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

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: 4
Radome Material: Fiberglass, UV resistant
RF Connector Interface: 4.3-10 Female

Dimensions

Width: 756 mm | 29.764 in
Depth: 118 mm | 4.646 in
Length: 756 mm | 29.764 in

Electrical Specifications

Impedance: 50 ohm
Lightning Protection: dc Ground
Operating Frequency Band: 1710 – 2700 MHz | 3300 – 4200 MHz | 617 – 698 MHz | 698 – 960 MHz
Electrical Note: Values typical, unless otherwise stated

Electrical Specifications

<table>
<thead>
<tr>
<th></th>
<th></th>
<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>12</td>
<td>13.1</td>
<td>14</td>
<td>12.4</td>
<td>13.2</td>
<td>13.6</td>
<td>15</td>
<td>14.6</td>
<td>14.7</td>
</tr>
<tr>
<td>Parameter</td>
<td>44</td>
<td>38</td>
<td>33</td>
<td>39</td>
<td>37</td>
<td>35</td>
<td>30</td>
<td>31</td>
<td>29</td>
</tr>
<tr>
<td>----------------------------------------------------</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>40</td>
<td>38</td>
<td>32</td>
<td>38</td>
<td>37</td>
<td>35</td>
<td>29</td>
<td>31</td>
<td>30</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>40</td>
<td>38</td>
<td>32</td>
<td>38</td>
<td>37</td>
<td>35</td>
<td>29</td>
<td>31</td>
<td>30</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>
<td>17</td>
<td>15</td>
</tr>
<tr>
<td>Front-to-Back Ratio, Copolarization 180° ± 30°, dB</td>
<td>25</td>
<td>28</td>
<td>30</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>Isolation, Cross Polarization, dB</td>
<td>25</td>
<td>28</td>
<td>30</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>VSWR</td>
<td>Return loss, dB</td>
<td>1.7</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.5</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>
<td>200</td>
<td>200</td>
</tr>
</tbody>
</table>

Mechanical Specifications

**Wind Loading @ Velocity, maximum** 2,128.0 N @ 216 km/h (478.4 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** 805 mm | 31.693 in

**Depth, packed** 218 mm | 8.583 in

**Length, packed** 1012 mm | 39.843 in

**Included** Mounting bracket

**Net Weight, with mounting kit** 18.3 kg | 40.345 lb

**Packaging quantity** 1

**Weight, gross** 23.5 kg | 51.809 lb

**Weight, net** 12.7 kg | 27.999 lb

Regulatory Compliance/Certifications
## Agency | Classification
---|---
CHINA-ROHS | Below maximum concentration value
REACH-SVHC | Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)
ROHS | Compliant
UK-ROHS | Compliant