

# R&S® FPC1500 Spectrum Analyzer with the Value of Three Customized configurations for a wide range of applications



**The perfect choice for**

RF device development for IoT, etc.	Vector network analysis
AM/FM and ASK/FSK modulation analysis	EMI debugging

**Key specifications**

Frequency range	5 kHz to 1 GHz with upgrades up to 3 GHz
Max. input power	Up to +30 dBm
Low noise floor	Down to -165 dBm (typ. with preamplifier)
Connectivity	LAN, USB, Wi-Fi (optional)
Measurement options	modulation analysis, receiver mode, advanced measurements
Tracking generator	5 kHz to 1/2/3 Ghz

Your benefit	Features
Investment protection	All upgrades available via keycode, no additional calibration required
Remote measurement	R&S®FPC-B200 enables Wi-Fi to remotely access the instrument without cabling

**Buy only what is needed – invest when needed – upgrade as needed**

**Frequency-upgradeable**

■ The R&S®FPC1500 covers a frequency range from 5 kHz to 1 GHz, with keycode-activated upgrades available

**Wi-Fi connection support\***

■ The R&S®FPC-B200 enables the integrated Wi-Fi module, eliminating the need for network cables

**Spectrum analyzer preamplifier**

- The optional preamplifier enhances sensitivity to detect extremely small signals
- 100% software-upgradeable
- No downtime – instant option availability

[Modulation analysis \(next page\)](#)

[Receiver mode \(next page\)](#)

[Advanced measurements \(next page\)](#)

[Vector network analysis \(next page\)](#)

\* Wi-Fi feature not available in some countries due to local certification requirements.

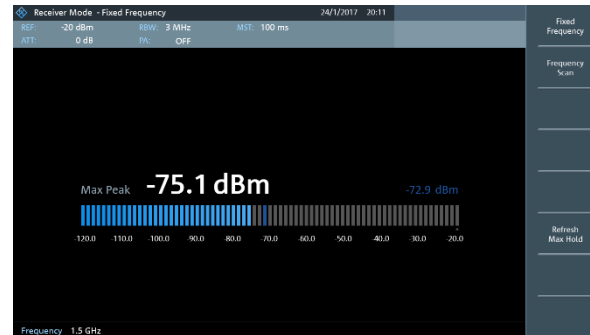
► For more information, see [www.rohde-schwarz.com/product/fpc1500](http://www.rohde-schwarz.com/product/fpc1500)

## Modulation analysis



R&S®FPC-K7 modulation analysis, including dedicated modes for analysis of Bluetooth® Low Energy (BLE) and tire pressure monitoring systems (TPMS).

## Receiver mode

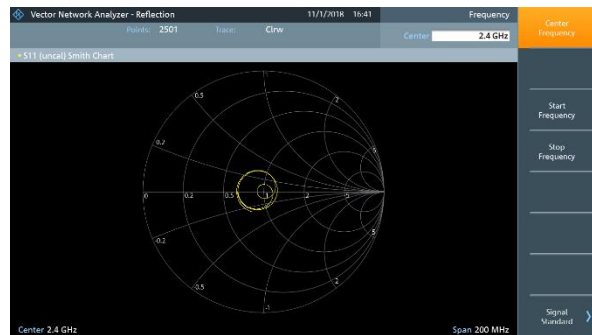


The R&S®FPC-K43 receiver mode option enables EMI debugging and includes a quasi-peak detector. Near-field probe sets are available.

## Model configuration information

Base unit	Description
F&S®FPC1500	R&S®FPC1500 spectrum analyzer, 5 kHz to 1 GHz
Option	Description
R&S®FPC-B2	Spectrum analyzer frequency upgrade, 1 GHz to 2 GHz
R&S®FPC-B3	Spectrum analyzer frequency upgrade, 2 GHz to 3 GHz
R&S®FPC-B22	Spectrum analyzer preamplifier
R&S®FPC-B200	Wi-Fi connection support
R&S®FPC-K7	Modulation analysis
R&S®FPC-K42	Vector network analysis
R&S®FPC-K43	Receiver mode
R&S®FPC-K55	Advanced measurements
Accessories	Name
R&S®ZZA-FPC1	19" rackmount kit
R&S®HZ-15	Near-field probes, 30 MHz to 3 GHz (set of 5 probes)
R&S®HZ-16	Amplifier, 100 kHz to 3 GHz
R&S®HZ-17	Near-field probes, 30 MHz to 3 GHz (set of 2 probes)
R&S®RTB-Z3	Carrying case

## Vector Network Analysis



R&S®FPC-K42 vector network analysis enables the internal bridge for S11 reflection measurements, including Smith chart and distance-to-fault (DTF).

## Advanced measurements



The R&S®FPC-K55 adds measurement functions for channel power, occupied bandwidth, spectrogram display, harmonic distortion, TDMA power and third order intercept.