

Anritsu Introduces Industry-first PIM Over CPRI Capability for BTS Master™ Handheld Base Station Analyzers

— New Software Allows PIM Measurements to be Conducted on the Ground, Creating Significant Time and Cost Savings When Installing and Maintaining Base Stations —

Morgan Hill, CA – July 24, 2018 – Anritsu Company introduces PIM over CPRI software for its BTS Master™ [MT8220T](#) and MT822xB handheld base station analyzers that allow passive intermodulation (PIM) measurements to be made from the ground for the first time. By eliminating the need for network operator installation and maintenance crews and contractors to climb the tower to test for PIM, the new BTS Master-based solution is a much more cost- and time-efficient tool for ensuring optimal operation of wireless networks.

PIM over CPRI is a unique and patented PIM measurement technique that uses live traffic, unlike traditional RF PIM measurements that require a site be turned down for tests to be conducted. All that is required for PIM over CPRI to be performed are two Small Form-factor Pluggable (SFP) transceivers and an optical tap. Another benefit is that no component in the transmission line needs to be disconnected, eliminating the possibility of PIM being introduced into the system due to elements such as metal shavings or improperly torqued connectors.

If the BTS Master with PIM over CPRI capability detects PIM at the ground level, the network operator can dispatch a tower crew to perform a traditional RF PIM measurement using the Anritsu [PIM Master™ MW82119B](#) battery-operated, high power, portable passive intermodulation analyzer. For rooftop base stations where PIM is detected, the Anritsu [PIM Hunter™ test probe](#) can be used. If the system is PIM-free, the network operator can conduct other tests to locate issues affecting the site, such as interference.

The BTS Master handheld base station analyzers combine 30 analyzers into one to meet virtually every measurement need at a base station. It includes 20 MHz bandwidth modulation for high-quality testing; a vector signal generator with frequency coverage of 400 MHz to 6 GHz for comprehensive DAS and receiver testing, and sweep modes for reliable interference hunting and analysis. A convenient touch screen GUI allows measurements to be performed quickly and easily, even in bright sunlight.

(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 solutions for R&D, manufacturing, installation, and maintenance applications, as well as multidimensional service assurance solutions for network monitoring and optimization. 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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