

**3-D Patterns
Available at
www.ets-lindgren.com/3115**

Features

- **Ultra Broadband: 750 MHz - 18 GHz**
- **500 W Power Input Capacity**
- **Optimized High Frequency Gain**
- **Low VSWR**



ETS-Lindgren's Model 3115 Double-Ridged Waveguide Horn

The Model 3115 Double-Ridged Waveguide Horn has been an industry standard for many years. Now this classic has been given an updated appearance while keeping its performance characteristics the same. Stronger red side plates replace green PCB plates, the feed connector has been standardized to match other antennas in the series, and the antenna is now calibrated to 750 MHz.

Features

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.

Power Input

The Model 3115 uses a Type N precision connector and accepts up to 500 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. The Model 3115 is constructed to be a rugged antenna that thrives in an environment of constant use. This antenna includes a 1/4" x 20 tripod mount.

Standard Configuration

- Antenna Assembly
- Mounting bracket drilled to accept ETS-Lindgren or other tripod mounts with 1/4" x 20 threads
- Individually calibrated at 1 m per SAE ARP 958 at our A2LA accredited lab. 3 m calibration per ANSI C63.5 available at additional cost. Actual antenna factors and a signed Certificate of Calibration Conformance included with manual

Applications

FCC-15	FCC-18	IEC/CISPR/EN	SAE J1113	SAE J551	MIL-STD-461E	MIL-STD 285	NACSIM
RE	RE	RE, RI	RE, RI	RE, RI	RE, RI	TX, RX	RE

Electrical Specifications

MODEL	FREQUENCY RANGE	VSWR RATIO	MAXIMUM CONTINUOUS POWER	IMPEDANCE (NOMINAL)	CONNECTORS
3115	750 MHz - 18 GHz	5:1 max <2:1 above 800 MHz	500 W	50 Ω	Type N

Physical Specifications

MODEL	WIDTH	DEPTH	HEIGHT	WEIGHT
3115	24.4 cm 9.6 in	27.9 cm 11.0 in	15.9 cm 6.2 in	1.80 kg 4.0 lb

USA:

Tel +1.512.531.6400
Fax +1.512.531.6500

FINLAND:

Tel +358.2.8383.300
Fax +358.2.8651.233

UK:

Tel +44.(0)1438.730700
Fax +44.(0)1438.730751

FRANCE:

Tel +33.1.48.65.34.03
Fax +33.1.48.65.43.69

CHINA:

Tel +8610.8275.5086
Fax +8610.8275.5537

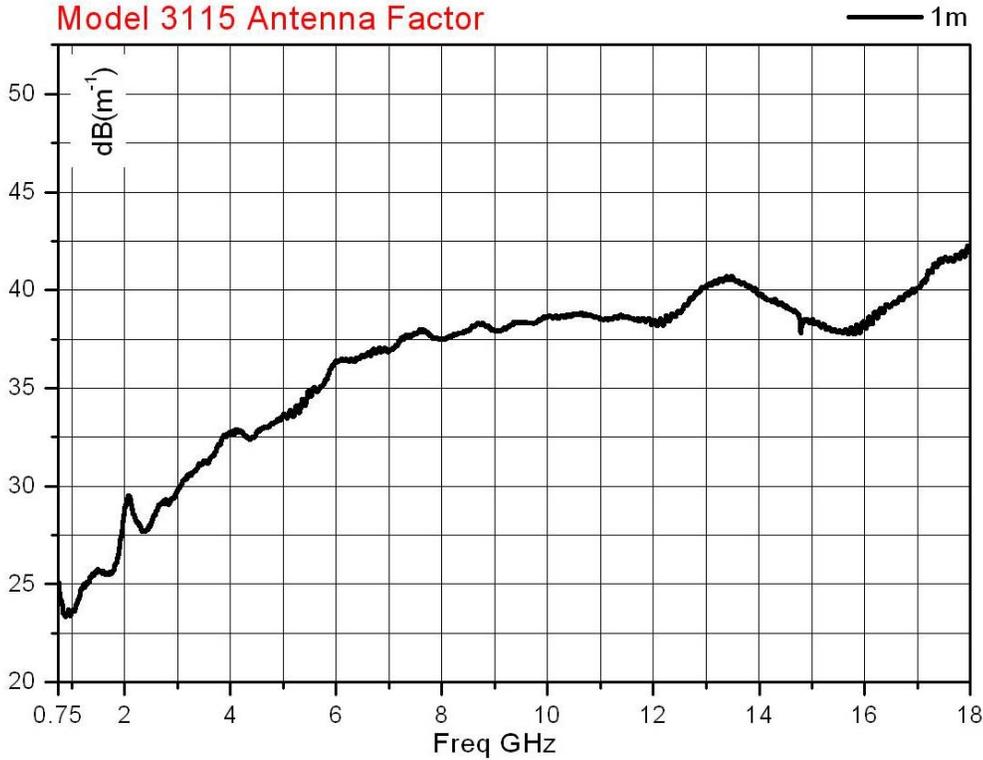
JAPAN:

Tel +81.3.3813.7100
Fax +81.3.3813.8068

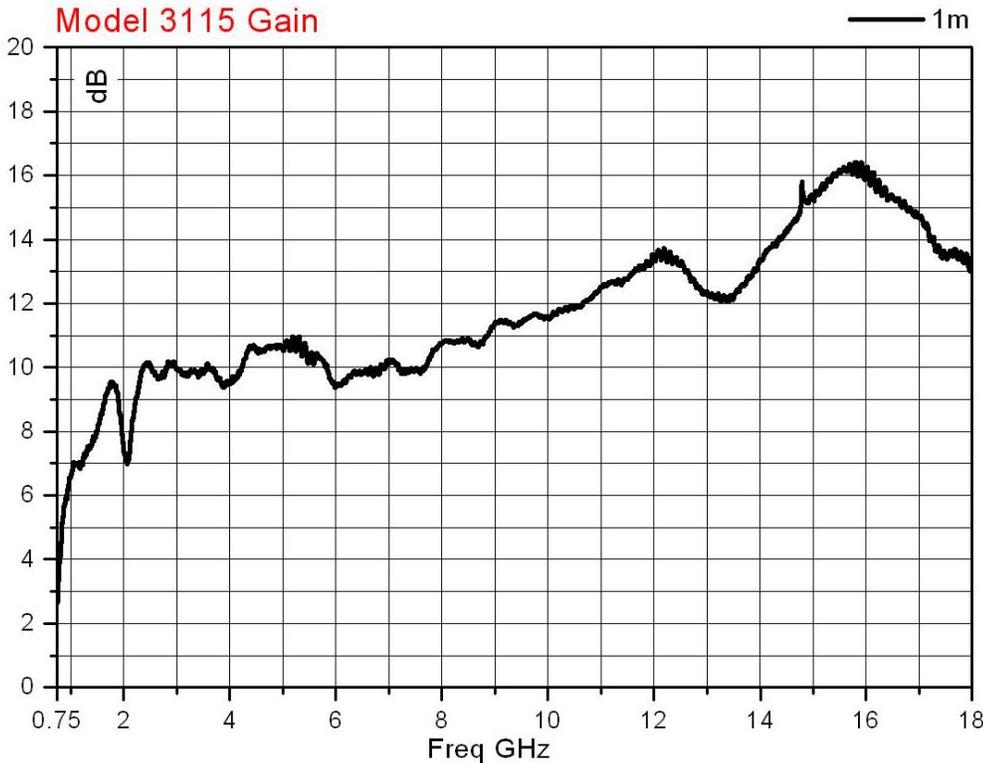
ONLINE:

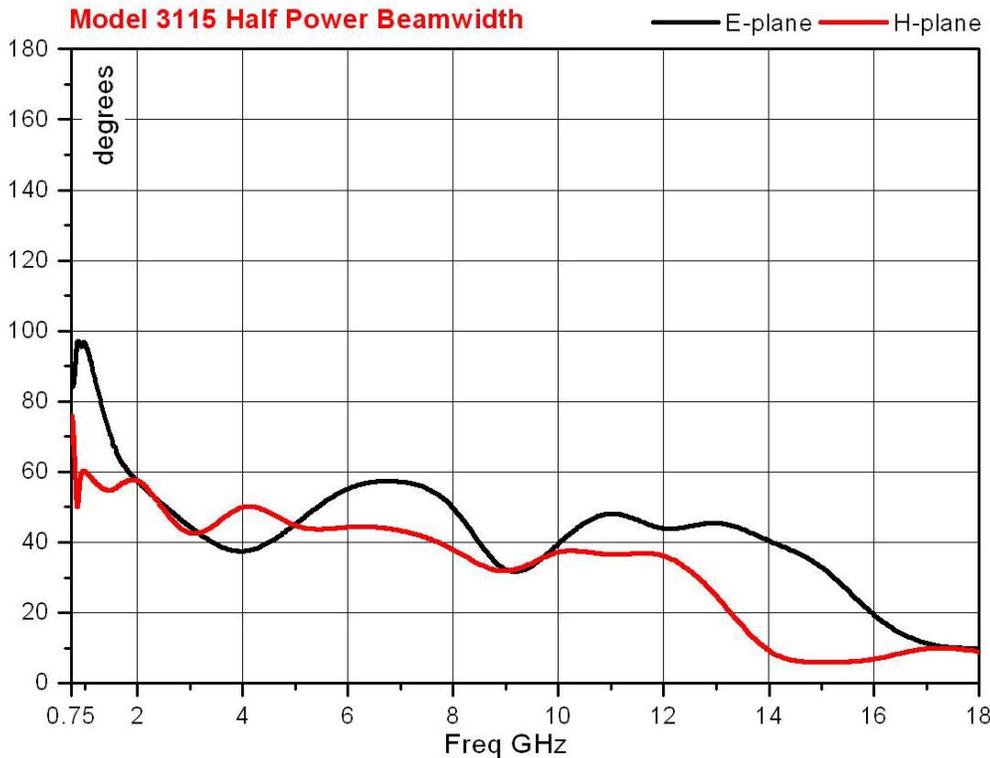
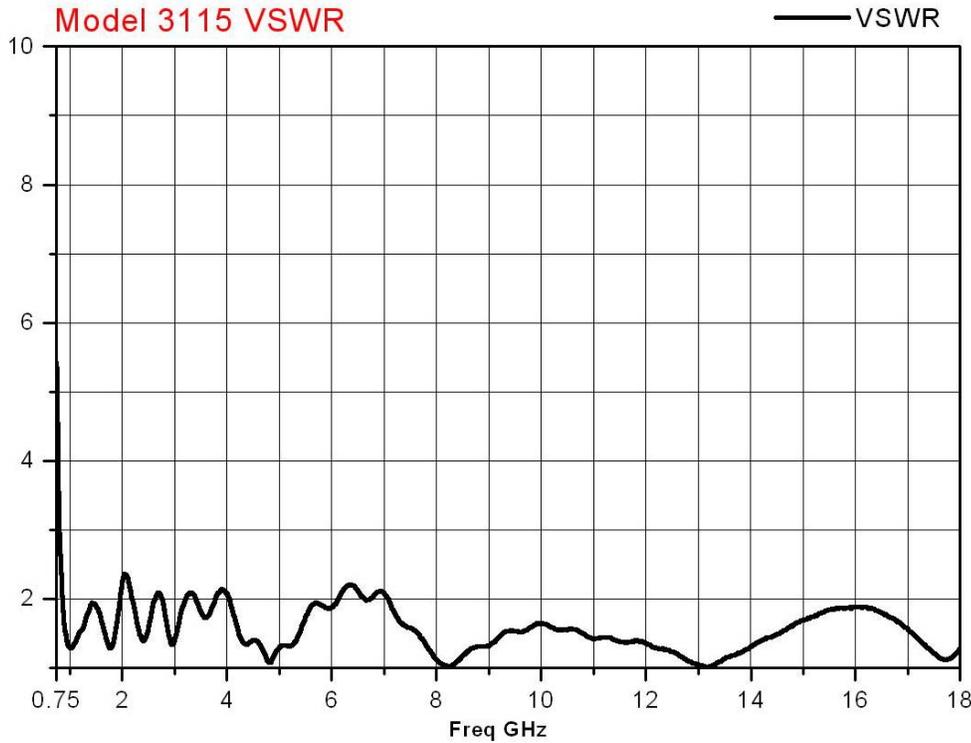
info@ets-lindgren.com
www.ets-lindgren.com

Model 3115 Antenna Factor



Model 3115 Gain





USA: Tel +1.512.531.6400 Fax +1.512.531.6500	FINLAND: Tel +358.2.8383.300 Fax +358.2.8651.233	UK: Tel +44.(0)1438.730700 Fax +44.(0)1438.730751	FRANCE: Tel +33.1.48.65.34.03 Fax +33.1.48.65.43.69	CHINA: Tel +8610.8275.5086 Fax +8610.8275.5537	JAPAN: Tel +81.3.3813.7100 Fax +81.3.3813.8068	ONLINE: info@ets-lindgren.com www.ets-lindgren.com
---	---	--	--	---	---	---