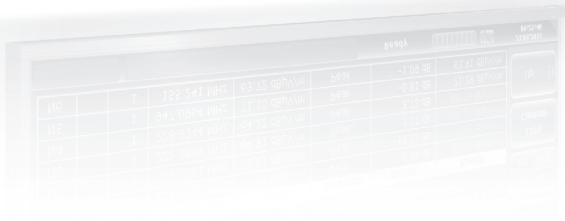


R&S® R&S® FSV-K54

EMI Measurement

Application

Specifications



The specifications of the R&S®FSV-K54 application firmware are based on the specifications of the R&S®FSV signal and spectrum analyzer and of the R&S®FSVR real-time spectrum analyzer.

Specifications apply under the following conditions: 30 minutes warm-up time at ambient temperature, specified environmental conditions met, calibration cycle adhered to, and all internal automatic adjustments performed. "Typical values" are designated with the abbreviation "typ.". These values are verified during the final test, but are not assured by Rohde & Schwarz. "Nominal values" are design parameters that are not assured by Rohde & Schwarz. These values are verified during product development, but are not specifically tested during production. Data without tolerance limits is not binding.

EMI measurements

Frequency

Frequency axis		
Scale		linear, logarithmic

Resolution bandwidths

EMI filters		
Bandwidths (-6 dB)		10 Hz, 100 Hz, 200 Hz, 9 kHz, 10 kHz, 100 kHz, 120 kHz, 1 MHz
Bandwidth uncertainty		< 3 %, nominal
Shape factor 60 dB:3 dB		< 6, nominal

Level

Level display		
Number of traces	selectable, displayed in parallel	1 to 6
Trace detectors		individually selectable for each trace
Standard detectors		Max Peak, Min Peak, Auto Peak (Normal), Sample, RMS, Average
EMI detectors		Quasi-peak, RMS-average, CISPR-average
Measurement marker detector		Max Peak, Average, Quasi-peak, RMS-average, CISPR-average

Measurements

Measurement marker	Data displayed	Data representation
Automatic marker peak search	frequency, level	table
Measurement with configurable detector on marker frequency	level	table
Limit check	delta level to limit line	table, color-coded limit check

Ordering information

Designation	Type	Order No.	Remarks
EMI Measurement Application	R&S®FSV-K54	1310.0425.02	
Signal and Spectrum Analyzer	R&S®FSV3	1307.9002.03	
Signal and Spectrum Analyzer	R&S®FSV7	1307.9002.07	
Signal and Spectrum Analyzer	R&S®FSV13	1307.9002.13	
Signal and Spectrum Analyzer	R&S®FSV30	1307.9002.30	
Signal and Spectrum Analyzer	R&S®FSV40	1307.9002.39	
Signal and Spectrum Analyzer	R&S®FSV40	1307.9002.40	
Real-Time Spectrum Analyzer	R&S®FSVR7	1311.0006.07	
Real-Time Spectrum Analyzer	R&S®FSVR13	1311.0006.13	
Real-Time Spectrum Analyzer	R&S®FSVR30	1311.0006.30	
Real-Time Spectrum Analyzer	R&S®FSVR40	1311.0006.40	
Recommended options and extras			
EMI Software	R&S®ES-SCAN	1308.9270.02	
Audio Demodulator	R&S®FSV-B3	1310.9516.02	retrofit in service center
Additional Interfaces	R&S®FSV-B5	1310.9539.02	IF out, video out, AUX port, trigger out, 2 × USB
See also the specifications for the R&S®FSV signal and spectrum analyzer (PD 5214.0499.22) and the R&S®FSVR real-time spectrum analyzer (PD 5214.3381.22).			

For product brochure, see PD 5214.5661.12 and www.rohde-schwarz.com