

Press Information

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VPIphotonics and Anritsu Company to Demonstrate Test Solution that Addresses Next-generation Mobile Services over Optical Fiber at OFC 2016

VPIlabExpert to Integrate with Anritsu MS2830A Spectrum/Signal Analyzer from Anritsu Company to Test RoF Systems

Anaheim, CA – March 22, 2016 – VPIphotonics (OFC booth #2913) and Anritsu Company (OFC booth #2813) announce the seamless integration of *VPIlabExpert*, a simulation platform providing advanced signal processing and analysis functions for the lab, with the *Anritsu MS2830A Spectrum/Signal Analyzer* to create a solution that addresses testing radio-over-fiber (RoF) systems targeted for the distribution of next-generation 5G services. This unique integrated solution will be demonstrated for the first time in the VPIphotonics booth at OFC, March 22-24 in Anaheim.

Potential 5G candidates such as OFDM and FBMC and their propagation over various fiber links will be emulated using *VPIlabExpert* at OFC. The software will deliver an emulation of impaired signals that will be passed to the *MS2830A* for

experimental investigation, including wireless propagation and hardware testing. The final radio signals will be captured by the *MS2830A* and returned to *VPIlabExpert* for EVM, BER and other performance analysis.

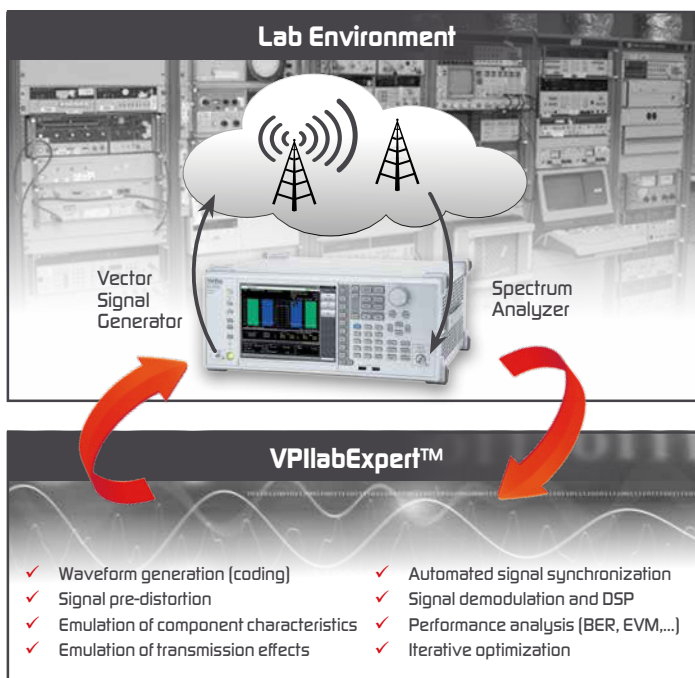
“RoF technology has been used for many years supporting a diversity of applications such as CATV distribution, sensing, and more recently for backhauling of high-speed wireless services such as 4G and Wi-Fi. RoF technology offers advantages such as low loss, large bandwidth, centralized active equipment, passive remote antenna, immunity to radio frequency interferences and multi-services operation that are of great interest for the deployment of 5G,”

said Hadrien Louchet, Product Manager Transmission Systems, VPIphotonics.

“5G systems will combine fiber optic and wireless technologies. As a leading provider of wireless and wireline test solutions, Anritsu is uniquely positioned to develop the test portfolio necessary to ensure the performance of next-generation communications. Our participation in the RoF demonstration with VPIphotonics at OFC 2016 highlights our leadership position and commitment to advancing technologies,”

said Larry Davis, 5G Business Development Manager, Anritsu Company.

The new solution shown at OFC combines seamlessly advanced signal processing and analysis functions with high-end test equipment. As shown in the demonstration, the Anritsu/VPIphotonics solution will increase productivity of engineers and scientists who are developing the various technologies that will transport next-generation 5G mobile services over optical fiber.



About VPIphotonics

VPIphotonics™ sets the industry standard for end-to-end photonic design automation comprising design, analysis and optimization of components, systems and networks. We provide professional simulation software supporting requirements of active/passive integrated photonics and fiber optics applications, optical transmission system and network applications, as well as cost-optimized equipment configuration. Our team of experts provides professional consulting services addressing customer-specific design, analysis and optimization requirements, and delivers training courses on adequate modeling techniques and advanced software capabilities.

VPIphotonics' award-winning off-the-shelf and customized solutions are used extensively in research and development, and by product design and marketing teams at hundreds of corporations worldwide. Over 160 academic institutions joined our University Program enabling students, educators and researchers an easy access to VPIphotonics' latest modeling and design innovations.

For further information, please visit us at www.VPIphotonics.com.

About Anritsu

Anritsu Company is the United States subsidiary of Anritsu Corporation, a global provider of innovative communications test and measurement solutions for 120 years. Anritsu's "2020 VISION" philosophy engages customers as true partners to help develop wireless, optical, microwave/RF, and digital solutions for R&D, manufacturing, installation, and maintenance applications, as well as multidimensional service assurance solutions for network monitoring and optimization. Anritsu also provides precision microwave/RF components, optical devices, and high-speed electrical

devices for communication products and systems. The company develops advanced solutions for 5G, M2M, IoT, as well as other emerging and legacy wireline and wireless communication markets. With offices throughout the world, Anritsu has approximately 4,000 employees in over 90 countries.

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