



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.

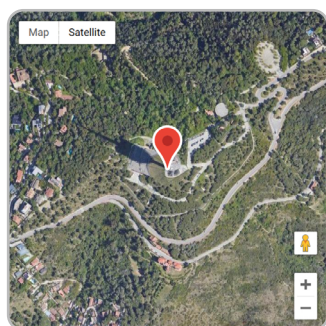
WaveMon RF-60

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

WaveMon_RF-60_EN_2103_v2.1



WaveMon RF-8

Personal RF Monitor



OVEREXPOSURE WARNING

Audible, visual and vibratory alarm



EMF EXPOSIMETER

Datalogger, instant & average values



ICNIRP, 2013/35/EU, FCC, SC6

Occupational/Shaped response



ELECTRIC AND MAGNETIC FIELD

Isotropic, RMS



Compliance
with ITU-T K.145



Data
geolocation



WaveMon Applications



Worker's safety



Telecommunications



Energy



Railway



Medical



Labs



Aeronautical



Industry



Defense



Optional accredited calibration

Technical Specifications

Sensor type	Isotropic, RMS diode technology	
Response	Shaped (ICNIRP 1998/2020, Directive 2013/35/EU, FCC and Safety Code 6)	
Interface	1 button ON/OFF, status and low battery LED	
Indicators	6 LEDs + Audio + Vibration	
Alarm threshold	2 limits 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	
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)	
Size	174 x 42.5 x 33 mm (6.8 x 1.7 x 1.3 ")	
Weight	190 g (6.7 oz.)	
	E-field	H-field
Dynamic range	1 – 300 %	2 – 300 %
Linearity	±0.5 dB (2% – 200%)	±1 dB (5% – 200%)
Isotropic deviation	±1 dB @ 1GHz	±1 dB @ 400 MHz

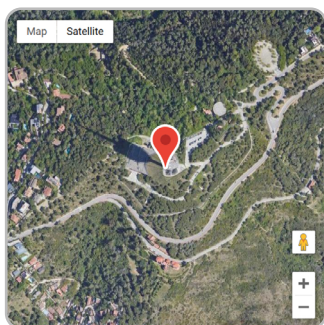
Product specifications and descriptions in this document subject to change without notice.

WaveMon RF-8

WaveMon Version Selection Table

Versions	Response shaped to	Frequency range and response	
		E-field	H-field
WaveMon RF-8 ICN WaveMon RF-8 EUD	ICNIRP EU Directive 2013/35	300 kHz – 8 GHz ±3.5 dB	25 MHz – 1 GHz ±1 dB (30 MHz – 700 MHz) +0 dB / -2.5 dB (700 MHz – 850 MHz) +0 dB / -5 dB (850 MHz – 1 GHz)
WaveMon RF-8 FCC	FCC	3 MHz – 8 GHz ±3.5 dB	3 MHz – 1 GHz ±1 dB (3 MHz – 400 MHz) ±2 dB (400 MHz – 850 MHz) +0 dB / -4 dB (500 MHz – 1 GHz)
WaveMon RF-8 SC6	Safety Code 6	10 MHz – 8 GHz ±3.5 dB	25 MHz – 1GHz ±2 dB (30 MHz – 800 MHz) +0 dB / -5 dB (800 MHz – 1 GHz)

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