2UPX210B-T2-V2

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

- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt on both beams
- 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	Multi-beam
Band	Single band
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
RF Connector Interface	4.3-10 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 Hardware	CommRET v2
RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	1 female | 1 male
Input Voltage	10–30 Vdc
Internal RET	Low band (2)
Power Consumption, active state, maximum	10 W
Power Consumption, idle state, maximum	2 W
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

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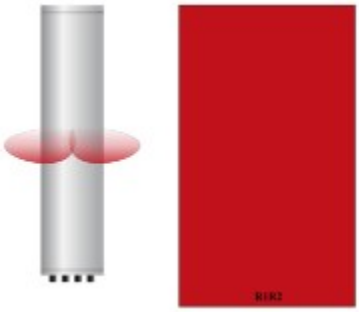
Net Weight, antenna only	56.6 kg | 124.781 lb

Array Layout



Array ID	Frequency (MHz)	RF Connector	RET (ORET)	AISG No.	RET UID
R1	694-896	1 - 2	1	AISG1	CPxxxxxxxxxxxxxxxR1
R2	694-896	3 - 4	2	AISG1	CPxxxxxxxxxxxxxxxR2

(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration

Electrical Specifications

Impedance	50 ohm

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Operating Frequency Band	694 – 896 MHz
Polarization	±45°
Total Input Power, maximum	700 W @ 50 °C
BASTA Version, electrical	BASTA v12

Electrical Specifications

	R1,R2	**R1,R2**
Frequency Band, MHz	**694–806**	**806–896**
RF Port	1-4	1-4
Gain at Mid Tilt, dBi	17.2	18.7
Beam Centers, Horizontal, degrees	±27	±27
Beamwidth, Horizontal, degrees	40	35
Beamwidth, Vertical, degrees	8.8	7.6
Beam Tilt, degrees	2–12	2–12
USLS (First Lobe), dB	18	16
Front-to-Back Ratio at 180°, dB	25	31
Front-to-Back Total Power at 180° ± 30°, dB	22	23
CPR at Boresight, dB	18	18
Isolation, Cross Polarization, dB	25	25
Isolation, Inter-band, dB	25	25
Isolation, Beam to Beam, dB	17	17
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port at 50°C, maximum, watts	200	200

Mechanical Specifications

BASTA Version, mechanical	BASTA v11
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)

Packaging and Weights

2UPX210B-T2-V2

Width, packed	744 mm | 29.291 in
Depth, packed	346 mm | 13.622 in
Length, packed	2662 mm | 104.803 in
Weight, gross	76.5 kg | 168.653 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

Included Products

BSAMNT-4	–	Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.
BSAMNT-M4	–	Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance