

ANTENNA MODEL 3119B



MODEL 3119B

- 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.

Ultra Broadband

The Model 3119 sweeps from 400 MHz to 6 GHz without stopping for band breaks, making it ideal for automated testing.

Uniform Gain, Low VSWR

This antenna has a more uniform gain and antenna factor because of the better behavior of its radiation pattern. Since the pattern is stable, the gain and the AF also remain stable. Similar antennas of this class exhibit large variations of the gain and the AF as the frequency increases.

Power Input

The antennas high gain and low VSWR over its operating frequency translates into efficient amplifier use and high field strengths. The Model 3119 uses a Type N connector, and accepts up to 1500 watts of continuous input power, with up to 2500 watts of peak power.

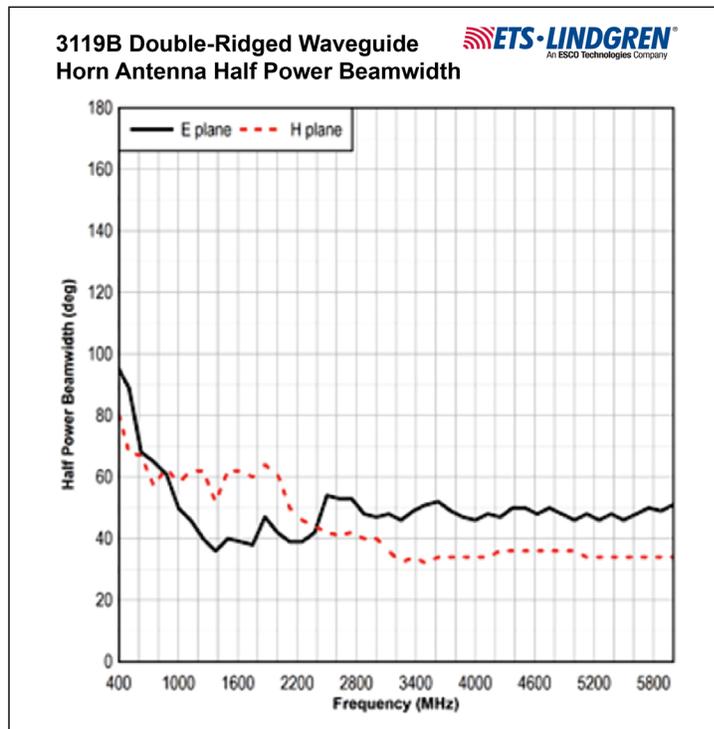
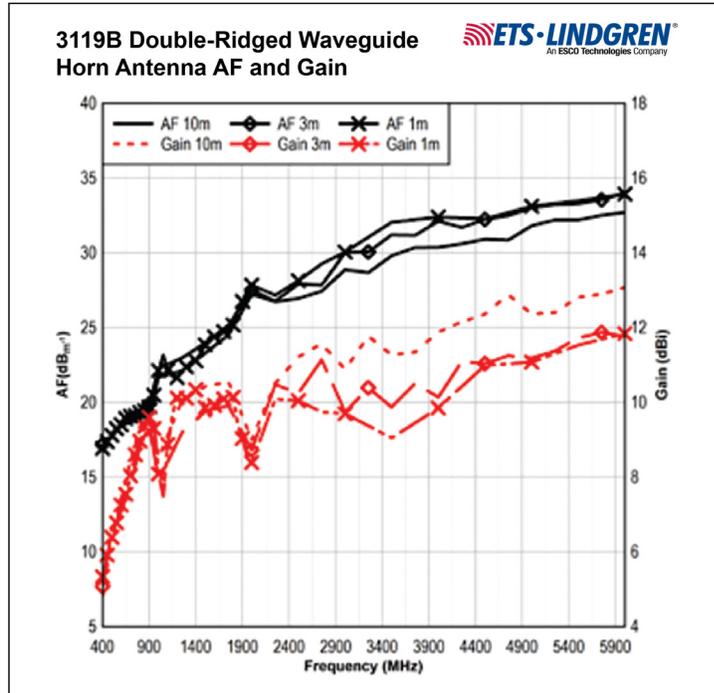
Flexible Mounting

This antenna includes both an EMCO tripod mount and rear stinger mount. The stinger mount permits on-axis rotation/polarization. The back plate has four (4) 3/8-16 threaded mounting holes for custom mounts.

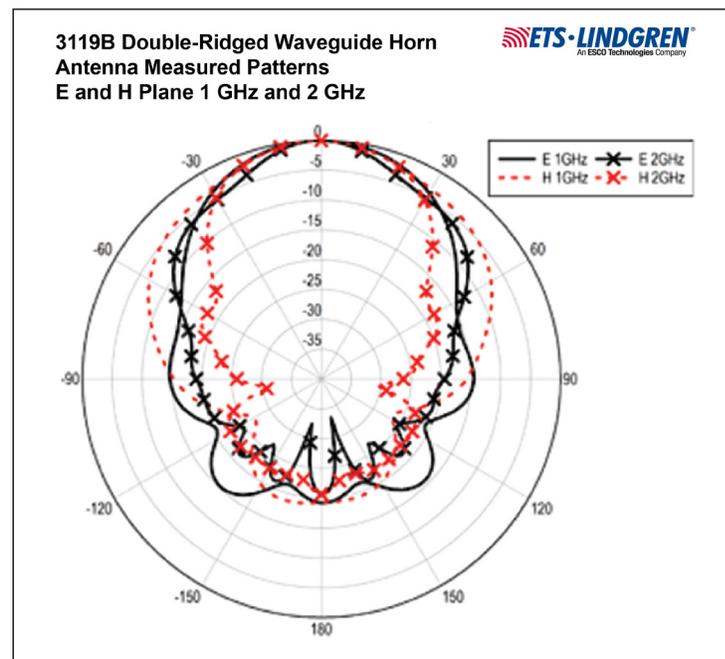
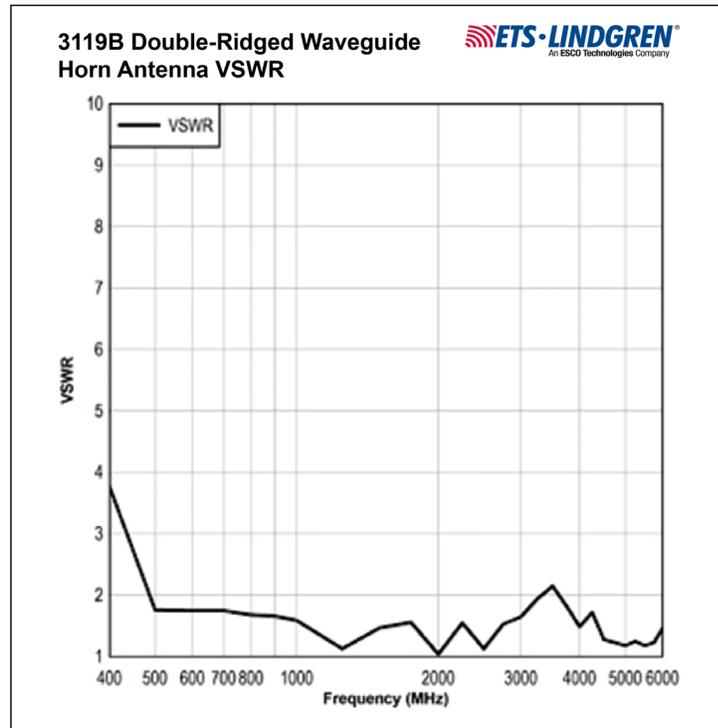
Technical Specifications

Electrical	
Frequency Minimum	400 MHz
Frequency Maximum	6 GHz
Connectors	Type N, 7/16 DIN
Impedance (Nominal)	50
Maximum Continuous Power	Type N - 400 MHz: 1 kW, 6GHz: 250 W Type 7/16 DIN - 400 MHz: 1.5 kW, 6GHz: 400 W
Peak Power	2500 W
VSWR Ratio (Average)	3.5:1 Maximum; <2:1 Above 500 MHz
Pattern Type	Directional
Polarization	Linear
Physical	
Height	31.37 cm (12.35 in)
Depth	40.00 cm (15.75 in)
Width	48.84 cm (19.23 in)
Weight	5.2 kg (11.5 lb)

ANTENNA MODEL 3119B



ANTENNA MODEL 3119B



ANTENNA MODEL 3119B

