



# 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



# WaveMon Applications



Worker's safety



Telecommunications



Railway



Medical



Labs



Aeronautical



Industry



Defense



Optional accredited calibration

## Technical Specifications

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

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



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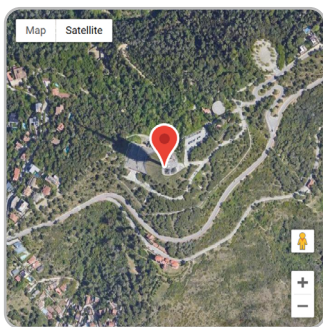
# WaveMon RF-60

## 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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