SPECIFICATIONS

NBM-550	
DISPLAY	
Display type	Transflective LCD, monochrome
Display size	10 cm (4“), 240 x 320 dots
Backlight	White LEDs, selectable illumination time (OFF, 5s, 10s, 30s, 60s, PERMANENT)
Refresh rate	200 ms for bar graph and graphics, 400 ms for numerical results
Operating languages	English, French, German, Italian, Spanish, Simplified Chinese, Turkish, Russian
MEASUREMENT FUNCTIONS (with high frequency probes)	
Result units	mW/cm^2, W/m^2, V/m, A/m, % (of standard)
Display range	.0001 to 9999, 4 digits, variable or fixed triads can be selected Variable triads: 0.01 V/m to 100.0 kV/m; 0.01 mA/m to 265.3 A/m; 0.001 mW/m^2 to 26.53 MW/m^2; 0.1 nW/cm^2 to 2.653 kW/cm^2; 0.0001 % to 9999 % Fixed triads: 0.01 to 9999 V/m; 0.0001 to 265.3 A/m; 0.0001 to 9999 W/m^2; 0.0001 to 9999 mW/cm^2; 0.0001 to 9999 %
Result types (isotropic, RSS)	Actual, Maximum, Minimum, Average, Average Maximum
Result types (X-Y-Z mode)	Actual X, Actual Y, Actual Z (requires a probe with separate axes)
Time averaging	Selectable averaging time, 4 s to 30 min (2 s steps)
Spatial averaging	Discrete or continuously
Multi-position spatial averaging	Averages up to 24 spatially averaged results, each position and total is stored
History Mode	Graphical display of Actual results versus time (span of 2 minutes to 8 hours)
Correction frequency	1 kHz to 100 GHz or OFF (direct frequency entry, interpolation between calibration points)
Hot Spot Search	Audible indication of increasing and decreasing field strength (result type Act or Max)
Alarm function	2 kHz audible signal (4 Hz repetition), adjustable threshold
Timer Logging	Start time pre-selection: up to 24 h or immediate start Logging duration: up to 100 h Logging interval: 1s to 6 min (in 11 steps)
RESULT MEMORY	
Physical memory	12 MB non-volatile flash memory for measurement results and voice comments
Storage capacity	Up to 5000 results (including instrument settings, time stamp and GPS data when available)
INTERFACES	
Remote control	Via USB or optical RS-232 interface (selectable)
- USB	Serial, full duplex, 460800 baud (virtual COM port), multi-pin connector
- Optical interface	Serial, full duplex, 115200 baud, no parity, 1 start and 1 stop bit
Earphone	3.5 mm TRS, ≥ 16 ohms (mono), for voice recorder option only
External trigger (for result storage)	Uses the multi-pin connector. Interface cable with BNC connector available as accessory Triggers when contacts short-circuited
External GPS receiver	Uses the multi-pin connector; GPS receiver with interface cable available as an option
Probe interface	Plug-and-play auto detection, compatible with all NBM series probes Integration time for measuring input approx. 270 ms Measurement sampling rate 5 Hz (5/ 50/ 60 Hz for remote operation)