**/Inritsu**

**Discover What's Possible®**

# 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 Handheld Vector Network Analyzer
## with Spectrum Analysis Capabilities

*—Rugged, Multi-function, Battery-operated VNA Master™ MS2034A/MS2036A
Conduct Spectrum Analysis, and Cable and Antenna Measurements in the Field —*

**Morgan Hill, CA (September 2006)** — Anritsu Company introduces the VNA Master MS2034A and MS2036A that offer integrated vector network analyzer (VNA), spectrum analyzer, and power meter capability in a single handheld, battery-operated, rugged instrument. The multi-function capability of the MS2034A/MS2036A allow them to serve as single-instrument solutions for phase matching cables, identifying sources of interference, and troubleshooting transmitters in a variety of aerospace, defense and general purpose systems.

The VNA Master series offers the first portable handheld VNAs that can display 1-port and 2-port S-parameter measurements over the industry's broadest handheld VNA frequency coverage of 2 MHz to 6 GHz. All critical RF measurements, including S11 and S21 log magnitude, return loss, VSWR, and Distance-To-Fault (DTF), can be made with a single key selection, simplifying flightline tests, and cable and antenna maintenance. The MS2034A/MS2036A's RF immunity rejection of up to +17 dBm allows for precise measurements – even when co-location near other transmitters usually prevents measurements due to interference.

For phase matching cables and other field maintenance tasks, the VNA Master offers a vector voltmeter option that displays results in a digital magnitude and phase format for a CW frequency. With vector voltmeters becoming obsolete, the VNA Master offers a suitable replacement that consolidates a synthesizer source, vector voltmeter receiver, and external coupling accessories. This innovative solution ensures technicians and engineers can continue to utilize this familiar display while working with the more field-friendly VNA Master.

Incorporating spectrum analysis capability up to 7.1 GHz into the VNA Master dramatically simplifies field testing by requiring fewer instruments for maintenance activities, which is especially valuable when conducting measurements on an elevated structure, such as a tower. Users can perform common spectrum monitoring, interference analysis, and general purpose signal measurements with a single key selection, a much safer and simpler alternative to previous multiple-instrument approaches.

The MS2034A/MS2036A typical phase noise of <-110 dBc/Hz at 10 kHz offset reveals the slightest spectral purity degradations in transmitters. Typical dynamic range of 100 dB allows the MS2034A/MS2036A to also accurately measure very small signals, even when much larger signals are present. The wide dynamic range also allows for measurements using wider resolution bandwidths, which increases the chance of detecting intermittent signals and other sources of interference that would otherwise be impossible to troubleshoot.

MS2034A/MS2036A light weight (4 kg), three-plus hour battery life, and advanced measurement and analysis capability make it well suited for a variety of field applications. They can be used to ensure the performance of defense electronics used on naval ships, test antennas on Army vehicles, and to perform flightline tests on military and commercial jets. The high performance also allows the MS2034A/MS2036A to be used as a low-cost alternative in manufacturing and R&D.

The VNA Master features a high-resolution daylight-viewable 8.4" 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. Remote programming of repetitive tasks is also possible via the Ethernet connection.

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 MS2034A/MS2036A.

The MS2034A starts at $16,950 U.S. dollars while the MS2036A starts at $21,950 U.S. dollars. Delivery is 8 weeks ARO for the first 3 months after introduction, and 3-4 weeks thereafter.

**About Anritsu**

Anritsu Company (www.us.anritsu.com) is the American subsidiary of Anritsu Corporation, a global provider of innovative communications test and measurement solutions for more than 110 years. With its acquisition of NetTest (www.nettest.com), 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.

####