

## **The R&S FSW becomes the first signal and spectrum analyzer offering 2 GHz internal analysis bandwidth**

**Developers of 5G radio access technologies, high-end radar systems and automotive applications need a very large bandwidth to analyze wideband signals. A new hardware option for the R&S FSW high-end signal and spectrum analyzer provides 2 GHz analysis bandwidth for these applications.**

Munich, June 28, 2017 — Rohde & Schwarz is expanding the internal analysis bandwidth of its R&S FSW high-end signal and spectrum analyzer up to 2 GHz by introducing the new R&S FSW-B2001 option. This test solution enables R&D users to investigate wideband signals in detail without the need for an external digitizer.

The R&S FSW-B2001 option provides 14-bit ADC resolution and wide dynamic range, characterized by excellent SFDR figures, for example -65 dBc for 1200 MHz bandwidth. This translates directly into outstanding signal analysis performance. The instrument can measure an EVM of around -40.0 dB error vector magnitude with an OFDM signal (792 MHz BW, 300 kHz spacing, 64QAM, 4096 FFT) at 28 GHz.

Bandwidth up to 2000 MHz facilitates research and development for next generation mobile standards, as well as characterization of wideband amplifiers for 5G. Aerospace and defense developers will be able to use the 2 GHz analysis bandwidth to measure radar pulses down to nanosecond widths, and analyze frequency-agile radar or hopping radio systems. Automotive R&D applications include characterization of FM carrier wave signals for radar applications, and ultrawide bandwidth signals such as those used in keyless entry systems.

The R&S FSW-B2001 option for the R&S FSW43 and R&S FSW50 high-end signal and spectrum analyzers with frequency ranges up to 43.5 GHz and 50 GHz is now available from Rohde & Schwarz. In addition, those R&S FSWs already equipped with 1200 MHz internal analysis bandwidth (option R&S FSW-B1200) are readily upgraded via a key code.

Press contacts:

Europe (headquarters): Christian Mokry, Phone: +49 89 4129 13052, E-mail: [press@rohde-schwarz.com](mailto:press@rohde-schwarz.com)

North America: Pam Sanders, Phone: +1 410 910 7908, E-mail: [pam.sanders@rsa.rohde-schwarz.com](mailto:pam.sanders@rsa.rohde-schwarz.com)

Asia Pacific: Wen Shi Tong, Phone: +65 6 307-0029, E-mail: [press.apac@rohde-schwarz.com](mailto:press.apac@rohde-schwarz.com)

Contacts for readers:

Customer Support Europe, Africa, Middle East: +49 89 4129 12345  
[customersupport@rohde-schwarz.com](mailto:customersupport@rohde-schwarz.com)

Customer Support North America: +1 888 TEST RSA (+1 888 837 87 72)  
[customer.support@rsa.rohde-schwarz.com](mailto:customer.support@rsa.rohde-schwarz.com)

Customer Support Latin America: +1 410 910 79 88  
[customersupport.la@rohde-schwarz.com](mailto:customersupport.la@rohde-schwarz.com)

Customer Support Asia Pacific: +65 65 13 04 88  
[customersupport.asia@rohde-schwarz.com](mailto:customersupport.asia@rohde-schwarz.com)

Customer Support China: +86 800 810 8228 or +86 400 650 5896  
[customersupport.china@rohde-schwarz.com](mailto:customersupport.china@rohde-schwarz.com)

**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.**

R&S ® is a registered trademark of Rohde & Schwarz GmbH & Co. KG.

All press releases are available on the Internet at <http://www.press.rohde-schwarz.com>.