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Press Release

Rohde & Schwarz and Signalion score an industry first with full HD video streaming over LTE – including RF tests in the uplink

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At the Mobile World Congress in Barcelona, Rohde & Schwarz and Signalion raised the bar for LTE test and measurement by demonstrating full HD video streaming over LTE. Using the SORBAS test user equipment (UE) and the R&S CMW500 wireless tester, the two T&M specialists achieved an extremely high data rate of 25 Mbit/s.

For the first time, the streaming server of the R&S CMW500 used 64QAM modulation to transmit the data packets to the SORBAS test UE, which sent the received HD video to a PC with a display. In another LTE test innovation, in parallel with downstream data, the SORBAS test UE sent data to the R&S CMW500 via an LTE uplink to allow RF measurements.

The R&S CMW500 wideband radio communication tester from Rohde & Schwarz is an all-in-one solution that covers all phases of development and production. Its LTE implementation features layers 1 to 3 in the protocol stack, all of which meet the specifications of 3GPP eUTRAN release 8 up to category 4. In addition, the general-purpose tester offers scalable channel bandwidths from 1.4 MHz to 20 MHz. All 3GPP frequency bands up to 6 GHz are supported. Signalion's SORBAS LTE test UE is an all-in-one solution for testing the air interface of LTE base stations in all phases of development. It features layers 1 to 3 compliant with 3GPP specifications. In addition, it provides all the important characteristics of an LTE wireless device in combination with wide-ranging test, tracing and logging functions. This makes it a comprehensive solution that fulfills all requirements for function, load and capacity tests on LTE base stations.

About Signalion

Signalion is an established provider of air-interface diagnostics solutions for 3GPP LTE. Having introduced the first LTE test UE to the market, Signalion is a pioneer in providing new features and solutions in the context of LTE infrastructure testing. The company combines the unique experience of many years of wireless research, algorithm implementation, and leading edge wireless system development.

For more information about Signalion visit www.signalion.com.

About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radio monitoring and radio location, as well as secure communications. Established 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. It has approx. 7500 employees and achieved a net revenue of € 1.4 billion (US\$ 1.9 billion) in fiscal year 2007/2008 (July 2007 to June 2008). Company headquarters are in Munich, Germany. All press releases are available on the Internet at <http://www.press.rohde-schwarz.com>. A press photo for download is also provided there.

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