



Discover What's Possible®

News Release

Anritsu Company Introduces Cutting-edge Pulse Measurement and True Mode Stimulus Capabilities with New VectorStar™ Series

— *New MS4640B, Featuring PulseView™ and DifferentialView™, Addresses Challenges Associated with Testing and Characterizing Radar and High-speed Serial Designs* —

Morgan Hill, CA – Dateline – Anritsu Company expands its VectorStar family of Vector Network Analyzers (VNAs) with the introduction of the MS4640B series. Featuring a number of new cutting-edge measurement capabilities, including PulseView, which provides pulse profile, point-in-pulse and pulse-to-pulse measurements of S-parameters, and DifferentialView for true mode stimulus S-parameter measurements, the MS4640B helps engineers address the challenges associated with testing and characterizing components and sub-systems designed for radar and today's high-speed serial applications.

PulseView enables design engineers and component manufacturers in the aerospace and defense industry to accurately test and characterize designs under pulse conditions. The industry-leading 2.5 ns resolution with 100 dB dynamic range, coupled with independent measurement gates, provides unparalleled clarity of results. It also enables users to see performance perturbations on the rising/trailing edges and within a pulse that have been previously missed by other systems. Industry-best capture time of 500 ms permits users to measure under long pulse repetition interval conditions or to conduct pulse-to-pulse measurements over an extended number of pulses.

An additional, required, IF digitizer option provides fast digitization for the PulseView application, as well as four internal pulse generators. The pulse generators can be used to modulate devices under test (DUT) or one of a series of associated Modulation Test Sets also available. These features are complemented by an innovative graphical interface that simplifies measurement setup and raises confidence that the user is measuring under the correct conditions.

(more)

Differential**View**, together with an optional internal second source, provides engineers developing differential amplifiers or signal integrity engineers working on high-speed serial designs with the ability to evaluate their designs under true mode stimulus conditions. An innovative GUI allows engineers to establish changes and see the results immediately without cumbersome swapping of screen displays. When Differential**View** is used with Anritsu's four-port test sets, users can make measurements of differential, common mode and mixed-mode S-parameters.

The [MS4640B](#) maintains all the inherent advantages of the [VectorStar platform](#). Vector**Star** features high-performance measurement capability down to frequencies as low as 70 kHz to achieve highly accurate S-parameter measurements necessary to accurately model devices in simulation applications. It achieves high-quality, low-frequency data that ensures good DC-term estimation and improves causality.

Vector**Star** VNAs are available in frequency ranges from 70 kHz to 20, 40, 50 and 70 GHz, and as broadband systems from 70 kHz to 125 GHz. Vector**Star** can also provide frequency coverage up to 750 GHz, with mm-wave modules from either Virginia Diodes, Inc. (VDI) or OML, Inc. depending on the specific frequency range required.

The [MS4640B family](#) has a delivery of 8 to 10 weeks.

About Anritsu

Anritsu Company (www.anritsu.com) is the United States 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.

To learn more visit www.anritsu.com.

For more information contact:

Katherine Van Diepen,
Director, Marketing Communications
Anritsu Company
408.778.2000 ext. 1550
katherine.vandiepen@anritsu.com

Patrick Brightman
Compass|SGW
973.263.5475
pbrightman@sgw.com