

## **Anritsu Introduces Field Master Pro™ MS2090A Handheld Spectrum Analyzer With Performance that Redefines Field Spectrum Analysis**

*— Delivers Highest Continuous Frequency Coverage up to 54 GHz and Real-time Spectrum Analysis Bandwidth up to 100 MHz to Address Current and Emerging Applications —*

**Morgan Hill, CA – February 26, 2019** – Anritsu Company once again revolutionizes the wireless field test solution market with the introduction of the Field Master Pro MS2090A RF handheld spectrum analyzer. With the highest continuous frequency coverage up to 54 GHz, real-time spectrum analysis bandwidth up to 100 MHz, and a ruggedized design to withstand the demands of field test, the Field Master Pro MS2090A is ideal for a range of current and emerging field applications, including 5G, broadcast, regulatory compliance, aerospace/defense, satellite systems, and radar.

Seven models are available with frequency coverage of 9 kHz to 9/14/20/26.5/32/44 and 54 GHz. The family features best-in-class performance, such as Displayed Average Noise Level (DANL) of <-160 dBm and Third Order Intercept (TOI) of typically +20 dBm, for more accurate spectrum clearing, radio alignment, and harmonic and distortion measurements. The 100 MHz modulation bandwidth, along with best-in-class phase noise of typically -110 dBc/Hz @ 100 kHz offset, permit highly accurate modulation measurements on digital systems to be made. A ±0.5 dB (typical) amplitude accuracy ensures highly confident measurements of transmitter power and spurious.

### **Cellular Networks**

A perfect test tool for the rollout of 5G New Radio (5G NR), the Field Master Pro MS2090A supports 5G NR demodulation, including cell ID, beam ID, RSRP/RSRQ, SINR, and EVM in all 5G bands (sub-6 GHz [3.5 GHz] and millimeter-wave [28 GHz and 39 GHz]). It can also be used to conduct compliance testing, including EIRP, spectral emission mask, and time offset, as well as harmonic and spurious testing. Real-time spectrum analysis spans up to 100 MHz are possible for accurate interference monitoring in the cellular bands or full ISM band.

(more)

## **Interference Hunting and Coverage Mapping**

The Field Master Pro MS2090A's 100 MHz bandwidth allows for real-time spectrum analysis, while its low noise floor complemented by a Spectrogram display make it easy for field technicians and engineers to conduct RF spectrum monitoring and locate intermittent or interfering signals. As many as six traces can be individually configured to display clear/write, max or min hold, average, and more. It can be integrated with the NEON® MA8100A Signal Mapper to create a 3D in-building or wide area outdoor coverage mapping solution, as well.

## **General Purpose**

The high performance of the Field Master Pro MS2090A makes it well suited for general spectrum analysis applications. Integrated Channel Power and Occupied Bandwidth (OBW) measurements simplify the characterization of common radio transmissions. A built-in Adjacent Channel Power measurement simplifies the measurement of out-of-band transmitter emissions as required to speed conformance testing.

## **Built for Simplicity, Field Use**

Anritsu leverages its field instrument leadership to design a durable housing that's ready for the rigors of testing outside the lab. A rubber over-mold protects connectors from drops, and a large 10-inch color touchscreen exceeds Impact Protection IK08 standards to withstand field use. The screen has 1280 x 800 resolution and high-contrast color schemes that allows results to be seen in any condition, including nighttime and in bright sunlight.

A touchscreen simplifies operations. Users can swipe and scan across the frequency range, or pinch and zoom to quickly view signals of interest. Menus have been carefully planned and tested to follow industry standard touchscreen design guidelines.

With best-in-class specifications, the Field Master Pro MS2090A covers more spectrum with more sensitivity and better accuracy than ever before possible.

## **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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**Anritsu Contact:**

Stacy Escobar  
stacy.escobar@anritsu.com  
408.201.1966

**Agency Contact:**

Patrick Brightman  
3E Public Relations  
pbrightman@3epr.com  
973.263.5475