



R&S® FPH/ZPH-K105 EMF MEASUREMENT APPLICATION

For frequency selective measurements

The perfect choice for

Spectrum/health regulators

Communications operators

Field maintenance contractors

University/research organizations



Professional EMF measurements with a simple setup

- ▶ Easy configuration via R&S®InstrumentView (free software)
- ▶ Automatic measurement of one or more frequencies/channels
- ▶ ICNIRP limit lines are predefined and user-definable limit lines can also be used
- ▶ Easy analysis with chart display
- ▶ Easy report generation for documentation

Measurement functions	
Isotropic measurements	Yes, with R&S®TS-EMF antenna
Antenna factors	Preloaded and configurable using R&S®InstrumentView software
Exposure time setting	Yes
Exposure limit display	Percent (%), ratio (E^2/L^2), permille (‰), parts per million (ppm)
Number of exposure limits	2

Your benefit	Features
Save time in the field	<ul style="list-style-type: none"> ▶ Use R&S®InstrumentView to preconfigure measurements before heading to the field <ul style="list-style-type: none"> – Multiple frequencies – Multiple channels – Set exposure time in line with requirements
Easy and flexible analysis and documentation	<ul style="list-style-type: none"> ▶ Add ICNIRP, ITU or local limits before or after measurements ▶ View results using the analyzer ▶ View results using the R&S®InstrumentView software ▶ Generate customizable reports
One-stop shop for isotropic or directional antennas	<ul style="list-style-type: none"> ▶ Isotropic antenna: R&S®TS-EMF ▶ Directional antenna: R&S®HE400 series, R&S®HE800-PA

Customizable report generation

Overview Setup **Export**

Report Content

Average Results

Max Results

RMS Results

Min Results

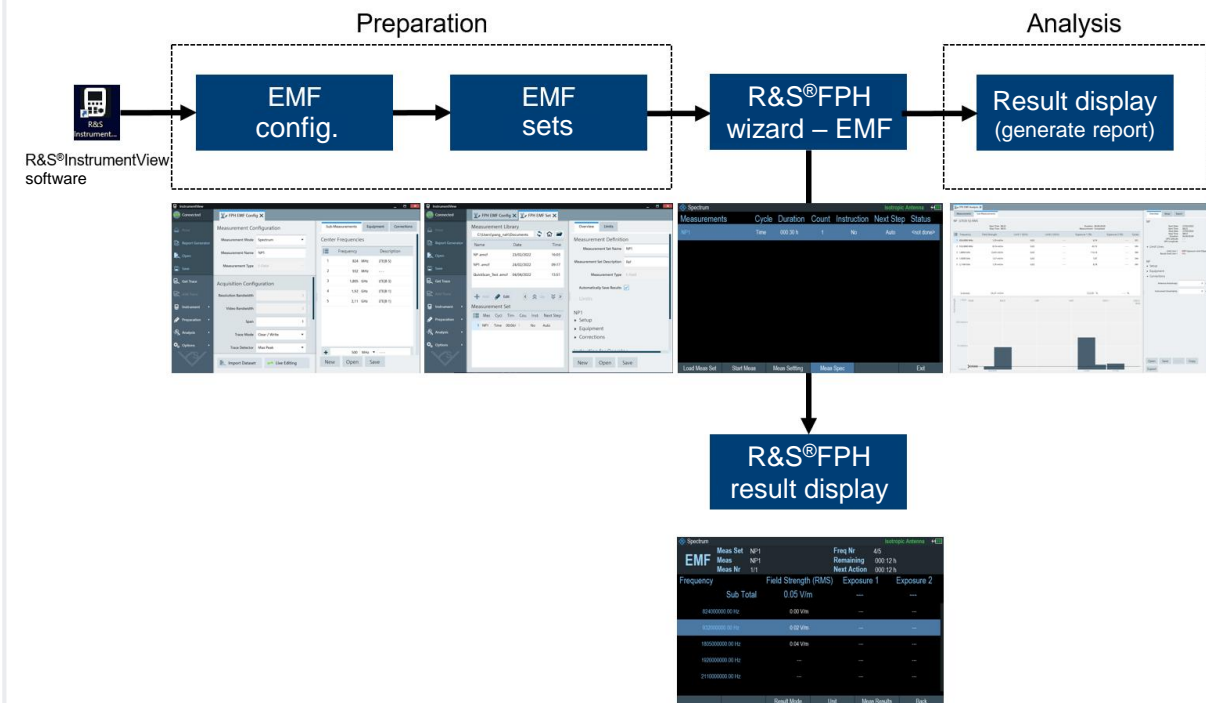
General Information

Measurement Settings

Data Tables

Graphics

EMF measurement workflow with the R&S®FPH/ZPH-K105 option



Preconfiguration steps and measurement workflow

Popular accessories

Description	Item
Portable EMF measurement system, hardcase	R&S®TS-EMF
Isotropic antenna, 30 MHz to 3 GHz for R&S®TS-EMF	R&S®TSEMF-B1
Isotropic antenna, 700 MHz to 6 GHz for R&S®TS-EMF	R&S®TSEMF-B2
Isotropic antenna, 700 MHz to 8 GHz for R&S®TS-EMF	R&S®TSEMF-B2E
Isotropic antenna, 9 kHz to 200 MHz for R&S®TS-EMF	R&S®TSEMF-B3

Feature highlights

- ▶ Perform automatic measurements with the EMF wizard
- ▶ Set exposure time, e.g. 6 minutes per frequency point
- ▶ Preview results from the analyzer
- ▶ View consolidated and individual measurement results
- ▶ View results as a bar chart
- ▶ Add exposure limits before or after measurements
- ▶ Generate customized reports