



R&S®FPC-EMI1 – 1 GHz SPECTRUM ANALYZER FOR EMI DEBUGGING DURING DEVELOPMENT AND VERIFICATION

The perfect choice for



Universities	Training
EMC application segment	RF measurements

Key specifications	
Frequency range	5 kHz to 1 GHz (R&S®FPC-EMI1) 5 kHz to 1 GHz (R&S®FPC-IOT1)
Resolution bandwidth (-3 dB)	1 Hz to 3 MHz
Resolution bandwidth CISPR	200 Hz/9 kHz/120 kHz/1 MHz
DANL at 1 GHz (preamp on)	< -158 dBm/Hz with the R&S®FPC-B22
Receiver mode with quasi-peak detector	R&S®FPC-K43
Scan step size	100 MHz
Max. number of steps	20 000
Export and display steps	1183 (standard); up to 20 000 with R&S®ELEKTRA

Cost-saving EMI solution

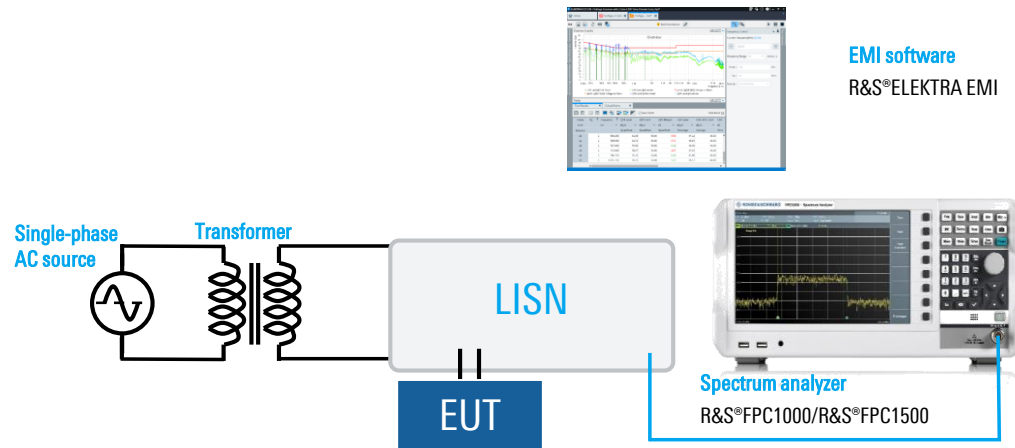
It is affordable and faster to fix EMI issues as early as possible in the product lifecycle during development. The Rohde & Schwarz recommended EMI debugging solution enables our customers to locate, analyze and eliminate EMI issues before they become a hindrance during compliance testing. The solution consists of hardware and software that is specifically designed to measure both conducted and radiated emissions.

Your benefit	Features
Affordable R&S®FPC1000	Spectrum analyzer with excellent performance
Detectors (-6 dB)	Maximum peak, average, RMS, quasi-peak
Measurements	Fixed frequency, channel scan, user defined channel scan, EMI precompliance, CISPR bandwidths and detectors, spectrograms
Easy-to-use R&S®ELEKTRA EMI software	Supports the measurement of both conducted and radiated emissions
Easy monitoring	Spectrogram recording firmware V.1.70



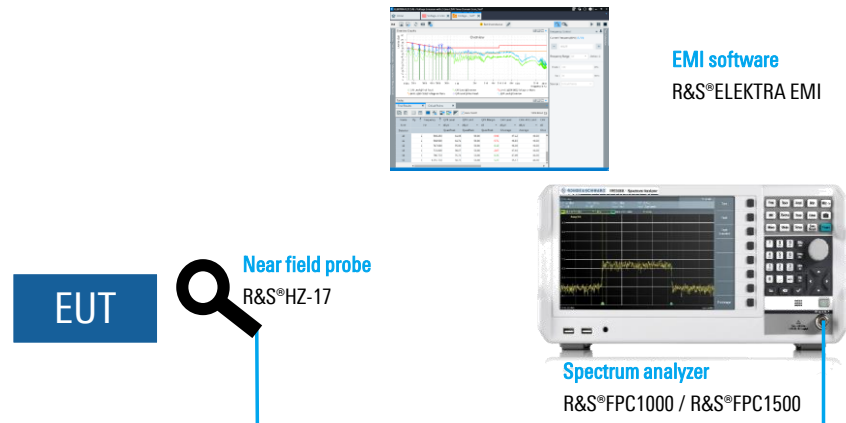
For prices and more information, visit
www.rohde-schwarz.com/product/FPC

Conducted emission setup



For line-conducted interference measurement. The setup analyzes the level of RF energy coupled from the EUT to the mains supply.

Radiated emission setup



Radiation emission testing uses near field probes for detection. This setup uses H field probes to measure EMI radiation from the EUT.

Package	Item
Description	R&S®FPC1000 spectrum analyzer, 5 kHz to 1 GHz R&S®FPC-B22 preamplifier R&S®FPC-K43 EMI receiver mode
	R&S®FPC-EMI1 R&S®FPC-IOT1

Popular accessories	Item
Description	Near field probe set, 30 MHz to 3 GHz
	R&S®HZ-17
	R&S®ELEKTRA EMI test package with R&S®EMCPC license dongle
	R&S®ELEMI-EP

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