Cell-Max™ Low PIM Directional High Capacity Venue Over the Head (4x4 MIMO) Antenna, 1695–2700, 3300–4200 MHz

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 4x4
Polarization: ±45°
Color: Light Gray (RAL 7035)
Number of Ports: 4
Radome Material: PVC
RF Connector Interface: 4.3-10 Female

Dimensions

Width: 164 mm | 6.457 in
Depth: 115 mm | 4.528 in
Length: 426 mm | 16.772 in

Electrical Specifications

Impedance: 50 ohm
Lightning Protection: dc Ground
Operating Frequency Band: 1695 – 2700 MHz | 3300 – 4200 MHz
Electrical Note: Values typical, unless otherwise stated

Electrical Specifications

<table>
<thead>
<tr>
<th>Frequency Band, MHz</th>
<th>1695–2200</th>
<th>2200–2700</th>
<th>3300–4200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain, dBi</td>
<td>8.9</td>
<td>8.9</td>
<td>8.7</td>
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</table>

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Beamwidth, Horizontal, degrees   63   64   60
Beamwidth, Vertical, degrees     64   64   60
Front-to-Back Ratio, Copolarization 180° ± 30°, dB  22   22   20
Isolation, Cross Polarization, dB  22   22   22
VSWR | Return loss, dB            1.5 | 14.0 1.5 | 14.0 1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBC     -153  -153  -153
Input Power per Port, maximum, watts 100  100  100

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

Packaging and Weights

Width, packed                      350 mm | 13.78 in
Depth, packed                      190 mm | 7.48 in
Length, packed                     470 mm | 18.504 in
Included                           Mounting bracket
Net Weight, with mounting kit     4.5 kg | 9.921 lb
Packaging quantity                 1
Weight, gross                      5.5 kg | 12.125 lb
Weight, net                        2.6 kg | 5.732 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