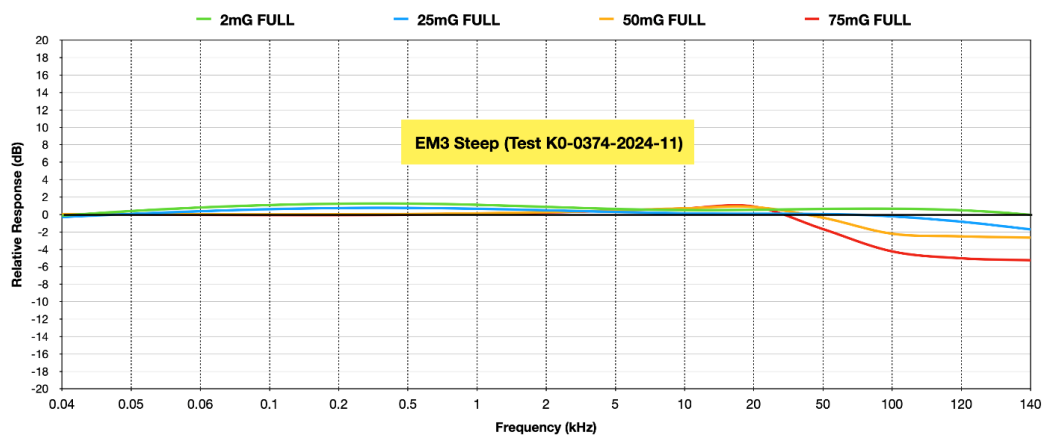


Safe and Sound EM3 Technical Specifications

The EM3 was optimized to measure low level AC Electric and AC Magnetic fields. The device not only meets the rigorous Building Biology guidelines SBM-2015 and SBM-2024 for electromagnetic sensitivity but also serves as a versatile tool for general electromagnetic monitoring, making it suitable for various applications in assessing and ensuring building health and safety. It is capable detecting fields as low as 0.01 V/m and 0.01 mG (1 nT). See 3rd party calibrated specifications and frequency response plots below for more details.

AC Magnetic Fields

+/- 1 dB @ 16 Hz, 50 Hz - 120 kHz (0.01 mG - 25 mG) (1 nT – 2500 nT)
Reduced tolerance up to 100 mG (10,000 nT) per axis or 173 mG 3D (17,300 nT)



AC Electric Fields

+/- 1 dB @ 16.7 Hz, 50 Hz - 400 kHz (0.01 V/m - 10 V/m)
+/- 1 dB @ 16.7 Hz, 50 Hz - 120 kHz (0.01 V/m - ~45 V/m)
Reduced tolerance up to 200 V/m

