



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

E-Field and H-Field Isotropic
Sensors with RMS Response

RF Absorber Integrated in Holder

Datalogger
Instant and Average Values

Exposure Level as a %
of the Standard/limit

Rechargeable and Replaceable
Batteries for 200 h Autonomy

ON/OFF Status Button

GPS and Altimeter
(Optional)

High Intensity Audible
and Vibratory Warnings

USB and Tripod Connectors



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.)

WaveMon Applications



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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

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