Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 60°, 8.0 dBi

Product Classification

Product Type: Over-the-head stadium antenna
Product Brand: Cell-Max™

General Specifications

Application: Indoor/Outdoor
Antenna Type: Directional
Antenna Array Characteristic: MIMO 2x2
Polarization: ±45°
Color: White (RAL 9016)
Number of Ports: 2
Radome Material: ABS, UV resistant
RF Connector Interface: 4.3-10 Female

Dimensions

Width: 299.7 mm | 11.799 in
Depth: 124.5 mm | 4.902 in
Length: 299.7 mm | 11.799 in
Outline Drawing

Electrical Specifications

**Impedance**  
50 ohm

**Lightning Protection**  
dc Ground

**Electrical Note**  
Values typical, unless otherwise stated

### Electrical Specifications

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</thead>
<tbody>
<tr>
<td><strong>Gain, dBi</strong></td>
<td>8.6</td>
<td>9.2</td>
<td>9.3</td>
<td>9.1</td>
<td>9.3</td>
<td>9.7</td>
<td>9.4</td>
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<tr>
<td><strong>Beamwidth, Horizontal, degrees</strong></td>
<td>60</td>
<td>59</td>
<td>55</td>
<td>54</td>
<td>56</td>
<td>59</td>
<td>61</td>
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<tr>
<td><strong>Beamwidth, Vertical, degrees</strong></td>
<td>61</td>
<td>58</td>
<td>56</td>
<td>58</td>
<td>58</td>
<td>57</td>
<td>59</td>
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<tr>
<td><strong>Front-to-Back Total Power at 180° ± 30°, dB</strong></td>
<td>24</td>
<td>26</td>
<td>24</td>
<td>26</td>
<td>28</td>
<td>26</td>
<td>28</td>
</tr>
<tr>
<td><strong>CPR at Boresight, dB</strong></td>
<td>24</td>
<td>24</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
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<tr>
<td><strong>Isolation, Cross Polarization, dB</strong></td>
<td>30</td>
<td>30</td>
<td>30</td>
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<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>
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<tr>
<td><strong>Input Power per Port, maximum, watts</strong></td>
<td>200</td>
<td>200</td>
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### Mechanical Specifications

**Wind Loading @ Velocity, maximum**  
294.0 N @ 216 km/h (66.1 lbf @ 216 km/h)
Wind Speed, maximum 216 km/h | 134.216 mph

Environmental Specifications

Operating Temperature -40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity Up to 100%
Ingress Protection Test Method IEC 60529:2001, IP65
Vibration Test Method ASTM D4169 | IEC 60068-2-6

Packaging and Weights

Width, packed 350 mm | 13.78 in
Depth, packed 230 mm | 9.055 in
Length, packed 520 mm | 20.472 in
 Included Mounting bracket
Packaging quantity 1
Weight, gross 7.3 kg | 16.094 lb
Weight, net 2.9 kg | 6.393 lb

Regulatory Compliance/Certifications

Agency Classification
CHINA-ROHS Below maximum concentration value
REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS Compliant
UK-ROHS Compliant