



WaveMon RF-60

Personal RF Monitor 100 kHz – 60 GHz

 **OCCUPATIONAL & PUBLIC RF SAFETY STANDARDS**
ICNIRP, FCC, Directive 2013/35/EU, SC6, NATO

 **OVEREXPOSURE WARNING**
From instant and average values

 **ELECTRIC AND MAGNETIC FIELD**
Isotropic, RMS, shaped response

 **DATALOGGER**
Including GPS and altimeter data



Compliance with ITU-T K.145



Ready for 5G measurements



Data geolocation



Harness, Belt, or Arm Holder

RF Absorber Integrated in Holder

Datalogger for exposure studies
Instant and average values

Rechargeable and Replaceable
Batteries for 200 h Autonomy

GPS and Altimeter
(Optional)

E & H-Field Isotropic Sensors
with RMS Response

Exposure % of the Standard

ON/OFF Status Button

High Intensity Audible
and Vibratory Warnings

USB and Tripod Connectors

WaveMon Applications



Worker's safety



Telecommunications



Railway



Medical



Labs



Aeronautical



Industry



Defense



Optional accredited calibration

Technical Specifications

| | |
|---------------------------------|---|
| Sensor type | Isotropic, RMS diode technology |
| Frequency | E-Field: 100 kHz – 60 GHz (see version selection table in next page) H-Field: 3 MHz – 1 GHz (see version selection table in next page) |
| Response | Shaped to specific standards (see version selection table in next page) |
| Isotropic deviation | E-Field: ±1 dB (<4 GHz) H-Field: ±1 dB |
| Dynamic Range | Up to 1000% (see version selection table in next page) |
| Linearity | E-Field: 0.5 dB (2% – 200%) H-Field: 0.5 dB (5% – 200%) |
| Interface | 1 button ON/OFF, status and low battery LED |
| Indicators | 6 LEDs + Audio + Vibration |
| Alarm threshold | 2 alarm thresholds adjustable by user |
| Connectivity | Waterproof USB (for downloading data and recharging) |
| Falling detection | Yes |
| Autonomy | >1 month (at 8 h/day, 5 days/week) |
| Data logger | >1 000 000 events |
| Positioning | GPS and Altimeter (Optional) |
| Logging Interval | 1 second to 60 minutes (adjustable by user) |
| Averaging Interval | 1 second to 60 minutes (adjustable by user) |
| Battery Type | 2 x AA NiMH battery rechargeable by USB |
| Protection | IP 54 |
| LF immunity (50 / 60 Hz) | > 30 kV/m |
| Temperature range | -20 / +50 °C (-4 / +122 °F) – Charging: 0 / +40 °C (+32 / + 104 °F) |
| Humidity | 5% to 95%, non-condensing |
| Size | 174 x 42.5 x 33 mm (6.8 x 1.7 x 1.3 ") |
| Weight | 190 g (6.7 oz.) |

Product specifications and descriptions in this document subject to change without notice.

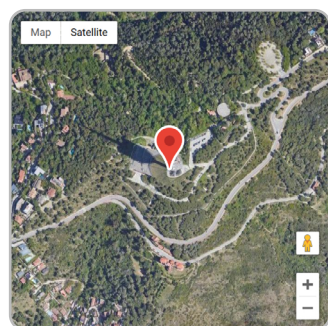
WaveMon RF-60

WaveMon Version Selection Table

| Versions | Response shaped to | E Field | | H Field | |
|------------|--------------------------------------|---|---------------|-------------------------|---------------|
| | | Frequency response | Dynamic range | Frequency response | Dynamic range |
| RF-60 ICN | ICNIRP 1998/2020 * Occupational | ±3.5 dB (100 kHz – 10 GHz) ±4 dB (10 GHz – 35 GHz) +10 / -6 dB (35 GHz – 60 GHz) | 0.5 – 1000% | ±3 dB (25 MHz – 1 GHz) | 1 – 1000% |
| | ICNIRP 1998/2020 * General public | ±3.5 dB (5 MHz – 10 GHz) ±4 dB (10 GHz – 35 GHz) +10 / -6 dB (35 GHz – 60 GHz) | 0.5 – 1000% | ±3 dB (25 MHz – 1 GHz) | 3 – 1000% |
| RF-60 FCC | FCC 96-326 Occupational | ±3.5 dB (100 kHz – 10 GHz) ±4 dB (10 GHz – 35 GHz) +10 / -6 dB (35 GHz – 60 GHz) | 0.5 – 1000% | ±2 dB (3 MHz – 1 GHz) | 1 – 1000% |
| | FCC 96-326 General public | ±5 dB (100 kHz – 2 MHz) ±3.5 dB (2 MHz – 10 GHz) ±4 dB (10 GHz – 35 GHz) +10 / -6 dB (35 GHz – 60 GHz) | 0.5 – 1000% | ±2 dB (3 MHz – 1 GHz) | 3 – 1000% |
| RF-60 EUD | EU Directive 2013/35 | ±3.5 dB (100 kHz – 10 GHz) ±4 dB (10 GHz – 35 GHz) +10 / -6 dB (35 GHz – 60 GHz) | 0.5 – 1000% | ±3 dB (25 MHz – 1 GHz) | 1 – 1000% |
| | Recommendation 1999/519/EC | ±3.5 dB (5 MHz – 10 GHz) ±4 dB (10 GHz – 35 GHz) +10 / -6 dB (35 GHz – 60 GHz) | 0.5 – 1000% | ±3 dB (25 MHz – 1 GHz) | 3 – 1000% |
| RF-60 SC6 | Safety Code 6 Controlled | ±3.5 dB (5 MHz – 10 GHz) ±4 dB (10 GHz – 35 GHz) +11 / -6 dB (35 GHz – 60 GHz) | 0.5 – 1000% | ±2 dB (25 MHz – 1 GHz) | 1 – 1000% |
| | Safety Code 6 Uncontrolled | ±3.5 dB (5 MHz – 10 GHz) ±4 dB (10 GHz – 35 GHz) +11 / -6 dB (35 GHz – 60 GHz) | 0.5 – 1000% | ±2 dB (25 MHz – 1 GHz) | 3 – 1000% |
| RF-60 NATO | NATO standards Zone 1 | ±3.5 dB (100 kHz – 10 GHz) ±5 dB (10 GHz – 35 GHz) +12 / -6 dB (35 GHz – 60 GHz) | 0.5 – 1000% | ±2 dB (100 MHz – 1 GHz) | 1 – 1000% |

* compliant with ICNIRP 2020 from 27 MHz

WaveMon accessories



GPS
Part # W-WAVEMON-GPS

WaveMon Internal GPS



WaveStick
Part # WWMA0002

Adjustable extension stick
(73 cm / 28,74 ")



Safety cable
Part # WWMA0001

WaveMon safety attachment
cable



WaveMon Lanyard
Part # WWMA0003

Breakaway neck security lanyard

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