

## **Anritsu Introduces ShockLine™ VNA Solutions to Lower Test Costs Associated with Verifying E-band, Microwave Passive Component Performance**

— *New Frequency Options for MS46500B Series Bring Price/Performance Benefits to Help  
Overcome Cost Obstacles Facing E-band and Microwave Designs* —

**Morgan Hill, CA – November 24, 2015** – Anritsu Company introduces an E-band option for its ShockLine™ MS46500B series of 2- and 4-port performance Vector Network Analyzers (VNAs) that addresses the market need to lower cost-of-test for E-band components. With the option installed, the MS46500B series can reduce production costs and more efficiently verify the performance of high-frequency passive components, such as antennas, filters, and duplexers, during manufacturing.

In addition to the E-band frequency capability, Anritsu also introduces 20 GHz and 40 GHz options for the ShockLine MS46500B series. With these options, the MS46500B VNAs address the S-parameter and time-domain measurement requirements associated with microwave applications.

### **Cost-effective E-band Solution**

With the 55 GHz to 92 GHz E-band frequency option, the MS46500B delivers a combination of high performance and economy unprecedented in the E-band VNA market, making it a superior choice over higher-priced broadband systems in cost-sensitive applications. Available in both 2- and 4-port configurations, it extends the frequency coverage of the ShockLine VNA family and makes the MS46500B ideal for testing mm-wave passive components used in 5G small cell networks, driver assistance/collision avoidance radar, near- and far-field antenna, and personal communication applications.

### **Microwave Options**

The new 20 GHz and 40 GHz options add power control, LRL/LRM calibration and other capabilities previously unavailable in ShockLine microwave VNAs. The MS46500B, with the microwave options, is ideal for testing components used in network equipment, automotive, signal integrity, and system integration applications. The ShockLine MS46500B series is particularly well suited for integration into measurement systems, due to its typical dynamic range of 120 dB to 40 GHz, full remote programming capability and a small 3U rack-mountable package.

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The 2-port MS46522B and 4-port MS46524B VNAs use the same software, command syntax, drivers, and programming environments as the other ShockLine instruments. This powerful feature enables reuse of program code written for ShockLine family VNAs on the E-band and microwave instruments with little or no alteration.

ShockLine software also provides a powerful graphical user interface (GUI) for manual test environments. When attached to a user-supplied touchscreen monitor, the full-featured GUI provides comprehensive capabilities, including network extraction, embedding/de-embedding networks, and time domain with gating. Developing and troubleshooting test programs is made easier with advanced marker functionality, limit lines, and other features of the software.

The ShockLine MS46500B VNA series has best-in-class dynamic range of 140 dB at 2 GHz and typically >120 dB up to 40 GHz, as well as fast sweep times and industry-best maximum output power, all at an economical price. It is one of five ShockLine series that feature 1-, 2-, or 4-port models in multiple form factors. All ShockLine VNAs are designed with LAN or USB interfaces to fit any testing environment and can economically test passive devices in cost-sensitive manufacturing, engineering, and education applications.

### **About Anritsu**

Anritsu Company is the United States subsidiary of Anritsu Corporation, a global provider of innovative communications test and measurement solutions for 120 years. Anritsu's "2020 VISION" philosophy engages customers as true partners to help develop wireless, optical, microwave/RF, and digital instruments, as well as operation support systems for R&D, manufacturing, installation, and maintenance applications. Anritsu also provides precision microwave/RF components, optical devices, and high-speed electrical devices for communication products and systems. The company develops advanced solutions for 5G, M2M, IoT, as well as other emerging and legacy wireline and wireless communication markets. With offices throughout the world, Anritsu has approximately 4,000 employees in over 90 countries.

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