



A.H. Systems, Inc.

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www.AHSystems.com

SAS-512-7

Log Periodic Antenna

190 MHz – 7 GHz

Lightweight broadband Log Periodic Antenna designed for FCC testing. Its versatile design makes this log periodic antenna excellent for both immunity and emissions testing.



Frequency Range: 190 MHz - 7000 MHz

Antenna Factor: 11 to 46 dB/m

Average Gain: 6.7dBi

Maximum Continuous Power: 1000 Watts

Max Radiated Field: 200 V/m

Pattern Type: directional

Impedance: 50 Ω

Connector: N-Type, female

Mounting Base: 1/4 - 20 Thread, female

Features

- Frequency Range of 190 MHz to 7 GHz
- Receive and Transmit
- Individually Calibrated (1, 3 and 10 Meter calibration included, horizontal polarization)
- Rugged Construction
- Three Year Warranty

The SAS-512-7 log periodic antenna is lightweight, compact and has been manufactured to ensure maximum gain, low VSWR and high-power handling capabilities. This Log Periodic Antenna was initially designed to cover the FCC Part 15 requirements (200 MHz - 1 GHz), however with its extended operating range this antenna is well suited for a variety of other testing applications. This Linear polarized broadband dipole array is well suited for emissions and immunity testing applications.

Recommended Accessories

- ATU-514 (Antenna Tripod)
- AEH-510 (Azimuth and Elevation Head)
- PAM-0207A (25 dB Preamplifier)

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EMC Antennas and more





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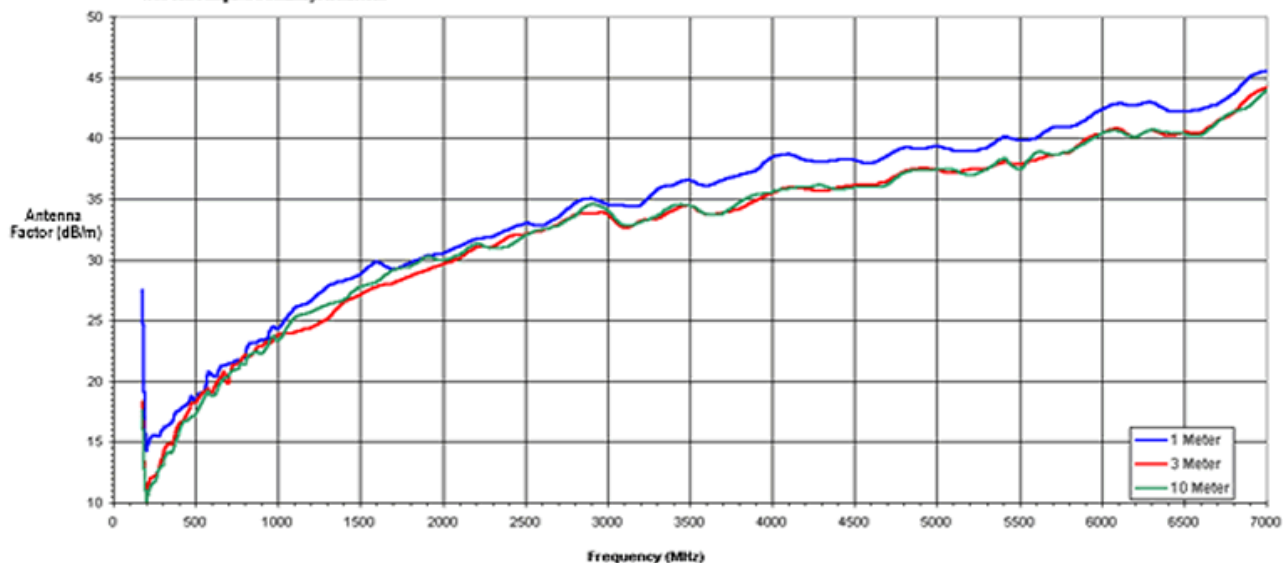
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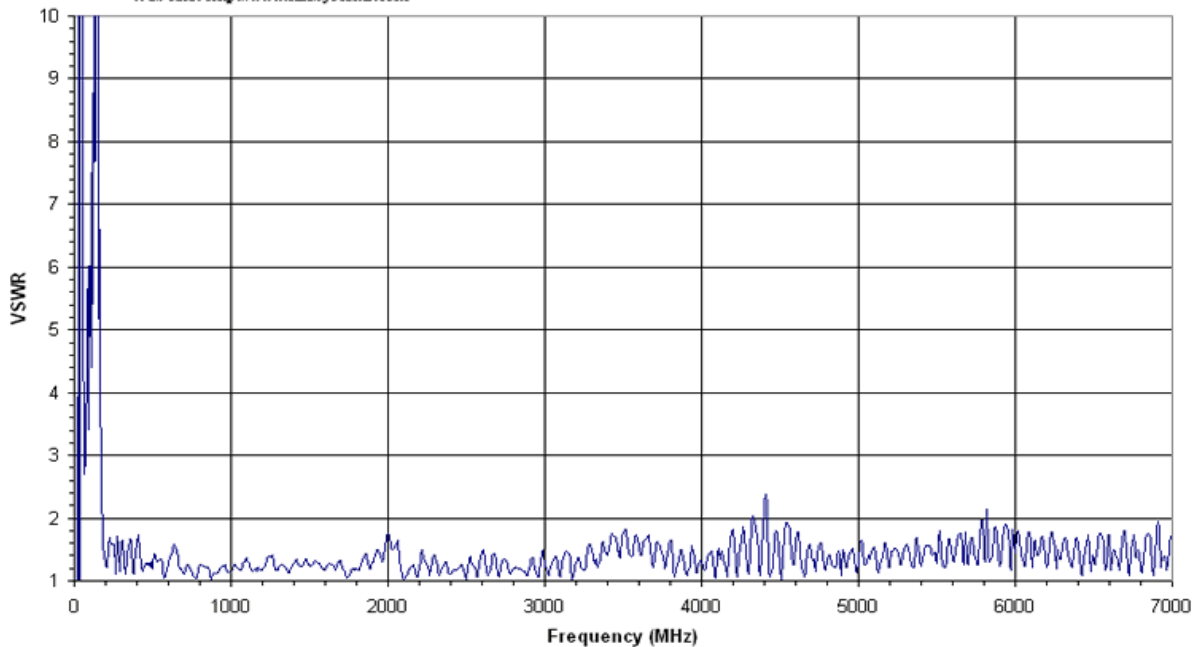
Antenna Factor
Log Periodic Antenna
Model: SAS-512-7

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



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VSWR
Biological Antenna
Model: SAS-521-7



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Physical Dimensions

Length: 34.6 in. (88 cm)
Width: 29.5 in. (74.9 cm)
Weight: 2.3 lb.'s (1.04 kg)

Information presented in this datasheet was current at the time of publication. A.H. Systems continual product improvement makes it necessary to reserve the right to change our electrical and mechanical specifications without notice.

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