

World's First Frequency Selectable RF Power Sensor Introduced by Anritsu Company

- *Ultraportable Power Master MA24507A mmWave Power Analyzer Provides Frequency Coverage up to 70 GHz with High Dynamic Range -*

Morgan Hill, CA – September 20, 2016 – Anritsu Company introduces the Power Master MA24507A, an ultraportable, millimeter wave (mmWave) power analyzer that enables simple, numeric, frequency based measurement of RF power from 9 kHz to 70 GHz. The world's first frequency selectable RF power analyzer, the Power Master MA24507A leverages Anritsu's patented Shockline technology, along with its leadership in ultraportable test solution design to address the growing number of test requirements in mmWave applications, including test of 802.11ad, Wireless HD, and E-band products, at every stage of the product lifecycle.

As signal frequency increases, attenuation due to the air or cabling grows, which can make power measurements particularly difficult at mmWave frequencies. The Power Master MA24507A's ultraportable size overcomes this challenge by enabling users to place it directly at the signal source, including on-wafer measurements. When system losses are unavoidable, the MA24507A can make measurements as low as -90 dBm at 70 GHz, making it a superior alternative to large benchtop instruments, which can be unwieldy in the field. USB-powered, the Power Master MA24507A measures approximately 6×3×1 (inches) and weighs less than 15 oz. – slightly bigger than a smartphone. It is so small and light weight that it can easily be used to make measurements on antenna towers or with an extension pole to measure small cell signals from the ground.

Because the Power Master MA24507A enables frequency selective power measurements, users can differentiate intended signals from unintended signals for the first time. With spans from 1 kHz to full span over the entire frequency range, the Power Master MA24507A can zero in on a signal of interest in harsh environments, including those with unintended signals that can impact power readings. This enables measurements such as channel power and adjacent channel power to be made, while avoiding spurs and harmonics.

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Unlike many other power measurement instruments, no reference calibration is required. The power analyzer can stay connected to a test system constantly, eliminating the need to disconnect and reconnect it between test procedures. When the accuracy of a traditional power meter is not necessary, unintended signals may be present, or low-level power measurements are required, the Power Master MA24507A is the ideal instrument.

Anritsu has added features to PowerXpert™ to optimize the performance of the Power Master MA24507A. Included in the enhancements are a Power Hunter mode to easily identify the six highest CW amplitudes and their corresponding frequency, and a Channel Monitor mode so users can select up to six frequency channels and monitor their CW amplitude or channel power simultaneously. Power Master MA24507A can be controlled by remotely via the USB interface or through Anritsu's PowerXpert™ data analysis and control software.

The Power Master MA24507A mmWave power analyzer is the second instrument in the new class of ultraportable instruments from Anritsu, succeeding the Site Master™ S331P ultraportable cable and antenna analyzer introduced earlier this month. "We are extremely excited to launch this disruptive design to the industry. The ultraportable product category allows our customers to reach new heights in portability, performance, and measurement accuracy," commented Mark Elo, Anritsu's Director of Product Marketing for the Service Infrastructure Solutions Division. Unlike anything on the market, Power Master enables simple, numeric, frequency-based measurement of RF power from 9 kHz to 70 GHz in a pocket sized instrument to as low as -90 dBm.

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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