



# WaveMon RF-60

Personal RF Monitor 100 kHz – 60 GHz

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

 **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

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



Radar/  
Aerospace



Optional accredited calibration

## Technical Specifications

Sensor type	Isotropic, RMS diode technology
Frequency	<b>E-Field:</b> 100 kHz – 60 GHz (see version selection table in next page) <b>H-Field:</b> 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	<b>E-Field:</b> ±1 dB (<4 GHz) <b>H-Field:</b> ±1 dB
Dynamic Range	Up to 1000% (see version selection table in next page)
Linearity	<b>E-Field:</b> 0.5 dB (2% – 200%) <b>H-Field:</b> 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)
Memory and Data logging	> 40 million samples. Total memory size: 8 GBs  For 8 hours measurements, memory will last for 1389 days (i.e., > 5 years measurement).
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.)

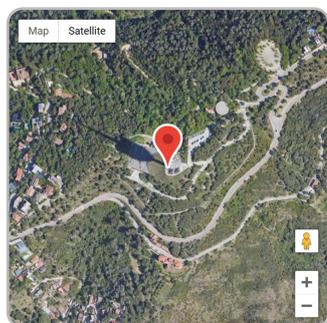
# WaveMon RF-60

## 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%
RF-60 ARP	ARPANSA RPS - S1 Occupational	±3.5 dB (400 kHz - 10 GHz) ±5 dB (10 GHz - 35 GHz) +12/-6 dB (35 GHz - 60 GHz)	0.5 – 1000%	25 MHz - 1 GHz: ±3 dB	1 – 1000%
	ARPANSA RPS - S1 General Public	±3.5 dB (400 kHz - 10 GHz) ±5 dB (10 GHz - 35 GHz) +12/-6 dB (35 GHz - 60 GHz)	1 – 1000%	25 MHz - 1 GHz: ±3 dB	3 – 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

WaveMon\_RF-60\_EN\_2603\_v2.5