

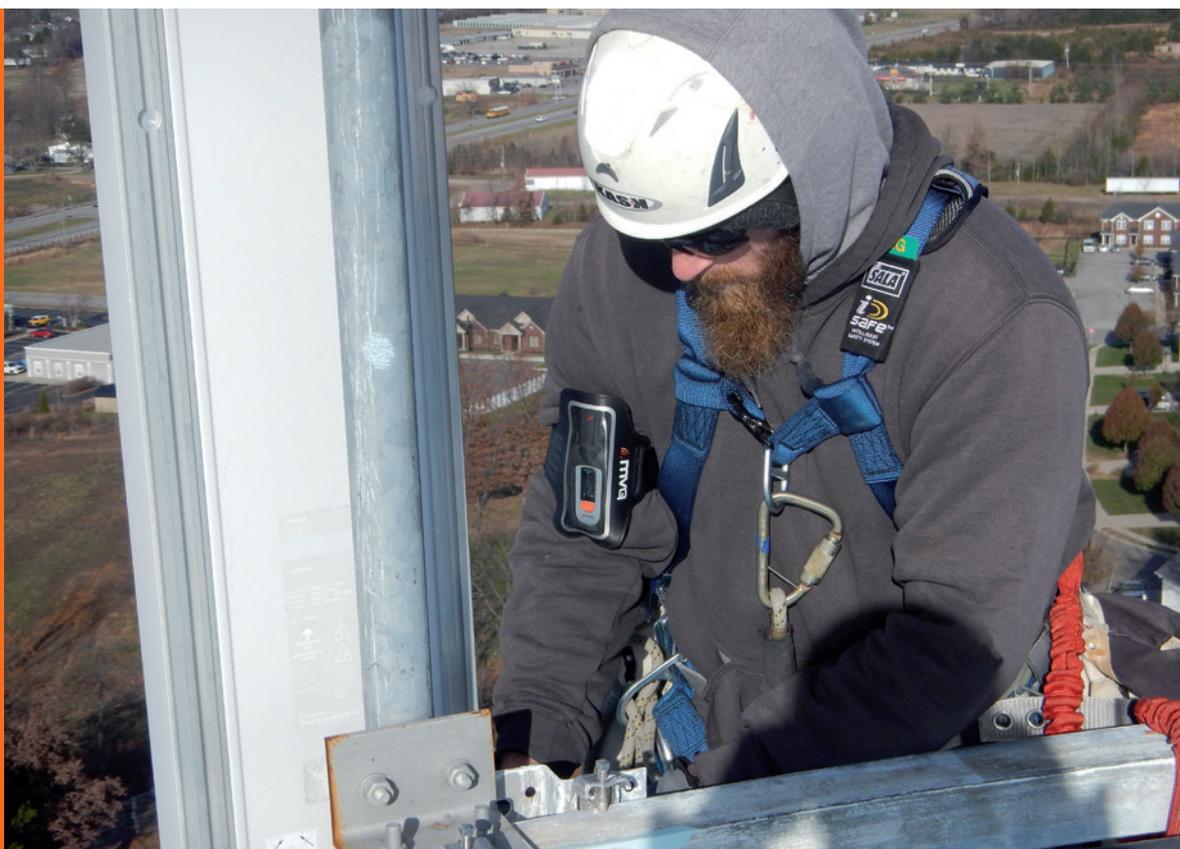
/// B-MAC Wireless Inc., Indianapolis, USA

RF Safety solutions to alert antenna workers to excessive EMF levels

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The EME Guard XS from MVG is without a doubt the most reliable EMF monitoring device on the market. There is no comparison in terms of reliability, accuracy and price.

Sean Sargent
Director of Health & Safety,
B-MAC Wireless Inc.



Reliable & Accurate RF Safety Monitoring

/// The challenge:

As health and safety policies for EMF/RF exposure levels become more stringent, companies are looking to monitor EMF/RF levels to protect employees. B-MAC is an industry leader, working with global names such as Verizon Wireless, T-Mobile and AT&T. B-MAC's employees are their greatest asset, and they want to look after them, ensuring that they return safely home to their families at the end of each day. Sean Sargent, Director of Health & Safety at B-MAC Wireless explains:

“We looked at a number of suppliers in the market for RF Safety monitors and we even purchased and tested some others. We wanted an isotropic solution that would register EMF/RF levels accurately. We needed the device to monitor the levels of the EMF source regardless of their positioning or human barrier, such as a technician. Another area where movement and flexibility is paramount is when crews are working many feet up on a tower. Technicians climb and monitors move so it is very important that the device operates well and is not affected by movement.”

// Our solution:

B-MAC needed their RF Safety monitors to be reliable, FCC (Federal Communications Commission) compliant, and able to pick up the required frequency ranges. It is a legal requirement to provide RF Safety programs and equipment to technicians, Sean explains:

"Our Civil and Tower Technicians work on wireless cell phone towers, but they are also often in close proximity to broadcast towers with FM or Microwave transmitters. It's important to us that our technicians are confident that when exposure levels exceed the normal guidelines, they are made aware. In the USA less than 20% MPE is considered general public exposure levels. Once levels exceed 20% up to 99.9% MPE, it's important that technicians have RF level awareness and a reliable Personal Protection Monitor."

"We need to supply our technicians with RF Safety equipment which provides accurate and constant monitoring to alert them when pre-set thresholds are exceeded. The EME Guard XS gives both a visual and audio alarm which activate to let the technician know that perhaps a secondary PPE is required such as an RF protection suit for example."

// Preferred supplier:

Sean explains the reasons behind the supplier selection for their RF Safety equipment:

"Purchasing EME Guard XS delivered what we had been searching for, an RF safety tool which was portable, yet monitored RF levels with accuracy. As we work with the three largest tower companies in the world, SBA, Crown & Castle, and American Tower, it's critical for us that our health and safety policies are as strict as theirs.

"With EME Guard XS, we are satisfied that we have the best solution on the market. Our technicians know that we have tested EME Guard XS ourselves and are confident that it will alert them to excess RF levels. EME Guard XS is totally portable and easily fits on the armband provided. Operation is suitable to withstand the tough working conditions and it's robust enough to recover if dropped, which is a key factor when working at high elevation."

"Since we started using MVG's EME Guard XS, it has exceeded our health and safety expectations, in terms of monitoring and raising awareness of RF levels for our technicians. MVG is our preferred RF Safety monitor supplier based on performance, price, and durability."



THE BENEFITS:

The benefits of having EME Guard XS at B-MAC Wireless are:

- Confident that the levels measured are reliable and accurate
- EME Guard XS measures RF frequency ranges from 80 MHz to 6 GHz
- B-MAC can meet industry RF Safety regulations
- An affordable solution while still maintaining accurate monitoring
- Small, portable and easy to use
- Visual and audio alarms for technician RF safety awareness

// Next steps:

B-MAC's success working with the global telecom and antenna leaders is evident and as a forward thinking company, B-MAC is already looking to the future, says Sean, "As our technician team's grow, we will be looking to provide every tower crew with two EME Guard XS devices, one for the ground level and one for elevated work. For our civil technician teams, we will provide one at ground level. MVG will always be our first call when we need to make any RF Safety purchases in the future."

// Product information:

EME Guard XS is suitable for personnel working near antennas, including installation and maintenance workers, broadcasters, PMR, mobile phone operators or regulatory bodies. It provides accurate monitoring with tri-axis sensors. An instant audio and visual alarm will sound as soon as safe levels are exceeded. The design is robust, reliable and user-friendly.

EME Guard XS helps you to meet the latest industry safety recommendations, including:

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



To find out more about how MVG's RF Safety products could help your business please visit www.mvg-world.com/rfsafety or email salesteam@mvg-world.com