



EMI DEBUGGING SOLUTION

Featuring the R&S®FPC1000 spectrum analyzer



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 |
| R&S®HZ-17 near-field probe | |
| Frequency range | 30 MHz to 3 GHz |

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 |



Scan the QR code
for more information on EMI debugging

Recommended EMI debugging solution for conducted + radiated measurement



| Description | Item |
|--|-------------------------------|
| Conducted + radiated measurement kit | 1328.6660B01 |
| 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 | Item |
|--|-------------------------------|
| Conducted 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 | Item |
|--|-------------------------------|
| 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 | Item |
|------------------|-------------|
| SSD hard disk | R&S®RTE-B18 |

| Hardware options | Item |
|--|--------------|
| Wi-Fi connection support ¹⁾ | R&S®FPC-B200 |

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|-----------------------|-------------|
| Modulation analysis | R&S®FPC-K7 |
| Advanced measurements | R&S®FPC-K55 |

| Accessories | Item |
|-------------------|--------------|
| 19" rackmount kit | R&S®ZZA-FPC1 |

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| Near-field probes, 30 MHz to 3 GHz | R&S®HZ-15 |
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| Amplifier for HZ-15/HZ-17, 100 kHz to 3 GHz, 20dB | R&S®HZ-16 |
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| Carrying case | R&S®RTB-Z3 |
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¹⁾ 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.