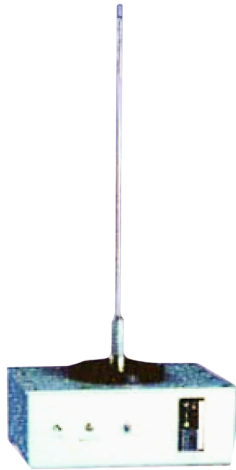


EM-6892 | Antenna, Active Vertical



Description

EM Antennas' EM-6892 41" Active Vertical Antenna includes an amplifier that results in high sensitivity to the electric field in the frequency range of 10 kHz to 50 MHz.

The EM-6892 can easily be used with any 50-ohm receiving instrument requiring improved sensitivity. Its battery operation, which eliminates the need for a control cable, further simplifies its operation. The sealed lead-acid battery included is rechargeable overnight from both 110v and 220v 50/60 Hz power systems.

The EM-6892 provides 12 to 14dB improved sensitivity over the EM-6894 Passive Vertical Antenna in the range of 10 kHz to 10 MHz and 3 to 5 dB improved sensitivity or better up to 30 MHz.

Particularly helpful for automated testing is its flat antenna factor of +14 dB from 10 kHz to 20 MHz.

Specifications

Electrical

Frequency Range:	1 kHz-50 MHz (calibrated)
Dynamic Range:	Typically 120 dB 1 μ V/m to 1 V/m
3 dB Bandwidth:	9 kHz – 20 MHz
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
Connector:	Type TNC

Mechanical

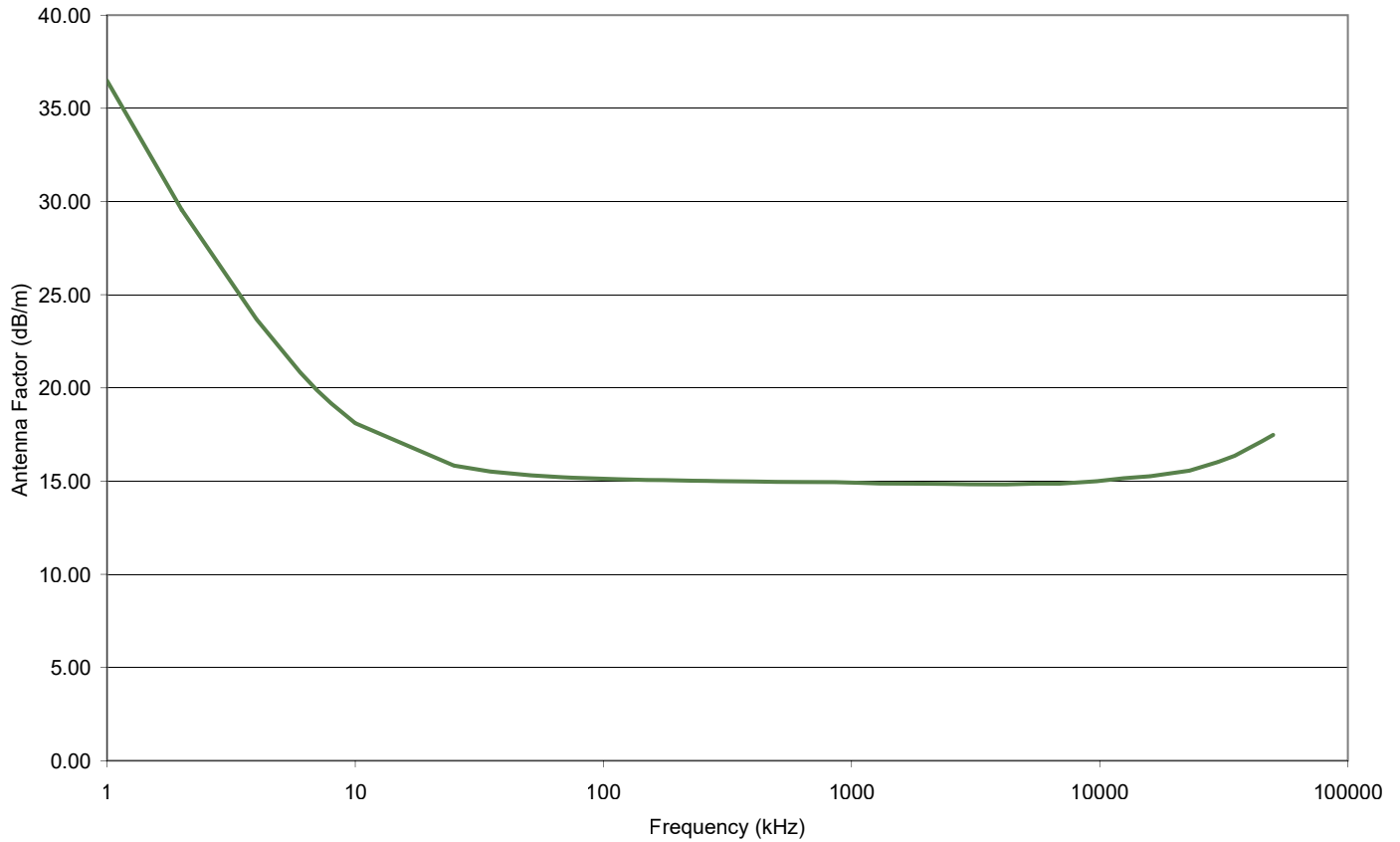
Base Dimensions:	<ul style="list-style-type: none"> • Length: 236 mm (9.3") • Width: 186 mm (7.3") • Height: 99 mm (3.9")
Length Antenna Rod:	<ul style="list-style-type: none"> • Standard: 1.04 m (41") • Optional: 2.1 m (82") • Weight: 3.0 kg (6.5 lbs.)

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



EM-6892 | Antenna, Active Vertical

EM-6892 Typical Antenna Factors



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