

June 5, 2017

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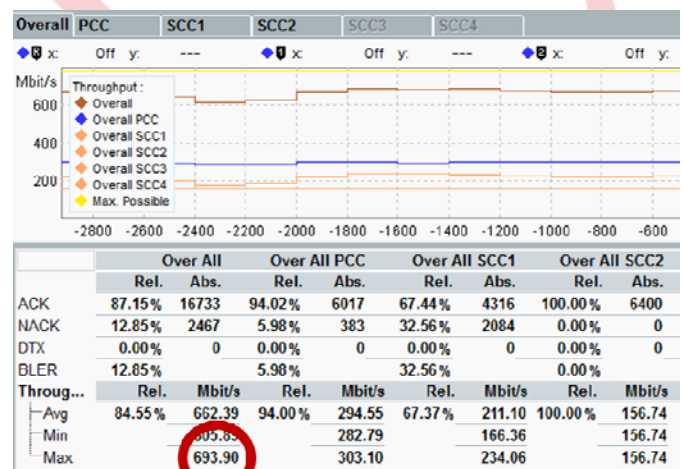
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Fuente Álamo de Murcia – Spain

Sydney - Australia

EMITE and Rohde & Schwarz provide worldwide-first 4x4 MIMO OTA Laboratory Test System for Cat16 Gigabit LTE smartphones to Australian leading wireless operator

After last month joint life tests by Telstra, Netgear and Ericsson on Gigabit LTE communications in a real event using a mobile router with 2x2 MIMO, EMITE and Rohde & Schwarz have provided and tested the very first worldwide 4x4 MIMO OTA laboratory Test System capable of handling up to 4 carriers (4DL CC) with 4x4 MIMO and 256QAM. Over 690 Mbps were achieved on the tests using three carriers (3DL CC) and 4x4 MIMO schemes. These incredible speeds can download a 30 minutes 360-degree 4K video streaming in just 15 seconds. Nothing will escape the user's attention in life-streaming anymore. Tests were performed on EMITE E500 Reverberation Chamber Test System and the Rohde & Schwarz CMWflexx4 eNodeB at Australian leading wireless operator lab, with excellent repeatability.



Since field test lack adequate repeatability, the new laboratory testing facility will help deploy the fastest LTE-A network worldwide, allowing for accurate and repetitive device evaluation prior to acceptance. While only some non-commercial devices support this technology today, all major smartphone manufacturers are developing devices for this schemes. Australian citizens will explore the fastest wireless speeds worldwide sooner than any other, as the latest developments in Reverberation Chambers and base station emulators were combined to provide this successful achievement.



"We are outrageously proud to have succeeded on this worldwide-first test system for Gigabit LTE with 4x4 MIMO, and although we are now becoming used to develop worldwide-first announcements, it is extremely exciting to see them in direct use by our customers, particularly our operator customers, with the leading Australian operator being a very important one in them", has commented David A. Sánchez-Hernández, CEO of EMITE.

"The operator engineers can now troubleshoot new prototypes and observe expected device performance in the field from their test lab, decide on device selection, run new figures of merit before purchasing upgrades or making changes to their LTE-A network. Their life is easier and our satisfaction is complete. We are even exploring new developments with their valuable view, which we see as a win-win scenario", added Cristina Albaladejo, CSO of EMITE.

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“Rohde & Schwarz has maintained a long relationship with the Australian leading carrier and we are very proud to provide our products CMW & ZVL6 and contribute to its success for this Gigabit LTE with 4x4 MIMO project”. Tony Grasso, Managing Director, R&S Australia.

The R&S CMWflexx4 has been especially designed for testing LTE-A with up to 4DLCC and 4x4 MIMO. It is the latest addition to the R&S CMW500, the wideband radiocomm tester for testing the air interface of wireless devices. The instrument can be used in all phases of product development and production and supports all common cellular and non-cellular wireless technologies. Additional information is available at <https://www.rohde-schwarz.com/en/product/cmw500>.

The R&S ZVL is a compact, powerful, and future-proof network analyzer, and is therefore ideal for use in development, production, and service. It is the only instrument to combine the functions of a network analyzer, spectrum analyzer, and power meter in a single box, and will thus tremendously increase your work efficiency. Additional information is available at <https://www.rohde-schwarz.com/au/product/zvl6>

EMITE's unique multicavity mode-stirred source-stirred reverberation chamber solutions (RC) provide for variety of fading scenarios at a fraction of the cost of alternative anechoic chamber-based test solutions. Along with conventional uniform, isotropic Rayleigh and more complex SCME-based fading profiles for MIMO OTA testing, the EMITE solutions are the only ones also offering other standardized fading profiles using the patented Sample Selection® technique, something unheard of in the wireless arena until now. For more information or to schedule a demonstration, please contact EMITE at sales@emite-ing.com

About EMITE. EMITE is a high-tech company, spin-out from the Technical University of Cartagena (Spain). EMITE was awarded with the Spanish Emprendedor XXI Award, CincoDías Innovation National Award and Certified by Spanish ANCES as Innovative High-Tech Company (EiBT). The company is headquartered at the Fuente Álamo High Tech Park in the Region of Murcia (Spain). It designs, develops, manufactures and commercializes MIMO Analyzers as mode-stirred source-stirred reverberation chambers for performance, compliance and pre-compliance testing of any 2G to 4G standards and pre-standards worldwide, including LTE-A and WIFlabnagac. The company has distribution offices in the US, Canada, Brazil, Israel, the EU, Scandinavia, South Korea, India, China, Taiwan R.O.C., Singapore, Australia, New Zealand and Japan. EMITE's MIMO OTA mode-stirred source-stirred reverberation chamber solutions were selected by 3GPP and CTIA as candidate methodology for standardized LTE MIMO OTA compliance testing.

About Rohde & Schwarz. The Rohde & Schwarz electronics group offers innovative solutions in all fields of wireless communications as well as in IT security. Founded more than 80 years ago, the independent company has an extensive sales and service network with subsidiaries and representatives in more than 70 countries. On June 30, 2016, Rohde & Schwarz had approximately 10,000 employees. The group achieved a net revenue of approximately EUR 1.92 billion in the 2015/2016 fiscal year (July to June). The company is headquartered in Munich, Germany, and also has strong regional hubs in Asia and the USA. R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG.

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