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MVG and Anritsu Announce Support for IEEE 802.11ax 6-GHz-Band (Wi-Fi 6E) OTA Measurements

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The Microwave Vision Group (MVG) and Anritsu Corporation are pleased to announce a new solution supporting IEEE 802.11ax 6 GHz band (Wi-Fi 6E) OTA measurements by combining an MVG multi-probe system and Anritsu's MT8862A Wireless Connectivity Test Set.



The 6 GHz band in the 802.11ax standard is the first new frequency band introduced in the past 20 years. As an unlicensed band, it supports a bandwidth of 1200 MHz up to 7.125 GHz with 160 MHz channels for high data throughput. First use of the unlicensed 6 GHz band started in the USA as a result of collaboration between the Federal Communications Commission (FCC) and leading technology companies and there is a worldwide movement to adopt and use this band, with many countries already in operation.

Assuring product RF performance quality is a new challenge in using the 6 GHz band efficiently. OTA measurements and RF performance checks help solve this challenge to support products with stable performance and faster speeds for better customer satisfaction.

Product Outline

MVG multi-probe OTA test systems equipped with an Anritsu MT8862A support an effective, simple, and stable test environment for RF evaluation of the new Wi-Fi 6 spectrum extension, Wi-Fi 6E.

MVG multi-probe systems are suited to measure antennas and perform OTA testing of wireless devices of all sizes. Delivering ultra-fast results, MVG multi-probe systems enable 3D visualization of antenna radiation patterns of devices under test through a fast electronic scan of its probe array. Using only a single axis azimuth positioner, it minimizes scattering caused by the positioning system, resulting in more accurate measurements. The product line ranges from compact portable test systems to particular measurement solutions that accommodate very heavy DUTs. MVG multi-probe systems, including a majority of those previously installed, can be associated with the MT8862A and thus support OTA measurements of the 6 GHz IEEE 802.11ax band (Wi-Fi 6E).

Anritsu's MT8862A Wireless Connectivity Test Set is the only all-in-one test solution for WLAN RF measurements supporting IEEE 802.11a/b/g/n/ac/ax, and the 2.4, 5, and 6 GHz frequency bands with 160 MHz channel bandwidths. With its stable wide-dynamic-range communications, it is the ideal OTA measurement solution.

About Microwave Vision Group

Since its creation in 1986, The Microwave Vision Group (MVG) has developed unique expertise in the visualization of electromagnetic waves. These waves are at the heart of our daily lives: Smartphones, computers, tablets, cars, trains, and planes – none of these devices or vehicles would work without them. Year after year, MVG develops and markets systems that allow for the visualization of these waves, while evaluating the characteristics of antennas, and helping speed up the development of products using microwave frequencies. MVG's mission is to extend this unique technology to all sectors where it will bring strong added value. MVG is structured around 3 departments: AMS (Antenna Measurement Systems), EMC (Electro-Magnetic Compatibility), and EIC (Environmental & Industrial Control). MVG is present in 10 countries and generates 90% of sales from exports. The Group generates revenues above € 100 million.

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About Anritsu

Anritsu Corporation (www.anritsu.com), a global provider of innovative communications test and measurement solutions for 125 years. Anritsu's 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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