WAVECONTROL

Monitoring electromagnetic fields (EMF) in modern connected societies with advanced digital services is crucial to ensure safety and regulatory compliance

NEW

MonitEM-IoT

Next generation of Continuous

ELECTROMAGNETIC FIELD
Area Monitoring

Continuous RF Monitoring 24/7

Real Time Alarms

Management & Control

Visualization & Communication

Smart Cities, Industry 4.0, and many other connected services rely on various wireless communication technologies that emit electromagnetic fields (EMFs). While such technologies are essential for any modern society, it is important to take care of human exposure to EMFs.

Wavecontrol new solution, MonitEM-IoT, allows for a comprehensive assessment of EMF human exposure, ensuring that technological advancements do not come at the expense of public safety.

Exposure Measurements

Isotropic sensors
Electric field up to 8 GHz

Real Time alarms

Continuous RF monitoring 24/7
Alarms management

Out-of-the-Box

Small size
Easy to install
No maintenance

Easy to install and Setup

Several mounting options
Start up through App
Ready for large scale projects

IoT/PoE connectivity

Wireless LTE-M/Nb-IoT or Ethernet

Control Centre

Setting monitoring stations
Manage exposure alarms
Automatic reporting
Visualization (admin/public)

No Maintenance

A battery-powered device with long-lasting batteries, requiring no AC wiring or solar panels for operation, offers simple, self-sufficient power with no maintenance
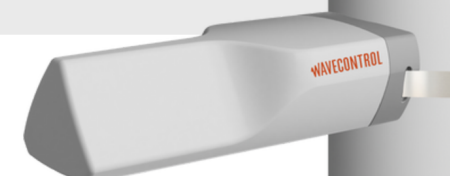
Reduced Size

Minimize visual impact
Easy installation

According to International standards

ITU K.83
ICNIRP 2020

Specifications

Models

Model	MonitEM-IoT-N-RF8	MonitEM-IoT-E-RF8
Part Number	WMT0200	WMT0201

Performance

Frequency range	500 kHz - 8 GHz	5 MHz - 8 GHz
Sensor type	Electric field isotropic (3 axis) RMS diode technology	
Type of frequency response	Flat	
Measurement range	0.7 - 250 V/m	
Frequency response	± 1.5 dB (1 MHz – 6 GHz)	

Measurements

Measurements/day & comms	Configurable by user
Time averaging	6 min/30 min – configurable by user
Measurements Backup Memory	>1 month in case of no communication
Programmable alarms	Field level, low battery, communication error

Power & Communications

Power	Battery (battery life >3 years)	Power Over Ethernet (POE)
Wireless communications	Wireless communications LTE-M/Nb-IoT	Ethernet
Local setup	NFC with smart phone App	
Installation kits	Wall, mast or tripod	

Control Centre

	Settings, control, alarm management, visualization, reports, and communication Compatible with: MonitEM-IoT, MonitEM, MonitEM-LAB, SMP3 meter

Compliance

	According to standards: ITU-T K83, ICNIRP2020

General

Temperature range	- 20 ºC to 50 ºC
Dimensions	24,0 x 7,5 x 6,0 cm
Weight	550g
Environmental protection	IP65

For more information about electromagnetic field measurement equipment, or any of Wavecontrol's EMF and personal safety devices and software, start a conversation with a member of our team today.

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