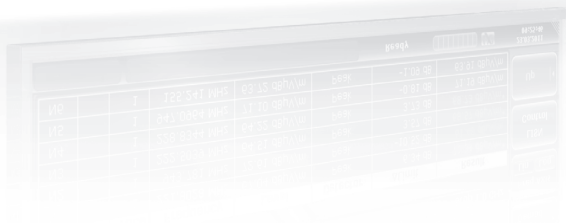


# R&S® R&S® FSV-K54

## 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	
<b>Recommended options and extras</b>			
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](http://www.rohde-schwarz.com)

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- | Customized and flexible
- | Uncompromising quality
- | Long-term dependability

## About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

## Environmental commitment

- | Energy-efficient products
- | Continuous improvement in environmental sustainability
- | ISO 14001-certified environmental management system

Certified Quality System  
**ISO 9001**

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