

Anritsu Company Introduces Multi-functional Spectrum Analyzer that Combines Nine Instruments in a Single Package

— *Field Master™ MS2080A Brings Unprecedented Performance and Measurement Capability
to Interference Hunting and 5G/LTE Network Verification Applications* —

Morgan Hill, CA – October 25, 2022 – Anritsu Company introduces the Field Master™ MS2080A, a multi-functional spectrum analyzer that combines nine instruments into a single solution for time and cost efficiencies in the most demanding field environments. Covering 9 kHz to 4 GHz, the MS2080A has unprecedented performance and features for a compact and portable spectrum analyzer, bringing distinct benefits to interference hunting and 5G/LTE base station installation and maintenance (I&M) applications.

The MS2080A combines fast sweep speed of 45 GHz/s, advanced user features such as AM/FM audio demodulation, and best-in-class RF performance, including +/- 1 dB amplitude accuracy. Additionally, it supports a cable and antenna analyzer, power meter, and 5G/LTE analysis to make it an ideal general-purpose instrument that addresses measurement requirements for legacy and emerging wireless networks.

An optional real time spectrum analyzer (RTSA) that provides real-time spectrum analysis with 2 μ s probability of intercept (POI) is available. The RTSA has up to 40 MHz analysis bandwidth and DANL of <-150 dBm, making it well-suited for capturing intermittent and digitally modulated signals that can be hard to identify. Spectrograms allow irregular and drifting signals to be captured, recorded, and displayed.

The MS2080A supports a full range of measurements for 5G frequency range 1 (FR1) radios to 4 GHz, including C-band, to support I&M of 5G New Radio (NR) and LTE base stations. Gated sweep analysis for transmitter quality measurements to accurately verify FR1 carriers with 100 MHz bandwidth is provided. The MS2080A offers full-channel, power-based, and 5G/LTE modulation quality measurement-based coverage mapping for accurate Over-the-Air (OTA) testing.

Designed for Rugged Field Use

The MS2080A is a highly durable analyzer that performs in the most challenging environments. It is the only instrument in its class to provide 5 watts of continuous RF input overload protection, preventing costly damage to the instrument's front-end when used close to high power transmitters or in high signal level environment.

A large 10-inch 1280 x 800 resolution display meets the demanding IK08 specification for direct knocks and drops. Common functions are always accessible from the MS2080A display, and side menus collapse to maximize graphical results.

A soft case provides IP52 environmental protection to safeguard the instrument during transport or rain. Weighing less than 4 kg, the MS2080A is small, compact, and easy to carry.

About Anritsu

Anritsu is a provider of innovative communications test and measurement solutions. Anritsu 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 emerging and legacy wireline and wireless technologies used in commercial, private, military/aerospace, government, and other markets.

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