



RADIO FREQUENCY (RF) METER

the University owns a Narda RadMan radio frequency meter. It is a hand held monitoring device, available on request, to check RF levels in areas around antennas on campus property. The meter is available for employees who will work in close proximity to antennas. It can be checked out from EHS to verify employees working in close proximity to antennas are not exposed to harmful RF levels. Follow all manufacturer’s guidelines for personal safety and to receive the most accurate area readings.

HOW TO OPERATE:

- Consult antenna safety map prior to accessing area.
- After switching on, an automatic routine will start with four steps all ending with a “beep”, the steps include:
 - LED check
 - battery charge state check, charge levels will display as one of the four LED lights
 - function check of H-field sensor
 - function check of E-field sensor
- Measured values are automatically recorded during each switch on. Values will display as:
 - 12.5% LED = 12.5% of the power density or 35% of the field strength - **safe to work**
 - 25% LED = 25% of the power density or 50% of the field strength - **safe to work**
 - 50% LED = 50% of the power density or 70.7% of the field strength (ALARM state with a flashing red LED and two “beeps” a second) - **Potentially unsafe, contact your supervisor**
 - 100% LED = 100% of the power density or 100% of the field strength (ALARM state with a flashing red LED and four “beeps” a second) - **Unsafe to work, contact your supervisor**
- Turn off and back on to recalibrate to standard settings and start a new values record.
- For more information on RF safety, please see the "RF Awareness" safety sheet.



FOR BEST READINGS:

- Do not use if damaged. Report damage to EHS.
- Keep an arms length away when entering the area.
- Do not wave around. Hold your arm stationary.
- Do not touch to high voltage equipment.
- Turn off your phone and UO radio.
- For trouble shooting, reference the manufacturer’s manual kept with the meter’s case.
- Return to EHS after use

