

## **Rohde & Schwarz and ASTRI to demonstrate advanced test solutions for LTE TDD**

■ **Munich, 17 February, 2009 — Together with the Hong Kong Applied Science and Technology Research Institute (ASTRI), Rohde & Schwarz will demonstrate the latest developments for the LTE TDD standard at the Mobile World Congress (MWC) in Barcelona. In May 2008, Rohde & Schwarz became the first company to publicly introduce a commercial test solution for LTE TDD.**

In the setup at the Rohde & Schwarz booth (hall 1, booth D59), an R&S AMU200A baseband signal generator will generate a base station's LTE TDD MIMO signal received by the user equipment (UE) implementation jointly developed by ASTRI and Innofidei. The signal contains an encoded video stream that is decoded by the UE. The R&S AMU200A is already equipped with two signal sources and one internal two-channel fading simulator. In the demonstration, it will include the option for LTE MIMO fading. This will enable the instrument to add 2x2 MIMO realtime fading in order to assess the effects on the receiver. The unique concept of the R&S AMU200A offers in one box all functions that are required to perform measurements on 2x2 MIMO receivers.

The 3GPP Release 8 specifications include both an LTE frequency division duplex (FDD) mode and an LTE time division duplex (TDD) mode. Both are essential for the commercial deployment of LTE. Although the two modes have been technically harmonized, solid test solutions are needed.

In addition to the setup in the demonstration, ASTRI also uses test solutions from Rohde & Schwarz to verify a femto base station implementation for LTE TDD. This involves using two R&S FSQ signal analyzers that assess the RF characteristics of the base station's MIMO signal.

The LTE TDD test solutions for signal generation (options R&S AMU-K55 and R&S SMx-K55) and signal analysis (options R&S FSQ-K104 and R&S FSQ-K105) are available from Rohde & Schwarz.

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**Rohde & Schwarz**

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**About Hong Kong Applied Science and Technology Research Institute Co. Ltd.**

**The Government of Hong Kong Special Administrative Region founded the Hong Kong Applied Science and Technology Research Institute Company Limited (ASTRI) in 2001 to capture the promises of technological advances for Hong Kong through applied research. Its missions are to perform high quality R & D for technology transfer to industry, develop needed technical human resources and act as a focal point that brings together industry and university R & D assets. Information about ASTRI is available on the web at [www.astri.org](http://www.astri.org).**

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