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## **National Instruments Releases Enhanced 6.6 GHz PXI Express RF Modular Instruments** *New RF List Mode and 300 Microsecond Tuning Time Significantly Improve Measurement Speed*

AUSTIN, Texas – Jan. 25, 2010 – National Instruments (Nasdaq: NATI) today introduced two new [PXI Express](#) RF modular instruments for automated wireless device test. The [NI PXIe-5663E 6.6 GHz vector signal analyzer \(VSA\)](#) and the [NI PXIe-5673E 6.6 GHz vector signal generator \(VSG\)](#) significantly improve automated test times for a wide range of devices that use the latest wireless standards including wireless local area network (WLAN), WiMAX and GSM/EDGE/WCDMA. The instruments' new RF list mode feature provides deterministic power and frequency sequencing functionality to help engineers make RF configuration changes more quickly during a test. Additionally, the new wide-loop bandwidth mode further improves measurement speed by reducing local oscillator settling times down to 300 microseconds or less.

“These new RF instruments illustrate our ongoing commitment to help test engineers save money by improving test times,” said Eric Starkloff, vice president of test product marketing at National Instruments. “The increased performance of our enhanced 6.6 GHz RF instruments directly addresses the need to perform automated RF tests faster than traditional solutions in high-volume production applications.”

Using RF list mode, engineers can configure the new NI 6.6 GHz PXI Express VSG and VSA to rapidly switch through a preprogrammed list of RF settings, including frequency and power level, at deterministic timing intervals. RF list mode also facilitates more accurate power measurements by helping engineers optimize the input reference level of the NI PXIe-5663E VSA.

In wide-loop bandwidth mode, the new VSG and VSA can settle to a center frequency significantly faster than many traditional RF instruments. They achieve typical tuning times of 300 and 400 microseconds for frequencies between 800 MHz and 1,950 MHz. With faster settling times, engineers can significantly reduce overall measurement time within automated RF test applications.

The enhanced NI 6.6 GHz PXI Express RF instrumentation suite is based on the NI software-defined test platform, which incorporates industry-standard PC technologies such as multicore processors and PCI Express instrument bus connectivity. The software-defined nature of the NI PXI RF modular instruments helps engineers use [NI LabVIEW](#) graphical system design software to define measurement algorithms for testing a variety of wireless devices at up to five to 10 times faster than traditional RF instrumentation.

For more information about the enhanced 6.6 GHz PXI modular instruments, readers can visit [www.ni.com/rf/platform](http://www.ni.com/rf/platform).

## About National Instruments

National Instruments ([www.ni.com](http://www.ni.com)) is transforming the way engineers and scientists design, prototype and deploy systems for measurement, automation and embedded applications. NI empowers customers with off-the-shelf software such as NI LabVIEW and modular cost-effective hardware, and sells to a broad base of more than 30,000 different companies worldwide, with no one customer representing more than 3 percent of revenue and no one industry representing more than 15 percent of revenue. Headquartered in Austin, Texas, NI has more than 5,000 employees and direct operations in more than 40 countries. For the past 11 years, FORTUNE magazine has named NI one of the 100 best companies to work for in America. Readers can obtain investment information from the company's investor relations department by calling (512) 683-5090, e-mailing [nati@ni.com](mailto:nati@ni.com) or visiting [www.ni.com/nati](http://www.ni.com/nati).

## Pricing and Contact Information

NI PXIe-5663E vector signal analyzer  
Priced\* from \$22,999; €21,099; ¥3,220,000  
NI PXIe-5673E vector signal generator  
Priced\* from \$23,999; €21,999; ¥3,360,000  
Web: [www.ni.com/rf/platform](http://www.ni.com/rf/platform)

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Tel: (800) 258-7022, Fax: (512) 683-9300  
E-mail: [info@ni.com](mailto:info@ni.com)

*\*All prices are subject to change without notice.*

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