Cell-Max™ Directional In-building Antenna, 698–960 MHz, 1710–2700 MHz

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Frequency Band, MHz</th>
<th>698–800</th>
<th>800–960</th>
<th>1710–2170</th>
<th>2200–2700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain, dBi</td>
<td>5.1</td>
<td>5.8</td>
<td>8.7</td>
<td>6.9</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>128</td>
<td>94</td>
<td>60</td>
<td>54</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>85.0</td>
<td>82.0</td>
<td>57.0</td>
<td>38.0</td>
</tr>
<tr>
<td>VSWR</td>
<td>Return Loss, dB</td>
<td>1.8</td>
<td>10.9</td>
<td>1.5</td>
</tr>
<tr>
<td>PIM, 3rd Order, 2 x 20 W, dBC</td>
<td>-140</td>
<td>-140</td>
<td>-140</td>
<td>-140</td>
</tr>
<tr>
<td>Input Power per Port, maximum, watts</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Polarization</td>
<td>Vertical</td>
<td>Vertical</td>
<td>Vertical</td>
<td>Vertical</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
</tr>
</tbody>
</table>

**Electrical Note**
PIM specifications are less than or equal to the stated value

**Product Classification**

**Brand**
Cell-Max™

**Product Type**
In-building antenna

**General Specifications**

**Antenna Type**
Directional

**Application**
Indoor

**Operating Frequency Band**
1710 – 2700 MHz | 698 – 960 MHz

**Mount Type**
4-hole wall mounting plate and hardware (included)

**Package Quantity**
1

**Pigtail Cable**
670-1415XE, plenum rated

**Mechanical Specifications**

**Color**
White

**Pigtail Length**
500.0 mm | 19.7 in

**Radome Material**
ABS

**RF Connector Interface**
N Female
Environmental Specifications

Operating Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity: Up to 100%

Dimensions

Depth: 44.0 mm | 1.7 in
Length: 210.0 mm | 8.3 in
Width: 180.0 mm | 7.1 in
Net Weight: 0.6 kg | 1.4 lb

Packed Dimensions

Depth: 55.0 mm | 2.2 in
Length: 250.0 mm | 9.8 in
Width: 190.0 mm | 7.5 in
Shipping Weight: 0.8 kg | 1.7 lb
CELLMAX-D-CPUSEi

Outline Drawing

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS 2011/65/EU</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td></td>
</tr>
</tbody>
</table>