

Anritsu Company Adds TETRA Analysis and Coverage Mapping to Industry-leading LMR Master™

*— S412E Handheld Analyzer Allows Field Engineers, Technicians to Diagnose and
Troubleshoot TETRA Networks Quickly and Easily —*

Morgan Hill, CA – March 18, 2014 – Anritsu Company introduces TETRA analyzer and TETRA coverage mapping options to its industry-leading LMR Master™ S412E handheld analyzer. Combining the LMR Master’s best-in-class performance and compact durable design with the new TETRA measuring and analysis tools makes the handheld analyzer the most comprehensive test solution for deploying, installing, and maintaining public safety, transportation, utility and critical communication networks, including those utilizing the TETRA technology.

Equipped with the new options, the LMR Master S412E can be used by field technicians and engineers for over-the-air and coverage analysis of TETRA networks. For advanced field analysis, the TETRA analyzer includes a special TETRA Summary display so users can view key data, such as base and mobile color codes, mobile network code, location area code, and mobile station maximum transmit power level. This new capability, coupled with the industry-leading receiver technology of the LMR Master S412E, allows users to quickly, easily and accurately diagnose and troubleshoot system performance of TETRA networks using over-the air analysis without preamplifiers.

In addition to new capabilities for TETRA networks, Anritsu has updated and enhanced the LMR Master Options 721 and 722 to match technical and lexical changes in the ITC-R Positive Train Control (PTC) standard. Among the updates are the alignment of symbol rates to “Half Rate” and “Full Rate,” and support for new “burst/packet” air interfaces in the ITC-R standard, including updated signal generator patterns.

Further extending the capabilities of the LMR Master S412E, Anritsu has added support for the MA2700A InterferenceHunter™ Handheld Direction Finding System. Equipped with a built-in electronic compass, GPS receiver, and Preamplifier, the MA2700A can be attached to a wide variety of directional antennas.

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The TETRA options expand the already-comprehensive measurement capabilities of the LMR Master S412E, which combines all of the tools required to install, maintain, and certify analog and digital Land Mobile Radio (LMR) and Professional Mobile Radio (PMR) networks in the shop or field. All LMR Master S412E analyzers come with a 42 dB directivity/100 dB transmission dynamic range VNA-based cable and antenna analyzer, ultra-low noise spectrum analyzer, signal generator, internal power meter, and analog FM analysis and coverage mapping.

Users can extend the value of their LMR Master S412E investment by adding options, such as interference analyzer, external power sensors (inline and terminating), distance-to-fault (DTF), and vector voltmeter. Signal analyzer/generator options are available for APCO P25 (Phase 1 FDMA and Phase 2 TDMA), NXDN™, MotoTRBO™/DMR, and TETRA. The LMR Master S412E also offers analysis of LTE and WiMAX (IEEE 802.16 fixed and mobile) for mobile broadband networks. When equipped with the optional internal GPS, coverage analysis for all signal analyzers is available. All this testing capability is designed into a rugged, portable, handheld, battery-operated touchscreen package.

[The LMR Master S412E with TETRA analyzer](#) and TETRA coverage mapping options is available in 4 to 6 weeks.

About Anritsu

Anritsu Company (www.anritsu.com) is the United States 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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