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

General Specifications

Antenna Type Multibeam

Band Single band

Grounding TypeRF connector body grounded to reflector and mounting bracket

Performance Note

Outdoor usage | Wind loading figures are validated by wind tunnel

measurements described in white paper WP-112534-EN

Radome Material Fiberglass, UV resistant

Radiator Material Copper | Low loss circuit board

Reflector Material Aluminum

RF Connector Interface 7-16 DIN Female

RF Connector LocationBottom

RF Connector Quantity, high band 0
RF Connector Quantity, mid band 0
RF Connector Quantity, low band 4
RF Connector Quantity, total 4

Remote Electrical Tilt (RET) Information

RET Interface 8-pin DIN Female | 8-pin DIN Male

RET Interface, quantity 1 female | 2 male

Input Voltage 10-30 Vdc

Internal Bias Tee Port 1 | Port 2 | Port 3 | Port 4

Internal RET Low band (2)

Power Consumption, idle state, maximum 2 W
Power Consumption, normal conditions, maximum 13 W

COMMSCOPE®

2UPX210B-T2

Protocol 3GPP/AISG 2.0 (Single RET)

Dimensions

Width 640 mm | 25.197 in **Depth** 235 mm | 9.252 in Length 2533 mm | 99.724 in Net Weight, without mounting kit 47 kg | 103.617 lb

Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 694 - 896 MHz

Polarization ±45°

Total Input Power, maximum 700 W @ 50 °C

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

Mechanical Specifications

Wind Loading @ Velocity, frontal 1,102.0 N @ 150 km/h (247.7 lbf @ 150 km/h) 372.0 N @ 150 km/h (83.6 lbf @ 150 km/h) Wind Loading @ Velocity, lateral Wind Loading @ Velocity, maximum 1,497.0 N @ 150 km/h (336.5 lbf @ 150 km/h) 1,135.0 N @ 150 km/h (255.2 lbf @ 150 km/h) Wind Loading @ Velocity, rear

Wind Speed, maximum 200 km/h (124 mph)



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Packaging and Weights

 Width, packed
 797 mm | 31.378 in

 Depth, packed
 402 mm | 15.827 in

 Length, packed
 2684 mm | 105.669 in

Weight, gross 67 kg | 147.71 lb

Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Above maximum concentration value

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

ROHS Compliant/Exempted UK-ROHS Compliant/Exempted



Included Products

T-029-GL-E – Adjustable Tilt Pipe Mounting Kit for 2.362"-4.5" (60-115mm) OD round members for panel

antennas. Includes 2 clamp sets.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

