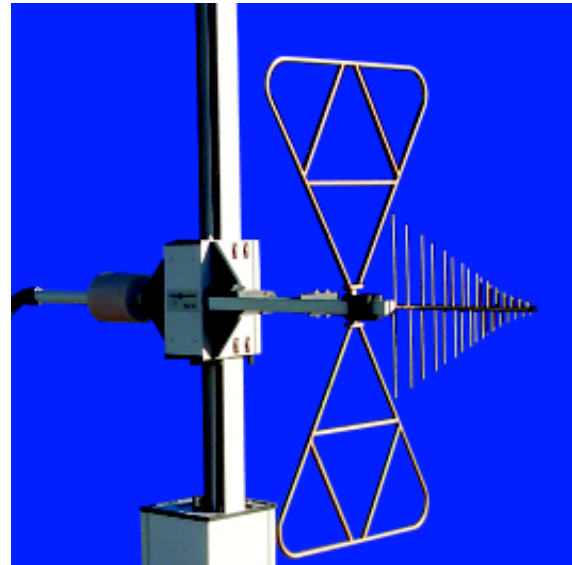


HLP-3003C Hybrid Log Periodic Antenna

Product Overview

Ultra Wide Range TDK RF Solutions' HLP-3003C 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 30 MHz to 3 GHz range makes it especially suited for wideband testing of radiated emissions from electrical and electronic equipment. This new design offers unequaled performance over this range for an antenna of this form factor.

High Performance/Compact Size The HLP-3003C uses a unique low frequency hybrid element to extend the low frequency performance while maintaining a compact size. The low frequency elements of the antenna are removable for convenient storage. The HLP-3003C fits easily into an optional carrying case for portability between test sites. The antenna can be mounted on a conventional tripod or antenna tower.



TDK RF Solutions' HLP-3003C Hybrid Log Periodic antenna offers unequaled performance over the ultra wide frequency range of 30 MHz to 3 GHz and an efficient, compact design.

Features

- Efficient design especially suited for compact chambers
- Shortest antenna length available for the operating frequency range
- Unique low frequency hybrid element extends performance
- Moderate power handling capability
- Individually calibrated according to ANSI C63.5, with signed certificate of calibration

Applications

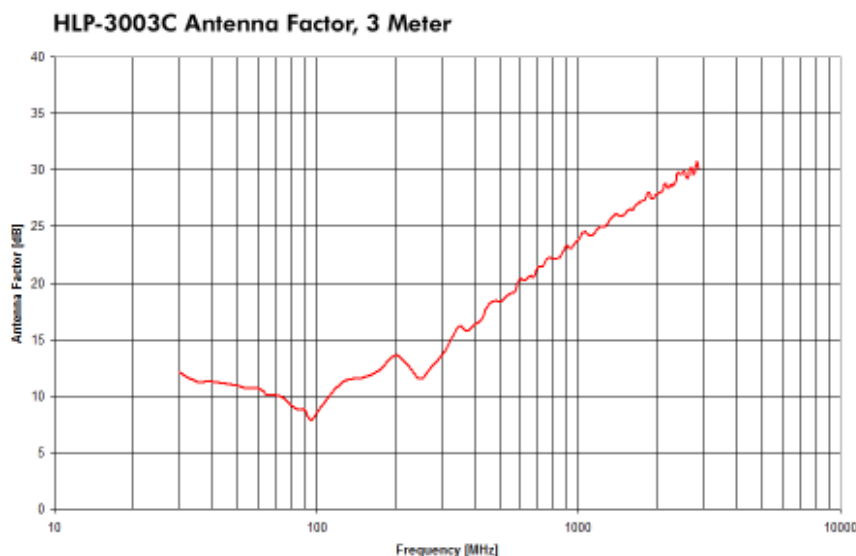
- Immunity and Emissions testing
- Anechoic chamber, OATS, *in situ* testing

Options

- SVM-01 Short Vertical Mast
- HLP-CC Carrying Case



HLP-3003C Hybrid Log Periodic Antenna



Electrical Characteristics

| | |
|------------------|-----------------|
| Frequency Range: | 30 MHz to 3 GHz |
| Gain: | 6 dBi typical |
| VSWR: | 2:1 average |
| Polarization: | Linear |
| Power Handling: | 100 W |
| Input Impedance: | 50 ohms nominal |

Mechanical Specifications

| | |
|---------------------|------------------------------------|
| Overall Dimensions: | |
| Width: | 156 cm (61.5 in.) |
| Depth: | 71 cm (28 in.) |
| Height: | 69 cm (27 in.) |
| Weight: | 3.6 kg (8 lbs.) |
| Construction: | Aluminum with gold chromate finish |
| RF Connector: | Type N female |

Ordering Information

| | |
|---------------|-------------------------------------|
| Product: | Compact Hybrid Periodic Log Antenna |
| Model Number: | HLP-3003C |
| Warranty: | 1 year limited |

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

TDK Electronics Europe

TDK House, 5-7 Queensway
Redhill, Surrey RH1 1YB
United Kingdom
Phone: +44-(0)1737-781372, Fax: +44-(0)1737-781360
E-Mail: chambers@tdk.de
World Wide Web: www.tdk-components.de/chambers