

July 10th, 2024

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Fuente Álamo de Murcia - Spain

Joint EMITE and R&S solution supporting OTA measurement on WiFi7 and NR Red Cap

EMITE, in collaboration with R&S, is excited to unveil the latest enhancements to our Over-the-Air (OTA) measurement solutions. This upgrade introduces full compliance with the cutting-edge Wireless LAN standard, IEEE 802.11be, marking a significant leap forward in our capabilities.

The **IEEE 802.11be** standard, poised to succeed the current IEEE 802.11ax (Wi-Fi 6/6E), is designed to deliver communication speeds that far surpass its predecessor. As the new cornerstone of high-speed wireless communication, IEEE 802.11be is set to revolutionize the industry by supporting state-of-the-art applications and services, including ultra-high-resolution video streaming that transcends 4K quality and immersive AR/VR experiences.



Moreover, EMITE's state-of-the-art chambers combined with CMX500 sophisticated testing features provide a comprehensive environment for accurately assessing the performance of **Red Cap** devices. This ensures that our clients can confidently deploy these devices, knowing they have been rigorously tested to meet the highest standards of reliability and efficiency. This integration allows us to support the latest advancements in 5G technology, specifically designed for devices that require less complexity but still benefit from the high-speed and low-latency features of 5G networks.

These advancements have been made possible through collaboration with Rohde & Schwarz and the utilization of the CMX500 test equipment. This partnership underscores our dedication to delivering superior testing solutions that meet the evolving demands of the telecommunications sector.

EMITE's enhanced chambers are fully equipped to handle the rigorous testing requirements of current and future wireless technologies, reaffirming our commitment to quality and customer satisfaction.

"As a telecom engineer at EMITE, I'm excited to share that our testing chambers have been upgraded with the CMX500 equipment, enabling our customers to extend capabilities to include IEEE 802.11be standard and Red Cap devices. This integration signifies our commitment to embracing the latest 5G technologies and providing our clients with comprehensive testing solutions that cater to a wide spectrum of device complexities," said Jose Ypiña, Support Engineer at EMITE.

Christoph Pointner, Senior Vice President of Mobile Radio Testers at Rohde & Schwarz, said: "We are happy to bring our collaboration with EMITE to the next level. EMITE's customers can confidently deploy their devices for the latest technologies, knowing their products have been rigorously tested to meet the highest standards of reliability and efficiency, made possible through the integration of our tried-and-tested R&S CMX500 one-box signaling tester into the EMITE OTA chambers portfolio."

About R&S

Rohde & Schwarz is striving for a safer and connected world with its Test & Measurement, Technology Systems and Networks & Cybersecurity Divisions. For 90 years, the global technology group has pushed technical boundaries with developments in cutting-edge technologies. The company's leading-edge products and solutions empower industrial, regulatory and government customers to attain technological and digital sovereignty. The privately owned, Munich based company can act independently, long-term and sustainably. Rohde & Schwarz generated net revenue of EUR 2.78 billion in the 2022/2023 fiscal year (July to June). On June 30, 2023, Rohde & Schwarz had around 13,800 employees worldwide.

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About EMITE

EMITE Ingeniería, S.L. is a high - tech company, spin - out from the Technical University of Cartagena (Spain). EMITE designs, develops, manufactures and commercializes OTA Test Systems for performance, compliance and pre - compliance testing of any 2G to 5G standards and pre - standards worldwide, including 5G, Bluetooth and Wi-Fi (up to 7). Headquartered at the Fuente Álamo High Tech Park in the Region of Murcia (Spain) and with distributors in 25 countries, test house show rooms in America, Asia and Europe, and both national and international awards, EMITE OTA Test Systems are being used worldwide by carriers, OEMs, test labs, regulatory authorities and many others around the wireless ecosystem. With a customer - driven roadmap and a vision of changing the way technology gets through our life, EMITE OTA Test Systems are more than just chambers, bringing OTA testing into a new era of capabilities and easiness. EMITE MIMO OTA Test Systems were selected by 3GPP and CTIA as candidate methodology for the study and work items through standardization of LTE MIMO OTA test methods.

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