

Anritsu Company Introduces Isotropic Antennas to Expand EMF Measurement System Capability

— Compatible with Industry Leading Handheld Analyzers, New Antennas Support EMF Radiation Measurements to Ensure Government Regulatory Compliance —

Morgan Hill, CA – November 3, 2015 – Anritsu Company expands its Electromagnetic Field (EMF) Measurement System with the introduction of isotropic antennas that provide frequency coverage from 9 kHz to 6 GHz. Compatible with certain LMR Master™, Spectrum Master™, and Cell Master™ handheld analyzers, the new antennas support measurements of EMF radiation to ensure wireless networks are in compliance with various national standards for personal safety established by government regulatory authorities.

The two isotropic antennas employ tri-axis sensors with an integrated RF switch device, microcontroller and memory. Each of the three sensors is positioned orthogonally inside the antenna housing to transmit/receive a spherical radiation pattern so all radiation is measured at the antenna's geographical position, regardless of the direction in which it arrives.

Operation is simple and straightforward, as the RF switch, microcontroller, and memory inside the antenna are controlled by firmware in the Anritsu handheld analyzer via a USB cable. Once all three probes are switched precisely by the microcontroller, a composite RMS calculation is made.

Anritsu also offers a third isotropic antenna with frequency coverage of 0.7 GHz to 6 GHz. It is designed for operators who must conduct measurements in the cellular band.

The EMF Measurement System is easy to use, as numerous automated features enable field technicians to do their job quickly and more efficiently. Integrating the antennas and EMF option into a compatible LMR Master, Spectrum Master, or Cell Master allows users to make radiation power measurements in spectrum analyzer mode. Narrowband or wideband field strength measurements can be made across the frequency range of the spectrum analyzer and isotropic antenna being used. Additionally, EMF testing can be conducted on demodulated signals in various cellular channels, including LTE, TD-LTE, and W-CDMA standards.

(more)

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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