

Improved resistance against ground influence, minimum deviation, from HF58B upwards with LED control			x			x	x	x	x	
Compensated antenna (HFW: 2.4 GHz high pass filter integrated)				x	x			x	x	x
Direction-finding antenna LAT10 with very narrow directional pattern up to 1.9 GHz 4)	opt.	opt.	opt.	opt.		opt.	opt.	opt.	opt.	
UBB27_G3: active, quasi-isotropic ultra broad bandwidth antenna from 27 MHz to 3.3 GHz				x				opt.	x	
LC display: 3.5 digits in $\mu\text{W}/\text{m}^2$	x	x	x	x	x	x	x	x	x	x
Features for acoustic analysis										
Sound signal proportional to the field strength (Piezo buzzer)	x									
Sound signal proportional to the frequency for an acoustic analysis of pulsed radiatio 5) (40mm membrane speaker)		x	x	x	x	x	x	x	x	x
Volume regulation for speaker / headphones		x	x	x	x	x	x	x	x	x
Digital display of the total signal (Patent No. DE 103 17 805)										
Peak value (patent no. DE 103 34 886)	x	x	x	x	x	x	x	x	x	
Average value (patent no. DE 198 09 784)		x	x	x	x	x	x	x	x	
Peak Hold			x			x	x	x	x	
Digital display of the pulsed signals only 6)										
Average value / peak value / peak hold (same as for the overall signal, switchable)					x	x	x	x	x	x
Video bandwidth 2 MHz (radar/UMTS-module-optimisation), switchable 7)							x	x	x	x
Frequency filter for frequency selective analysis within a specified frequency range (external mounting)										
Service specific filter FF10 coming soon! switchable: GSM900, GSM1800, DECT, UMTS, WLAN, HP1100, TP1100, TETRA-BOS, DVB-T				recom.					recom.	
Steep sided high pass filter HP800_G3 for an improved suppression of the frequencies below 800 MHz				recom.				recom.	x	

Signal outputs										
DC output for longterm recordings						x	x	x	x	x
Audio output (modulated AC signal) for PC (sound card) / headphones / spectrum analyser						x	x	x	x	x
Additional standardised AC output (mod. Signal) for NFA series							x	x	x	x
Power supply (battery included in scope of supply)										
9 Volt Alkali Manganese E-block battery	x	x	x	x	x					
9-Volt NiMH high quality battery pack (easy replacement by user himself)						x	x	x	x	x
Power supply unit (for charging of the internal battery or for external power supply)						x	x	x	x	x
Antenna input for remote power supply (e.g. for active antenna and filter, as well as amplifiers, equalizers, etc.)						x	x	x	x	x
Average life expectancy per battery / battery pack (almost half when using UBB27)	10 - 12h	6 - 7h	6 - 7h	6 - 7h	6 - 7h	7 - 8h	7 - 8h	7 - 8h	7 - 8h	7 - 8h
Transport cases										
Plastic case K5 (approx. 27 x 18 x 8 cm) with foam filler	opt.	opt.		x	opt.					x
Plastic case K2 (approx. 33 x 27 x 16 cm) with formed foam filler (fits two devices with antenna)			opt.			x	x	x	x	

- 1) basic device incl. antenna
- 2) 2.7 - 3.3 GHz with increased tolerance
- 3) HFEW59D: with preamplifier HV20 + UBB2410 incl. in scope of supply
- 4) not suitable for quantitative measure
- 5) amplitude modulation radiation
- 6) of the amplitude modulated part; additional tolerance
- 7) in this setting there will be higher background noise in the finest measurement range inherent in the system

opt. = optional

recom.= recommended