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News Release

Client Contact:

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

Agency Contact:

Patrick Brightman
SGW
973.263.5475
pbrightman@sgw.com

Anritsu Introduces Advanced Ultra-portable Handheld VNAs That Feature Unparalleled Performance

*— VNA Master™ Conducts Highly Accurate Vector Corrected 1-port and 1-path 2-port
Measurements Over Wide 2 MHz to 6 GHz Frequency Range —*

Morgan Hill, CA (October 2005) — Anritsu Company introduces the VNA Master MS2024A and MS2026A, the first portable handheld Vector Network Analyzers (VNAs) that can make vector corrected 1-port and 1-path 2-port measurements from 2 MHz to 6 GHz. Combining Anritsu's technical leadership in both handheld test solutions and VNAs, the MS2024A/MS2026A provide wireless professionals with the performance and analysis tools necessary to successfully deploy, verify, and troubleshoot today's military and commercial wireless networks.

Building upon Anritsu's industry leading handheld platforms and innovative designs, the MS2024A/MS2026A create significant time savings for engineers who conduct both frequency and Distance-To-Fault (DTF) measurements. They also ensure highly accurate measurements, as the MS2024A/MS2026A's RF immunity rejection of up to +17 dBm allows for precise measurements – even in RF rich environments.

VNA Master's light weight (6.4 lbs.) and three-plus hour battery life provide users with the flexibility to make VNA measurements anywhere. Their measurement capability, features, and overall performance make the MS2024A/MS2026A well suited for numerous markets, including military/defense, commercial wireless, and general purpose.

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Military/defense

VNA Master's ability to conduct FDR (frequency domain reflectometry)-based cable and antenna measurements down to 2 MHz make the MS2024A/MS2026A well suited to verify system performance, and locate degradations and faults in military/defense systems. The VNAs' ability to conduct a variety of measurements, such as 1-port cable antenna measurements, 2-port gain/isolation measurements of amplifiers, and phase measurements for phase matching applications, are critical for military applications.

The MS2024A/MS2026A also have the portability, accuracy, and speed required for today's military applications. The VNA Master is approximately 7x lighter than conventional VNAs, making it much easier to carry in the field or on a ship, and has a sweep speed of 2 ms/data point.

Commercial Wireless

Field technicians working in commercial wireless will also find the VNA Master's light weight, portability, accuracy, speed, and long battery life advantageous. VNA Master's return loss, DTF, and gain measurements help ensure the proper installation maintenance, and troubleshooting of complex cell sites that use amplifiers, diplexers, and duplexers.

VNA Master MS2024A/MS2026A features selectable output power at 0 dBm and -35 dBm and an optional variable +12 to +24V bias tee eliminating the need for external supplies and attenuators when making 2-port Gain measurements of Tower Mounted Amplifiers. The new DSP processors improve sweep time for both Return Loss and DTF measurements. The MS2024A/MS2026A can measure both 1-port and 2-port phase, and the trace math menu can be used to compare the phase of two cables. Using Anritsu's precision calibration components, 42 dB corrected directivity can be achieved over the entire frequency range.

Recognizing the need for simplicity in commercial wireless applications, Anritsu has designed the MS2024A/MS2026A with user-friendly interfaces and user intuitive menu structures. Additionally, they have been also designed to minimize keystrokes for key measurements and often-used features.

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General Purpose

The MS2024A/MS2026A also are cost-effective alternatives to benchtop VNAs for general purpose applications in which passive S11 and S21 measurements must be made. Their 1-port accuracy is competitive to benchtop VNAs. The VNA Master's dynamic range of 80 dB up to 3 GHz, 70 dB between 3 and 5.5 GHz, and 65 dB between 5.5 and 6 GHz is also suitable for many manufacturing environments.

Regardless of the application, the MS2024A/MS2026A provide other advantages to users. The VNA Master features a high-resolution daylight-viewable TFT display that allows measurement results to be seen easily in the field. An internal memory allows more than 1000 traces and setups to be stored. Measurement data can be transferred to computer via Ethernet, USB, or memory card.

The user menu is application specific (field or VNA) and an intuitive user interface reduces overall training time. Further simplifying operation is the PC-based Master Software Tools Suite for trace analysis, editing, and reporting. The Master Software Tools Suite allows users to create menus in two custom languages to complement the eight standard languages provided in the MS2024A/MS2026A.

Delivery is 10 weeks ARO for the first 3 months after introduction, and 3-4 weeks thereafter.

About Anritsu

Anritsu Company is the American subsidiary of Anritsu Corporation, a global provider of innovative communications solutions for more than 100 years. With offices throughout the United States, as well as in Canada, Central America, and South America, Anritsu Company provides solutions for existing and next-generation wired and wireless communication systems. Its measurement solutions include optical, microwave/RF, wireless and digital instruments that can be used during R&D, manufacturing, installation, and maintenance. Anritsu Company also provides precision microwave/RF components, optical devices, and high-speed devices for design into communication products and systems.

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