

**Anritsu Wireless Technology Showroom  
Highlights 5G, beyond 5G and 6G Materials Measurement, Other Emerging  
Applications**

*— Engineers Researching High Data Rates for Beyond 5G/6G Gain Valuable Insight Into Test Solutions for Next-generation Designs —*

**Morgan Hill, CA –April 5, 2022–** Anritsu is providing thought leadership and test solutions for 5G materials measurement applications utilizing high frequencies, as part of the [Anritsu Wireless Technology Showroom](#). The virtual showroom includes a series of interactive presentations on emerging technologies with insights provided by Anritsu technical leaders.

The 5G Materials Measurement station features a presentation by Navneet Kataria, product marketing manager, Vector Network Analyzers (VNAs). As he explains, there is much research being conducted to characterize existing and new materials being used for the 5G, beyond 5G and 6G communication device world that will help achieve even higher data rates than what exist today without any degradation in the quality of services. As the frequencies go higher, the challenges in electromagnetic wave propagation through materials becomes even more complex and thus the need to characterize and research on new low loss materials become very important at those frequencies.

The presentation discusses fundamentals of making materials measurements, why they are necessary, and the elements of an effective test station. To conduct measurements, a configuration of a VNA, such as the [VectorStar™ family](#) that can support 70 kHz to 70GHz/110GHz/125GHz/145GHz and 220 GHz in a single sweep, fixture for material placement, and dedicated software should be used. Real-world use cases are also outlined and demonstrated.

Other stations in the [Wireless Technology Showroom](#) focus on 5G field testing, 5G network slicing for automotive and smart factory designs, service assurance, and technologies and measurements beyond 5G.

**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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