

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



Description

EM Antennas' 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 EM Antennas for the detailed report.

Specifications

Electrical

Frequency Range:	100 kHz – 300 MHz
Impedance:	Calibrated for use in 50Ω system
Antenna Factor:	15 dB/m Average > 0 dB/m Minimum (Typical) 30 dB/m Maximum (Typical)
Connector	Type 'N' (female)

Mechanical

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:	¼ - 20 Tripod Mount Handle (included)
Color Options:	<ul style="list-style-type: none"> • 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.



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

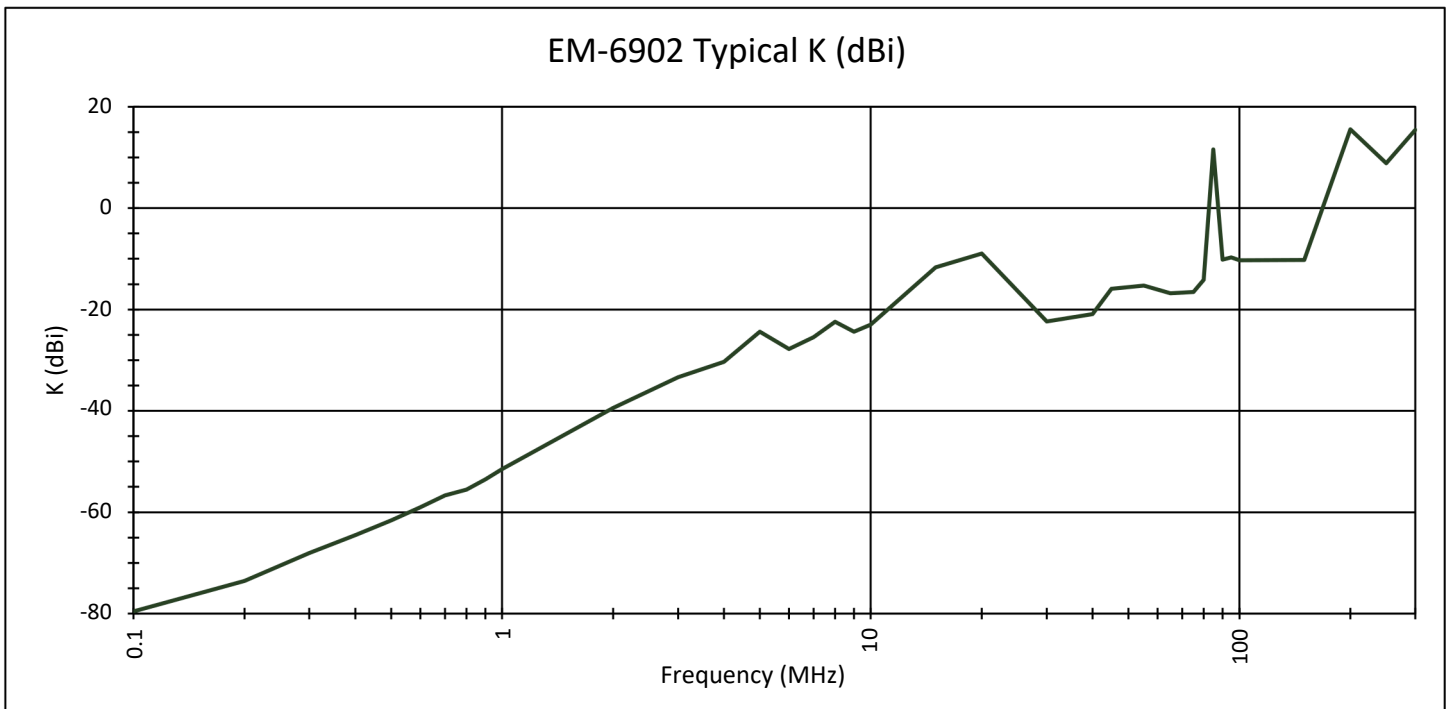
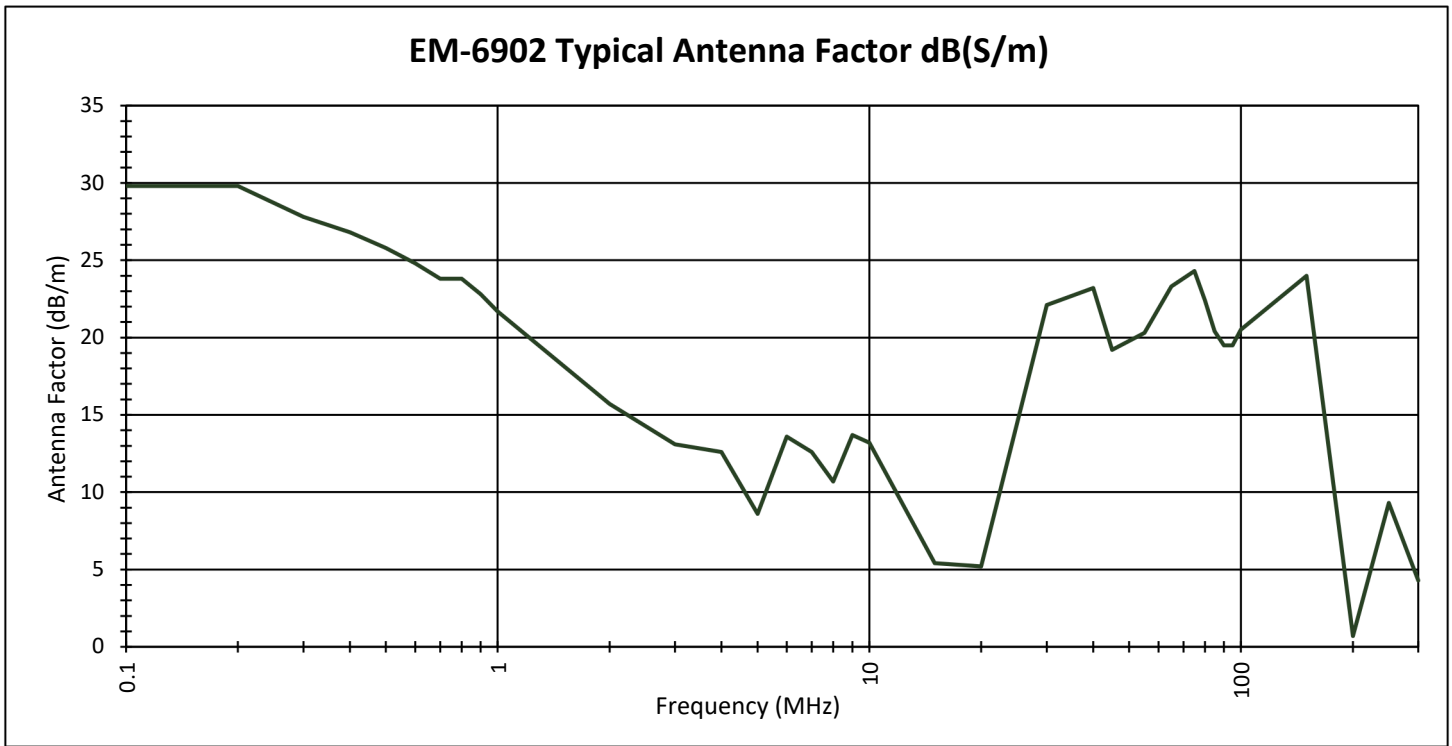
Frequency (MHz)	K	Antenna Factor
0.1	-79.57	29.8
0.2	-73.55	29.8
0.3	-68.03	27.8
0.4	-64.53	26.8
0.5	-61.59	25.8
0.6	-59.01	24.8
0.7	-56.67	23.8
0.8	-55.51	23.8
0.9	-53.49	22.8
1	-51.47	21.7
2	-39.45	15.7
3	-33.33	13.1
4	-30.33	12.6
5	-24.39	8.6
6	-27.81	13.6
7	-25.47	12.6
8	-22.41	10.7
9	-24.39	13.7
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.

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



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



Data shown is typical, not guaranteed.

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

