

Around 150 Bluetooth® testers for LG Electronics Korea

The new V2.0 + EDR Bluetooth® standard enables data transmission rates that are up to three times higher than the previous V1.1 and V1.2 standards. To ensure reliable data services also with the new standard, the Korean company uses T&M equipment from Rohde&Schwarz to test the relevant EDR parameters.

From exchanging calling cards via mobile phones to downloading music from the Internet, LG Electronics offers subscribers attractive applications on state-of-the-art Bluetooth® mobile phones. For its production of Bluetooth®-capable mobile phones, LG Electronics in Korea has ordered around 150 Bluetooth® testers from Rohde&Schwarz. The high measurement speed of the R&S®CBT32 tipped the scales in favor of this decision. Testing times and testing costs in production can thus be considerably reduced. Moreover, if audio signals have to be generated and analyzed, the Bluetooth® testers from Rohde&Schwarz can be retrofitted with the R&S®CBT-B41 option.



New TETRA network for public transit services in the Rhône and Lyon region

In future, the communications of the public transit services in the Lyon metropolitan area will be handled by the ACCESSNET®-T TETRA system. This April, R&S BICK Mobilfunk received the order from its French system partner, Sabatier SA. The main contractor is Sytral (Syndicat Mixte des Transports pour le Rhône et l'Agglomération Lyonnaise), which is the region's public transit authority.

Before the order was awarded, the system had to undergo a load test to confirm its expandability and performance. The network operator Keolis, a subsidiary of the French railway company SNCF, will use the system primarily as a data transmission network. The future TETRA system will transmit GPS and maintenance data of all Sytral buses and streetcars to the control center.



Dr Udo Helmbrecht, President of the BSI (left), receives the 2000th ELCRODAT 6-2 encryption unit from Henning Krieghoff, President of Rohde&Schwarz SIT GmbH.



Collaboration strengthens confidence in German encryption technology

International organizations and government authorities increasingly rely on the ELCRODAT 6-2, a German ISDN encryption system: Soon, 2000 units will be in use worldwide by NATO, the European Union and German security authorities.

The ELCRODAT 6-2 was designed in close cooperation between the German Federal Office for Information Security (BSI) and Rohde&Schwarz SIT GmbH. At an official ceremony held at the Rohde & Schwarz Memmingen plant on March 6, 2006, Henning Krieghoff, President of Rohde&Schwarz SIT GmbH, presented the 2000th unit to Dr Udo Helmbrecht, President of BSI.

DVB-T transmitters for Mordovia

At the end of 2005, the regional DVB-T network was put into operation in the Republic of Mordovia, making it the first country in the Russian Federation to set up a digital broadcasting network. Rohde&Schwarz supplied the digital transmitters for the TV stations.

The Mordovian representative of OJSC VolgaTelecom implemented the project; the Rohde&Schwarz office in Moscow managed to reel in the contract. A total of six subregions in Mordovia will be covered by ten TV and four sound broadcasting transmitters. The Republic of Mordovia, which is a member of the Russian Federation, is located in the central part of the Russian Plain between Oka and Sura. Its capital is Saransk.



Rohde & Schwarz closely cooperates with universities

Nationwide contest for young engineers

Co-sponsoring the case studies competition, Rohde & Schwarz demonstrated for the third time that close cooperation between industry and universities is anything but dull.

Leave the lecture hall and tackle practical challenges – more than 120 students from eleven German universities responded to this cue also this year. The case studies contest provides young engineers with the opportunity to test their theoretical knowledge against the everyday challenges engineers face. Under the catchphrase *HDTV – get it now!*, the competitors had to solve a T&M problem from the field of high-definition TV, initially in a preliminary round at the universities. Qualified local juries assessed the solutions and selected one team from each university to compete in the finals in Munich. On June 23, 2006, 45 participants from eleven teams vied with each other in the finals, which were held at the Rohde & Schwarz technology center. This time, the award for the most convincing solution went to the University of Dortmund.

www.fallstudienwettbewerb.de

Network analyzer for the University of Hanover

As part of a cooperation agreement, Rohde & Schwarz presented the University of Hanover with a vector network analyzer. Professor Ilona Rolfes from the faculty of radiofrequency engineering in Hanover accepted the R&S®ZVA24 from Jörg Fries, Head of the Product Management of Spectrum and Network Analyzers as well as EMC Test Equipment.

The students develop theories about specific problems, and then program and verify the results by using the analyzer. The results are subsequently exchanged with Rohde & Schwarz. "This is a valuable help for us because the faculty can contribute to our day-to-day work through additional research work", says Christian Evers, Head of the Center of Competence for Microwave Development and Production as well as Microelectronics. By using the analyzer, internships can now be performed in the university's RF labs.



Josef Kirchner (second from right), Director of Broadcasting Test and Measurement Products, hands over the R&S®FSH3-TV to Prof. Dr Markus Stichler (second from left). Mathias Leutiger (left) and Christoph Balz (right) also give the professor valuable tips.



Rohde & Schwarz President and CEO Michael Vohrer (right) and the Dean of the Electrical Engineering Faculty, Prof. Dr Ulrich Wagner, sign the cooperation agreement.



Professor Ilona Rolfes gladly accepts the R&S®ZVA24 vector network analyzer from Jörg Fries.

◀ The Rosenheim University of Applied Sciences receives an R&S®FSH3-TV

Rohde & Schwarz collaborates even more strongly with the universities.

Rohde & Schwarz recently presented the Rosenheim University of Applied Sciences with a Handheld TV Analyzer R&S®FSH3-TV. Each semester, 40 diploma candidates and master students are trained on the instrument, which allows them to gain their first experience in analyzing TV signals. Its simple operation makes the R&S®FSH3-TV ideal for use in training. Rohde & Schwarz believes that the students' interest in the company will be reflected in dissertations and internships.

◀ Cooperation with the Technical University of Munich finalized

Already last year, the Technical University and the University of Applied Sciences of Munich received equipment and software worth a six-figure sum to equip their labs.

In signing the cooperation contract with Rohde & Schwarz, the Technical University of Munich has committed itself to recommending suitable trainee or working students as well as students writing their dissertations. Joint engineering workshops about current topics will also be performed. Plus, Rohde & Schwarz gets the opportunity to present itself at events and in relevant university media.

Rohde & Schwarz recruits more than half of its entry-level employees from graduates of the Technical University and the University of Applied Sciences of Munich.

New office in Hong Kong ▶

ROHDE&SCHWARZ Hong Kong Ltd. office in operation since July 1, 2006.

Five employees will handle sales locally. To ensure a uniform market presence, Rohde & Schwarz Hong Kong took over the sales rights from the previous distributor, Electronic Scientific Engineering Ltd. Heino Gregorek is Managing Director and Regional Manager, Frank Wong General Manager. Gregorek – Regional Support Director for Asia/Pacific for the last five years – has been with Rohde & Schwarz for more than 25 years.

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EADS Astrium trains at Rohde & Schwarz UK

To familiarize themselves with radiofrequency engineering as well as spectrum and network analysis, 24 employees from EADS Astrium attended a fundamentals training seminar at Rohde & Schwarz UK in July.

The training offered theoretical and practical contents: The participants could sample the Rohde & Schwarz product portfolio and perform measurements using network and spectrum analyzers, signal generators and power meters.

Rohde & Schwarz UK offers these training seminars as an extra service to its key account customers from the military sector.



A representative office in Hong Kong: Rohde & Schwarz in Kowloon.

WiMAX Forum™ selects Rohde & Schwarz as a manufacturer of RCT systems

The WiMAX Forum™ (WMF), an industry-led non-profit corporation, was formed to promote and certify compatibility and interoperability of broadband wireless products. The Certification and Technical Working Groups (CWG/TWG) of the WMF have now selected Rohde & Schwarz as one of the manufacturers of radio conformance testers (RCT) in accordance with the mobile WiMAX IEEE 802.16e standard. The R&S®TS8970 test system, which is based on validated test cases, is a reference solution for the certification of WiMAX end products, which are manufactured in accordance with the IEEE 802.16e-2005 specification.

Welcome to the club

In May, Rohde & Schwarz China again organized a user club meeting for its customers who work with civil radio-monitoring systems. The event was staged in Wuhan in the province of Hubei. Since the 1990s, the meeting has served as a platform for users to exchange views regarding Rohde & Schwarz equipment. Rohde & Schwarz, in turn, can get valuable ideas for future product development as new trends are presented and discussed. The meeting is held on an annual to biannual basis in different Chinese provinces.

In addition to the staff from the Beijing office, participants from Rohde & Schwarz Munich and numerous honorary guests from industry and politics attended the meeting.