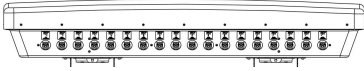


# 2x9NPA2010F



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

Frequency Band, MHz	1710–1920	1920–2170
Gain, dBi	25.0	27.0
Beamwidth, Horizontal, degrees	6	5
Beamwidth, Vertical, degrees	7.2	5.8
USLS (First Lobe), dB	18	18
Front-to-Back Ratio at 180°, dB	30	30
Isolation, Cross Polarization, dB	16	16
VSWR   Return Loss, dB	1.43   15.0	1.43   15.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	300	300
Polarization	Single Slant Polarization	Single Slant Polarization
Impedance	50 ohm	50 ohm

## General Specifications

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

## Mechanical Specifications

<b>RF Connector Quantity, total</b>	18
<b>RF Connector Quantity, high band</b>	18
<b>RF Connector Interface</b>	7-16 DIN Female
<b>Color</b>	Light gray
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Radome Material</b>	ASA, UV stabilized
<b>RF Connector Location</b>	Bottom
<b>Wind Speed, maximum</b>	160 km/h   99 mph

## Dimensions

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

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## Packed Dimensions

<b>Length</b>	1998.0 mm   78.7 in
<b>Width</b>	1758.0 mm   69.2 in
<b>Depth</b>	640.0 mm   25.2 in
<b>Shipping Weight</b>	188.0 kg   414.5 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



## 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