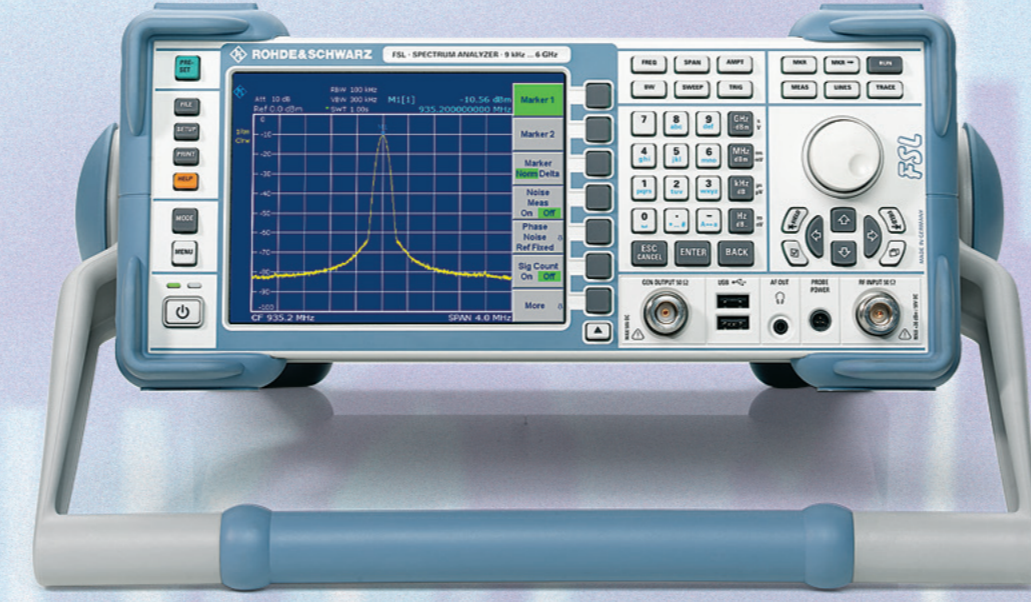
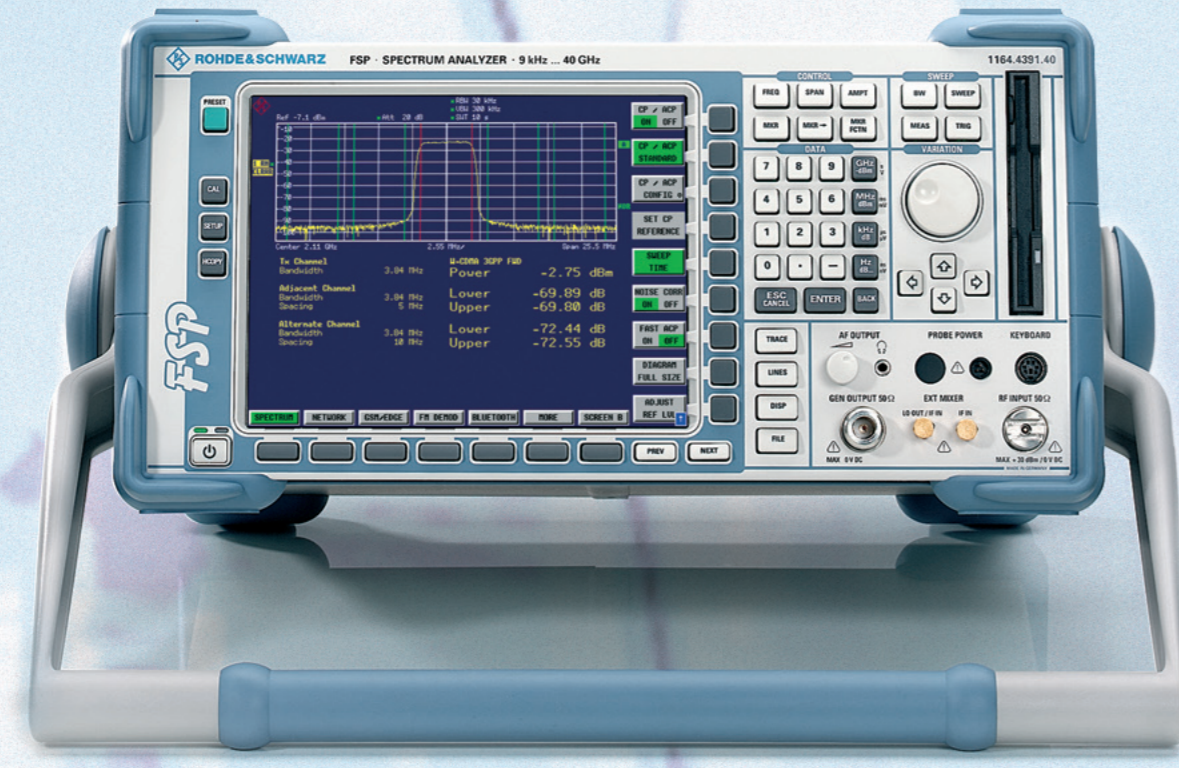


The Rohde & Schwarz World of Spectrum Analysis



Spectrum and signal analyzers for every need

With currently* 27 models to choose from (EMI test receivers not included), spectrum analyzers from Rohde & Schwarz fulfill every wish with regard to class, frequency range and functionality. Owing to our wide variety of models and options, we offer the right instrument for virtually any application. The consistent look and feel and the largely identical functions of the series make the transfer of user know-how and application programs easy.

The current instrument families

R&S® FS300 Cost-efficient 3 GHz spectrum analyzers for applications in service, production and education

R&S® FSH Versatile handheld spectrum analyzers up to 6 GHz for mobile applications in the field and in service

R&S® FSL Compact lightweight analyzer for applications in development, service and installation with 20 MHz I/Q demodulation bandwidth

R&S® FSP Medium-class spectrum analyzers up to 40 GHz for most lab applications, service and measurements in production

R&S® FSU High-end spectrum analyzers up to 50 GHz for applications in R&D and production with high demands on dynamic range

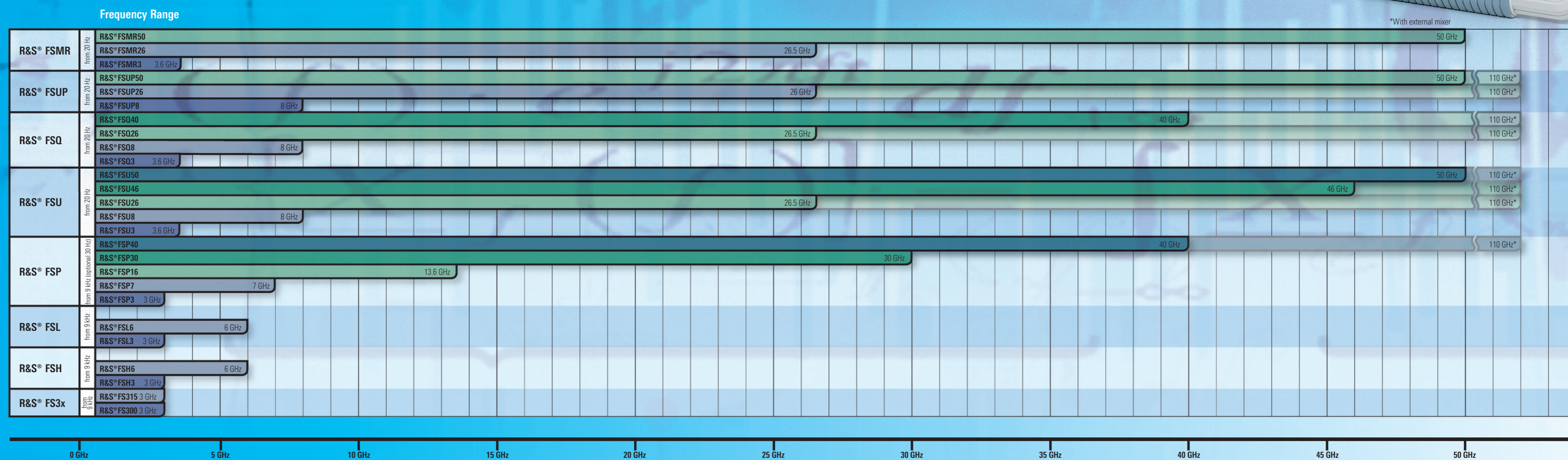
R&S® FMU Baseband analyzer with balanced and unbalanced analog inputs (I/Q)

R&S® FSQ Signal analyzers 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 for signal generator and attenuator calibration with high linearity

R&S® FSUP Phase-noise test set and signal source analyzer with integrated high-end spectrum analyzer

*1 as of November 2006



Hardware Options for the R&S® FSMR / FSUP / FSQ / FSU / FSP Families	
Option	Available Models
Rugged Case	R&S® FSP-B1
AM / FM Audio Demodulator	R&S® FSP-B3
DXCO Reference Frequency	R&S® FSP-B4
DXCO Reference Frequency with improved aging	R&S® FSU-B4
TV Trigger	R&S® FSP-B6
RF Power Trigger	R&S® FSP-B6
Internal Tracking Generator and IQ Modulator	R&S® FSU-B9
Output Attenuator for Tracking Generator	R&S® FSU-B12
External Generator Control	R&S® FSP-B10
Pulse Calibrator (required for R&S® FS-K72 / K73)	R&S® FSP-B15
LAN Interface 100BT	R&S® FSP-B16
Removable Hard Disk (security option)	R&S® FSP-B18
Second Hard Disk	R&S® FSP-B19
Extended Environmental Specs	R&S® FSU-B20
LO/IF Ports for External Mixer	R&S® FSU-B21
20 dB Pre-amplifier (3.6 to 26 GHz)	R&S® FSMR-B23
Electronic Attenuator (to 3.6 GHz) and Pre-amplifier (to 8 GHz)	R&S® FSU-B25
Trigger Port	R&S® FSP-B28
DC Power Supply	R&S® FSP-B30
NIMH Battery Pack	R&S® FSP-B31
Spare NIMH Battery Pack	R&S® FSP-B32
Demodulation Hardware and Memory Extension (required for R&S® FS-K72)	R&S® FSP-B70
I/Q Baseband Inputs	R&S® FSU-B71
I/Q Bandwidth Extension 60 MHz / 120 MHz	R&S® FSU-B72
I/Q Memory Extension 205 / 705 MSamples	R&S® FSU-B100
Low Phase Noise, Cross Correlation Measurement	R&S® FSUP-B60
VIG Preselector for 1-3.6 GHz / + Pre-amplifier	R&S® FSMR-B27

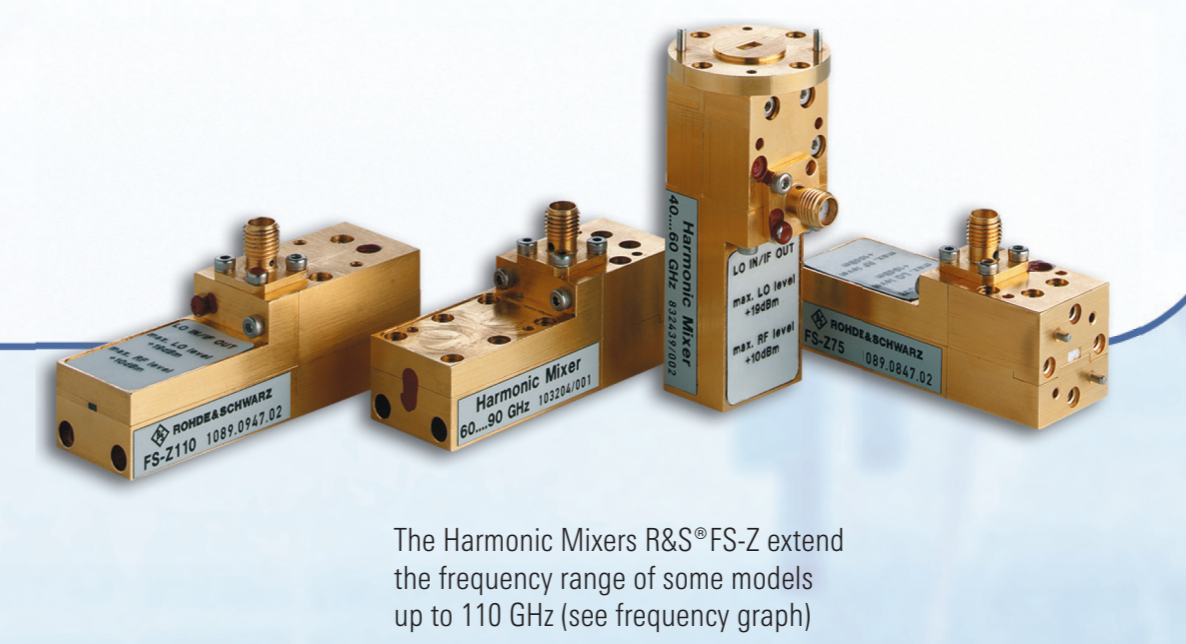
*1) Firmware options for 3GPP (FDD), TD-SCDMA and CDMA 2000 include:
 • Spectrum measurements: output power, ACLR, spectrum emission mask, CCDF
 • Code domain measurements: code power, CVM, PCDF, power vs. slot, constellation, channel table

Firmware and Software Options for the R&S® FSMR / FSUP / FSQ / FSU / FSP / FSL Families	
Option	Available Models
General Purpose	R&S® FS-K30, FS-K40, FS-K72, FS-K73, FS-K74, FS-K75, FS-K76, FS-K77, FS-K78, FS-K79, FS-K80, FS-K81, FS-K82, FS-K83, FS-K84, FS-K85, FS-K86, FS-K87, FS-K88, FS-K89, FS-K90, FS-K91, FS-K92, FS-K93
Wireless LAN / Broadband Wireless Access	R&S® FS-K91, FS-K92, FS-K93
GSM / EDGE	R&S® FS-K5, FS-K72, FS-K73, FS-K74, FS-K75, FS-K76, FS-K77, FS-K78, FS-K79, FS-K80, FS-K81, FS-K82, FS-K83, FS-K84, FS-K85, FS-K86, FS-K87, FS-K88, FS-K89, FS-K90, FS-K91, FS-K92, FS-K93
3GPP (FDD)*	R&S® FS-K72, FS-K73, FS-K74, FS-K75, FS-K76, FS-K77, FS-K78, FS-K79, FS-K80, FS-K81, FS-K82, FS-K83, FS-K84, FS-K85, FS-K86, FS-K87, FS-K88, FS-K89, FS-K90, FS-K91, FS-K92, FS-K93
TD-SCDMA*	R&S® FS-K72, FS-K73, FS-K74, FS-K75, FS-K76, FS-K77, FS-K78, FS-K79, FS-K80, FS-K81, FS-K82, FS-K83, FS-K84, FS-K85, FS-K86, FS-K87, FS-K88, FS-K89, FS-K90, FS-K91, FS-K92, FS-K93
CDMA 2000*	R&S® FS-K82, FS-K83, FS-K84, FS-K85, FS-K86, FS-K87, FS-K88, FS-K89, FS-K90, FS-K91, FS-K92, FS-K93
TV	R&S® FSU-K20
Vector Signal Analysis	R&S® FSMR-B73, R&S® FSU-K70

Hardware Options for the R&S® FSL Family	
Option	Available Models
Tracking Generator	R&S® FSL-B1
DXCO Reference Frequency	R&S® FSL-B4
Additional Interfaces: video out, IF out, noise source control, AUX port, R&S® NRP power sensor	R&S® FSL-B5
TV Trigger	R&S® FSL-B6
Narrow Resolution Filters	R&S® FSL-B7
Gated Sweep	R&S® FSL-B8
GPIO Interface	R&S® FSL-B10
RF Pre-amplifier	R&S® FSL-B22
DC Power Supply	R&S® FSL-B30
NIMH Battery Pack	R&S® FSL-B31

Options and Accessories for the R&S® FSH Family	
Option	Available Models
Distance-to-Fault Measurement	R&S® FSH-B1
Remote Control via RS-232-C	R&S® FSH-K1
Vector Transmission and Reflection Measurements	R&S® FSH-K2
Receiver Mode	R&S® FSH-K3
Code Domain Power Measurements on 3GPP Base Stations*	R&S® FSH-K4
Power Sensor, 10 MHz to 8 GHz	R&S® FSH-Z1
Power Sensor, 10 MHz to 18 GHz	R&S® FSH-Z18
Directional Power Sensor, 200 MHz to 4 GHz	R&S® FSH-Z44
VSWR Bridge and Power Divider, 10 MHz to 3 GHz	R&S® FSH-Z2
VSWR Bridge with DC Bias and Bypass Switch	R&S® FSH-Z3
12 V Car Adapter	R&S® FSH-Z21
Serial/Parallel Converter	R&S® FSH-Z22
Active Directional Antenna for field-strength measurements	R&S® HE 200
Matching Pad 50/75 Ω	R&S® FAZ
Carrying Bag	R&S® FSH-Z25

*1) For R&S® FSH 3 model 23 with serial number 103500 or later.



The Harmonic Mixers R&S® FS-Z extend the frequency range of some models up to 110 GHz (see frequency graph)



Rohde & Schwarz expertise in wireless communication

Rohde & Schwarz has been committed to wireless communication for decades. Our measuring instruments and systems set standards in R&D, conformance and production testing, quality assurance, coverage measurement, and service. We offer a complete product range for

- Mobile radio testing
- Spectrum and signal analysis
- Vector network analysis
- Signal generation
- Power and voltage measurement
- EMC testing
- Test automation



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