

MonitEM-Lab



Indoors electromagnetic field monitoring

- Indoors 24/7 monitoring of electromagnetic field levels.
- Used in Labs, Manufacturing and other facilities to check emitters performance, warn of unwanted emissions and verify human safety levels.
- Measurements can be locally stored or remotely managed.



Compliance with ITU K.83



Ready for 5G measurements

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

BROADBAND MEASUREMENTS
from 100 kHz to 90 GHz depending on the field probe

CONTROL CENTER
remote system & data management

ETHERNET COMMUNICATION

EASY TO INSTALL
stand-alone or mount to a wall

VISUAL AND AUDIBLE ALARMS
Real-time alarms

ITU-T K.83 / 5G READY
K.83 compliant and ready for the monitoring of 5G bands



Visual alarm

MonitEM-Lab Applications. Measurement of EMF radiation in:



Telecommunications



Laboratories



Radar/Aerospace



Industry



Medical

HOW DOES IT WORK?



Emission Source



MonitEM-Lab



Control Center



Technical specifications

Sensor type	Isotropic, RMS. Simultaneous 3-axes measurement
Probe system	Interchangeable, 100 kHz to 90 GHz
Sampling frequency	500 ms
Averaging	6-minute or custom sliding window
Data retention period	Online: from 1 to 60 minutes Offline: configurable from 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 Ø 120 mm (17.5 x Ø 4.72 in.)
Weight	2.4 kg
Environmental protection	Not yet available
Installation kits	Wall, mast or tripod
Alarms	Audible and visual alarms (configurable). The sound can be stopped by an external switch.

Control Center (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/SMP3 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.



MonitEM-Lab

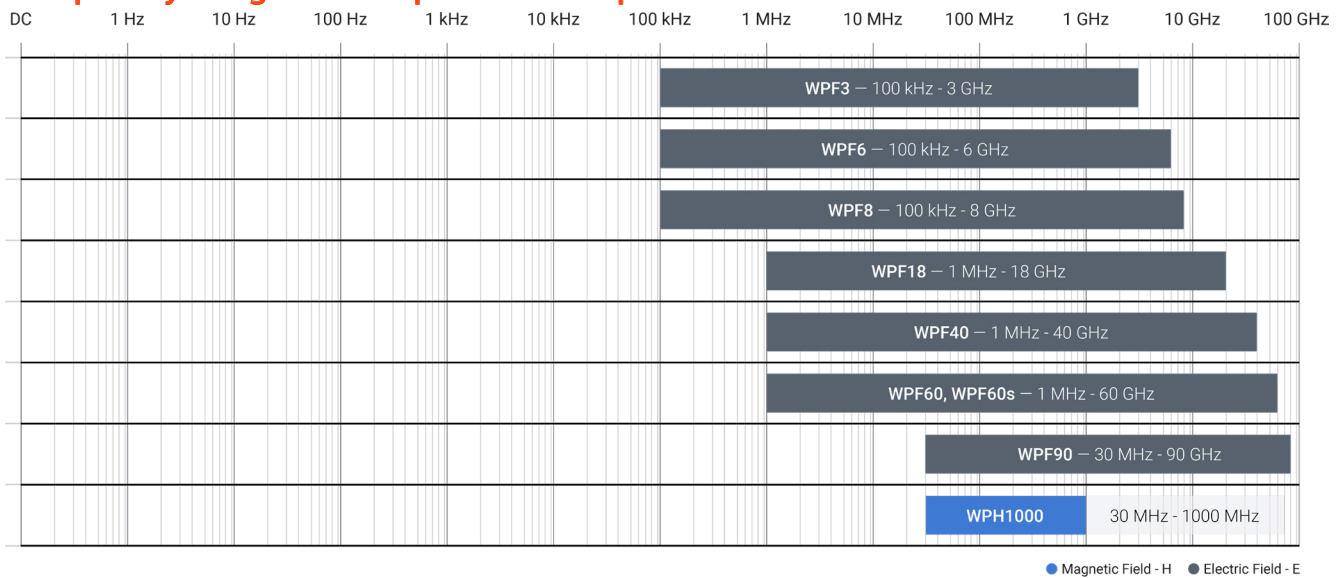
Compatible field probes

Wavecontrol provides a full range of E-Field, H-Field and E&H Field probes covering different frequency ranges starting at 10 Hz and up to 90 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



Control Center (optional)

MonitEM devices can be optionally used together with a web server using software that is unique on the market and allows:

- Management and configuration of equipment
- Data reception, consultation and storage
- Report generation and automatic delivery
- Display of photographs and diagrams
- User friendly, with Google Maps positioning

