

**Anritsu Introduces In-Line Peak Power Sensor  
with Wide Measurement Range and Frequency Coverage**

*— MA24105A Combines Forward and Reverse Power Measurement Capability and Intuitive GUI to Meet Variety of Cellular, Land Mobile Radio and General Purpose RF Applications —*

**Morgan Hill, CA – November 28, 2011** – Anritsu Company introduces the MA24105A, a standalone, compact, and highly accurate in-line peak power sensor that provides a wide range of power measurement capability over a frequency range of 350 MHz to 4 GHz. Featuring a widest-in-class 2 mW to 150 W measurement range, and a combination of forward and reverse measurement functionality, the MA24105A can be used by both manufacturing and field engineers in a variety of commercial cellular, land mobile radio (LMR) and general-purpose military/defense RF applications.

Highly accurate average power measurements can be made with the MA24105A. The wide measurement range eliminates the need for lower power sensors, reducing setup and measurement times. Accuracy is assured because the calibration data is stored directly in the sensor and all necessary corrections are done inside the microprocessor of the sensor. Also, return loss and directivity are optimized to maintain high accuracy.

A “dual path” architecture in the MA24105A enables the widest-in-class measurement range for bi-directional True-RMS measurements over the entire frequency span, allowing users to measure CW, multi-tone and digitally modulated signals, including GSM/EDGE, CDMA/EV-DO, W-CDMA/HSPA+, WiMAX, TD-SCDMA, and LTE. Forward direction power measurement includes a 4-MHz bandwidth channel that has peak and comparator/integrator circuits that add functions, such as peak envelope power, crest factor, CCDF, and burst average power. The addition of reverse True-RMS power measurements enables the calculation of reflection coefficient, return-loss, and SWR. The presence of a micro-controller, along with signal conditioning circuitry, ADC, and power supply in the sensor, make the MA24105A a complete miniature power meter.

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Versatile, the MA24105A can be used in numerous applications. Its good match and low insertion loss make the sensor well suited for continuous power monitoring of transmitter systems and antennas. Additionally, the 350 MHz bottom end frequency makes the sensor perfect for testing P25 and TETRA networks.

The MA24105A is compatible with the S3xxE series Site Master™ cable and antenna analyzers, MS271xE and MS272xB Spectrum Master™ handheld spectrum analyzers, MT8212E Cell Master™, MT822xB BTS Master™, and MS202xA/B and MS203xA VNA Master™.

Operation can also be performed through a PC. When working via a computer, the PowerXpert™ application replicates a front panel display to make the computer appear like a power meter. Users can record measured power over time to a hard disc or other storage media via a data logging function. Other features include power vs. time graphs, and the ability to add an offset for quick and accurate measurements and analysis.

The MA24105A is priced at \$2,495. Delivery is 4 weeks ARO.

### **About Anritsu**

Anritsu Company ([www.anritsu.com](http://www.anritsu.com)) is the American subsidiary of Anritsu Corporation, a global provider of innovative communications test and measurement solutions for more than 110 years. Anritsu provides solutions for existing and next-generation wired and wireless communication systems and operators. Anritsu products include wireless, optical, microwave/RF, and digital instruments as well as operations support systems for R&D, manufacturing, installation, and maintenance. Anritsu also provides precision microwave/RF components, optical devices, and high-speed electrical devices for communication products and systems. With offices throughout the world, Anritsu sells in over 90 countries with approximately 4,000 employees.

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