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## NI Introduces Industry's Widest Bandwidth High-Performance Microwave Vector Signal Analyzer and Fast Switching Continuous Wave Signal Generator

New instruments address evolving requirements in applications such as semiconductor device test, radar testing, and signal intelligence



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NI (Nasdaq: NATI), the provider of solutions that enable engineers and scientists to solve the world's greatest engineering challenges, announced today the industry's widest bandwidth high-performance 26.5 GHz microwave vector signal analyzer (VSA) and a fast tuning 20 GHz continuous wave signal generator. The two new instruments complement the extensive NI [modular instruments](#) offering and expand the measurement capabilities of the [PXI](#) platform.

High-Performance vector signal analyzers deliver a combination of low noise floor, high linearity, and low phase noise. NI's new 26.5 GHz VSA combines these attributes with up to 765 MHz of instantaneous bandwidth. With the VSA's bandwidth, engineers can analyze some of the industry's widest bandwidth signals in a single acquisition including radar pulses, LTE-Advanced transmissions and 802.11ac waveforms. In addition, the VSA's fast measurement speed helps engineers decrease time to market and ultimately lower their cost of test. Finally, engineers can program the VSA's user-programmable FPGA with [LabVIEW](#) system design software to customize instrument behavior and address the most advanced RF test applications.



The new 20 GHz signal generator features an ideal combination of exceptional phase noise and fast tuning time (100  $\mu$ s). This instrument addresses applications including blocking/interference generation, high-performance intermodulation distortion test benches and various electronic warfare applications.

“The NI 20 GHz PXI source offers an excellent combination of phase noise and tuning time in a small form factor – a perfect combination for testing our next-generation radar systems,” said Lennart Berlin, senior specialist for microwave measurement techniques at Saab AB.

For more information about the new VSA and signal generator, visit [ni.com/microwave](http://ni.com/microwave).

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