

Press release



RT-RK to collaborate with Rohde & Schwarz on Car Radio, Multimedia, and Infotainment Testing

Novi Sad, Serbia – February 23, 2016 – RT-RK, a market leading hardware and software design house, today announces its collaboration with Rohde & Schwarz in **development of an end-to-end testing solution for the automotive industry, which includes car radio, multimedia, and infotainment** system. Dealing with challenges of the numerous standards in the digital and mobile TV, analog TV, and audio broadcast, RT-RK and Rohde & Schwarz join forces to ensure prime end user experience. Responding to the needs of the automotive industry of today, the proposed solution covers DVB T2 (base profile and lite), ISDB-T, ISDB-Tb, ATSC, DRM/DRM+, DAB SFN, handover simulations, 3x/4x MRC (diversity), HEVC, ADAS cameras, Ethernet and BroadR-Reach.



The collaboration is driven by the needs of the market where analogue countries switch to DVB-T2 and DVB-T countries move to DVB-T2, and where HEVC (H.265) is the upcoming standard for the DVB-T2 transmissions. Technical requirements for the DVB-T2 receiver proposed by the Tier 1 companies are known, and the first solutions supporting Digital Radio & TV HEVC with DVB-T2 | T2 lite are entering the market.

With its range of signal generators Rohde & Schwarz can meet demands of creating scenarios simulating **complex interference of broadcast and cellular standards, in-cabin interference,**

diversity of audio/video reception with latest broadcast standards, and similar, ensuring complex simulations of all "on air" signals. On the other hand, RT-RK with its R&D expertise in testing of TV and multimedia devices can ensure a reliable **end-to-end solution with fitted R&D test packages for synthetic signal laboratory conditions** (references, performance, reproducibility, clean environment), **captured signal laboratory conditions** (real environment, reproducibility, snapshots), and **field/drive tests** (real environment, functionality). By covering all the laboratory and in-field conditions and going for all the R&D solutions, the partners aim at the best project performance and guaranteed end user experience.

*"Rohde & Schwarz has an impressive A/V broadcast test and measurement product portfolio for the complete value chain, from development to manufacturing," said **Ralph Kirchhoff, Director Business Unit Test and Measurement of the Broadcast and Media Division at Rohde & Schwarz**. "Backed up by our EMC testing solutions we are able to answer the most complex challenges of today's automotive industry and provide R&D, lab, and manufacturing environments."*

*"We are very pleased by the opportunity to utilize the equipment by Rohde & Schwarz in the end-to-end automotive test project," said **Vukota Pekovic, Head of Marketing and Sales at RT-RK**. "The excellence of their products along with our R&D expertise in DVB, video compression standards, access control technologies, machine vision, A/V analysis and other aspects will provide eligible tests. Furthermore, our experience in test automation and running projects from development to manufacturing makes us a test powerhouse behind many successful products on the market. In collaboration with Rohde & Schwarz we have an exquisite portfolio and can guarantee the best results."*

The first test setup of the DVB-T2 receiver the partners will showcase at [Embedded World in Nuremberg, February 23-25, 2016](#).

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About Rohde & Schwarz GmbH & Co. KG



The Rohde & Schwarz electronics group offers innovative solutions in the following business fields: test and measurement, broadcast and media, cybersecurity, secure communications, radiomonitoring and radiolocation. Founded more than 80 years ago, this independent company has an extensive sales and service network and is present in more than 70 countries. The electronics group is among the world market leaders in its established business fields. On June 30, 2015, Rohde & Schwarz had approximately 9900 employees. The group achieved a net revenue of EUR 1.83 billion in the 2014/2015 fiscal year (July to June). The company is headquartered in Munich, Germany, and also has strong regional hubs in Asia and the USA.

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About RT-RK

RT-RK LLC is a R&D company and national research institute that delivers development services and own products in the arena of real time embedded systems, with strong focus on consumer electronics and automotive. Headquartered in Novi Sad, with offices in Belgrade (Serbia), Banja Luka (Bosnia and Herzegovina) and Osijek (Croatia) with over 600 engineers, RT-RK is one of the biggest development houses in Southeast Europe. RT-RK is professionally engaged in embedded system design, TV software development, automotive software development, digital signal processing, UI/UX design, product development including small scale production, testing of Set-Top Box and multimedia devices, and FPGA rapid prototyping. For more information, visit www.rt-rk.com

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