EM ANTENNAS

DATASHEET

SBA U.S. Small Business Administration HUBZONE CERTIFIED

EM-6876 | Antenna, Broadband, Active Loop



Description

The Electro-Metrics Model EM-6876 is an active broadband loop antenna operating from 9 kHz to 30 MHz and consists of an approximate 0.5-meter (17-inch) loop mounted onto a rectangular base containing the active circuitry and rechargeable battery plus charging circuit.

Use Cases

Specifically designed to perform three-meter VDE 0871 Limit B magnetic emissions testing. It is also suitable for FCC Parts 15 and 18 testing, as well as SAE and other government and commercial standards.

Specifications

Electrical

Frequency Range:	9 kHz – 30 MHz
Dynamic Range:	85 dB @ 10 kHz 125 dB @ 1 MHz
Sensitivity:	0 dB(µV/m) @ 10 kHz -1 dB(µA/m) @ 10 kHz 10 dB(µV/m) @ 1 MHz -41 dB(µA/m) @ 1 MHz
1dB Compression Point:	5V/m, 13mA/m
Impedance:	50Ω, Nominal
Power Source:	18V rechargeable battery (sealed lead acid)
Operating & Recharge Time:	Nominal 4 hours operation, 12 hours recharge
Connector:	BNC (f) (EM-6876 | 9kHz-30MHz)

Mechanical

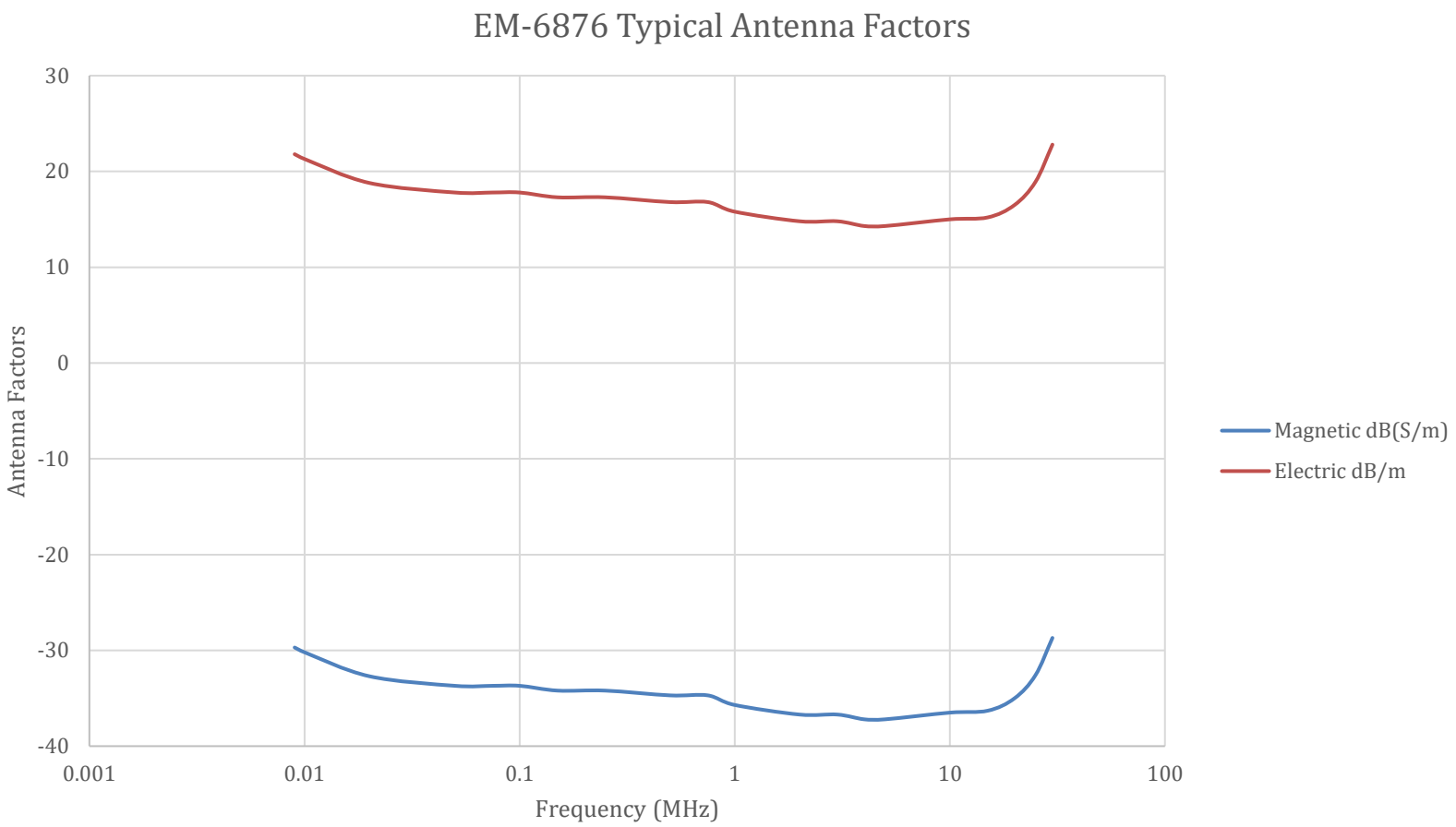
Overall Height:	21.7 in. (55.2 cm)
Diameter:	17 in. (43.2 cm)
Weight:	7.25 lbs. (3.29 kg)
Base Dimensions:	Height: 4 in. (10.2 cm) Width: 9.1 in. (23.2 cm) Depth: 7.1 in. (18.1 cm)
Color Options:	White (default)

Specifications subject to change without notice, unless otherwise specified. Product is manufactured in Johnstown, NY, U.S.A.

MADE IN USA

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