful performance test results of its Linear Externally Modulated Laser (L-EML™), Radio Frequency over Glass (RFoG) Optical Networking Unit (ONU) transceiver by Kyrio, a subsidiary of CableLabs. Kyrio's results showed that EMCORE's L-EML™-based ONUs are significantly better at reducing the occurrence of Optical Beat Interference (OBI) in a passive optical network than traditional ONUs.

Kyrio's results are based on a test of up to 32 Distributed Feedback (DFB) ONUs and 32 L-EML™-based ONUs in a network with Kyrio provided passive optical splitters and cable. The testing compared the OBI performance of the set of traditional DFB RFoG ONUs to EMCORE's new L-EML™ solution for RFoG upstream communication. OBI results in poor data performance of all ONUs, cable modems and consumer devices connected to the same optical splitter. The results from this testing examined the ability of EMCORE L-EML™-based ONUs to reduce the occurrence of OBI to provide a better customer experience.

"EMCORE's L-EML RFoG ONU achieves OBI mitigation due to the inherent narrow spectral width of our laser technology, as well as through proprietary upstream laser wavelength management designed to significantly improve RFoG network performance in high-density customer environments," said Gyo Shinozaki, Vice President of Marketing at EMCORE. "We are extremely pleased that test results by Kyrio proved that our L-EML-based RFoG ONU reduced the effects of OBI compared to traditional ONUs," added Mr. Shinozaki.

EMCORE's L-EML™ RFoG ONU transceiver is designed to support standard CATV downstream and upstream transmission bands. Downstream it receives a 1550 nm forward path optical signal carrying an RF cable television spectrum up to 1.2 GHz. For return path the L-EML™ transmitter operates at 1610 nm and supports 5-42/65/85 or 204 MHz spectrum options. The unit is compliant with the SCTE (Society of Cable Telecommunications Engineers) RF over Glass specification.

EMCORE will showcase its OBI mitigated L-EML™ RFoG ONU transceiver and the Company's complete line of cable network solutions at ANGACOM 2018, June 12-14 at the Cologne Congress Center, Cologne, Germany, Hall 8, Booth #Q60. We will be meeting with customers and industry analysts at our booth and invite you to [contact us](#) if you are interested in scheduling a meeting.

About EMCORE

EMCORE Corporation is a leading provider of advanced *Mixed-Signal Optics* products that provide the foundation for today's high-speed communication network infrastructures and leading-edge defense systems. Our optical chips, components, subsystems and systems enable broadband and wireless providers to continually enhance their network capacity, speed and coverage to advance the free flow of information that empowers the lives of millions of people daily. The *Mixed-Signal Optics* technology at the heart of our broadband transmission products is shared with our fiber optic gyros and military communications links to provide the aerospace and defense markets state-of-the-art systems that keep us safe in an increasingly unpredictable world. EMCORE's performance-leading optical components and systems serve a broad array of applications including cable television, fiber-to-the-premise networks, telecommunications, data centers, wireless infrastructure, satellite RF fiber links, navigation systems and military communications. EMCORE has fully vertically-integrated manufacturing capability through its world-class Indium Phosphide (InP) wafer fabrication facility at our headquarters in Alhambra, California, and is ISO 9001 certified in Alhambra and at our facility in Beijing, China. For further information about EMCORE, please visit <http://www.emcore.com>.

Forward-looking statements:

The information provided herein may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements include statements regarding EMCORE's plans, strategies, business prospects, growth opportunities, changes and trends in our business and expansion into new markets. These forward-looking statements are based on management's current expectations, estimates, forecasts and projections about EMCORE and are subject to risks and uncertainties that could cause actual results and events to differ materially from those stated in the forward-looking statements, including without limitation, the following: (a) the rapidly evolving markets for EMCORE's products and uncertainty regarding the development of these markets; (b) EMCORE's historical dependence on sales to a limited number of customers and fluctuations in the mix of products and customers in any period; (c) delays and other difficulties in commercializing new products; (d) the failure of new products: (i) to perform as expected without material defects, (ii) to be manufactured at acceptable volumes, yields, and cost, (iii) to be qualified and accepted by our customers, and (iv) to successfully compete with products offered by our competitors; (e) uncertainties concerning the availability and cost of commodity materials and specialized product components that we do not make internally; (f) actions by competitors; and (g) other risks and uncertainties discussed under Item 1A - Risk Factors in our Annual Report on Form 10-K for the fiscal year ended September 30, 2017, as updated by our subsequent periodic reports. Forward-looking statements contained in this press release are made only as of the date hereof, and EMCORE undertakes no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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