



## NEWS RELEASE

For more information, contact:

Debra Seifert  
Debra Seifert Communications LLC  
(503) 626-7539  
[debra@debraseifert.com](mailto:debra@debraseifert.com)

James E. De Broeck  
Aeroflex Incorporated  
(316) 522-4981  
[jim.debroeck@aeroflex.com](mailto:jim.debroeck@aeroflex.com)

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### **Aeroflex Broadens Support for Low-cost, High-speed WLAN Manufacturing Test with New MIMO Capability**

<http://www.aeroflex.com/ats/products/prodfiles/news/03032010.pdf>

**Stevenage, UK—March 3, 2010—**Aeroflex today introduced support for MIMO (multiple-input/multiple-output) testing capabilities for its PXI 3000 Series manufacturing test system with the introduction of its new PXI 3061 module, a multiport RF combiner. The initial target application for the new module is WLAN IEEE 802.11n device testing.

Consequently, the WLAN Measurement Suite software (3030 RF digitizer software option 103) has been updated to take advantage of the MIMO capabilities offered by the 3061 RF combiner. This latest release of the WLAN Measurement Suite supports testing of WLAN devices implementing up to 2x2 MIMO communications. Support for 4x4 MIMO device testing is expected later this year.

“The flexibility of the PXI 3000 Series of RF modular instruments and application software enables WLAN and cellular testing with a single test system,” said Tim Carey, product manager, PXI 3000 Series. “Because the PXI 3000 Series is a flexible, software-based platform, Aeroflex can support WLAN and other complementary non-cellular technologies such as WiMAX and Bluetooth. Test engineers can use the same tried and tested platform that serves the cellular industry. PXI 3000 is a true one-box solution for all established and emerging technologies,” said Carey.

Aeroflex continues its long-term support for low-cost, high-speed WLAN manufacturing test. The addition of MIMO capability for testing of power, modulation, and spectrum parameters will aid RF engineers responsible for production test, quality assurance, and R&D. The use of MIMO techniques to help maximize data throughput is set to become standard practice for a wide variety of fixed and mobile data communications. The growing importance of MIMO translates directly to an increased need for test solutions.

### **WLAN Measurement Suite Performs Spectral Masks without Stitching**

The 3030 RF digitizer Option 103 WLAN Measurement Suite now supports IEEE 802.11n MCS 8 to 15 and MIMO test. Power modulation and spectrum measurement results for each transmit stream can be viewed independently using PXI Studio application software, as well as supporting composite measurement of EVM (error vector magnitude) for multiple antenna configurations.

The WLAN Measurement Suite is designed for use in conjunction with the new 3061 RF combiner/RF switch module, which provides three RF in/out interfaces to a single VSA/VGA (vector signal analyzer/vector generator analyzer) resource. During MIMO measurements the WLAN Measurement Suite sequences switch selection between each antenna automatically and at high speed. With instantaneous measurement bandwidths up to 90 MHz available, the PXI 3000 Series is equipped to perform WLAN spectral emission mask measurements in a single step. Not only does this single-step approach lead to faster measurement times, it eliminates the need for an external trigger to ensure synchronous measurement.

### **Price and availability**

WLAN test solutions from Aeroflex are configured from the wide variety of VSA and VSG modular instruments, RF conditioning, PXI chassis/controllers and software options. For pricing relevant to specific needs, contact Aeroflex Sales. WLAN test solutions are available to ship within 4 to 6 weeks. Software upgrades to existing systems are available immediately.

For more information, contact your local Aeroflex sales office by visiting or calling Aeroflex Sales at (800) 835-2352 or [info-test@aeroflex.com](mailto:info-test@aeroflex.com).

### **About Aeroflex**

Aeroflex Incorporated is a global provider of high technology solutions to the aerospace, defense, cellular and broadband communications markets. The Company's diverse technologies allow it to design, develop, manufacture and market a broad range of test, measurement and microelectronic products. Aeroflex Incorporated was founded in 1937 and today has more than 2,600 employees worldwide. Additional information concerning Aeroflex Incorporated can be found on the company's web site:

[www.aeroflex.com](http://www.aeroflex.com).

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