



Press Release

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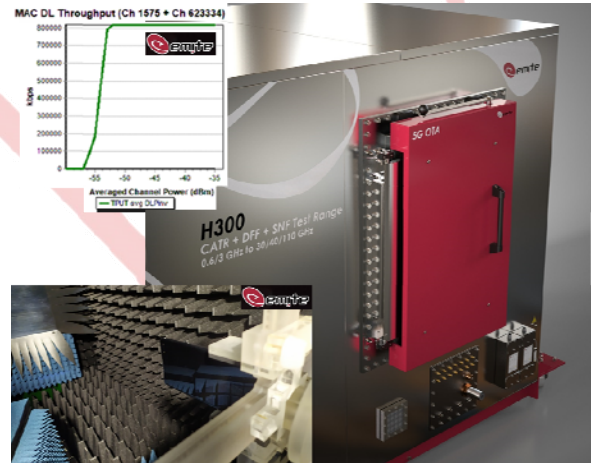
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## EMITE and Anritsu integrate MT8000A gNodeB emulator with H300 CATR for 5G OTA testing

For immediate release – Anritsu and EMITE are proud to announce that the Anritsu MT8000A test instrument, an integrated one-box test set for testing 5G NSA and SA at Sub-6 GHz and mm-Wave frequency ranges, has been successfully integrated and used in combination to the EMITE H300 CATR 5G OTA Test System to test 5G OTA figures of merit. The combination of H300 + MT8000A enables simultaneous Sub-6 GHz and millimeter-wave bands OTA measurements and beamforming tests using call connections specified by CTIA, 3GPP and PTCRB with automated reporting and pass/fail evaluation.

A number of NR NSA devices have been tested in combination with Anritsu MT8821C with less than 0.5 dB STD differences. The benchmarking tests used different 5G signal generation and analysis instruments with the state-of-the-art H-Series CATR OTA Test System by EMITE. With excellent 15  $\mu$ m peak-to-peak manufacturing accuracies, the modified-design serrated-edges reflector and hybrid feed-source, the H-Series can provide simultaneous operation for Sub-6 GHz and mm-Wave frequencies using three different test methods, Direct Far Field, Near to Far Field Transformation and Indirect Far Field Compact Antenna Test Range from 0.6 to 110 GHz within a 30 or 60 cm Quiet Zone. Layer-2 OTA throughputs for a 100 MHz 2x2 NR channel achieved 817 Mbps for some devices, representing 100% of the maximum expected throughput for the employed slot-map.



*“We have observed quite a stable operation for 5G OTA using Anritsu gNodeB emulators, and our customers are happy, so we are happy. The combination of the stable signaling, our simultaneous FR1+FR2 frequency range coverage, a 60cm QZ and a climatic enclosure puts our H-Series Test Platforms in an unbeatable situation in the market.”*, said Prof. David A. Sanchez-Hernandez, CEO of EMITE.

### About Anritsu Corporation

Anritsu Corporation ([www.anritsu.com](http://www.anritsu.com)) is a provider of innovative communications solutions for more than 120 years. The company's test and measurement solutions include wireless, optical, microwave/RF and digital instruments, operations support systems and solutions, customized software solutions, that can be used during R&D, manufacturing, installation, and maintenance. Anritsu also provides precision microwave/RF components, optical devices, and high-speed devices for design into communication products and systems. With the addition of multidimensional service assurance solutions for network monitoring and optimization, Anritsu provides complete solutions for existing and next-generation wireline and wireless communication systems and service providers. Anritsu sells in over 90 countries worldwide with approximately 4,000 employees. For more information, visit [www.anritsu.com](http://www.anritsu.com)

### 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, LTE-A and WiFi6. 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's 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. [www.emite-ing.com](http://www.emite-ing.com)

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