

R&S® FPC1000 EMI Debugging Solution

Unexpected performance in entry class



The perfect choice for

Radiated EMI testing

Conducted EMI testing

Key specifications

R&S®FPC1000 spectrum analyzer

Frequency range	5 kHz to 1 GHz with upgrades up to 3 GHz
Low noise floor	down to -165 dBm (typ. with preamplifier)
Connectivity	LAN, USB, Wi-Fi (optional)

R&S®HM6050-2 LISN

Frequency range	9 kHz to 30 MHz
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R&S®HZ-17 near-field probe

Frequency range	30 MHz to 3 GHz
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Key features

R&S®FPC1000 EMI Debugging Solutions cater to different needs so you only buy what is needed. Set up an entirely new test site or even extend the lifespan of existing equipment by incorporating it into new R&S®FPC1000 EMI Debugging solutions. The bundles interface with the R&S®FPC1000 and R&S®HM6050-2 for signal processing and LISN switching.

R&S®ELEKTRA EMI test software enables professional, simple-to-use signal evaluation. The software features test templates, transducer factors for accessories as well as easy storing of documented test results.

Your benefit	Features
Investment protection	All upgrades available via keycode; no additional calibration required. The R&S®HZ-17 radiated emissions probe set is compatible with all of the frequency options
Professional EMI measurement software	R&S®ELEKTRA EMI test software suite includes predefined test templates, CISPR limit lines and easy reporting functionality
Scalable Single Source Solution	All solution components are R&S® products. They are designed to work together. Upgrade paths are available

► For more information, visit www.rohde-schwarz.com/catalog/EMC_PCS

Recommended EMI Debugging Solution for conducted + radiated measurement



Description	Model
Conducted + radiated measurement kit	
Included instrument and accessories	
Spectrum analyzer	R&S®FPC1000
Receiver mode	R&S®FPC-K43
LISN 9 kHz to 30 MHz (GER/UK/US)	R&S®HM6050-2
30 MHz to 3 GHz 2x H-field probe	R&S®HZ-17
Professional EMI software for measuring electromagnetic disturbances	R&S®ELEKTRA EMI test software

Recommended EMI Debugging Solution for radiated measurement



Description	Model
Radiated measurement kit	
Included instrument and accessories	
Spectrum analyzer	R&S®FPC1000
Receiver mode	R&S®FPC-K43
30 MHz to 3 GHz 2x H-field probe	R&S®HZ-17
Professional EMI software for measuring electromagnetic disturbances	R&S®ELEKTRA EMI test software

Recommended EMI Debugging Solution for conducted measurement



Description	Model
Conducted measurement kit	
Included instrument and accessories	
Spectrum analyzer	R&S®FPC1000
Receiver mode	R&S®FPC-K43
LISN 9 kHz to 30 MHz (GER/UK/US)	R&S®HM6050-2
Professional EMI software for measuring electromagnetic disturbances	R&S®ELEKTRA EMI test software

Ordering information

Step 1: Choose your EMI debugging application

Conducted + radiated measurement	
Radiated measurement	
Conducted measurement	

Step 2: Choose your frequency upgrade option

1 GHz to 2 GHz	R&S®FPC-B2
2 GHz to 3 GHz	R&S®FPC-B3

Step 3: Choose your options and accessories

Hardware options	
R&S®FPC1000 preamplifier	R&S®FPC-B22
Software options	
Wi-Fi connection support*	R&S®FPC-B200
Modulation analysis	R&S®FPC-K7
Advanced measurements	R&S®FPC-K55
Accessories	
19" rackmount kit	R&S®ZZA-FPC1
Near-field probes, 30 MHz to 3 GHz	R&S®HZ-15
Amplifier for HZ-15/HZ-17, 100 kHz to 3 GHz, 20dB	R&S®HZ-16
Carrying case	R&S®RTB-Z3

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

Included:

All models include power cable, operating manual and come with a three-year warranty.