18-port multibeam antenna, 18x 1710–2170 MHz, 2x9 Beam Panel Antenna for Event Coverage. Two rows of beams spaced 8° in elevation. One set of beams 4° up (+45°) and one set of beams 4° down (-45°) and 5° in azimuth. Upper and lower beam sets displaced in azimuth by ± 2.5° from boresight.

Electrical Specifications

<table>
<thead>
<tr>
<th>Frequency Band, MHz</th>
<th>1710–1920</th>
<th>1920–2170</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain, dBi</td>
<td>25.0</td>
<td>27.0</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>7.2</td>
<td>5.8</td>
</tr>
<tr>
<td>USLS (First Lobe), dB</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Front-to-Back Ratio at 180°, dB</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Isolation, Cross Polarization, dB</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>VSWR</td>
<td>Return Loss, dB</td>
<td>1.43</td>
</tr>
<tr>
<td>PIM, 3rd Order, 2 x 20 W, dBC</td>
<td>-150</td>
<td>-150</td>
</tr>
<tr>
<td>Input Power per Port, maximum, watts</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>Polarization</td>
<td>Single Slant Polarization</td>
<td>Single Slant Polarization</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 ohm</td>
<td>50 ohm</td>
</tr>
</tbody>
</table>

General Specifications

Operating Frequency Band 1710 – 2170 MHz
Antenna Type Multibeam
Band Single band
Performance Note Outdoor usage

Mechanical Specifications

RF Connector Quantity, total 18
RF Connector Quantity, high band 18
RF Connector Interface 7-16 DIN Female
Color Light gray
Grounding Type RF connector inner conductor and body grounded to reflector and mounting bracket
Radome Material ASA, UV stabilized
RF Connector Location Bottom
Wind Loading, frontal 3,222.0 N @ 150 km/h | 67.7 lbf @ 150 km/h
Wind Loading, lateral 174.0 N @ 150 km/h | 39.1 lbf @ 150 km/h
Wind Speed, maximum 160 km/h | 99 mph

Dimensions

Length 1771.0 mm | 69.7 in
Width 1486.0 mm | 58.5 in
Depth                                      283.0 mm | 11.1 in
Net Weight, without mounting kit         140.0 kg | 308.6 lb

Packed Dimensions

Length                                    1998.0 mm | 78.7 in
Width                                      1758.0 mm | 69.2 in
Depth                                      640.0 mm | 25.2 in
Shipping Weight                            188.0 kg | 414.5 lb

Regulatory Compliance/Certifications

Agency                                      Classification
RoHS 2011/65/EU                              Compliant by Exemption
ISO 9001:2015                                 Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014                    Above Maximum Concentration Value (MCV)
CE                                          Compliant with the relevant CE product directives

Included Products

T-041-GL-E — Adjustable Tilt Pipe Mounting Kit for 2.0”-4.5” (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

* Footnotes

Performance Note                         Severe environmental conditions may degrade optimum performance
Adjustable Tilt Pipe Mounting Kit for 2.0"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

General Specifications
Application: Outdoor
Includes: Brackets | Hardware
Package Quantity: 1

Mechanical Specifications
Color: Silver
Material Type: Galvanized steel
Mechanical Tilt: 0°–12° in steps of 2°

Dimensions
Antenna-to-Pipe Distance: 85.0 mm | 3.3 in
Bracket-to-Bracket Distance: 976.0 mm | 38.4 in
Compatible Diameter, maximum: 115.0 mm | 4.5 in
Compatible Diameter, minimum: 60.0 mm | 2.4 in
Compatible Length, maximum: 1500.0 mm | 59.1 in
Compatible Length, minimum: 1200.0 mm | 47.2 in
Net Weight: 5.5 kg | 12.1 lb

Regulatory Compliance/Certifications
Agency
RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014
CE
Classification
Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)
Compliant with the relevant CE product directives