

### **Wi-Fi Alliance® Validates Anritsu MT8860C WLAN Test Set for Wi-Fi® CWG Certification Testing**

**Morgan Hill, CA – For Immediate Release** – Anritsu Company today announces that its MT8860C WLAN Test Set is now validated as part of the overall test system for Wi-Fi CWG (Converged Wireless Group) Certification Testing. The decision taken by the Wi-Fi Alliance means that the MT8860C can be used by any top-tier independent laboratory that has been authorized by the CTIA and Wi-Fi Alliance to perform RF performance evaluation of Wi-Fi Mobile Converged Devices. The testing, which is mandatory for any Wi-Fi mobile converged device for the North American market, provides network operators and handset vendors with a consistent method of evaluating and comparing the RF performance of devices that incorporate both Wi-Fi and cellular technologies.

Testing is performed according to the “Test Plan for RF Performance Evaluation of Wi-Fi® Mobile Converged Devices,” as a new firmware version (11.2) has been released for the MT8860C that supports the test methodology defined. The test plan includes a comprehensive set of over-the-air (OTA) measurements that are taken in a 360° environment to create “real-world” conditions. Total Radiated Power (TRP) measurements provide information about the reach of the Wi-Fi signal sent by a converged device, while Total Isotropic Sensitivity (TIS) measurements indicate how well a converged device is able to detect an incoming Wi-Fi signal.

OTA measurements require specialized test systems. As part of the MT8860C validation process, a joint development program was established between Anritsu and ETS-Lindgren. As part of the program, ETS-Lindgren developed a new MT8860C instrument driver for use with its EMQuest™ EMQ-100 Data Acquisition and Analysis Software. This software not only controls the measurement equipment (MT8860C), but is capable of positioning the antenna relative to the converged device under test and post processing the measurement data to produce the required 2-D and 3-D antenna patterns.

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Validation was achieved after the MT8860C had successfully passed a set of acceptance tests defined by the Wi-Fi Alliance. Based on these tests, the Wi-Fi Alliance concluded that the MT8860C performance is within the required measurement uncertainty for conducted Tx, Rx, and OTA TRP, TIS tests. In addition, the Wi-Fi Alliance was able to confirm that the linearity of the MT8860C is well behaved across all the UNII bands and provides consistent measurement results for 802.11a converged devices.

#### **About the Wi-Fi Alliance**

The Wi-Fi Alliance is a global, non-profit industry association of hundreds of leading companies devoted to the proliferation of Wi-Fi technology across devices and market segments. With technology development, market building and regulatory programs, the Wi-Fi Alliance has enabled widespread adoption of Wi-Fi worldwide. The Wi-Fi CERTIFIED™ program was launched in March 2000. It provides a widely recognized designation of interoperability and quality, and it helps to ensure that Wi-Fi enabled products deliver the best user experience. The Wi-Fi Alliance has completed more than 7,000 product certifications to date encouraging the expanded use of Wi-Fi products and services in new and established markets.

For more information, visit <http://www.wi-fi.org>

#### **About ETS-Lindgren**

ETS-Lindgren is regarded as an industry expert for over-the-air (OTA) radiated performance testing and created the first test system to be approved by the CTIA for OTA testing. Their AMS-8000 series of Antenna Measurement Systems provide turnkey solutions for making automated antenna measurements on devices with embedded wireless functionality and it is estimated that at least 75% of the OTA radiated performance test systems used around the world by authorized test labs have been provided by ETS-Lindgren.

For more information, visit <http://www.ets-lindgren.com>

#### **About Anritsu**

Anritsu Company ([www.us.anritsu.com](http://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. 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.

For more information, visit <http://www.us.anritsu.com>.

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