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EMITE E500T-ATT Test System approved for MIMO OTA by leading US carrier

For immediate release – EMITE is proud to announce the acceptance of its E500 Reverberation Chamber within leading US carriers to perform LTE MIMO OTA Test Plan conformance testing.

"With an unheard-of level of automation, the E500T-ATT Test Platform can now provide access to leading US carrier networks by providing fast, accurate, reliable and accepted LTE MIMO Over the Air (OTA) Throughput tests and reports. While Carrier Aggregation (CA) requirements are underway for diverse carrier test plans worldwide using Reverberation Chambers (RCs), the E500 Reverberation Chamber from EMITE, combined to the FS8/F8 Channel Emulator by Anite, is currently the most advanced, fastest, accurate and cost-effective MIMO OTA Test Tool in the market", said David Sanchez-Hernandez, CEO and founder of EMITE.

MIMO OTA testing for LTE and LTE-A is now critical to meet carrier requirements and determine the realistic performance of wireless devices. EMITE and Anite have produced a unique Test Platform for MIMO OTA performance and conformance evaluation. Leading operators in the US are moving ahead of slow-pacing standardization bodies, and have set the requirements for their LTE MIMO OTA Test plans, approving the EMITE-Anite E500T-ATT Test Platform.

With unheard-of level of automation and reporting, users can calibrate and test with one button, and quickly evaluate the effectiveness of any LTE wireless device for entering leading operators networks. The multicavity mode-stirred source-stirred EMITE E500 Reverberation Chamber provides the unique Over-The-Air (OTA) environment and system Graphic User Interface (GUI) controlling all connected instruments. Anite's FS8/F8 channel emulator provides the complex correlation, delay and noise profiles required to be combined with the OTA reverberation chamber fading environment by leading operators Test Plans for full evaluation of performance. The E500T-ATT Test Platform is used in combination of a VNA (Anritsu, Rohde & Schwarz or Keysight Technologies) for calibration purposes and a eNodeB from Rohde & Schwarz (CMW500) for LTE signalling.

The main features include a 690 to 6000 MHz frequency bandwidth, one-shot calibration procedures, one-button testing processes, turnkey System with no RF cable reconnections, automated control and reporting of entire Test Plans, overnight testing with Smart Attachment algorithms (no human intervention), fast LTE and LTE-A Throughput (TPUT), TRP and TIS testing, including MTS (MIMO Throughput Sensitivity), 2x2, 4x4 and 8x8 MIMO OTA and simple saving, plotting and exporting of results, among others. Available extensions include passive measurements (correlation, efficiency, capacity, etc.), spurious emissions measurements, LTE-A Carrier Aggregation + MIMO or 2G/3G/WLAN Testing, among others.

EMITE's unique multicavity source-stirred mode-stirred reverberation chamber solutions (MSRC) provide for variety of fading scenarios at a fraction of the cost of alternative anechoic chamber-based test solutions. The E500 Series, in addition to the unique capabilities of its E Series predecessors, provides for unheard-of levels of automation, allowing campaign testing overnight without human intervention.

About EMITE

EMITE is a high-tech company, spin-out of the Technical University of Cartagena (Spain), awarded with the Spanish Emprendedor XXI Award and Certified by Spanish ANCES as Innovative High-Tech Company (EiBT), with headquarters at the Fuente Alamo High Tech Park in the Region of Murcia (Spain). EMITE designs, develops, manufacturers and commercializes MIMO Analyzers as source-stirred mode-stirred reverberation chambers for the compliance testing of diverse 3G and 4G standards and pre-standards worldwide, including LTE-A, LTE, WiLabgn, WiMAX and HSPA+, and has distribution offices in the US, Canada, Israel, South Korea, China, Taiwan R.O.C. and Japan. EMITE's MIMO OTA mode-stirred reverberation chamber solutions were selected by 3GPP and CTIA as candidate methodology for standardized LTE MIMO OTA compliance testing.

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