

MonitEM-Lab



Monitoring of Electromagnetic Fields (EMF)

A permanent monitoring system that allows on-going scrutiny of the emission levels of electromagnetic radiation sources (cellular antennas, RF equipment and radiators, etc.) and verification that they meet the safety standards established by the competent authorities and regulations in each country.



Compliance with ITU K.83



Ready for 5G measurements



24/7 MONITORING
of electromagnetic fields in facilities, laboratories, etc.

BROADBAND MEASUREMENTS
for an easy assessment of EMF human exposure.

CONTROL CENTRE
with web interface for remote management of monitoring stations and display of EMF levels through Intranet/Internet.

EASY TO INSTALL
stand-alone or to wall.

ALARMS
Realtime, audible and visual alarms.

ITU-T K.83 RECOMMENDATION
Compliant to ITU monitoring guidance.



Visual alarm

MonitEM-Lab Applications. Measurement of EMF radiation in:



Telecommunications



Laboratories



Defense



Industry



Medical

HOW DOES IT WORK?



Emission Source



MonitEM



Online Control Centre



Technical Specifications

Sensor type	Isotropic, RMS. Simultaneous 3-axis measurement
Probe system	Interchangeable, 100 kHz to 60 GHz
Sampling frequency	500 ms
Averaging	6-minute or custom sliding window
Data retention period	Online: 1 minute to 60 minutes Offline: 1 second to 60 minutes
Memory	Eeprom + MicroSD card
Communications	Ethernet
Operating log	Temperature, communications, power supply, operating modes, etc.
Power supply	AC 110-220V
Watchdog	Smart power control unit with ON/OFF button
Dimensions	445 x Ø120 mm (17.5 x Ø4.72 in.)
Weight	2.4 kg
Environmental protection	Not yet available
Installation kits	Wall, mast or tripod
Alarms	Audible and visual alarm (configurable). The sound can be stopped by an external switch.

Control centre (optional)

Platform	On server with internet/intranet access
Administration interface	Web browser
Public interface	Web browser
Remote alarms	Field level, calibration, communication error, probe error, temperature
Customization	Language, client's logo, general information
Reports	Automatic PDF, CSV reports sent by e-mail
Compatibility	Management of data from MonitEM units and portable SMP2 device

Additional services

Warranty extension:

The 2-year standard warranty can be extended to 3, 4 or 5 years.

Calibration plans:

Plan future calibrations now for 24 and 48 months with further discounts.

Update plans:

Keep the system up to date with the latest firmware versions and software development.

Training courses:

EMF theory and practical sessions at Wavecontrol or the client's offices.

Product specifications and descriptions in this document subject to change without notice