



## RF Guard® Pro

**RF safety monitor for everyone.**  
**Ultrawide frequency and dynamic range.**  
**Compact, simple to use, long-lasting battery.**

- Portable, wearable, small size.
- Covers the widest frequency range of all sources of the electromagnetic environment, including 5G cellphones and upcoming telecom bands.
- Display shows averaged and peak power density level in %, relative to FCC/ICNIRP safety level for the general public.
- LED and sound indication for alarm, warning, and RF source exploration.
- Dual polarization antenna with broad spatial coverage.
- Ultralong lasting battery.

### Marketing pitch:


- A simple compact field strength monitor for the general public and professionals (as a backup to the main test instrument), allows me to detect and evaluate the presence of strong RF sources around - to provide peace of mind and ensure RF safety.
- I can always have this unit with me, paying no attention to its operation. If I am exposed to a high RF field strength, the unit will notify me properly.
- I can also explore my environment, locate and evaluate all strong RF sources, measure their average and peak power density, and mitigate their potential harm.

### Features:

- Designed to be carried by users to detect, notify, and warn about the electromagnetic environment.
- Triple mode operation: **Normal (Average)**,
- **Explore (Peak)**, and **Explore (Peak/Hold)**.
- Normal mode (Average) display and 3-color LED show the average power density level (in % of the **General Public RF standard safety level**) with dual level sound alarm turning on when the level exceeds 1% and 10%.
- Explore mode (Peak) display shows peak power density level while 3-color LED and variable pitch sound indicate pulse signals for RF source's location and identification.

- Explore mode (Peak/Hold) display allows an easy measurement ("freeze") of the maximum value of peak power density.
- Operation is controlled by a single button:
- Normal - Explore (Peak) - Explore (Peak/Hold) - Normal - (Long Push) OFF.
- After 2 min. in Explore mode, the unit will automatically return to Normal mode to save the replaceable Li CR2032 coin battery.
- The unit has a special hole at the left side - to allow the hand strap lanyard attachment (included) and is supplied with a premium quality nonslip sleeve for good hand grip and protection.

### Technical parameters of RF Guard®

- Frequency range: **30 MHz-60 GHz**.
- Power density range Indication: **0.01%-500%**.
- Displayed power range: **0.1uW/cm<sup>2</sup>- 5mW/cm<sup>2</sup>**.
- Corresponding field range: **0.6 V/m -137 V/m**.
- RF safety standard level (**General Public**):
- **100%** corresponds to **1 mW/cm<sup>2</sup> @ 2.45 GHz**.
- Battery life: **2000 hours** (6 months of work shifts) in a benign electromagnetic environment.
- Dim. (in sleeve): 93x48x15mm; 3.7"x1.9"x0.6".
- Operating Temperature Range: -5C to +50C.
- Weight: 60 g; 2 oz.
- Warranty 1 year.
- **Designed and made in the USA.** 
- EMC Test Design, Sarasota, FL, USA.

