Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg,

This product will be discontinued on: January 31, 2020

Replaced By

CMAX-3030S1-43-V53  Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, (2x 617–960 MHz, 1695–2700 MHz) and 2x 3300-4200 MHz, 30-Deg,

Electrical Specifications

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain, dBi</td>
<td>13.1</td>
<td>13.9</td>
<td>12.4</td>
<td>13.0</td>
<td>13.2</td>
<td>14.4</td>
<td>14.3</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>39</td>
<td>35</td>
<td>39</td>
<td>36</td>
<td>35</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>38.0</td>
<td>33.0</td>
<td>38.0</td>
<td>35.0</td>
<td>34.0</td>
<td>29.0</td>
<td>29.0</td>
</tr>
<tr>
<td>Horizontal Sidelobe, dB</td>
<td>17</td>
<td>17</td>
<td>17</td>
<td>17</td>
<td>17</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Front-to-Back Ratio, Copolarization 180° ± 30°, dB</td>
<td>28</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Isolation, Cross Polarization, dB</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>VSWR</td>
<td>Return Loss, dB</td>
<td>1.5</td>
<td>14.0</td>
<td>1.5</td>
<td>14.0</td>
<td>1.5</td>
<td>14.0</td>
</tr>
<tr>
<td>Input Power per Port, maximum, watts</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Polarization</td>
<td>±45°</td>
<td>±45°</td>
<td>±45°</td>
<td>±45°</td>
<td>±45°</td>
<td>±45°</td>
<td>±45°</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
<td>50 ohm</td>
</tr>
</tbody>
</table>

Product Classification

Brand  Cell-Max™

General Specifications

Antenna Type  Directional
Application  Indoor | Outdoor
Includes  Mounting bracket
Number of Ports, all types  2
Package Quantity  1

Mechanical Specifications

Color  White
Radome Material  Fiberglass, UV resistant
RF Connector Interface: 4.3-10 Female
Wind Loading, maximum: 2,128.0 N @ 216 km/h | 478.4 lbf @ 216 km/h
Wind Speed, maximum: 216 km/h | 134 mph

Environmental Specifications

- Operating Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
- Relative Humidity: Up to 100%
- Vibration Test Method: ASTM D4169 | IEC 60068-2-6

Dimensions

- Depth: 120.0 mm | 4.7 in
- Length: 760.0 mm | 29.9 in
- Width: 760.0 mm | 29.9 in
- Net Weight: 12.0 kg | 26.5 lb
- Net Weight, with mounting kit: 18.0 kg | 39.7 lb

Packed Dimensions

- Depth: 218.0 mm | 8.6 in
- Length: 1012.0 mm | 39.8 in
- Width: 805.0 mm | 31.7 in
- Shipping Weight: 22.0 kg | 48.5 lb

Regulatory Compliance/Certifications

- Agency: RoHS 2011/65/EU
- Classification: RoHS 2011/65/EU