

Frequency range of operation	50 MHz – 6 GHz
Frequency response	Shaped (Occupational/Controlled)* – ICNIRP (2020) – FCC [NCRP] OET65 (1997) – Canada Safety Code 6 (2015) – EU Directive 2013/35/EU
Sensor polarisation	Isotropic
Isotropy	± 3 dB
Probes	E-field & H-field (3 orthogonal probes each)
Result type	Time-averaged RMS power density

E- & H-field combined frequency response table				
Frequency	ICNIRP (2020)	FCC/NCRP	Canada SC6 (2015)	2013/35/EU
50 MHz – 80 MHz	1.2 ± 3.8 dB	1.3 ± 3.8 dB	-0.6 ± 3.8 dB	1.3 ± 3.8 dB
80 MHz - 500 MHz	2.8 ± 2.8 dB	3.2 ± 2.9 dB	1.9 ± 3.5 dB	2.8 ± 2.9 dB
500 MHz – 1 GHz	1.5 ± 3.7 dB	2.8 ± 3.7 dB	1.2 ± 4.2 dB	1.4 ± 3.7 dB
1 GHz – 2 GHz	0.4 ± 4.7 dB	1.8 ± 4.7 dB	-1.1 ± 4.9 dB	0.4 ± 4.7 dB
2 GHz – 6 GHz	1.1 ± 3.7 dB	1.1 ± 3.7 dB	-0.6 ± 4 dB	1.2 ± 3.7 dB

E-field frequency response table				
Frequency	ICNIRP (2020)	FCC/NCRP	Canada SC6 (2015)	2013/35/EU
50 MHz – 80 MHz	1.3 ± 3.9 dB	1.3 ± 3.9 dB	-0.6 ± 3.9 dB	1.3 ± 3.9 dB
80 MHz – 500 MHz	1.9 ± 3.4 dB	2.4 ± 4 dB	1.2 ± 4.6 dB	1.9 ± 3.4 dB
500 MHz – 1 GHz	1.4 ± 3.7 dB	2.9 ± 3.7 dB	1.4 ± 4.4 dB	1.4 ± 3.7 dB
1 GHz – 2 GHz	-0.1 ± 4.7 dB	1.4 ± 4.7 dB	-1.1 ± 5.1 dB	0 ± 4.8 dB
2 GHz – 6 GHz	1.1 ± 3.7 dB	1.1 ± 3.7 dB	-0.7 ± 4.1 dB	1.3 ± 3.7 dB

H-field frequency response table				
Frequency	ICNIRP (2020)	FCC/NCRP	Canada SC6 (2015)	2013/35/EU
50 MHz – 80 MHz	-2.7 ± 3.6 dB	-2.5 ± 3.6 dB	-4.4 ± 3.6 dB	-2.7 ± 3.6 dB
80 MHz – 500 MHz	1.3 ± 3 dB	1.6 ± 3.2 dB	0.3 ± 3.8 dB	1.2 ± 3 dB
500 MHz – 1 GHz	-1.1 ± 4.4 dB	0.4 ± 4.4 dB	-1.1 ± 5.2 dB	-1.1 ± 4.4 dB

Calibration interval	Two-yearly
Level indicators	Percentage of Exposure Reference level
7 LEDs	2%, 5%, 10%, 25%, 50%, 100%, 200% or more
Audio alarm indicators	
50% (5th LED)	0.75 Hz beep
100% (6th LED)	1.5 Hz beep
200% (7th LED)	3 Hz beep
Operation	Single button operation
CW damage levels	26 dB above Standard 40 000% of Standard
Data logging	E, H and Maximum & audio notes
PC connection	Micro USB connection, software available on website
Fall detection system	3-axis accelerometer
Battery life	6-12 months on average use
Low battery warning	Flashing LED
Battery type	2x 1.5 V size AAA (LR03) alkaline
Mounting options	Handheld (with wrist strap on lanyard) Harness (with supplied harness strap) Tripod socket (remote monitoring)
Included	Rugged, reusable zipper case Wrist strap (adjustable) Harness strap (adjustable) User manual & calibration certificate 2x AAA batteries & 2x spare AAA batteries
Dimensions	146 x 26 x 42 mm
Weight (incl. batteries)	0.25 lb 115 g
Temperature	Operating: -20 °C to 50 °C
Additional environmental testing	Impact (IK08), Ingress (IP64), Vibration, Drop, Humidity
Certification	CE, UKCA



T1098

FM 786279

Alphawave Mobile Network Products (Pty) Ltd is accredited to ISO/IEC 17025:2017 – IEEE Std 1309:2013 (10 MHz to 40 GHz) and certified to ISO 9001:2015.