

EM-6905 | Active Vertical Antenna



Description

EM Antennas' EM-6905 41" Active Vertical Antenna includes an amplifier that results in high sensitivity to the electric field in the frequency range of 1 kHz to 200 MHz.

The EM-6905 can easily be used with any 50-ohm receiving instrument, improving sensitivity over a passive device.

The EM-6905 provides 12 to 14 dB of sensitivity improvement over a Passive Vertical Rod Antenna in the range of 1 kHz to 10 MHz and 3 to 5 dB or more up to 30 MHz.

Specifications

Electrical

Frequency Range:	1 kHz - 200 MHz (calibrated)
Dynamic Range:	Typically 120 dB 1 μ V/m to 1 V/m
Impedance:	Designed to drive a 50-ohm load
Saturation Level:	Typically 126dB (μ V/m) CW, 105 dB (μ V/m/MHz) Broadband
Sensitivity:	From -13 dB (μ V/m/Hz) at 10 kHz to - 40 dB (μ V/m/ Hz) at 30 MHz, typical normalized to 1 Hz bandwidth
Power Source:	External 12 V.D.C. required
Connector:	Type TNC

Mechanical

Base Dimensions:	<ul style="list-style-type: none"> • Length: 6.35 cm (2 1/2") • Width: 6.35 cm (2 1/2") • Height: 22.1 cm (8 3/4") (w/collapsed rod)
Length Antenna Rod:	<ul style="list-style-type: none"> • Standard: 152.4 cm (60") • Weight: .22 kg (.48 lb.)
Mounting:	Standard 1/4 -20 thread
<i>Optional external battery pack available.</i>	

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

