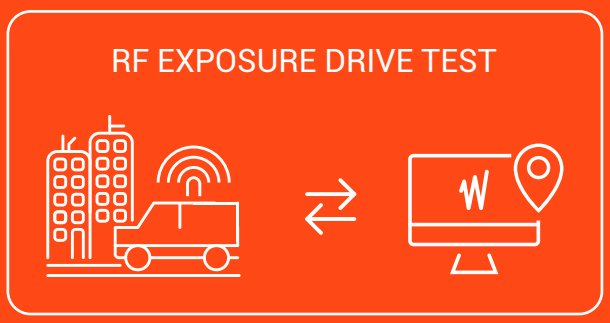
MapEM

RF Electromagnetic Field Level Maps

The MapEM system consists of a MonitEM monitoring device and a control software. It allows the creation of a comprehensive map of electromagnetic field levels covering a large area, such as a city.

The monitoring device can be easily installed on a vehicle to measure the electric field strength (V/m) as it drives around the streets, providing a clear view of the RF field levels throughout the area.



ITU-T K.113

Compliance with ITU-T K.113

COMPREHENSIVE ASSESSMENT
of electromagnetic radiation at street level in large areas (cities).

YEAR-ON-YEAR COMPARISON
to assess developments in electromagnetic fields depending on changes to infraestructure or technology.

DETECTION OF SENSITIVE POINTS
with high radiation to take corrective measures.

VISUAL COMMUNICATION TOOL
to allow simple presentation of the public's exposure to electromagnetic fields

WAVECONTROL
Safety, Quality, Service

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HOW DOES IT WORK?

MonitEM on Vehicle

Electromagnetic Mapping Software

Technical specifications

Measurement equipment

Sensor type	Isotropic, RMS
Frequency range	Depending on field probe (see next page)
Probe system	Interchangeable, 100 kHz to 60 GHz
Sampling frequency	1 measurement per second
Calibration	ISO 17025 accredited
Operating temperature	- 25 ºC to + 60 ºC

Mechanical properties

Dimensions	70 x 40 x 8 cm
Weight	8 Kg
Environmental protection	IP66
Installation kit	Magnetic base Easily installation and removal from vehicle roof

Operating characteristics

Data transfer	External USB connector
Memory	Micro SD (1 GByte) + Eeprom
Power supply	12 Volt DC connected to vehicle and internal battery
Software	Compatible with Windows O.S.
Results	Display software / database

Results

Display software	Display interface that superimposes measurement levels on the map
Coding	Editable scale: by colour and values
Data downloading	Georeferenced data in Access, KML, or CSV format
Exportation	Level map images in JPG format

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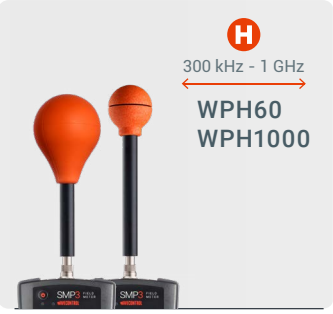
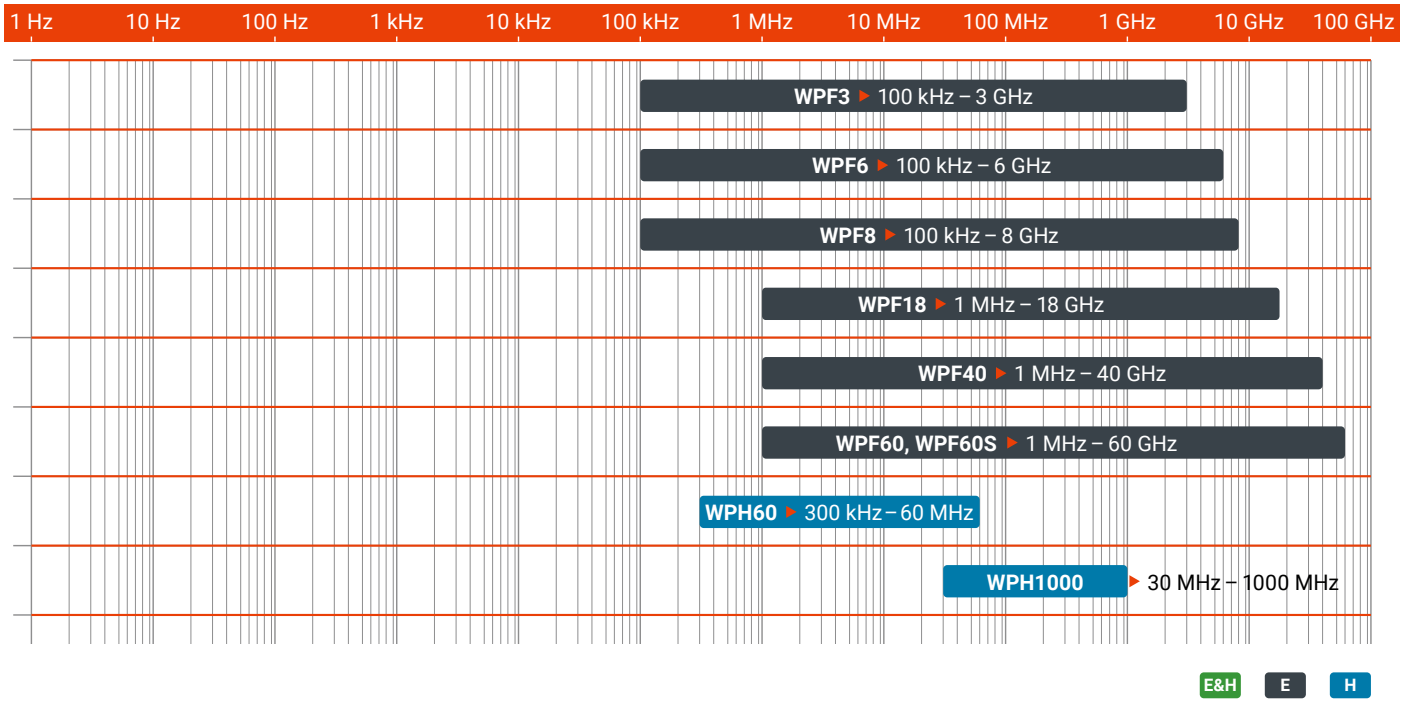
RF Electromagnetic Field Level Maps. Compatible Field Probes

Wavecontrol provides a full range of E-Field and H-Field probes covering different frequency ranges starting at 100 kHz and up to 60 GHz.

Probes are plug and play and come with an individual ISO 17025 accredited calibration. All sensors are isotropic, RMS and highly accurate.



Frequency range of compatible field probes



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