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>Parameter</th>
<th>1710–1920 MHz</th>
<th>1920–2170 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Band, MHz</td>
<td>1710–1920</td>
<td>1920–2170</td>
</tr>
<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
2x9NPA2010F

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