



Available at  
www.books.rohde-schwarz.com

#### Regional contact

- Europe, Africa, Middle East | +49 89 4129 123 45  
customersupport@rohde-schwarz.com
- North America | 1 888 837 87 72 (1 888 TEST RSA)  
customer.support@rsa.rohde-schwarz.com
- Latin America | +1 410 910 79 88  
customersupport.la@rohde-schwarz.com
- Asia / Pacific | + 65 65 13 04 88  
customersupport.asia@rohde-schwarz.com
- China | +86 800 810 8228/+86 400 650 5896  
customersupport.china@rohde-schwarz.com

www.rohde-schwarz.com

PD 6213.8115.32 V 04.00

- 1986** **R&S®FSA:** standard-setting in RF performance
- 1995** **R&S®FSE:** new industry benchmark
- 1996** **First** spectrum analyzer with RMS detector
- 1997** **First** spectrum analyzer with built-in vector demodulator
- 1998** **R&S®FSIQ:** industry standard for WCDMA ACLR measurements
- 1999** **R&S®FSP:** fastest spectrum analyzer on the market
- 2001** **R&S®FSU:** our third-generation high-end analyzer family
- 2002** **R&S®FSH:** standard-setting in the handheld class
- 2004** **R&S®FSMR:** all-in-one solution for calibration
- 2005** **R&S®FSL:** the pro among compacts
- 2006** **R&S®FSUP:** first to combine phase noise and spectrum analysis
- 2007** **R&S®FSU:** first spectrum analyzer up to 67 GHz
- 2008** **R&S®FSV:** fastest signal analyzer on the market
- 2010** **R&S®FSVR:** first combination of a full-featured signal and spectrum analyzer with a realtime spectrum analyzer
- 2011** **R&S®FSW:** first signal and spectrum analyzer on the market with multistandard radio analyzer

## Take a look at our program of excellence ...

The success story began in 1986 with the R&S®FSA. Back then, the newcomer set standards in RF performance and simplified operation as the first spectrum analyzer on the market to feature a color display.

Over 25 years and many highlights later, we offer potential T&M equipment customers a modern and wide-ranging product portfolio that provides sophisticated, and often unique, solutions for all fields of application in spectrum analysis – from special-purpose instruments to general-purpose equipment.

The rapid development in wireless communications demands short innovation cycles and permanent upgrading of measuring equipment with new analysis capabilities. This is where the flexibility and sustainable value of our platform-based models yield outstanding results – invest once, and profit for many years to come.

Whatever your area of work, a spectrum analyzer from Rohde&Schwarz will help you achieve your aim faster and more directly. Our expert sales engineers will work with you to quickly find the model that best suits your needs.

## ... and check out these winning points

#### Largest product portfolio on the market

We provide solutions for any application and any budget: introductory models, handheld instruments, medium-class and high-end signal and spectrum analyzers, one-box solutions for calibration tasks and signal source characterization.

#### Redefining the boundaries of spectrum analysis

Since 1986, Rohde&Schwarz has continually set new standards in this product sector. The timeline on the back page shows a selection of our highlights.

#### Short innovation cycles and top investment security

Although seemingly a contradiction in terms, this is our strategy. Our products are based on platforms that are continuously developed and enhanced with new functions. We can respond quickly to new requirements – and your valuable investment will remain state-of-the-art for a long time.

#### Maximum integration and functionality

We integrate in a single box functions that other manufacturers distribute among several instruments. The high degree of integration not only means that you save on power, weight and space, it also provides greater stability and reliability.

#### Excellent service worldwide

We serve 90 % of the global market with our subsidiaries and representatives and provide professional telephone support around the clock.

# The Driving Force in Spectrum Analysis



The world of signal and spectrum analysis from Rohde & Schwarz												
Frequency range	0 Hz	5 GHz	10 GHz	15 GHz	20 GHz	25 GHz	30 GHz	35 GHz	40 GHz	45 GHz	50 GHz	up to 110 GHz
<b>R&amp;S®FSW</b> from 2 Hz	R&S®FSW43								43.5			(110 GHz <sup>1)</sup> )
	R&S®FSW26					26.5						(110 GHz <sup>1)</sup> )
	R&S®FSW13			13.6								
	R&S®FSW8		8									
<b>R&amp;S®FSU</b> from 20 Hz	R&S®FSU67											67 (110 GHz <sup>1)</sup> )
	R&S®FSU50										50	(110 GHz <sup>1)</sup> )
	R&S®FSU46									46		(110 GHz <sup>1)</sup> )
	R&S®FSU43								43			
	R&S®FSU26					26.5						
	R&S®FSU8		8									
<b>R&amp;S®FSQ</b> from 20 Hz	R&S®FSQ3	3.6										
	R&S®FSQ40								40			(110 GHz <sup>1)</sup> )
	R&S®FSQ26					26.5						(110 GHz <sup>1)</sup> )
	R&S®FSQ8		8									
<b>R&amp;S®FSMR</b> from 20 Hz	R&S®FSMR3	3.6										
	R&S®FSMR50										50	
	R&S®FSMR43								43			
	R&S®FSMR26					26.5						
<b>R&amp;S®FSUP</b> from 20 Hz	R&S®FSUP50										50	(110 GHz <sup>1)</sup> )
	R&S®FSUP26					26.5						(110 GHz <sup>1)</sup> )
	R&S®FSUP8		8									
<b>R&amp;S®FSG</b> from 9 kHz	R&S®FSG13			13.6								
	R&S®FSG8		8									
<b>R&amp;S®FSVR</b> from 10 Hz	R&S®FSVR40								40			(110 GHz <sup>1)</sup> )
	R&S®FSVR30						30					(110 GHz <sup>1)</sup> )
	R&S®FSVR13			13.6								
	R&S®FSVR7		7									
<b>R&amp;S®FSV</b> from 10 Hz	R&S®FSV40								40			(110 GHz <sup>1)</sup> )
	R&S®FSV30						30					(110 GHz <sup>1)</sup> )
	R&S®FSV13			13.6								
	R&S®FSV7		7									
	R&S®FSV3	3.6										
<b>R&amp;S®FSL</b> from 9 kHz	R&S®FSL18											18
	R&S®FSL6		6									
	R&S®FSL3	3										
<b>R&amp;S®ZVH</b> from 100 kHz	R&S®ZVH8		8									
	R&S®ZVH4	3.6										
<b>R&amp;S®FSH3/18</b> from 100 kHz	R&S®FSH18											18
	R&S®FSH3	3										
<b>R&amp;S®FSH4/8</b> from 9 kHz	R&S®FSH8		8									
	R&S®FSH4	3.6										
<b>R&amp;S®FSC</b> from 9 kHz	R&S®FSC6		6									
	R&S®FSC3	3										

<sup>1)</sup> With external mixers.

**R&S®FSW**

High-end signal and spectrum analyzer with low phase noise and wide analysis bandwidth for applications in R&D and production with high demands on RF performance.



**R&S®FSV**

Very fast, wideband, mid-range instrument for general-purpose applications.



**R&S®FSL**

Compact lightweight analyzer with 28 MHz I/Q demodulation bandwidth for applications in development, service, and installation.



**R&S®FSH**

Versatile handheld spectrum analyzer up to 18 GHz for mobile applications in the field and in service.



**R&S®FSC**

Cost-efficient 6 GHz spectrum analyzer for applications in service, production and education.



**R&S®FSU**

High-end spectrum analyzer that meets any challenge in RF analysis – in aerospace and defense or for general microwave applications up to 67 GHz.

**R&S®FSQ**

Signal analyzer with integrated spectrum analyzer up to 40 GHz (similar to the R&S®FSU) and up to 120 MHz I/Q demodulation bandwidth.

**R&S®FSMR**

Measuring receiver with high linearity for signal generator and attenuator calibration.

**R&S®FSUP**

Phase-noise test set and signal source analyzer with integrated high-end spectrum analyzer.

**R&S®FSG**

Signal analyzer for broadband communications applications with 28 MHz I/Q demodulation bandwidth.

**R&S®FSVR**

Combines a full-featured signal and spectrum analyzer with a realtime spectrum analyzer. In real-time operation, the R&S®FSVR seamlessly measures and displays the spectrum in the time domain with a span of up to 40 MHz.

**R&S®ZVH**

Rugged, handheld cable and antenna analyzer up to 8 GHz, specially designed for fast and easy setup and maintenance of antenna stations. Its low weight and simple operation make it indispensable for anyone who needs an efficient measuring instrument for the installation and maintenance of outdoor antenna systems.