

# 2UPX210B-T2



4-port multibeam antenna, 4x 694–896 MHz, 2x 37° HPBW, 2x RET with manual override.

- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt with manual override on both beams
- Each port has an integrated bias tee, and each beam has its own smart switch that automatically selects between bias tee or AISG inputs according to a predetermined priority table
- Single panel design supporting two separate beams perfectly optimized at horizontal pointing angles of +27 degrees and –27 degrees from boresight

## Electrical Specifications

Frequency Band, MHz	694–806	806–896
Gain, dBi	17.9	18.7
Beam Centers, Horizontal, degrees	±27	±27
Beamwidth, Horizontal, degrees	39	36
Beamwidth, Vertical, degrees	9.6	8.4
Beam Tilt, degrees	0–10	0–10
USLS (First Lobe), dB	21	21
Front-to-Back Ratio at 180°, dB	34	40
Isolation, Cross Polarization, dB	25	25
Isolation, Inter-band, dB	18	18
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 at 50°C, maximum, watts	200	200
Polarization	±45°	±45°
Impedance	50 ohm	50 ohm

## Electrical Specifications, BASTA\*

Frequency Band, MHz	694–806	806–896
Gain by all Beam Tilts, average, dBi	17.6	18.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±0.3
Gain by Beam Tilt, average, dBi	0 °   17.6 5 °   17.6 10 °   17.6	0 °   18.5 5 °   18.5 10 °   18.4
Beamwidth, Horizontal Tolerance, degrees	±1.8	±1.6
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.4
USLS, beampeak to 20° above beampeak, dB	21	19
Front-to-Back Total Power at 180° ± 30°, dB	25	29
CPR at Boresight, dB	20	19

\* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs.](#)

# 2UPX210B-T2

---

## General Specifications

<b>Operating Frequency Band</b>	694 – 896 MHz
<b>Antenna Type</b>	Multibeam
<b>Band</b>	Single band
<b>Performance Note</b>	Outdoor usage
<b>Total Input Power, maximum</b>	700 W @ 50 °C

## Mechanical Specifications

<b>RF Connector Quantity, total</b>	4
<b>RF Connector Quantity, low band</b>	4
<b>RF Connector Interface</b>	7-16 DIN Female
<b>Grounding Type</b>	RF connector body grounded to reflector and mounting bracket
<b>Radiator Material</b>	Copper   Low loss circuit board
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Reflector Material</b>	Aluminum
<b>RF Connector Location</b>	Bottom
<b>Wind Loading, frontal</b>	1102.0 N @ 150 km/h 247.7 lbf @ 150 km/h
<b>Wind Loading, lateral</b>	372.0 N @ 150 km/h 83.6 lbf @ 150 km/h
<b>Wind Loading, maximum</b>	1497.0 N @ 150 km/h 336.5 lbf @ 150 km/h
<b>Wind Speed, maximum</b>	200 km/h   124 mph

## Dimensions

<b>Length</b>	2533.0 mm   99.7 in
<b>Width</b>	640.0 mm   25.2 in
<b>Depth</b>	235.0 mm   9.3 in
<b>Net Weight, without mounting kit</b>	47.0 kg   103.6 lb

## Remote Electrical Tilt (RET) Information

<b>Input Voltage</b>	10–30 Vdc
<b>Internal Bias Tee</b>	Port 1   Port 2   Port 3   Port 4
<b>Internal RET</b>	Low band (2)
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Power Consumption, normal conditions, maximum</b>	13 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)
<b>RET Interface</b>	8-pin DIN Female   8-pin DIN Male
<b>RET Interface, quantity</b>	1 female   2 male

# 2UPX210B-T2

---

## Packed Dimensions

<b>Length</b>	2684.0 mm   105.7 in
<b>Width</b>	797.0 mm   31.4 in
<b>Depth</b>	402.0 mm   15.8 in
<b>Shipping Weight</b>	67.0 kg   147.7 lb

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
ISO 9001:2015  
China RoHS SJ/T 11364-2014

### Classification

Designed, manufactured and/or distributed under this quality management system  
Above Maximum Concentration Value (MCV)



## Included Products

T-029-GL-E — Adjustable Tilt Pipe Mounting Kit for 2.0"-4.5" (50-115mm) OD round members for panel antennas. Includes 2 clamp sets.

## \* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance