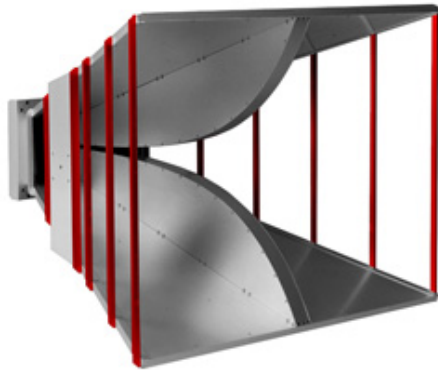


3106B DOUBLE-RIDGED GUIDE ANTENNA

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 through its frequency span, providing efficient performance 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

Electrical Specifications

Frequency Minimum: 200 MHz

Frequency Maximum: 2.5 GHz

Connectors: Type N Female (Standard)

Impedance (Nominal): 50 Ω

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

Height: 72.9 cm (28.70 in)

Length: 97.8 cm (38.50 in)

Width: 93.3 cm (36.7 in)

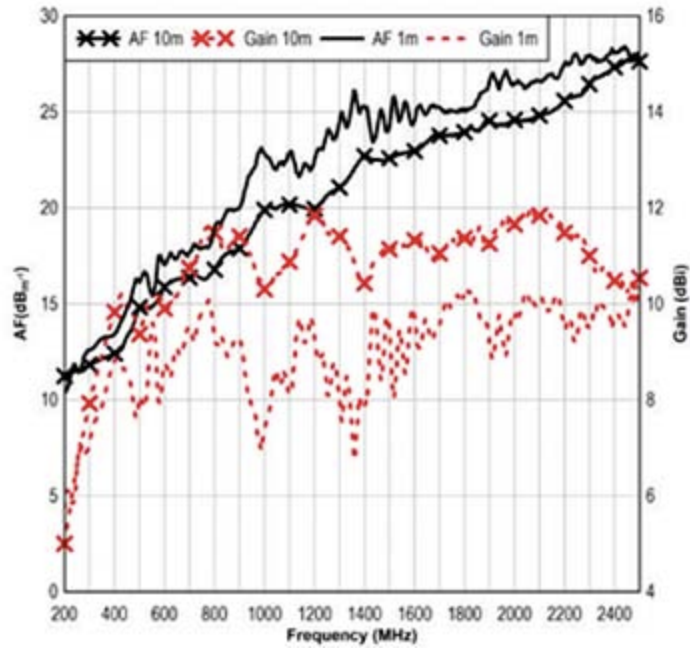
Weight : 11.8 kg (26.0 lb)

Other Specifications

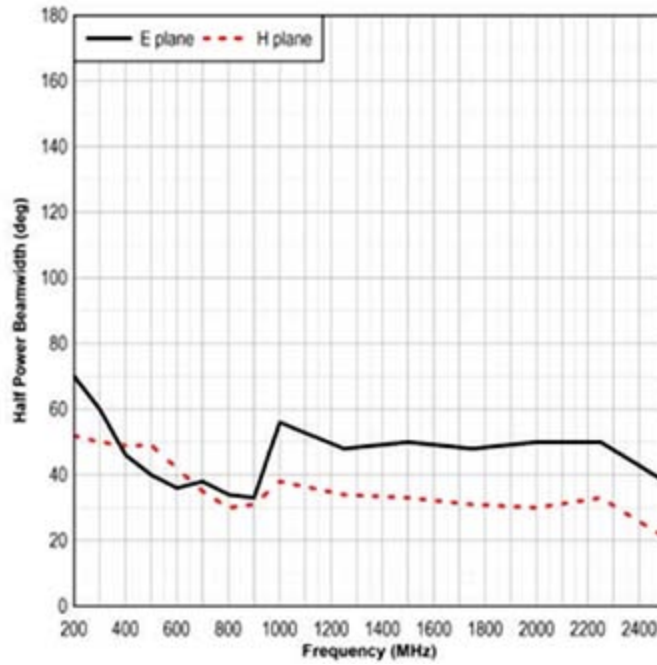
- **Mounting Bracket Drilled Accepts an ETS-Lindgren or Other Tripod Mount with Standard 1/4 in x 20 Threads**
- **Individually Calibrated at 1 m per SAE ARP 958.**
- **Actual Factors and a Signed Certificate of Calibration Conformance Provided**
- **Manual**

Product Charts

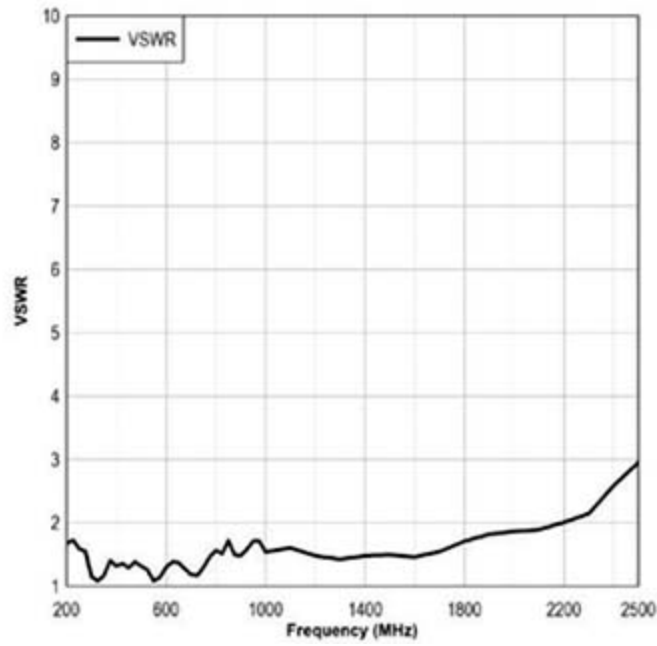
3106B Double-Ridged Guide Antenna AF and Gain



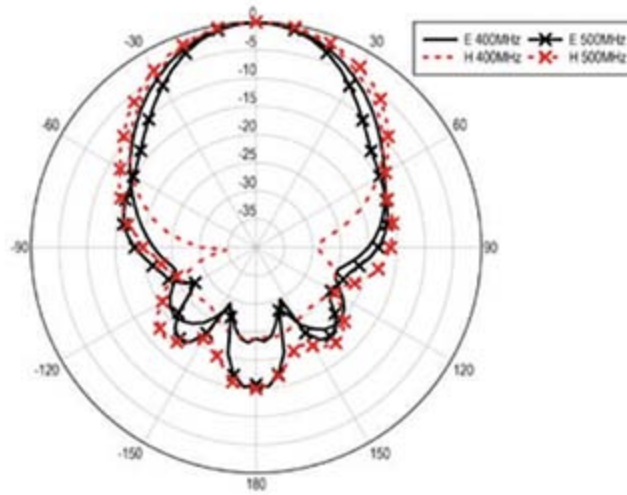
3106B Double-Ridged Guide Antenna Half Power Beamwidth



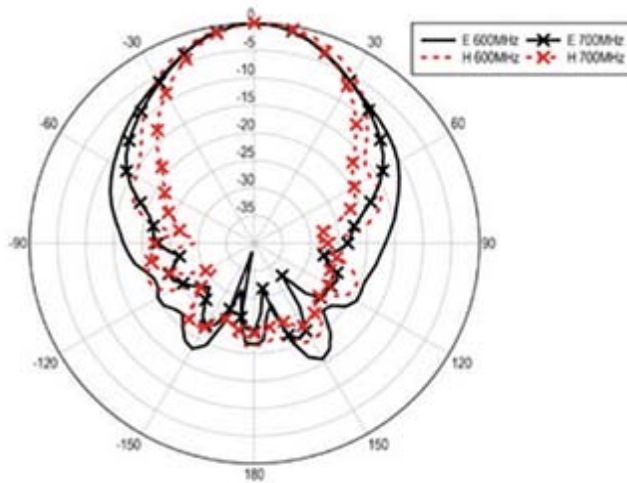
**3106B Double-Ridged
Guide Antenna
VSWR**



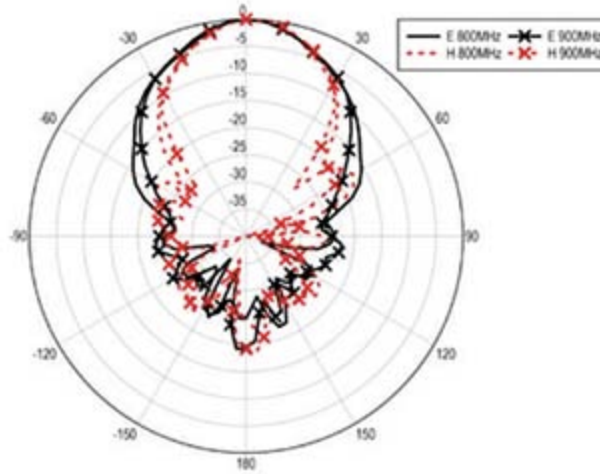
**3106B Double-Ridged
Guide Antenna
Measured Patterns
E and H Plane
400 MHz and 500 MHz**



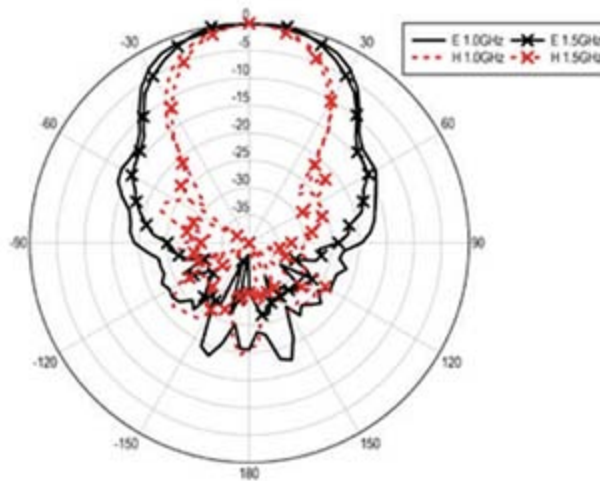
**3106B Double-Ridged
Guide Antenna
Measured Patterns
E and H Plane
600 MHz and 700 MHz**



**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**

