

EM-6902 | Antenna, Rugged, Magnetic Field, Hand-Held



Description

The Electro-Metrics EM-6902 Magnetic Field Antenna is designed to obtain magnetic field measurements from 100kHz to 300MHz. Calibrated for use in any 50Ω system as a receive only device, the EM-6902 is ideal for tracking a signal source through a wide range of frequencies.

MIL-STD-810H

This antenna has undergone and passed the Hot Temperature, Cold Temperature, Blowing Rain, Blowing Sand, and Shock and Vibration Environmental Tests, in accordance with MIL-STD-810H. Please contact Electro-Metrics for the detailed report.

Specifications

Electrical

Frequency Range: 100 kHz – 300 MHz

Impedance: Calibrated for use in a 50Ω system

Antenna Factor: 15 dB/m Average

> 0 dB/m Minimum (Typical)

30dB/m Maximum (Typical)

Connector: Type 'N' (female)

Mechanical

Dimensions:

Length: 23.5 cm (9.25")

Width: 10.8 cm (4.25")

Height: 15.9 cm (6.25") With Handle

4.2 cm (1.65") Without Handle

Weight: 0.68 kg (1.5 lbs.)

Mounting Options Available:

1/4 – 20 Tripod Mount Handle (included)

Color Options:

- Black (default)
- Custom colors available upon request

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



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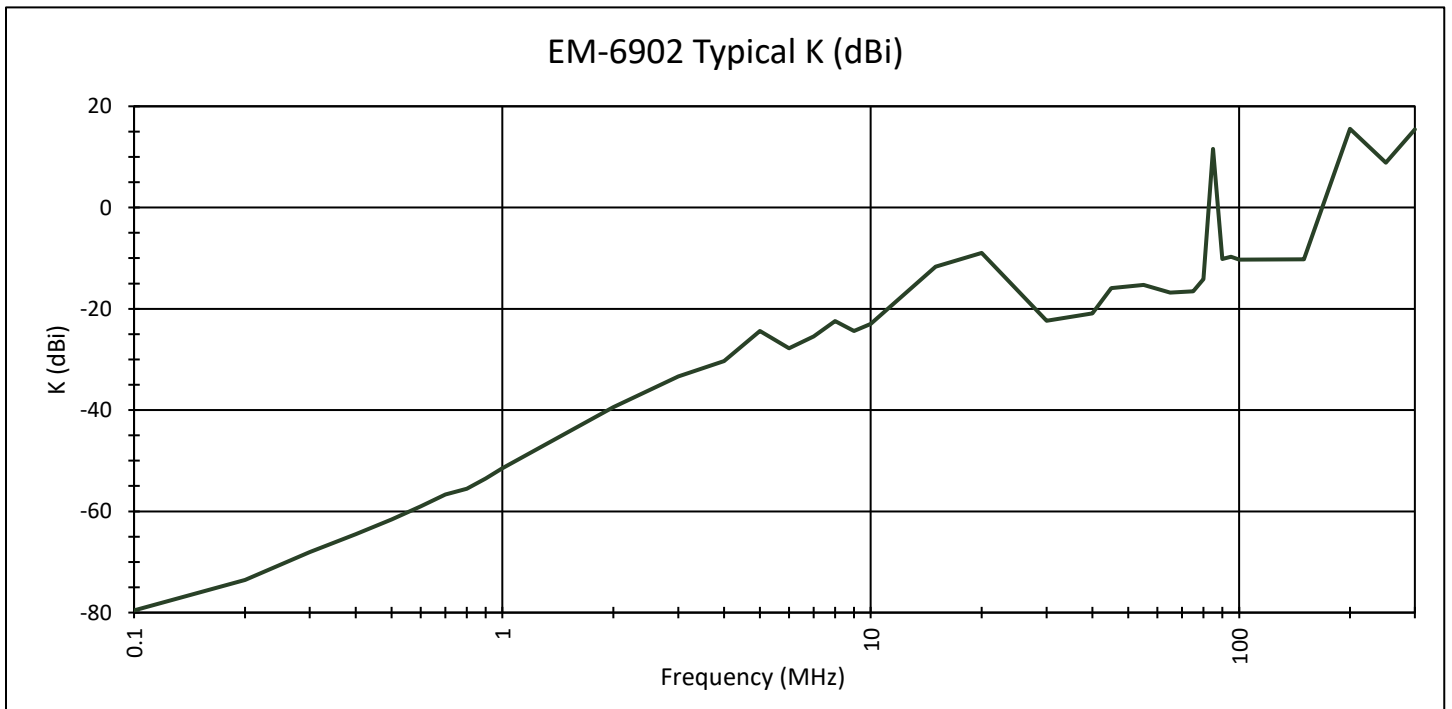
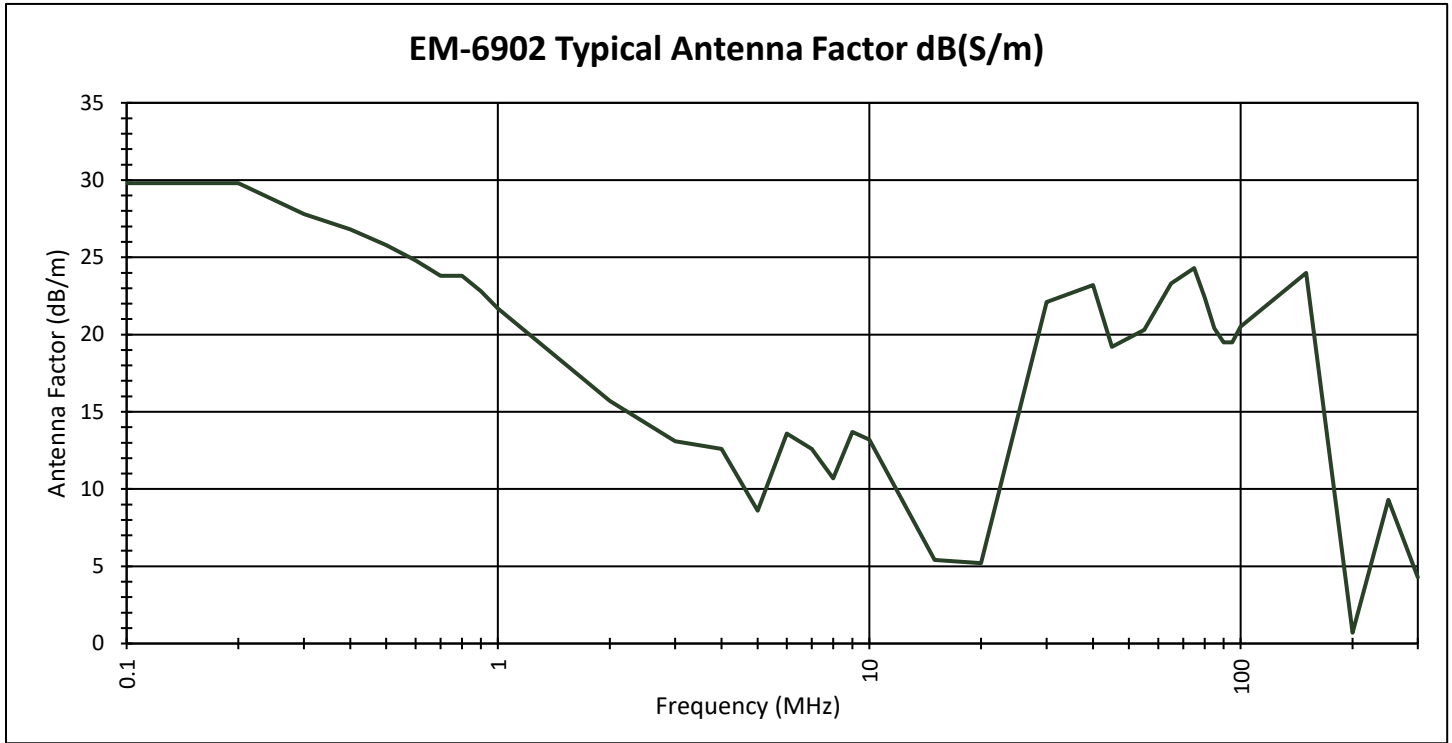
Frequency (MHz)	K	Antenna Factor
0.1	-79.57	29.8
0.2	-73.55	29.8
0.3	-68.03	27.8
0.4	-64.53	26.8
0.5	-61.59	25.8
0.6	-59.01	24.8
0.7	-56.67	23.8
0.8	-55.51	23.8
0.9	-53.49	22.8
1	-51.47	21.7
2	-39.45	15.7
3	-33.33	13.1
4	-30.33	12.6
5	-24.39	8.6
6	-27.81	13.6
7	-25.47	12.6
8	-22.41	10.7
9	-24.39	13.7
10	-22.97	13.2
15	-11.65	5.4
20	-8.95	5.2
30	-22.33	22.1
40	-20.93	23.2
45	-15.91	19.2
55	-15.27	20.3
65	-16.81	23.3
75	-16.57	24.3
80	-14.11	22.4
85	11.59	20.4
90	-10.19	19.5
95	-9.72	19.5
100	-10.27	20.5
150	-10.25	24
200	15.55	0.7
250	8.89	9.3
300	15.47	4.3

Data shown is typical, not guaranteed.

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