

## EM-6869 | Antenna, Active Loop



### Description

The EM-6869 Active Loop Antenna is used with any receiver or spectrum analyzer with 50 ohm input and covers the frequency range of 9 kHz to 50 MHz. The internal active circuitry equalizes the frequency response of the EM-6869 loop antenna, yielding a relatively constant antenna factor across the 9 kHz to 50 MHz range.

### Features

- Wide frequency coverage
- High sensitivity
- High dynamic range
- Compatible with any 50 ohm measurement instrument

### Specifications

#### Electrical

<b>Frequency Range:</b>	9 kHz – 50 MHz
<b>Dynamic Range:</b>	85 dB @ 10 kHz 125 dB @ 1 MHz
<b>Sensitivity:</b>	50 dB (μV/m) @ 10 kHz -1 dB (μA/m) @ 10 kHz 10 dB (μV/m) @ 1 MHz -41 dB (μA/m) @ 1 MHz (At 200 Hz Bandwidth and average detector function on receiver)
<b>1dB Compression point:</b>	5V/m, 13mA/m
<b>Impedance:</b>	50 Ohms, nominal
<b>Connector:</b>	Type SMA (Jack)
<b>External Power Source:</b>	12 V.D.C. - required

#### Mechanical

<b>Length:</b>	33.3 cm (13 1/8")
<b>Width:</b>	42.39 cm (16 11/16")
<b>Diameter:</b>	30.5 cm x 40.6 cm (12" x 16")
<b>Depth:</b>	.29 cm (3/4")
<b>Weight:</b>	0.70 kg (1.55 lb.)

*Optional external batter pack available.*

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

