

Rohde & Schwarz and MediaTek present world's first test solution for A-BeiDou location based services (LBS)

Rohde & Schwarz and MediaTek have successfully completed the verification of location based services (LBS) in the U-plane and C-plane for A-BeiDou, the new GNSS satellite positioning system from China. The R&S TS-LBS test solution allows mobile manufacturers, chipset manufacturers, test houses and network operators to verify chipsets and mobile devices in order to obtain permission to operate them in a particular network.

Munich and Hsinchu City (Taiwan), July 21, 2017 — The successful A-BeiDou verification of the MediaTek device under test (DUT) using the Rohde & Schwarz test system marks an important milestone in the GNSS evolution of positioning and navigation. It was the first time that the setup could be used to validate and verify a device for A-BeiDou location based services.

The R&S TS-LBS from Rohde & Schwarz is a test system for testing GNSS and network-based LBS. It consists of an R&S CMW500 as the base station simulator and an R&S SMBV100A GNSS simulator. The R&S CMW500 provides assistance data to the DUT and the R&S SMBV100A simulates the BeiDou satellites. The R&S TS-LBS test system can be used to obtain GCF and PTCRB certification as well as network operator specific certification for chip sets and mobile devices.

Alexander Pabst, Vice President Systems and Projects within the Rohde & Schwarz Test & Measurement Division, says: "We are delighted to collaborate with MediaTek and to contribute our test and measurement expertise to the development of A-BeiDou location based services. Rohde & Schwarz already has a strong global footprint with testing solutions for A-GNSS, such as A-GPS or A-Glonass, and for OTDOA/eCID. Thanks to our close cooperation with our partners, Rohde & Schwarz is committed to accompanying the evolution from existing to new satellite systems such as A-BeiDou with our innovative test and measurement solutions."

TL Lee, General Manager of the Wireless Communications Business Unit at MediaTek, says: "MediaTek is committed to developing and testing the latest mobile technologies and

standards to drive the industry forward. We have worked closely with Rohde & Schwarz to develop and validate the test solution for A-BeiDou LBS, verifying the A-BeiDou proof-of-concept trial system based on the R&S TS-LBS and MediaTek DUT. This represents an exciting step forward in the evolution of LBS technology, enabling the mobile ecosystem to verify chipsets and mobile devices on the new LBS technology."

For further information about the R&S TS-LBS go to:

www.rohde-schwarz.com/ad/press/ts-lbs

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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.

About MediaTek

MediaTek Incorporated (TWSE: 2454) is a global fabless semiconductor company that enables 1.5 billion connected devices a year. We are a market leader in developing innovative systems-on-chip (SoC) for mobile device, home entertainment, connectivity and IoT products. Our dedication to innovation has positioned us as a driving market force in several key technology areas, including

highly power-efficient mobile technologies and advanced multimedia solutions across a broad range of products such as smartphones, tablets, digital televisions, OTT boxes, wearables and automotive solutions. MediaTek empowers and inspires people to expand their horizons and more easily achieve their goals through smart technology. We call this idea Everyday Genius and it drives everything we do. Visit www.mediatek.com for more information.

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