



A.H. Systems, Inc.

9710 Cozycroft Ave.
Chatsworth, CA 91311



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www.AHSystems.com

SAS-510-2

Log Periodic Antenna
290 MHz – 2 GHz

This directional Log Periodic Antenna is an ideal solution for radiated emissions and normalized site attenuation.



Frequency Range: 290 MHz - 2000 MHz

Antenna Factor: 14 - 32 dB

Gain: 6.5 dBi

Maximum Continuous Power: 1000 Watts

Maximum Radiated Field: 200 V/m

Pattern Type: directional

3dB Beamwidth (E-Field): 45°

3dB Beamwidth (H-Field): 100°

Impedance: 50 Ω

VSWR: 1.45:1 typ. (2.2:1 max)

Connector: N-Type, Female

Mounting Base: 1/4 x 20 Thread, Female

Features

- Frequency Range of 290 MHz to 2000 MHz
- Receive and Transmit
- Individually Calibrated (1, 3 and 10 Meter calibration included, horizontal polarization)
- Rugged Construction
- Three Year Warranty

This Log Periodic Antenna is the standard workhorse of any EMC compliance test house. The SAS-510-2 has an excellent cross-polarization property that is required per CISPR 16-1 and greatly reduces measurement uncertainty. This Log Periodic Antenna is an ideal solution for radiated emissions and normalized site attenuation. Constructed of lightweight aluminum, this directional Log Periodic Antenna has been manufactured to ensure maximum gain, low VSWR and high power handling capabilities.

Recommended Accessories

- ATU-510 (Antenna Tripod, Wooden)
- AEH-510 (Azimuth and Elevation Head)
- PAM-0202 (30 dB Preamp)



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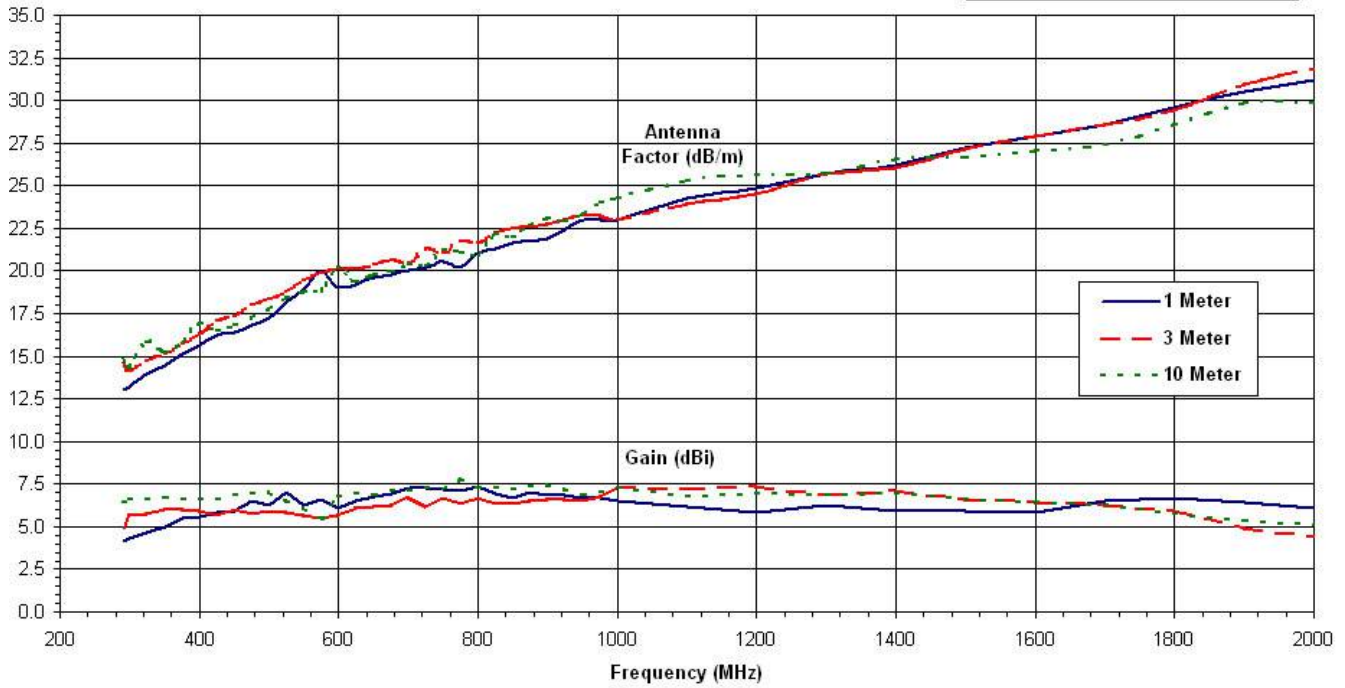


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**Antenna Data
Log Periodic
Model SAS-510-2**

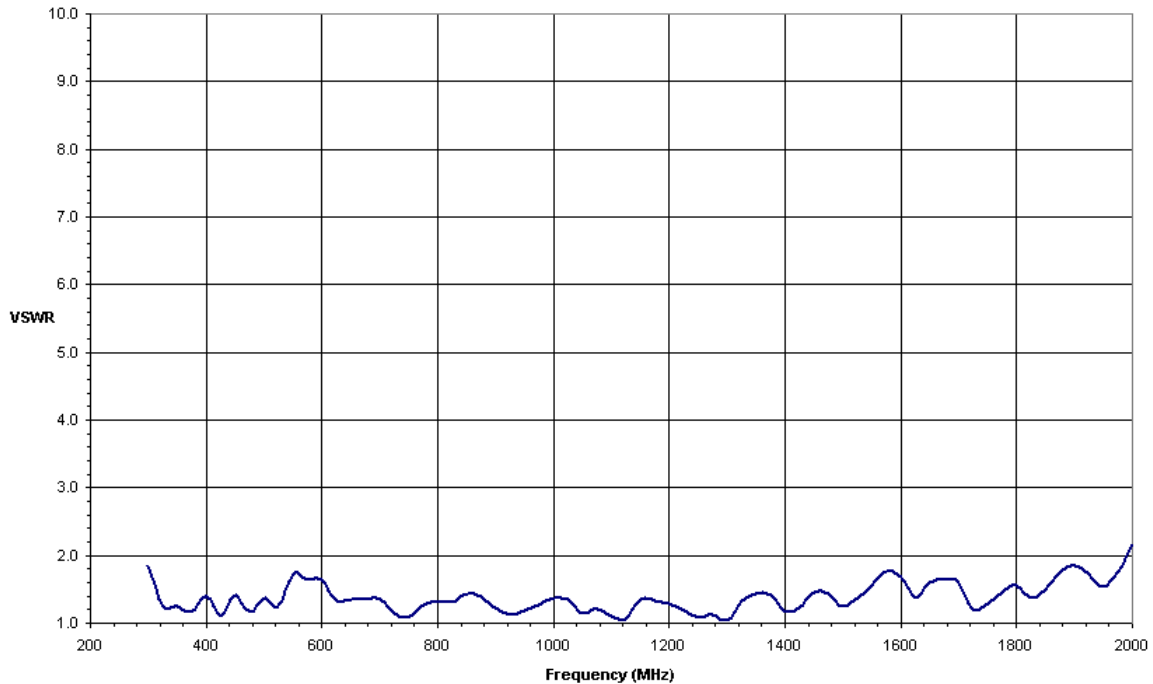
Conversion of meter reading
to field strength:
 $\text{dBuV/m} = \text{dBuV} + \text{AF} + \text{cable loss}$



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**VSWR
Log Periodic Antenna
Model: SAS-510-2**





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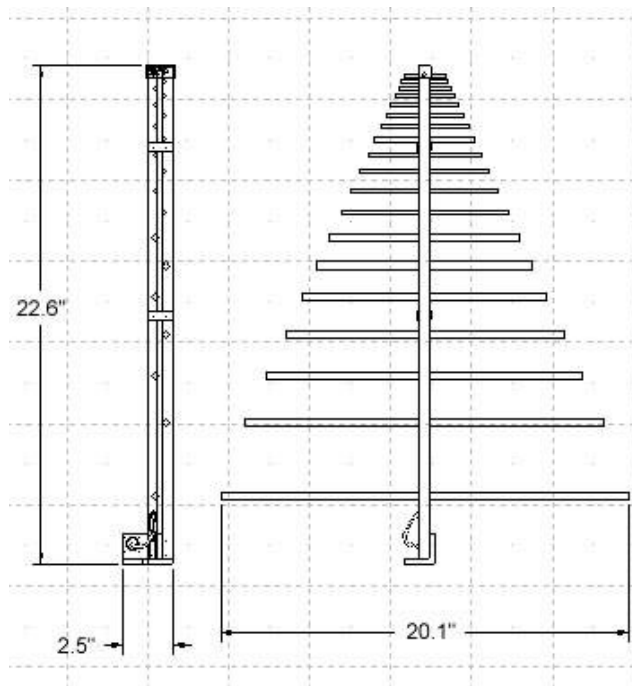
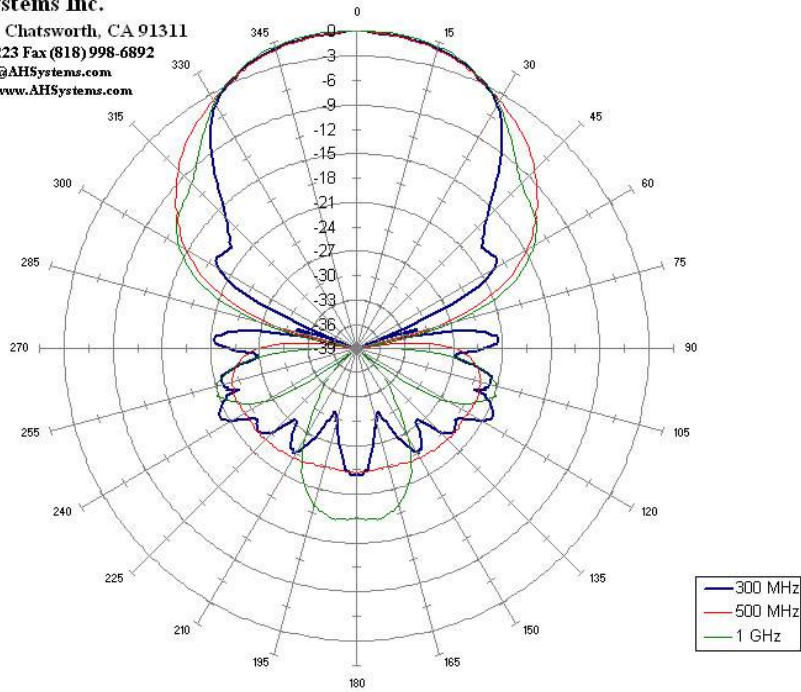
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**Antenna Beamwidth
Horizontal Polarization
Model: SAS-510-2**



Physical Dimensions

Length: 22.6 in. (57.5 cm)
Width: 20.1 in. (51.1 cm)
Weight: 1.4 lb.'s (0.64 kg)