



# EME Guard XS 71 GHz

An EMF Monitoring Device to Alert Workers Near Antennas



## SOLUTION FOR

- Accurate measurement with tri-axis sensors
- Instant audio and visual alarm
- Robust, reliable and user-friendly
- Measurements up to 71 GHz

## MAIN FEATURES

### User profile

- Persons working near antennas including installation and maintenance workers, broadcast, PMR and mobile phone operators or regulatory body employees

### Measurement capabilities

- Continuous monitoring of Electromagnetic Field levels with isotropic tri-axis E-field sensors
- EMF Level indicated by a LED color scale
- Audio and visual alarms triggered when EMF exceeds the reference level

### Frequency bands

- 1 MHz – 71 GHz

### Safety recommendations

- ICNIRP 2020
- FCC 96-326
- Safety Code 6 2015
- 2013/35/UE

## PRODUCT CONFIGURATION

### Equipment

- EME Guard XS 71 GHz
- MVG Case
- Wrist strap
- Lanyard
- Connecting adapter
- Armband
- 2 x 1.5 V Size N Alkaline batteries
- Instructions for use

### Services

- Initial calibration
- Additional calibration
- Extended warranty

## TECHNICAL CHARACTERISTICS

Probe	Isotropic 3-axes probe
Frequency range	1 MHz - 71 GHz
Lower detection limit	5 V/m
Upper detection limit	350 V/m

## MEASUREMENT UNCERTAINTY

Frequency response	0.001 - 1 GHz: +1 / +7 dB
	1 - 1.6 GHz: -7 / +2 dB
	1.6 - 7 GHz: -4.5 / +2.5 dB
	7 - 19 GHz: -2.5 / +7 dB
	19 - 40 GHz: 0 / +11 dB
	40 - 50 GHz: -5 / +7 dB
	50 - 60 GHz: -3 / +5 dB
60 - 71 GHz: -7 / +1 dB	
Axial isotropy	100 MHz : +/- 0.5 dB
	2650 MHz : +/- 1 dB
	5500 MHz : +/- 1 dB

## ALARM & CONFIGURATION

Visual alarm	7 LEDs
Audio alarm	2 tones
Low battery indicator	Orange flashing LED

## MEASUREMENT CONFIGURATION

Measurement period	1 sec
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## CONDITIONS FOR USE

Temperature, humidity	-10°C to 50°C,
	85% max humidity
Battery	2 x 1.5 V Size N Alkaline removable batteries
Battery life	> 1000 hours (> 50 days) <sup>(1)</sup>

## MECHANICAL CHARACTERISTICS

Dimensions	132.5 x 48.5 x 28.7 mm (LxWxH) without connecting adapter
Weight	120 g with batteries

(1) If no alarm is triggered



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