



RF Guard®

RF safety monitor for everyone. Ultrawide frequency range. Detects all RF sources.

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

Marketing pitch:


- Finally, simple compact field strength monitor that allows me to detect and evaluate the presence of strong RF sources around - to provide piece of mind and ensure RF safety.
- I can have this unit with me all the time, paying no attention to its operation. If I get into high RF field strength area - unit will give me proper notification.
- 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 user to detect, notify and warn about the electromagnetic environment. No special knowledge or care is required.
- Dual mode operation: **Normal** and **Explore**.
- In Normal mode (Slow) display and 3-color LED show the average power density level (in % of the standard safety level) with dual level sound alarm turning on when level exceeds 1% and 10%.
- In Explore mode (Fast) display shows peak power density level while 3-color LED and variable pitch sound indicate pulse signals for RF source's location and identification.
- Sample and hold feature in Explore mode allows an easy measurement of peak power density.
- Operation is controlled by a single button:
- Normal - Explore - Normal - (Long Push) OFF.
- After 2 min. in Explore mode unit automatically returns to Normal mode to save the battery.

- Li CR2032 coin battery can be easily replaced by opening the back side cover.
- Unit has special hole at the left side - to allow the hand strap lanyard attachment. Lanyard is included.
- Unit is supplied with premium quality non slip sleeve for good hand grip and protection.

Technical parameters of RF Guard®

- Frequency range: **30 MHz-60 GHz**.
- Power density range Indication: **0.01%-100%**.
- Corresponding field range: **0.6-60 V/m**.
- RF safety standard level (General Public):
- **100%** corresponds to **1 mW/cm² @ 2.45 GHz**.
- Battery life: 2000 hours in 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.

