**Features**

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

**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 in 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

<table>
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<tr>
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<tbody>
<tr>
<td>RE</td>
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## Electrical Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FREQUENCY RANGE</th>
<th>VSWR RATIO</th>
<th>MAXIMUM CONTINUOUS POWER</th>
<th>IMPEDANCE (NOMINAL)</th>
<th>CONNECTORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3115</td>
<td>750 MHz - 18 GHz</td>
<td>5:1 max</td>
<td>500 W</td>
<td>50 Ω</td>
<td>Type N</td>
</tr>
</tbody>
</table>

### Electrical Specifications

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

## Physical Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>HEIGHT</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3115</td>
<td>24.4 cm</td>
<td>27.9 cm</td>
<td>15.9 cm</td>
<td>1.80 kg</td>
</tr>
</tbody>
</table>

### Physical Specifications

- **WIDTH**: 24.4 cm (9.6 in)
- **DEPTH**: 27.9 cm (11.0 in)
- **HEIGHT**: 15.9 cm (6.2 in)
- **WEIGHT**: 1.80 kg (4.0 lb)
EMC Antennas

Double-Ridged Waveguide Horn

Model 3115

Model 3115 Antenna Factor

Model 3115 Gain
Model 3115 VSWR

Model 3115 Half Power Beamwidth

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

Information presented is subject to change as product enhancements are made. Contact ETS-Lindgren Sales Department for current specifications.