



EME Guard XS 71GHz

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
- Covers 5G / 6G bands, measuring 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
- Safety Code 6 2015
- FCC 96-326
- 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) ⁽¹⁾

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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