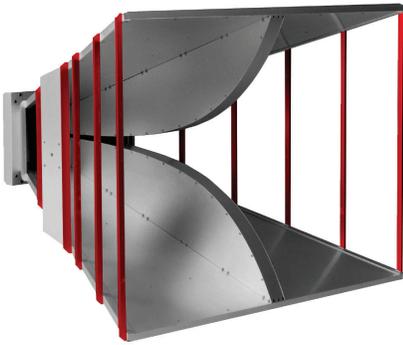


# ANTENNA MODEL 3106B



## MODEL 3106B

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

**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 also 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.

### Optional FlexSorb™ Treatment

With FlexSorb, you can enjoy the same excellent performance characteristics as our traditional absorbers with the advantages of improved durability. FlexSorb is a special absorber treatment that allows an absorber to bend but not break. It's ideal for high traffic areas like chamber doorways and interior walls, or for tests that require an anechoic floor treatment. Since FlexSorb is also non-hygroscopic, its weight does not change in the presence of atmospheric moisture.

### Technical Specifications

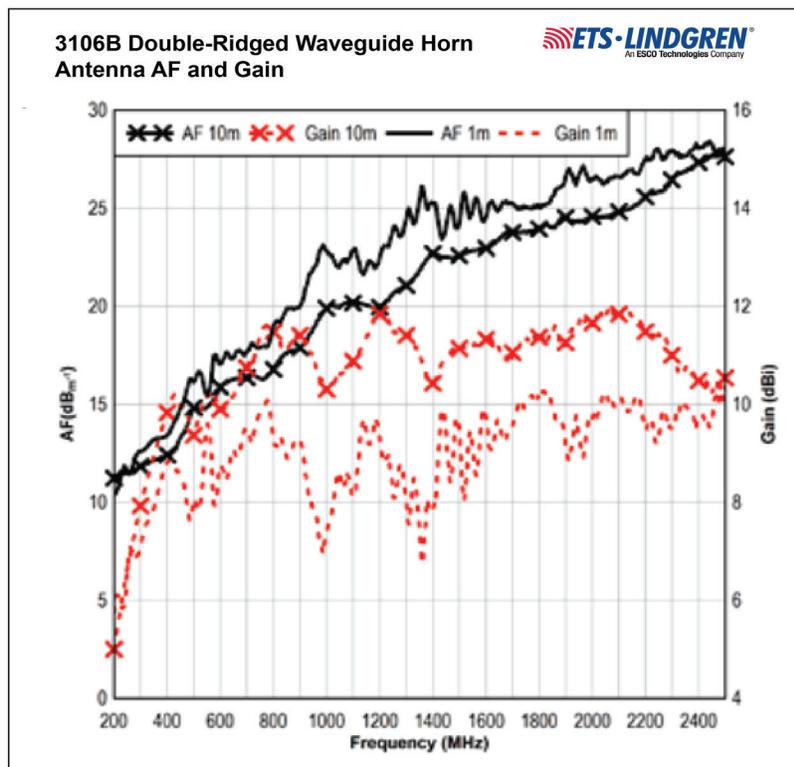
Electrical	
Frequency Minimum	200 MHz
Frequency Maximum	2.5 GHz
Connectors	Type N Female (Standard)
Impedance (Nominal)	50
VSWR	<1.6:1
Pattern Type	Directional
Polarization	Linear
Physical	
Height	72.9 cm (28.70 in)
Width	93.3 cm (36.7 in)
Depth	97.8 cm (38.50 in)
Weight	11.8 kg (26.0 lb)

# ANTENNA MODEL 3106B

## Physical Specifications

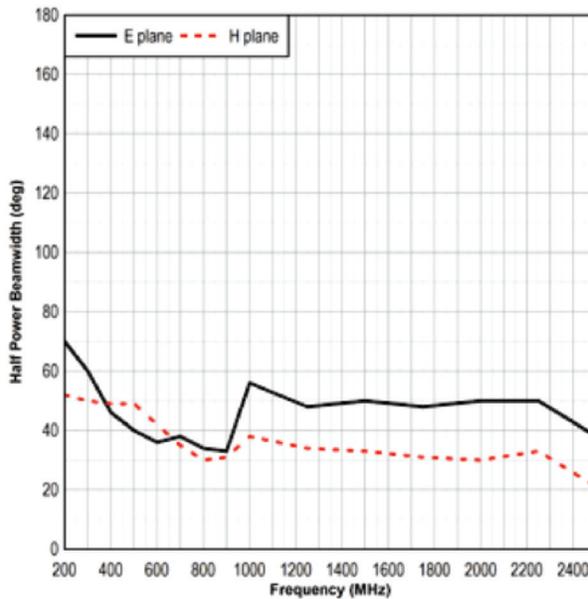
Model	Power Rating <sup>1</sup>	Power Rating
3106B (Standard with Type N Connector)	<300 MHz 300 MHz to 1 GHz 1 GHz to 2.5 GHz	1.0 kW 500W 300W
3106B-7/16 DIN	<300 MHz 300 MHz to 1 GHz 1 GHz to 2.5 GHz	1.6 kW 800W 500W
3106B-SC	<300 MHz 300 MHz to 1 GHz 1 GHz to 2.5 GHz	1.0 kW 500W 300W

<sup>1</sup>Power rating reflects a typical value for an N-Type connector after derating for VSWR.

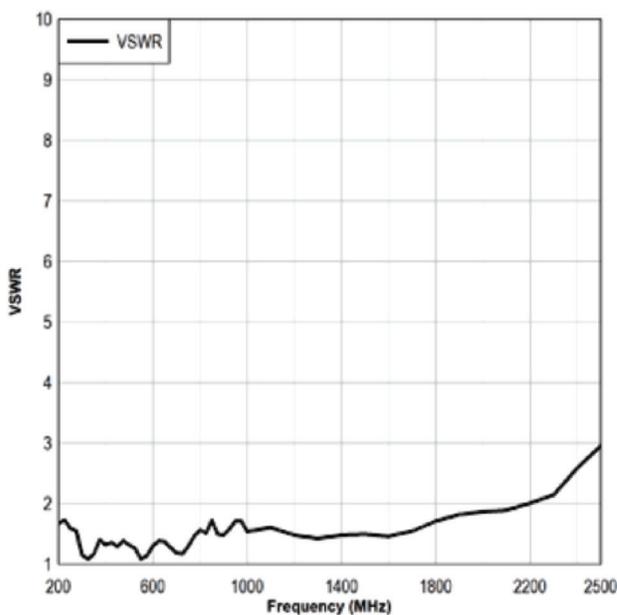


# ANTENNA MODEL 3106B

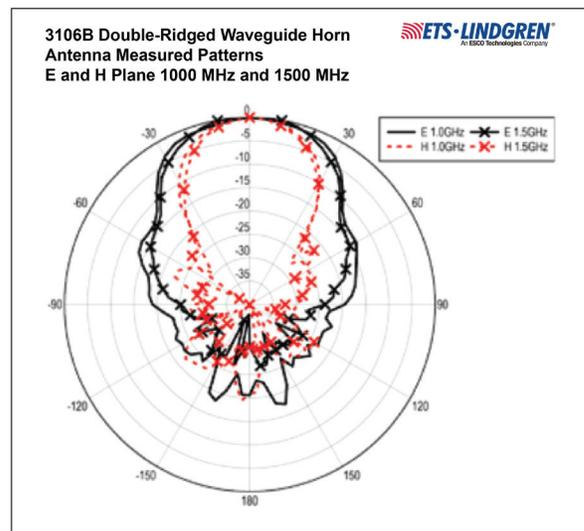
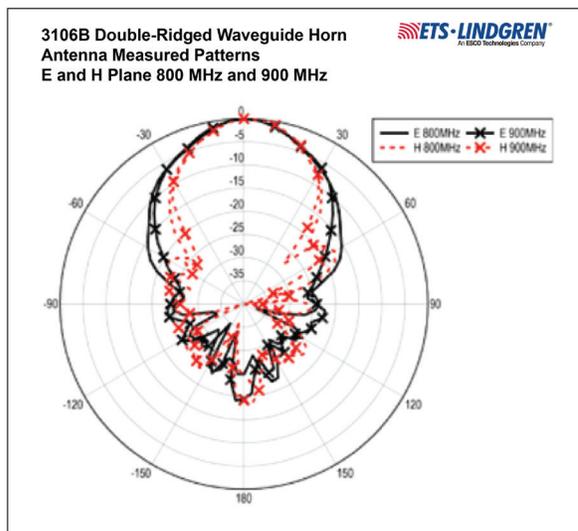
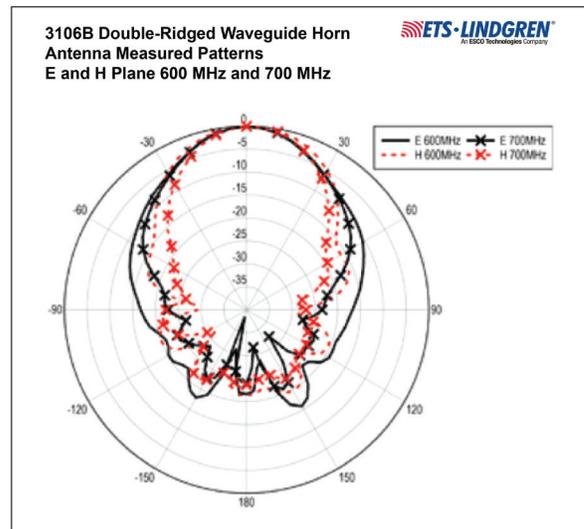
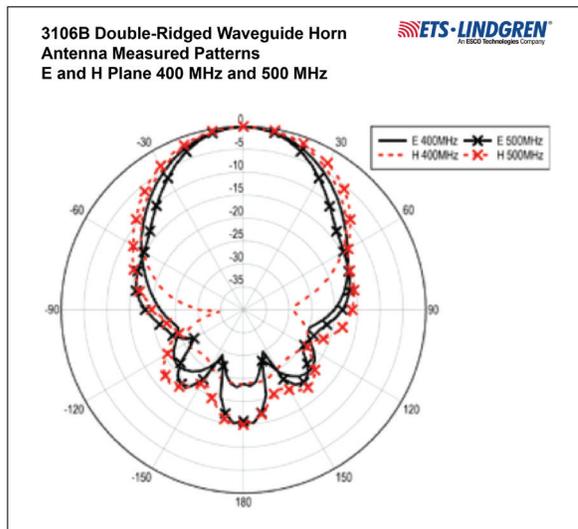
3106B Double-Ridged Waveguide Horn  
Antenna Half Power Beamwidth



3106B Double-Ridged Waveguide Horn  
Antenna VSWR



# ANTENNA MODEL 3106B



# ANTENNA MODEL 3106B

