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News Release

Anritsu Company Demonstrating Patent-Pending Passive Intermodulation Measurement Technology at CTIA 2011

— New Test Capability Allows Field Users to Locate PIM Source, Whether It's from the Antenna System or Surrounding Environment—

Orlando, FL – March 22, 2011 – Anritsu Company is displaying and demonstrating its patent-pending Distance-to-PIM™ (PIM) measurements in its booth (#2234) at CTIA 2011 in Orlando, FL, March 22-24. An option that will be available on Anritsu's new MW8219A PIM Master™, DTP pinpoints PIM faults, whether the source is coming from the antenna system or surrounding environment. It addresses a growing problem caused by expanded data services, growing use of mobile video, and other applications that are creating tremendous bandwidth strain on wireless networks.

The demonstration will highlight the simplicity, immediacy, and accuracy of DTP. It will also show how DTP informs users of the distance and relative magnitude of all the PIM sources simultaneously. DTP is similar to Distance-to-Fault (DTF), which Anritsu introduced in its Site Master™ in 1997, displaying distance versus impedance changes. DTP utilizes algorithms much like DTF to show distance versus the magnitude of non-linear faults.

"DTP shows the location for PIM problems within the antenna system, as well as distance to external PIM sources outside the antenna system. This is an incredible step forward in improving the quality of information received from the on-site PIM test," said Nick Cannon, Product Manager of Field Solutions Business Unit, Anritsu Company.

The DTP test offers far more insight than traditional PIM testing. Acquired information can expedite repairs, control repair costs, and help plan budgets accurately. Comparison of PIM values over time can show if a device is deteriorating with age. This permits fault correction before a failure causes dropped or blocked calls.

(more)

PIM Master will offer DTP as an option. PIM Master has been designed to work with Anritsu's S332E/S362E Site Master™, MS2712E/MS2713E Spectrum Master™, and MT8212E/MT8213E Cell Master™ handheld analyzers, as well as the MT8221B/MT8222A/MT8222B BTS Master™ handheld analyzers. Field personnel can use the PIM Master to generate two high-power tones in the transmit band of a base station, and use any of the handheld analyzers to measure the 3rd, 5th, or 7th order intermodulation products in the receive band that travel down the same cable. Using the GPS option available on all the analyzers, the location of the measurement can be recorded as well.

Another key feature of the MW8219A is its 40 W testing, compared to alternative methods that only measure at 20 W. Using double the power allows PIM Master to locate intermittent failures due to light corrosion, high-traffic loading, or changing weather conditions. It also permits users to find faults in a multicarrier antenna system or discover microscopic arcing in connectors.

About Anritsu

Anritsu Company (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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Client Contact:
Katherine Van Diepen
Director, Marketing Communications
Anritsu Company
408.778.2000 ext. 1550
Katherine.VanDiepen@Anritsu.com

Agency Contact:
Patrick Brightman
Compass|SGW
973.263.5475
pbrightman@sgw.com