



Antennas, Photonics, & RF Communications



FOR IMMEDIATE RELEASE

Pharad Releases High Dynamic Range RF Photonic Transceivers

Baltimore, MD – June 7, 2011 - Pharad, LLC, introduced a full series of high dynamic range RF Photonic transceivers today at the International Microwave Symposium being held in Baltimore, Maryland. The eight new transceiver models provide operation as low as 3 MHz, with models operating up to 40 GHz. These low noise figure transceivers provide the highest commercially available spurious free dynamic range performance of up to 120 dB-Hz^{2/3} for high performing RF photonic links. Additionally, Pharad has released a compact dither-free modulator controller that provides OEMs with accurate and highly stable bias voltage control of optical modulators.

“These transceivers provide our customers low loss, high dynamic range RF signal over optical fiber transport,” said Austin Farnham, President of Pharad. “They have been developed in response to customer requirements for high performance RF over fiber links that cover large operational bandwidths. Our multi-band transceivers now enable the fiber-optic remoting of many differing RF signals using a single transceiver. User platforms that carry multiple RF radios and wireless services have created such demand for these transceivers that we now offer them as commercial off the shelf products. For those OEM customers building their own fiber optic links, we now also offer a compact, dither-free modulator controller.”

The transport of RF signals over optical fiber offers a number of benefits over conventional RF coaxial cables including reduced cabling size and weight; low loss over a wide RF bandwidth; and improved signal isolation. Pharad’s RF over fiber products support a diverse range of applications including antenna remoting, terrestrial communications, SATCOM platforms as well as aircraft and shipboard RF distribution systems.

About Pharad, LLC

Located in Glen Burnie, Maryland, Pharad, LLC is a customer focused company carrying out innovative research and development in the areas of highly efficient, electrically small antenna technologies and microwave photonic technologies. Pharad’s antenna development efforts have been focused on difficult to engineer antennas for confined operational environments and very broadband applications. Another division of Pharad is developing high performing RF Photonic transceiver products, specializing in very wideband, highly linear hybrid fiber radio technology that enables the fiber-optic remoting of radio signals up to 20 GHz via a single transceiver module. Octane and Flexenna are registered trademarks and property of Pharad, LLC.

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