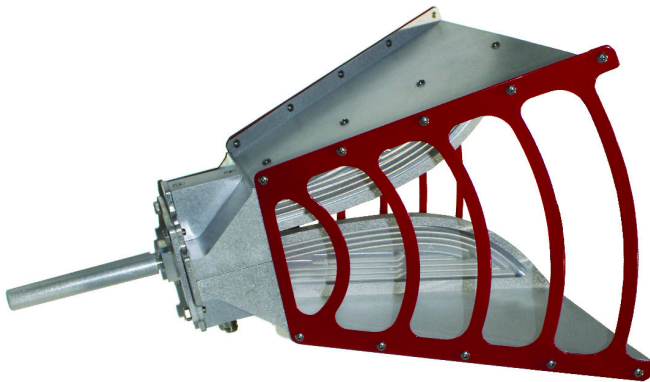


3119B Double-Ridged Waveguide Horn

ETS-Lindgren's Model 3119B Double-Ridged Waveguide Horn is the latest addition to our family of double-ridged waveguides for wireless and EMC measurement.



Key Features

- Ultra Broadband
- 400 MHz to 6 GHz
- 1500 W Power Input Capacity
- Optimized High Frequency Gain
- Low VSWR
- Flexible Mounting

ETS-Lindgren's Model 3119B Double-Ridged Waveguide Horn is the latest addition to our family of double-ridged waveguides for wireless and EMC measurement. Users of this antenna benefit from uniform illumination of target surfaces and accurate gain measurement.

Specifications

View the 3119B Double-Ridged Waveguide Horn technical specifications below

Physical Specifications

Height: 31.37 cm (12.35 in)

Width: 48.84 cm (19.23 in)

Depth: 40.00 cm (15.75 in)

Weight: 5.2 kg (11.5 lb)

Electrical Specifications

Frequency Minimum: 400 MHz

Frequency Maximum: 6 GHz

Maximum Continuous Power:

- 400 MHz: 1500 W
- 6 GHz: 800 W

Peak Power: 2500 W

Impedance (Nominal): 50

Pattern Type: Directional

Polarization: Linear

VSWR Ratio: (Average) 3.5:1 Maximum; <2:1 Above 500 MHz

Connectors: Type N

Product Options

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

- Custom Sizes for Other Models
- Custom Mounting Brackets
- Optional model with type 7/16 DIN connector

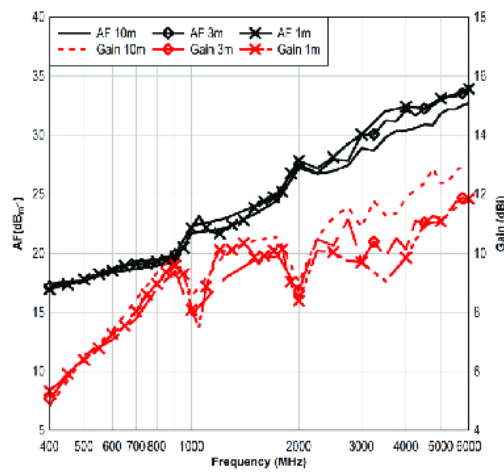
Product Configuration

- Antenna
- Mounting Bracket Drilled to Accept ETS-Lindgren or Other Tripod Mounts with 1/4 in x 20 Threads
- Rear "Stinger" for use with On-axis Mount Positioners
- Individually Calibrated at 1 m per SAE ARP 958 at our A2LA accredited lab and 3 m Calibration per ANSI C63.5. Actual antenna factors and a signed Certificate of Calibration Conformance included with manual.
- Manual

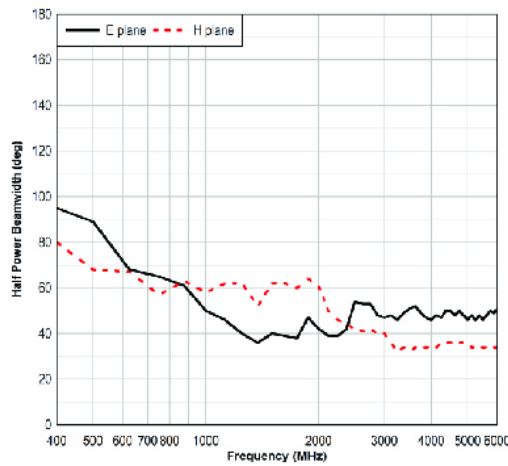
Charts

View the 3119B Double-Ridged Waveguide Horn charts below

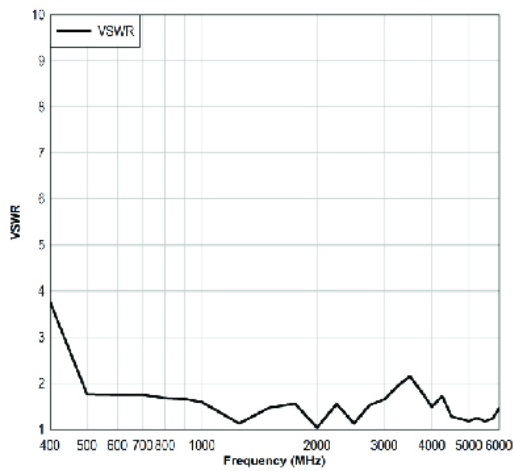
3119B Antenna Factor and Gain



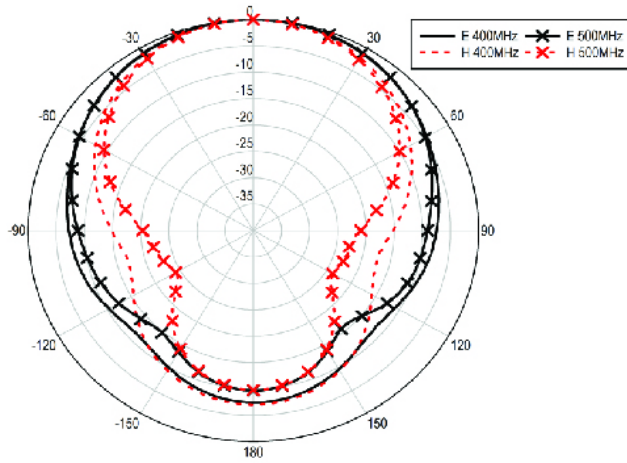
3119B Half Power Beamwidth



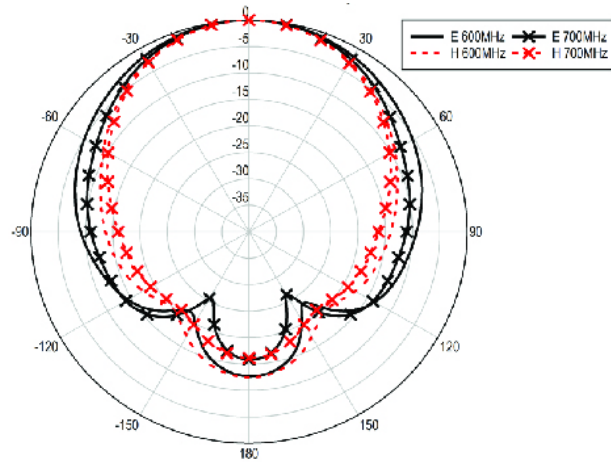
3119B VSWR



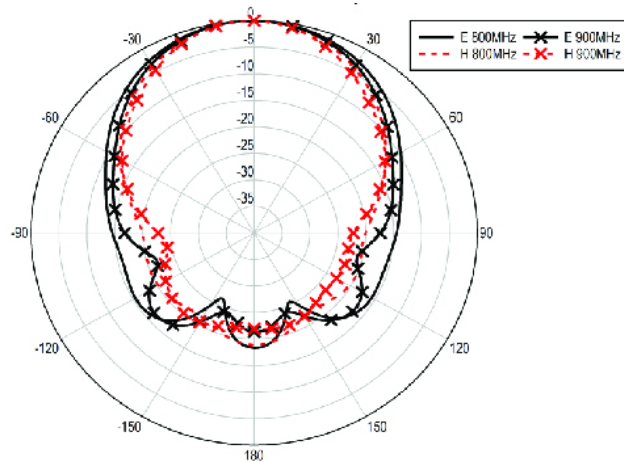
**3119B E and H Plane
400 MHz to 500 MHz**



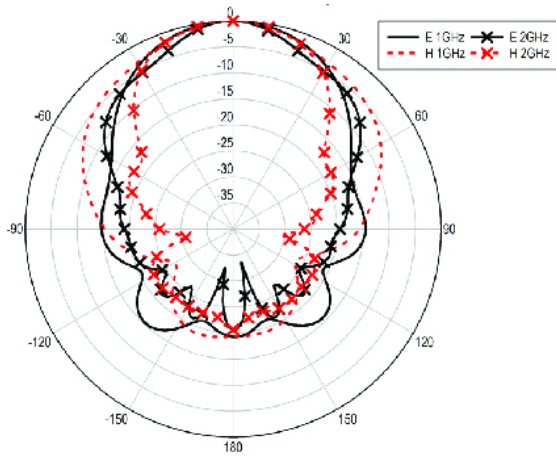
**3119B E and H Plane
600 MHz to 700 MHz**



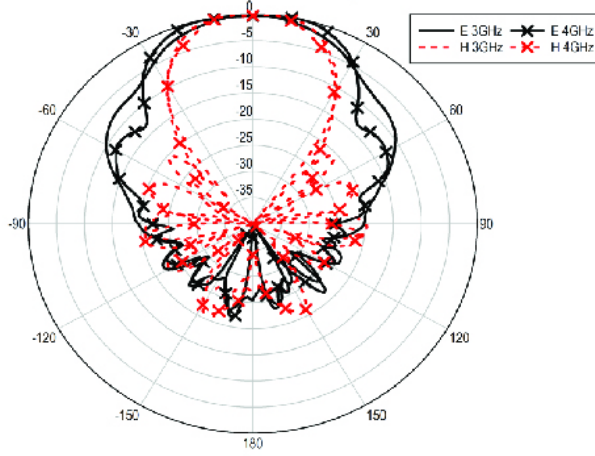
**3119B E and H Plane
800 MHz to 900 MHz**



**3119B E and H Plane
1 GHz to 2 GHz**



**3119B E and H Plane
3 GHz to 4 GHz**



**3119B E and H Plane
5 GHz to 6 GHz**

