MVG Microwave Vision Group

YOUR RF SAFETY IS OUR

Stay Safe on the Job

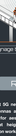
Monitoring RF Exposure for Professionals in Various Fields

With the increasing demand for wireless communication, the deployment of antenna infrastructure and radar technology, has become more prevalent to meet coverage and capacity requirements. These installations are commonly found on top of buildings or antenna towers but can also be concealed in structures such as chimneys, imitation trees, or streetlights. For technicians who work near these antennas, whether visible or hidden, an RF safety personal protection monitor (PPM) will alert them when EMF levels exceed recommended safety thresholds. With a PPM, they will be safe and secure regarding EMF emissions no matter where they may be working.

Rooftop technicians

Tower climbers

Signage technicians



Workers near radars

Rooftop technicians

To support 5G network connectivity, more antennas are being installed. While some antennas are placed in visible locations such as rooftops, others are disguised for aesthetic, regulatory, or public relations reasons. As a result, workers at height such as antenna technicians, first responders, and construction workers, may be unaware of their proximity to EMF emission sources while on the job. To ensure their safety, workers can use an RF Safety PPM that alerts them if EMF levels exceed recommended limits, ensuring they are more secure at work anywhere.

RECOMMENDED PRODUCTS

EME Guard XS 48 GHz

- Accurate measurement with tri-axis sensors
- Visual alarm 1 LEDs
- Instant audio & visual alarms
- Continuous monitoring of EMF levels up to 48 GHz
- Compatible with FCC 96-326 and CENELEC 2050
- Ruggedized design for all weather conditions

https://mvg.link/eme_guard_xs_48ghz

EME Guard XS 71 GHz

- Accurate measurement with tri-axis sensors
- Visual alarm 7 LEDs
- Instant audio & visual alarms
- Continuous monitoring of EMF levels up to 71 GHz
- Compatible with FCC 96-326 and CENELEC 2050
- Ruggedized design for all weather conditions

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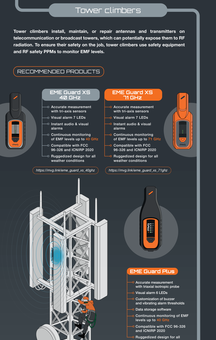

EME Guard Plus

- Accurate measurement with tri-axis sensors
- Visual alarm 7 LEDs
- Customization of buzzer and strobing alarm thresholds
- Data storage software
- Continuous monitoring of EMF levels up to 18 GHz
- Compatible with FCC 96-326 and CENELEC 2050
- Ruggedized design for all weather conditions

https://mvg.link/eme_guard_plus

Tower climbers

Tower climbers install, maintain, or repair antennas and transmitters on telecommunication or broadcast towers, which can potentially expose them to RF radiation. To ensure their safety on the job, tower climbers use safety equipment and RF safety PPMs to monitor EMF levels.

RECOMMENDED PRODUCTS

EME Guard XS 48 GHz

- Accurate measurement with tri-axis sensors
- Visual alarm 1 LEDs
- Instant audio & visual alarms
- Continuous monitoring of EMF levels up to 48 GHz
- Compatible with FCC 96-326 and CENELEC 2050
- Ruggedized design for all weather conditions

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EME Guard XS 71 GHz

- Accurate measurement with tri-axis sensors
- Visual alarm 7 LEDs
- Instant audio & visual alarms
- Continuous monitoring of EMF levels up to 71 GHz
- Compatible with FCC 96-326 and CENELEC 2050
- Ruggedized design for all weather conditions

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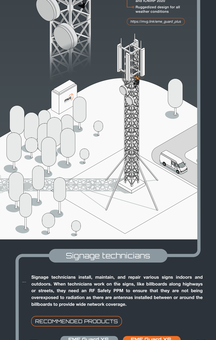

EME Guard Plus

- Accurate measurement with tri-axis sensors
- Visual alarm 6 LEDs
- Customization of buzzer and strobing alarm thresholds
- Data storage software
- Continuous monitoring of EMF levels up to 18 GHz
- Compatible with FCC 96-326 and CENELEC 2050
- Ruggedized design for all weather conditions

https://mvg.link/eme_guard_plus

Signage technicians

Signage technicians install, maintain, and repair various signs indoors and outdoors. When technicians work on the signs, like billboards along highways or streets, they need an RF Safety PPM to ensure that they are not being overexposed to radiation as there are antennas installed between or around the billboards to provide wide network coverage.

RECOMMENDED PRODUCTS

EME Guard XS 48 GHz

- Accurate measurement with tri-axis sensors
- Visual alarm 1 LEDs
- Instant audio & visual alarms
- Continuous monitoring of EMF levels up to 48 GHz
- Compatible with FCC 96-326 and CENELEC 2050
- Ruggedized design for all weather conditions

https://mvg.link/eme_guard_xs_48ghz

EME Guard XS 71 GHz

- Accurate measurement with tri-axis sensors
- Visual alarm 7 LEDs
- Instant audio & visual alarms
- Continuous monitoring of EMF levels up to 71 GHz
- Compatible with FCC 96-326 and CENELEC 2050
- Ruggedized design for all weather conditions

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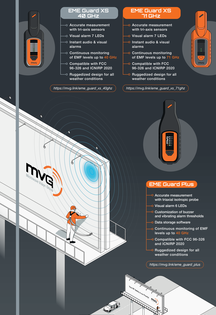

EME Guard Plus

- Accurate measurement with tri-axis sensors
- Visual alarm 6 LEDs
- Customization of buzzer and strobing alarm thresholds
- Data storage software
- Continuous monitoring of EMF levels up to 18 GHz
- Compatible with FCC 96-326 and CENELEC 2050
- Ruggedized design for all weather conditions

https://mvg.link/eme_guard_plus

Workers near radars

Radar equipment or systems are deployed in various locations such as military bases, airports, harbors, ships, and more for surveillance, detection, navigation and tracking purposes. Professionals working at these locations may be exposed to EMF emissions, but they are in close proximity to radar equipment during their duties. To ensure the safety of personnel at work, an RF safety PPM can warn them if EMF levels exceed recommended limits.

RECOMMENDED PRODUCTS

EME Guard XS Radar

- Accurate measurement with tri-axis sensors
- Instant audio and visual alarm
- Robust, reliable and user-friendly
- Measurements up to 35 GHz
- Detects short pulsed signals

https://mvg.link/eme_guard_xs_radar

FlashPad

- Continuously monitor of electromagnetic field (EMF) levels
- Detection of short pulsed signals, including short pulsed radar
- Measurements from 1 GHz to 18 GHz
- Alerting users with sound, light or email

https://mvg.link/flashpad

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For more information:

www.mvg-world.com/safety