

HLP-2008A Hybrid Log Periodic Antenna

Product Overview

Ultra Wide Range The TDK HLP-2008A Hybrid Log Periodic Antenna is an extended frequency broadband antenna intended for measurements in an anechoic chamber, open area test site, or in situ. Its 20 MHz to 8 GHz range makes it the widest emission antenna in its class. It is especially suited for wideband testing of radiated emissions from electrical and electronic equipment. This new design offers unequalled performance over this range for an antenna of this form factor.

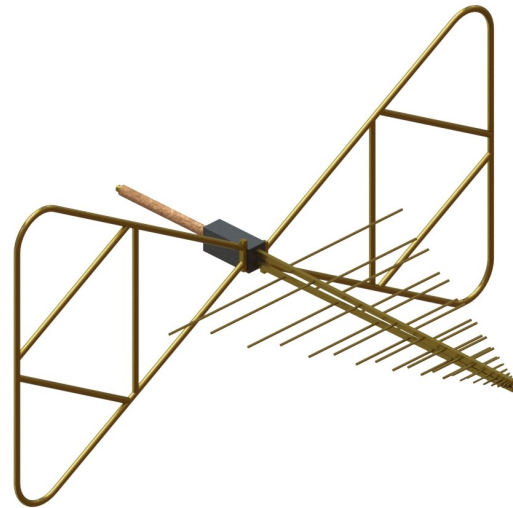
High Performance/Compact Size The HLP-2008A has a robust design that incorporates rigidity for improved measurement accuracy required in repeated height scanning measurements. The unique low frequency hybrid elements extend the low frequency performance while maintaining a compact size. The innovative design provides symmetry even under adverse conditions such as vertical polarization combined with close proximity to a conducting ground plane. The low frequency elements of the antenna are removable for convenient storage and portability.

Features

- Unique design enforces symmetry and meets CISPR 16-1-4 and ANSI C63.4 standards even under adverse conditions such as vertical polarization
- Highest and widest frequency range for an antenna in its class
- Excellent low frequency response
- Moderate power handling capability
- Includes typical/average ANSI C63.5 data

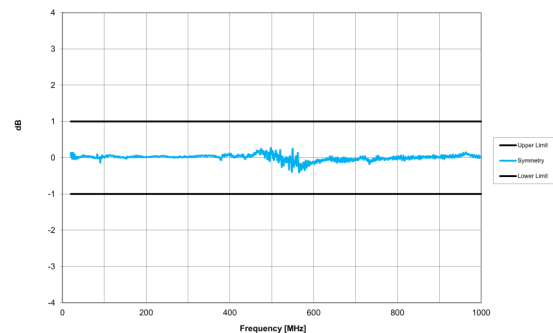
Applications

- Emissions and immunity testing
- Anechoic chamber, OATS, in situ testing
- OTA testing
- Communications systems testing
- General electromagnetic testing

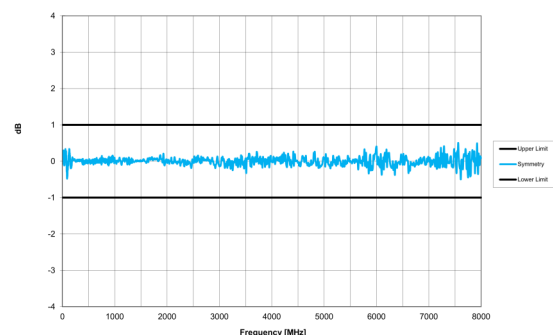


The TDK HLP-2008A Hybrid Log Periodic antenna offers unequalled performance over the ultra wide frequency range of 20 MHz to 8 GHz.

HLP-2008A Symmetry per CISPR 16-1-4



HLP-2008A Symmetry per ANSI C63.4



HLP-2008A Hybrid Log Periodic Antenna

Electrical Characteristics

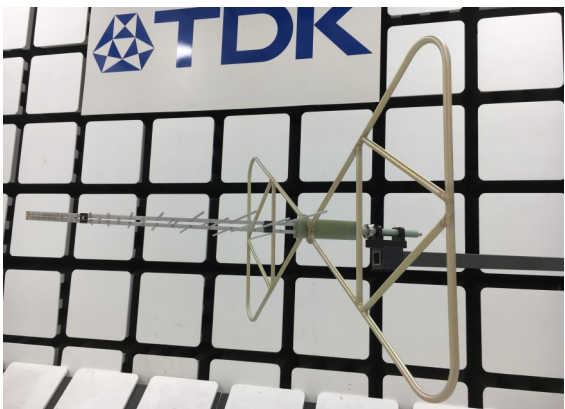
Frequency Range:	20 MHz to 8 GHz
Gain:	7 dBi typical
VSWR:	1.5:1 average
Polarization:	Linear
Power Handling:	100 W
Input Impedance:	50 ohms nominal

Mechanical Specifications

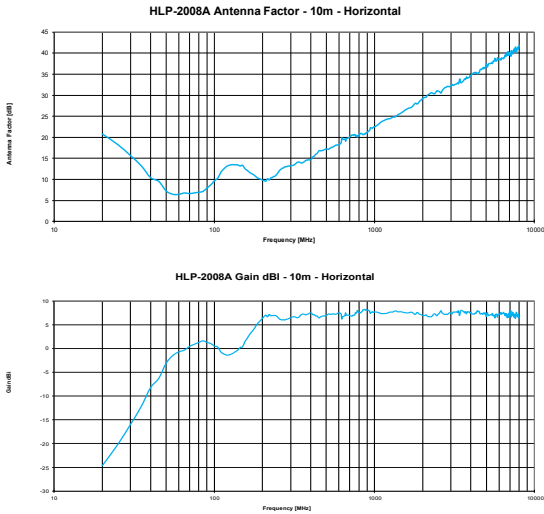
Overall Dimensions:	
Width:	144 cm (57 in.)
Depth:	125 cm (49 in.)
Height:	73.5 cm (29 in.)
Weight:	4 kg (8.9 lbs.)
Construction:	Aluminum with gold chromate finish
Mounting stem:	22 mm diameter tube
RF Connector:	Type N female

Options

- ISO/IEC 17025 accredited calibration
- Mounting adapters available



Antenna Data



To place an order or to learn more about the TDK products that best meet your needs, contact your TDK sales representative:

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 1101 Cypress Creek Rd.
 Cedar Park, Texas 78613 USA
 Phone: 1-512-258-9478
 Email: trs.sales@tdk.com
 World Wide Web: www.tdkrfsolutions.tdk.com

Ordering Information

Product:	Hybrid Log Periodic Antenna
Model Number:	HLP-2008A
Warranty:	1 year limited



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