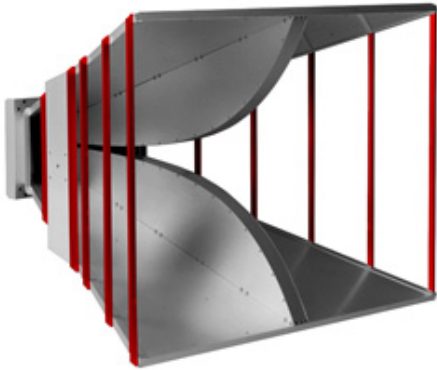


## 3106B DOUBLE-RIDGED GUIDE ANTENNA

ETS-Lindgren's 3106B Double-Ridged Guide Antenna has high gain and excellent VSWR characteristics over its entire frequency range.



ETS-Lindgren's 3106B Double-Ridged Guide Antenna is especially effective for generating high electromagnetic fields with relatively low power input.

The antenna is also useful for receiving low-level signals where high gain characteristics are needed. Although large in size, 93.3 cm (36.7 in), this antenna weighs only 11.8 kg (26 lb). A Type N female connector is used for increased power handling and optional RF connectors are available.

The 3106B Double-Ridged Guide Antenna has uniform gain characteristics and directionality. It can handle 1000 W peak and 800 W continuously. Constructed of lightweight corrosion-resistant aluminum, our 3106B Double-Ridged Guide Antenna will provide years of trouble-free indoor and outdoor service.

### Key Features

- 200 MHz to 2.5 GHz Frequency Range
- Two Year Warranty
- Uniform Gain
- Low VSWR
- Individually Calibrated
- Integral Mounting

### Specifications

**4TECT**  
OOO "4TECT"  
+7(499)685-44-44  
[info@4test.ru](mailto:info@4test.ru)  
[www.4test.ru](http://www.4test.ru)

**ETS-LINDGREN**  
An ESCO Technologies Company

## Electrical Specifications

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**Frequency Minimum:** 200 MHz  
**Frequency Maximum:** 2.5 GHz  
**Connectors:** Type N Female (Standard)  
**Impedance (Nominal):** 50  $\Omega$   
**VSWR:** <1.6:1  
**Pattern Type:** Directional  
**Polarization:** Linear

Model	Power Rating	Power Rating
3106B (Standard with Type N Connector)	<300 MHz 300 MHz to 1 GHz 1 GHz to 2.5 GHz	1.0 kW 500 W 300 W
3106B-7/16 DIN	<300 MHz 300 MHz to 1 GHz 1 GHz to 2.5 GHz	1.6 kW 800 W 500 W
3106B-SC	<300 MHz 300 MHz to 1 GHz 1 GHz to 2.5 GHz	1.0 kW 500 W 300 W

## Physical Specifications

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**Height:** 72.9 cm (28.70 in)  
**Length:** 97.8 cm (38.50 in)  
**Width:** 93.3 cm (36.7 in)  
**Weight :** 11.8 kg (26.0 lb)

## Additional Specifications

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- Mounting Bracket Drilled Accepts an ETS-Lindgren or Other Tripod Mount with Standard 1/4 in x 20 Threads
- Individually Calibrated at 1 m per SAE ARP 958.
- Actual Factors and a Signed Certificate of Calibration Conformance Provided
- Manual

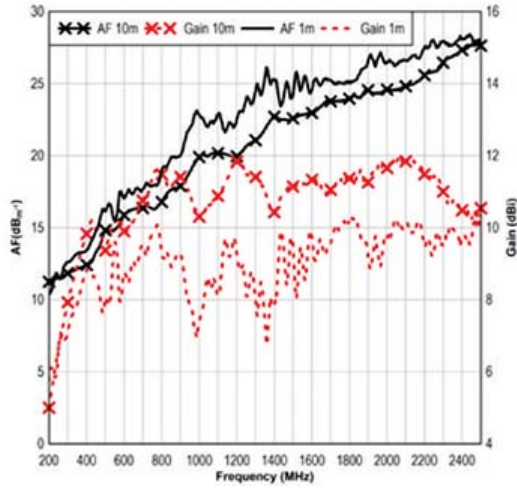
## Product Options

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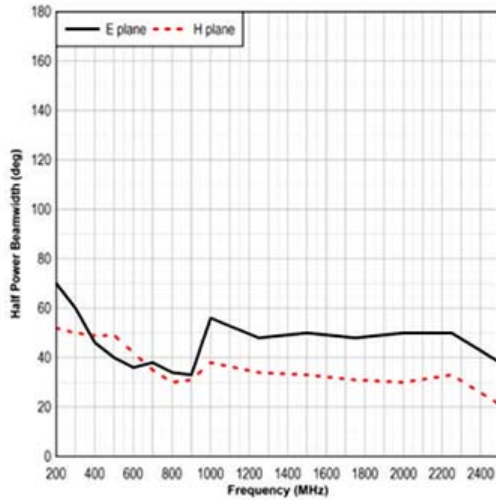
ETS-Lindgren Offers Several Non-metallic, Non-reflective Tripods

# Product Charts

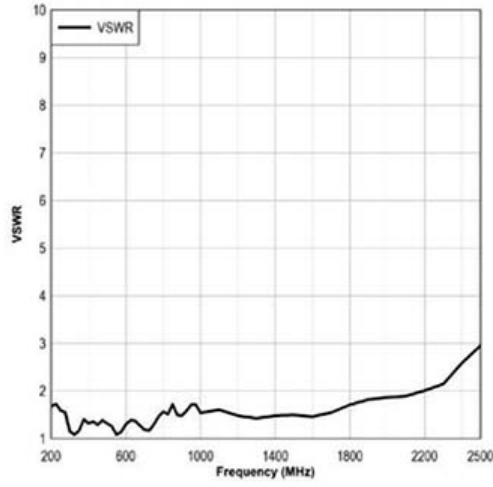
**3106B Double-Ridged Guide Antenna  
AF and Gain**



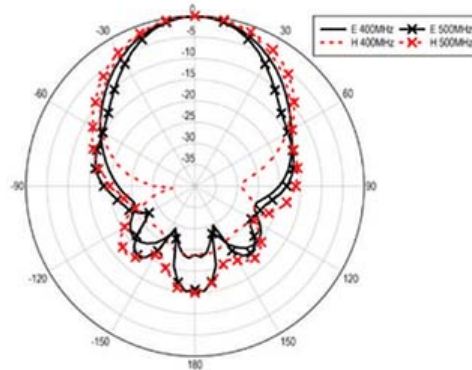
**3106B Double-Ridged Guide Antenna  
Half Power Beamwidth**



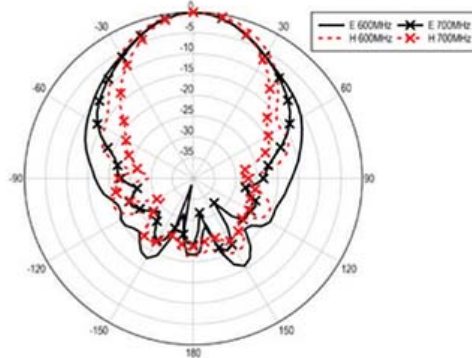
**3106B Double-Ridged Guide Antenna VSWR**



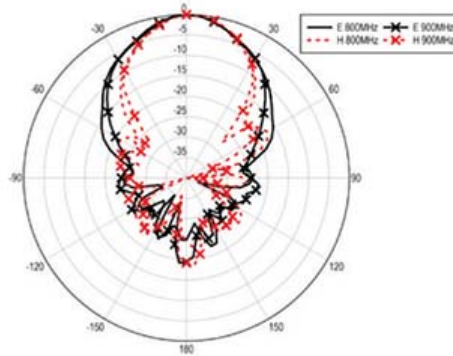
**3106B Double-Ridged Guide Antenna Measured Patterns E and H Plane 400 MHz and 500 MHz**



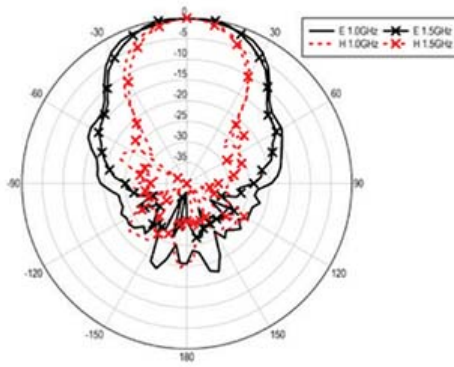
**3106B Double-Ridged Guide Antenna Measured Patterns E and H Plane 600 MHz and 700 MHz**



**3106B Double-Ridged Guide Antenna Measured Patterns E and H Plane 800 MHz and 900 MHz**



**3106B Double-Ridged  
Guide Antenna  
Measured Patterns  
E and H Plane  
1000 MHz and 1500 MHz**



**3106B Double-Ridged  
Guide Antenna  
Measured Patterns  
E and H Plane  
2000 MHz and 2500 MHz**

