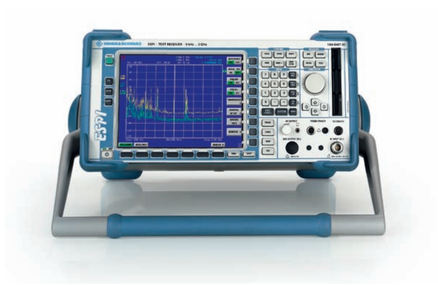
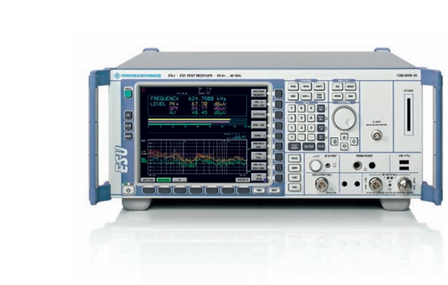
High-Quality Equipment for Your EMI Demands

Group of equipment			Industrial, scientific and medical equipment	Vehicles with combustion engines, remote/built-in radio reception	Sound and TV broadcast receivers	Electrical devices, household appliances and tools	Fluorescent lamps and luminaires	Information technology and telecommunications equipment (ITE)	Military equipment and systems	Generic emission standards	Mains signaling equipment	Cabled distribution systems TV/sound	Professional audio/video equipment	Professional audio/video equipment	Electric railways	Medical electrical apparatus	Maritime navigation equipment	Low-voltage switchgear and control gear	Telecom systems of large dimensions	Short range devices (SRD) 9 kHz to 40 GHz	PMR equipment, DECT equipment	Generic EMC standard for radio equipment	ERMES paging receivers	GSM 900 MHz GSM 1800 MHz	Fixed radio links	Equipment for telecommunications networks	Wireless microphones and similar equipment	Second generation cordless telephones (CT2)	VHF FM broadcasting transmitters	VSAT, SNG and TES equipment	CB radio and ancillary equipment	On-site and wide-area paging equipment	Commercially available amateur radio equipment	2.6 GHz wideband transmission and HIPERLAN	TETRA and ancillary equipment	VHF maritime mobile radio telephone	1.5 GHz receive-only MES for data communications	1.5/2/2.5 GHz MES for satellite GSM	<1 GHz MES with LBRDC using LEDs	**Legend**
Standards			International Europe and Germany Japan USA	CISPR 11; EN 55011 VDE 0875 Part 11 EACI. Sect. 2 FCC Part 18, Subpart C	CISPR 12/CISPR 25; ECE 10 DIR 95/54/EC; DIR 2004/104/EC EN 55012, VDE 0879 Part 1, 2, 3 JASO 1001-82; SAE J 551, J 1113	CISPR 13; EN 55013 VDE 0872 Part 13 EACI. Sect. 3&8 –	CISPR 14-1; EN 55014-1 VDE 0875 Part 14 EACI. Sect. 5 –	CISPR 15; EN 55015 VDE 0875 Part 2/15-1 EACI. Sect. 6&7 –	CISPR 22 EN 55022 EACI. Sect. 4 FCC Part 15, Subpart B	VG 95370, 95373 – MIL-STD-461 DEF-STAN 59-411 (UK)	EN 61000-6-3/4	EN 50065-1	EN 50083-2	EN 50091-2	EN 55103-1	EN 50121-x	EN 60601-1-2	EN 60945	EN 60947-x-x	EN 3001127	EN 300220, 330, 440 EN 3014489-3	EN 3014489-5 EN 3014489-6	EN 300339 EN 3014489-1	ETS 300340	EN 3014489-7	EN 300385 EN 3014489-4	ETS 300386-1 EN 300 386-2	EN 3014489-9	EN 3014489-10	EN 301489-11 EN 302018-2 ETS 300394/447	EN 3014489-12	EN 3014489-13	EN 300741 EN 3014489-2	EN 3014489-15 EN 301783-2	EN 3014489-17	EN 3014489-18	EN 3018432-2	EN 3014489-19	EN 300831 EN3014489-20	EN 300832 EN 301721	
Frequency range	**Test receivers**	**Accessories and extras**																																				
From 20 Hz	R&S®ESIB R&S®ESU	R&S®EZ-17 Current Probe							●																													Current probe 5 Hz to 2 MHz/20 Hz to 100 MHz
		R&S®HZ-10 H-Field Pickup Coil							●					●																								Shielded, calibrated field pickup coil 5 Hz to 10 MHz
From 9 kHz	R&S®ESCI	R&S®EZ-17 Current Probe	○	○	○	○	○	●	●		○	○									●																	Current probe 20 Hz to 100 MHz
	R&S®ESIB	R&S®EZ-25 150 kHz Highpass	○	○	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Passband 150 kHz to 30 MHz
	R&S®ESPI [1]	R&S®HZ-10 H-Field Pickup Coil							● [4]					●																								Shielded, calibrated field pickup coil 5 Hz to 10 MHz
	R&S®ESU	R&S®HFU-Z Tripod	●						● [5]						●		●				●																	Tripod for R&S®HFH2-Z2 loop antenna
	R&S®ESL [1]	R&S®HFH2-Z2 Loop Antenna	●						● [5]						●		●				●																	Active loop antenna 9 kHz to 30 MHz
		R&S®HZ-1 Tripod							●																													Tripod for R&S®HFH2-Z6 rod antenna
		R&S®HFH2-Z6 Rod Antenna		●					●																													Active rod antenna 9 kHz to 30 MHz
		R&S®ESH2-Z5 V-Network	●		●	●	●	●	● [6]	●	● [9]	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	V-network up to 25 A, 4-line LISN
		R&S®ESH3-Z6 V-Network		●					●													●	●		●		●	●		●	●								V-network up to 150 A (500 A), single-phase LISN
		R&S®ENV216 V-Network	●		●	●	●	●	● [6]	●	● [9]	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	V-network up to 16 A, 2-line LISN
		R&S®ENV4200 V-Network	●		●	●	●	●		●	● [9]	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	V-network up to 200 A, 4-line LISN, from 150 kHz
		R&S®ENY21 Coupling Network						●																														2-wire ISN from 150 kHz
		R&S®ENY41 Coupling Network						●																														4-wire ISN from 150 kHz
		R&S®ENY81 Coupling Network						●																														8-wire ISN from 150 kHz
		R&S®ESH2-Z2 Voltage Probe	●		●	●	●	●		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Active probe for RFI voltage measurement
		R&S®ESH2-Z3 Voltage Probe	●		●	●	●	●		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Passive probe for RFI voltage measurement
		R&S®EZ-12 Antenna Imp. Converter		●																																		Antenna impedance converter 9 kHz to 30 MHz
		R&S®HZ-11 Probe Set	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Near-field probe set 100 kHz to 2 GHz
		R&S®HZ-14 Probe Set	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Near-field probe set 9 kHz to 1 GHz
		R&S®HM020 Triple-Loop Antenna	○				●									○					○																	Triple-loop antenna 9 kHz to 30 MHz
		R&S®HZ-3/HZ-4 RF Cable	○		○	○	○	○	○																													Low-loss coaxial cables 3 m/10 m
		R&S®HZ-9 Power Supply	●	●					●						●		●				●																	Power supply for R&S®HFH2-Z1/-Z2/-Z6 active antennas
From 30 MHz	R&S®ESCI	R&S®EZ-17 Current Probe	○	○	○		○	○	●	●	○		○								●																	Current probe 20 Hz to 100 MHz
	R&S®ESIB	R&S®ESV-Z1 Current Probe	○	○	○		○	○	●	○	○																											Current probe 20 Hz to 600 MHz
	R&S®ESPI [1]	R&S®MDS-21 Absorbing Clamp	●	●	○	●		○		●	●	●		●																								Absorbing clamp 30 Hz to 1000 MHz
	R&S®ESU	R&S®HZ-11 Probe Set	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Near-field probe set 100 kHz to 2 GHz
	R&S®ESL [1]	R&S®HZ-14 Probe Set	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Near-field probe set 9 kHz to 1 GHz
		R&S®HZ-15 Probe Set	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Near-field probe set 30 MHz to 3 GHz
		R&S®HK116 Biconical Antenna	●	●	●		●	●	●	●	●		●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Biconical antenna 30 MHz to 300 MHz
		R&S®HL223 Log-Periodic Antenna	●	●	●		●	●	● [7]	●	●		●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Log-periodic antenna 200 MHz to 1300 MHz
		R&S®HL562 Ultralog Antenna	●	●	●			●		●			●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Biconical hybrid antenna 3 MHz to 3 GHz
		R&S®HZ-1 Tripod							●																													Tripod for R&S®HK116, R&S®HL223
		R&S®HFU2-Z4/-Z5 RF Cable	●	●	●		●	●		●	●		●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	RF connecting cable 12 m / 7 m, common-mode suppression
From 1 GHz	R&S®ESCI R&S®ESIB R&S®ESPI [1] R&S®ESL [1] R&S®ESU	R&S®HL050, R&S®HF907 Antennas	●		●			●			●										●																●			Directional antenna 1 GHz to 18 GHz, e.g. log-periodic antenna, or double-ridged waveguide horn antenna
		Further antennas on request							●																														
From 3 GHz	R&S®ESIB R&S®ESL6 [1] R&S®ESU	R&S®HL050, R&S®HF907 Antennas	●		●			●			●										●																●			Directional antenna 1 GHz to 18 GHz, e.g. log-periodic antenna, or double-ridged waveguide horn antenna
		Further antennas on request							●																														
From 6 GHz	R&S®ESIB R&S®ESU	R&S®HL050, R&S®HF907 Antennas	●		●			● [2]			●										●																●			Directional antenna 1 GHz to 18 GHz, e.g. log-periodic antenna, or double-ridged waveguide horn antenna
		Further antennas on request			●				●																														
From 18 GHz to 40 GHz	R&S®ESIB40 R&S®ESU	Accessories						● [2]	● [10]		●										●																●			Double-ridged waveguide horn antenna
		Further antennas on request																																				

Products



R&S®ESPI Test Receiver



R&S®ESU EMI Test Receiver

R&S®ENV216 Two-Line V-Network

R&S®MDS-21 Absorbing Clamp,
R&S®EZ-24 Ferrite Clamp

R&S®ESCI EMI Test Receiver

R&S®ESL EMI Test Receiver

R&S®HL050 Log-Periodic Antenna

R&S®ENY Coupling Networks

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PD 5213.6635.82 V02.00

Legend

● *Necessary accessory.*
○ *Recommended extra.*
[1] *R&S®ESPI and R&S®ESL have limited compliance with CISPR 16-1-1.*
[2] *For FCC Part 15 only.*
[4] *VG up to 200 kHz.*
[5] *VG.*
[6] *VG, MIL, MIL-STD-461D, MIL-STD-461E.*
[7] *VG, DEF-STAN.*
[8] *MIL-STD-461C.*
[9] *See R&S®EZ-25.*
[10] *For MIL-STD-461 only.*