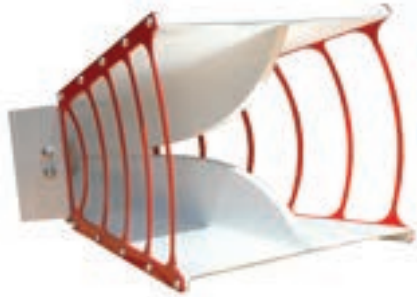


ANTENNA MODEL 3115



MODEL 3115

- Frequency Range 750 MHz to 18 GHz
- Uniform Gain
- Individually Calibrated
- Low VSWR Continuous Power Handling Capability 300W

ETS-Lindgren's 3115 Double-Ridged Guide Horn Antenna has been an industry standard for many years. This antenna has excellent gain and VSWR characteristics, it is small and portable with a width of 24.4 cm (9.6 in), and is now calibrated to 750 MHz.

Ultra Broadband

The Model 3115 sweeps from 750 MHz to 18 GHz without stopping for band breaks, making it ideal for automated testing. It has the widest usable frequency range of any antenna in its class, with no performance degradation from high order modes.

Power Input

This horn antenna uses a Type N precision connector and accepts up to 300 watts of continuous input power. The antenna's high gain and low VSWR over its operating frequency translates into efficient amplifier use and higher field strengths.

Construction

An antenna constructed to maximize structural integrity is better able to maintain its electrical properties. The benefits are better measurement repeatability, lower uncertainty values and longer calibration validity. Constructed of powder coated aluminum plate, the Model 3115 Double-Ridged Guide Antenna will provide years of trouble-free indoor and outdoor service.

Standard Configuration

- Model 3115 Antenna
- 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 APR 958. Actual antenna factors and a signed Certificate of Conformance are included with manual

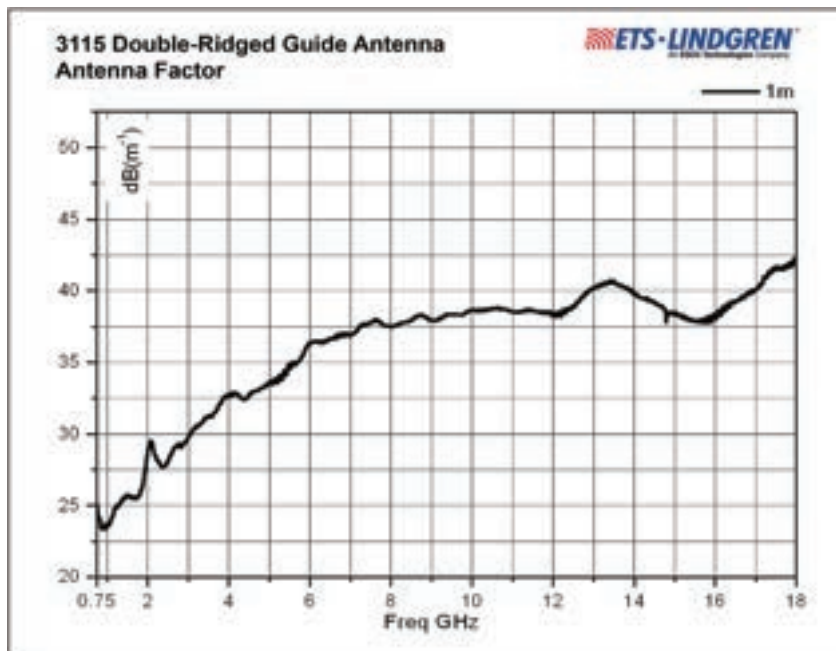
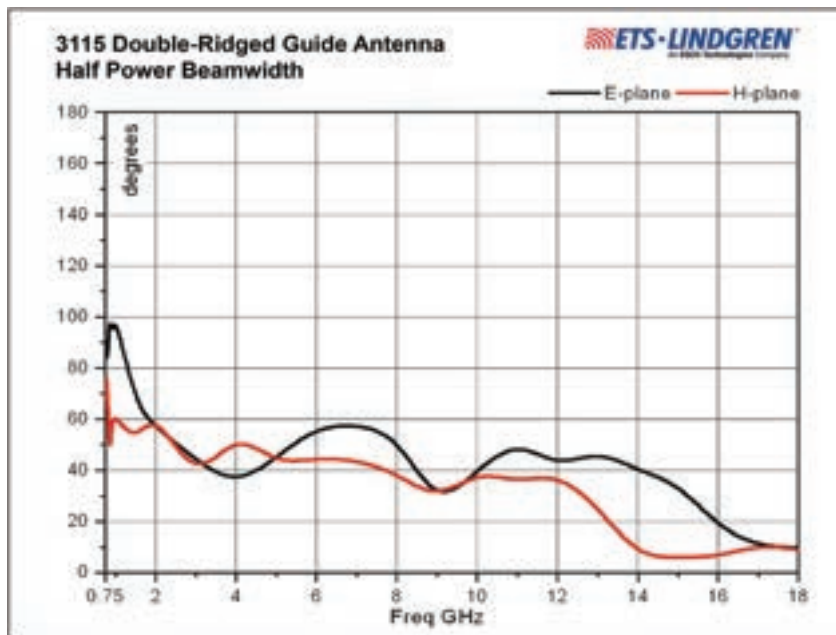
Options

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

Technical Specifications

Electrical	
Frequency Minimum	750 MHz
Frequency Maximum	18 GHz
Connectors	Precision N (f)
Impedance (Nominal)	50
Maximum Continuous Power	300 W
Peak Power	500 W
VSWR	2:1 (3:1 Max) > 1 GHz; 5:1 (Typical) @ 750 MHz
Pattern Type	Directional
Polarization	Linear
Physical	
Width	24.4 cm (9.6 in)
Length	20.6 cm (8.1 in)
Height	15.9 cm (6.2 in)
Weight	1.8 kg (4 lb)

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