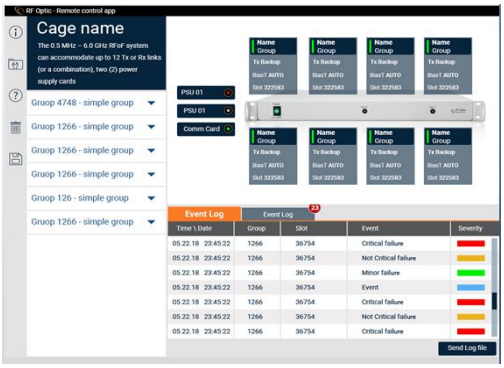
Optic Newsletter - April 2019

Welcome to our second newsletter of this year. It has been a busy time for RFOptic, not in the least since we closed deals in SA and the US with large system integrators for subsystem solutions with SNMP/HTML. Thanks to the efforts of our R&D team, we will be able to offer high SFDR 20, 30, 40 GHz RFoF with better Noise Figure and Gain in Q3 of this year. Our Optical Delay Line solutions are also gaining momentum in Korea, the UK and the US. We wrap up this newsletter with a short description of our successful attendance at the AUSA Global Force Exposition.

Enjoy your read,

Your RFOptic team.

Remote monitoring SNMP/HTML deployed in SA and the US



Recently, RFOptic closed deals with large system integrators in South Africa and the USA for subsystems solutions including SNMP and HTML. The provided solutions allow for managing many units remotely, (e.g., in highway tunnels, satcom applications etc.) with RFOptic's SNMP/HTML/REST capability.

This enables system integrators, operators and control center staff to monitor and manage their RFOptic systems, i.e. all types of units (indoor and outdoor), remotely with RFOptic's SNMP/HTML/REST protocols. Our management system is able to drill down to monitor and adjust any single module. Customers can remotely change parameters such as LNA On or LNA Off, level of attenuation both in Tx and Rx, and even perform RF end-to-end testing.

For more information, click here

High SFDR 20, 30, 40 GHz RFoF with better Noise Figure and Gain

In general, a wide range of spurious-free dynamic range (SFDR) is desirable when multiple signals of very different power levels are expected. High SFDR transmission RFoF simplifies signal conditioning requirements intended to avoid signal saturation and subsequent consequences such as power level adjustment, and ALC and power range switching by attenuators. During e.g., antenna testing, radar or communications system testing, high SFDR is essential due to the typical large amplitude ratios between main and side lobes or close and distant targets. The same applies to DF/ELINT systems which have to handle strong jammers concurrent with weak signals of interest.

RFOptic's high SFDR 20, 30 and 40 GHz RFoF solutions provide high SFDR of minimum 115 dB/Hz. Due to better NF, an additional preamplifier may not be needed anymore. Among the current customers that are using our RFoF high frequency product line are civil and defense systems integrators, space program companies, communications companies and more.

For more information, contact us at sales@rfoptic.com

RFOptic's ODL Solutions Gain Momentum in Korea, the UK and the US

For the last few years, RFOptic has built a reputation as the go-to company for Optical Delay Lines (ODL) solutions, providing Optical Delay Lines to well-known system integrators. Especially in Korea, the UK and the US, we are gaining momentum. Our ODL solutions range from 100 MHz to 40 GHz with time delays varying between 50 nanosec and 700 microsec (µsec) that can be controlled locally or remotely.

Applications include radar testing, remote antenna & radar calibration, and telecommunications testing and simulating channel delay.

Want to test your knowledge of ODL with our fun quiz? If so, click here

To learn more about ODL, click here

Our attendance at the AUSA Global Force Exposition was a success

Last month, Summit Communications Solutions representing RFOptic at the AUSA Global Force Exposition. At the FIS Blue booth, it was demonstrated how RFOptic's programmable RFoF solutions complement FIS Blue's offerings. FIS Blue and RFOptic partnership allows both companies to provide end-to-end solutions to their customers.

There was also a strong interest in our Optical Delay Line solutions, especially from companies active in the radar calibration field. Last but not least, it gave us the opportunity to meet with existing customers, and interact with visitors from the DoD and US Army.

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