

## **Rohde & Schwarz oscilloscopes with integrated generator facilitate debugging and deliver automated compliance tests**

**Rohde & Schwarz is the first oscilloscope manufacturer to offer an integrated arbitrary waveform and pattern generator in the lab class. With the generator, all R&S RTO2000 and R&S RTE oscilloscopes can deliver test signals on two analog and eight digital channels, making it possible to test complex circuits in a minimum of space using a single instrument. Even fully automated compliance tests can be performed.**

Munich, May 15, 2017 — The R&S RTO-B6/R&S RTE-B6 arbitrary waveform and pattern generator option provides two analog and eight digital channels operated via controls that are completely integrated into the oscilloscope GUI. Each of the two analog channels on the generator has a bandwidth of 100 MHz and can be operated in any of four modes: as a function generator, as a modulation generator, in sweep mode, or for replay of arbitrary waveforms. The waveform generator's data rate of 500 Msample/s and resolution of 14 bits make it well suited for development tasks. It can be used to characterize components such as differential amplifiers, for example.

The pattern generator can be used to output individually configured digital signals on up to eight channels. With a data rate of up to 40 Msample/s, it can generate clock and bus signals such as SPI, for example. A typical application is measuring the settling time of power amplifiers after using a serial bus telegram to set the parameters.

Users can operate the fully integrated generator via the large touchscreen. A graphical display clearly shows all settings for the waveforms to be generated. Arbitrary waveforms can also be taken from one of the oscilloscope channels. For example, acquired bus telegrams can be copied into the arbitrary waveform generator at the touch of a button.

The R&S RTO-B6 option can also be used for automating Ethernet compliance tests. The integrated arbitrary waveform generator automatically produces the required interference signals, simplifying test setup and execution.

The integrated R&S RTO-B6/R&S RTE-B6 arbitrary waveform and pattern generator hardware option is now available from Rohde & Schwarz for oscilloscopes from the R&S RTO2000 and R&S RTE series. For more information about Rohde & Schwarz oscilloscopes, visit: [www.rohde-schwarz.com/ad/press/rto-b6](http://www.rohde-schwarz.com/ad/press/rto-b6)

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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.**

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