

Anritsu Launches Comprehensive Broadband Testing Solution to Meet R&D Requirements of Emerging High-frequency Component Designs

— *Emerging Technology Solution Initiative Integrates 220 GHz VectorStar™ VNAs with State-of-the-art Laboratory and Measurement Experts* —

Morgan Hill, CA – March 15, 2022 – Anritsu Company announces its *Emerging Technology Testing Solution* initiative that integrates its industry-leading [220 GHz VectorStar™ broadband vector network analyzers \(VNAs\)](#), state-of-the-art laboratory, and team of measurement experts. The initiative provides manufacturers designing high-frequency components, such as amplifiers, filters, transistors, and chips, utilizing emerging technologies with a seamless and efficient product verification process.

With 5G, beyond 5G and 6G technology being utilized in R&D designs, high-frequency testing is more essential than ever. Anritsu recognizes not all customers have access to high frequency broadband VNAs for making critical measurements at various device testing and design stages.

To help customers, Anritsu can provide testing consultation, as well as invite engineering teams to bring their devices to Anritsu's Morgan Hill facility and use its broadband VNAs for design verification. As an alternative, engineers at high-frequency component manufacturers can ship their devices to Morgan Hill and Anritsu's qualified engineering staff will conduct the tests and forward the results to the customer.

“Anritsu recognizes the market conditions and has created a program to help companies developing active and passive devices for emerging high-speed applications. We will assist in conducting fundamental measurements in our Morgan Hill state-of-the-art laboratory using our broadband VNAs that support 70 kHz to 110 GHz/125 GHz/145 GHz and 220 GHz,” said Navneet Kataria, Product Marketing Manager, VectorStar VNAs, Anritsu Company.

Best-in-Class VNA Performance

The [VectorStar ME7838 broadband series system](#) provides high performance in a compact millimeter wave (mmWave) module utilizing the Anritsu Nonlinear Transmission Line (NLTL) technology. It is the only broadband system with positive raw directivity in multiple bands. The result is improved

calibration and measurement stability with significantly longer time between calibrations, for accurate measurements and improved productivity.

Unprecedented broadband coverage from 70 kHz to 220 GHz in a single sweep is achieved by the VectorStar VNAs, which are optimized for on-wafer measurements. The VectorStar ME7838 VNA series delivers 109 dB dynamic range at 110 GHz, 102 dB at 220 GHz and excellent noise floor performance for high-sensitivity measurements across the entire sweep range.

Anritsu broadband device characterization lab facilities have various configurations to support coaxial, waveguide, and on-wafer devices for testing purposes. Dedicated probe stations, power supplies, probes of various pitches, and waveguide adaptors are available. Expertise in controlling and maneuvering probe stations, as well as in making precise and accurate measurements using VNAs are available through the program.

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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