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 Type	RF 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 Location	Bottom
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

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