



# MapEM Electromagnetic Maps

## Comprehensive Large Area Electromagnetic Map

The MapEM system allows creation of a comprehensive map of electromagnetic field levels covering a large area, such as a city.

The device can be easily installed on a vehicle to measure the intensity of the electric field (V/m) as it drives around the streets, eventually providing a "snapshot" of electromagnetic radiation levels throughout the area.

### DRIVE TEST WITH MONITEM



**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 infrastructure 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.



## MONITEM Applications. Measurement of EMF radiation in:



Industry



Telecommunications



Powerline



Defense



Medical

## HOW DOES IT WORK?



Car



MonitEM



Electromagnetic Map

## Technical specifications

<b>Sensor type</b>	Isotropic, RMS
<b>Frequency range (customizable)</b>	High frequencies: 100 kHz – 8 GHz
<b>Measurement range</b>	Mobile telephones: GSM, UMTS, LTE
<b>Sampling frequency</b>	0.2 – 100 V/m
<b>Calibration</b>	1 measurement per second
<b>Operating temperature</b>	By a laboratory with ISO 17025 accreditation

## Technical specifications

<b>Dimensions</b>	70 x 40 x 8 cm
<b>Weight</b>	8 Kg
<b>Environmental protection</b>	IP66
<b>Installation kit</b>	Magnetic base Easily installation and removal on vehicle roof

## Technical specifications

<b>Data transfer</b>	External USB connector
<b>Memory</b>	Micro SD (1 GByte) + Eeprom
<b>Power supply</b>	12 Volt DC connected to vehicle and internal battery
<b>Software</b>	Compatible with Windows O.S.
<b>Vehicle speed</b>	0 a 60 km/h (recommended)
<b>Results</b>	Display software / Results database

## Technical specifications

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