

## RADX Demonstrates LibertyGT SDSI 26.5 GHz Technology Insertion at IEEE IMS2015

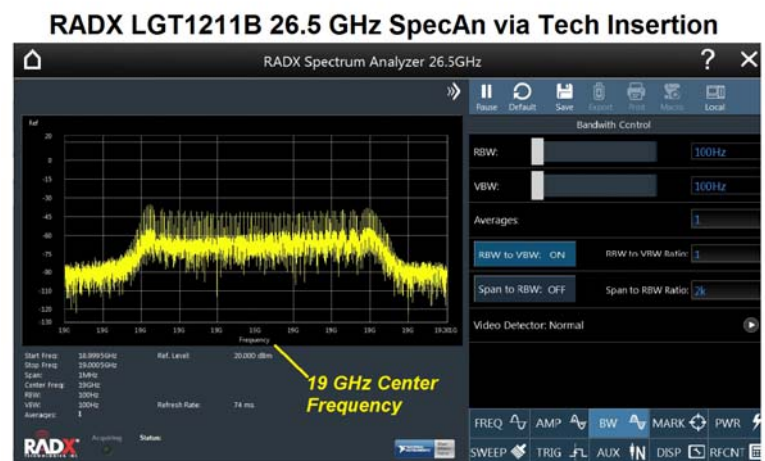
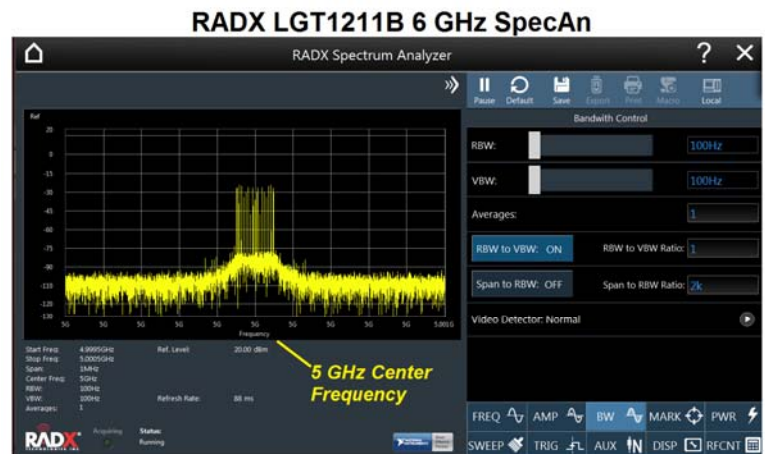
**RADX Demo at IEEE IMS2015 Booth 310 Illustrates Seamless Tech Insertion that Upgrades the LGT1211B SDSI from 6 GHz to 26.5 GHz with an NI PXIe-5668R VSA to Address High-Performance, High-Throughput Microwave Test and Measurement Applications without Changing User Applications**

PHOENIX, CA, May 19, 2015 -- RADX<sup>®</sup> Technologies, Inc. ("RADX") announced today that it will be demonstrating the technology insertion capabilities of the LibertyGT<sup>®</sup> family of Modular, COTS, Multifunction Software Defined Synthetic Instruments (SDSI<sup>®</sup>) at IEEE IMS2015 (Booth 310) by demonstrating the insertion of a National Instruments<sup>®</sup> PXIe-5668R 26.5 GHz Vector Signal Analyzer into a RADX LibertyGT 1211B (LGT1211B), effectively extending the system's upper measurement frequency range from 6 GHz to 26.5 GHz, with no impact on user developed Test Program Sets (TPS) or other user applications. This tech insertion demo, which exploits the LibertyGT's modular hardware and SDSI software architecture, illustrates how customers can seamlessly and selectively upgrade and update LibertyGT SDSIs to address evolving test system requirements or COTS hardware obsolescence issues by simply replacing one COTS module with another without affecting user software. No other integrated SDSI in the market today provides this level of plug-and-play tech insertion.

*"Seamless tech insertion like we are demonstrating at IEEE IMS2015 that extends the upper frequency range of the LGT1211B from 6 GHz to 26.5 GHz with a simple module swap and no impact to user software illustrates one of the important ways LibertyGT reduces RF & microwave test system life cycle costs,"* said Ross Q. Smith, RADX co-founder and CEO. *"With LibertyGT, because of its SDSI architecture, this one upgrade effectively upgrades ALL of the multiple instruments in the system, which represents a huge cost savings over having to upgrade a large number of boxed instruments. Plus with LibertyGT, user programs and TPS are not affected by the upgrade which also results in significant cost savings by avoiding user software modifications and requalification."*

### **About the LibertyGT 1211B**

Developed in collaboration with National Instruments and selected by Frost & Sullivan for a 2014 Global New Product Innovation Leadership of the Year Award, the LGT1211B is a COTS, Multifunction SDSI that is uniquely modular, programmable, upgradable, reconfigurable and cost-effective. Designed to replace multiple "boxed" RF and microwave test and measurement (T&M) instruments to dramatically reduce T&M Total Cost of Ownership (TCO) while simultaneously improving measurement throughput, the LGT1211B supports high-performance, high-throughput wireless communications, T&M applications with a stimulus and measurement frequency range between 100 kHz to 6 GHz.



**RADX LibertyGT SDSI Spectrum Analyzer Screenshots Showing 6 GHz and 26.5 GHz Frequency Ranges (via Tech Insertion)**

# RADX Demonstrates 26.5 GHz Tech Insertion in LibertyGT at IEEE IMS2015

File: RADX Demos 26.5 GHz Technology Insertion in LibertyGT SDSI at IEEE IMS2015 V1.3 19MAY15

The LGT1211B's modular architecture combines an extensive library of RADX COTS Realtime Measurement Science Firmware and Software (MSFS) with a powerful collection of COTS NI PXI modules and LabVIEW® system design software — all housed in a RADX patent-pending integrated, field-service-optimized benchtop PXIe enclosure equipped with a comprehensive RF Interface Unit (RFIU), Internal Connector Panel (ICP) and 1080p HD touchscreen display.

The LGT1211B features an open software architecture that is ideal for user and test system integrator programming since each instrument within the LGT1211B has a standard Application Programming Interface (API) which supports the ready integration of user TPSs, programs and scripts via the system's Python-based TPS Framework and other popular programming environments including LabVIEW, TestStand, C, C++, C#, and Java. The LibertyGT 1211B is available as a turnkey, integrated instrument or as a kit (including the LGT1211B MSFS, enclosure, RFIU, ICP and integration support) for customers who prefer to purchase the system's NI PXIe modules directly from National Instruments.



Bit Error Rate Tester



Power Meter



DSO



Spectrum Analyzer



Data Acquisition



Wave Form Generator



Vector Signal Generator



Radio Frequency Receiver



Multimeter



***One LibertyGT 1211B SDSI Replaces Multiple T&M "Box Instruments" to Significantly Reduce Total Cost of Ownership and SWaP (Size, Weight and Power) While Improving Measurement Throughput***

The LGT1310B prototype demonstrated at IEEE IMS2015 includes the NI PXIe-5668R 26.5 GHz VSA that extends the upper measurement frequency range of the system to 26.5 GHz, will be officially announced in the near future. The LGT1311B, which will include extended measurement and stimulus frequency ranges above 6 GHz, will also be announced in the near future.

For more information on the LibertyGT 1211B, please visit [www.radxtech.com/lgt1211b](http://www.radxtech.com/lgt1211b).

## **About RADX Technologies, Inc.**

RADX Technologies, Inc. is a DSP-focused technology start-up that provides a wide range of cost-effective, high-performance, COTS products, technologies, software, solutions and services to end-users, OEMs and system integrators at multiple levels of integration. As both a National Instruments Silver Alliance Partner with RF and Wireless Specialty Alliance Partner designation and a Xilinx Alliance Partner, RADX has a solid team of seasoned experts with decades of experience developing advanced FPGA, multi-core, and GPU-based DSP COTS solutions for consumer, commercial, aerospace, and defense applications in Software Defined Synthetic Instrumentation (SDSI), Software Defined Radio (SDR), Cognitive Radio (CR) and other high-performance communications-related applications. For more information on RADX or the LibertyGT SDSI Family, please visit [www.radxtech.com](http://www.radxtech.com) or email [info@radxtech.com](mailto:info@radxtech.com).

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