

2UNPX206.12R2



8-port multibeam antenna, 4x 698–894 and 4x 1710–2180 MHz, 4x 35° HPBW, 4x RET

- Antenna has individual AISG connectors per band: One in/out pair for low band in cascaded single-RET configuration to independently control the two low band beams; one in/out pair for high band in cascaded single-RET configuration to independently control the two high band beams

General Specifications

Antenna Type	Multibeam
Band	Multiband
Color	Gray
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	ASA, UV stabilized
Radiator Material	Aluminum Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	4
RF Connector Quantity, total	8

Remote Electrical Tilt (RET) Information, General

RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	2 female 2 male

Dimensions

Width	684 mm 26.929 in
Length	1728 mm 68.032 in
Depth	245 mm 9.646 in

Electrical Specifications

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Impedance	50 ohm
Operating Frequency Band	1710 – 2180 MHz 698 – 894 MHz
Polarization	±45°

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Input Voltage	10–30 Vdc
Internal RET	High band (2) Low band (2)

Electrical Specifications

Frequency Band, MHz	698–806	806–894	1710–1880	1850–1990	1920–2180
Gain, dBi	14.9	15.5	17.6	18.6	18.6
Beam Centers, Horizontal, degrees	±29	±25	±32	±30	±28
Beamwidth, Horizontal, degrees	40	35	34	31	30.8
Beamwidth, Vertical, degrees	15.6	13.5	6.9	6.5	6.2
Beam Tilt, degrees	0–10	0–10	0–10	0–10	0–10
USLS (First Lobe), dB	17	14	18	18	18
Front-to-Back Ratio at 180°, dB	24	24	35	40	39
Isolation, Same Beam, dB	25	25	25	25	25
Isolation, Beam to Beam, dB	18	18	18	18	18
VSWR Return loss, dB	1.43 15.0	1.43 15.0	1.43 15.0	1.43 15.0	1.43 15.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	300	300	250	250	250

Electrical Specifications, BASTA

Frequency Band, MHz	698–806	806–894	1710–1880	1850–1990	1920–2180
Gain by all Beam Tilts, average, dBi	14.7	15.1	17.4	18.2	18.4
Gain by all Beam Tilts Tolerance, dB	±0.6	±0.7	±0.6	±0.6	±0.8
Gain by Beam Tilt, average,	0° 14.7 5° 14.7	0° 15.2 5° 15.1	0° 17.5 5° 17.4	0° 18.2 5° 18.2	0° 18.5 5° 18.5

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dBi	10° 14.6	10° 14.9	10° 17.3	10° 18.1	10° 18.1
Beamwidth, Horizontal Tolerance, degrees	±2	±2.7	±2.8	±1.6	±1.2
Beamwidth, Vertical Tolerance, degrees	±1.1	±0.9	±0.4	±0.2	±0.4
USLS, beampeak to 20° above beampeak, dB	18	16	17	18	18
Front-to-Back Total Power at 180° ± 30°, dB	21	20	30	35	34
CPR at Boresight, dB	19	18	22	22	18

Mechanical Specifications

Wind Loading at Velocity, frontal	1,473.0 N @ 150 km/h 331.1 lbf @ 150 km/h
Wind Loading at Velocity, lateral	256.0 N @ 150 km/h 57.6 lbf @ 150 km/h
Wind Loading at Velocity, rear	1,512.0 N @ 150 km/h 339.9 lbf @ 150 km/h
Wind Speed, maximum	200 km/h 124.274 mph

Packaging and Weights

Width, packed	787 mm 30.984 in
Depth, packed	347 mm 13.661 in
Length, packed	1932 mm 76.063 in
Net Weight, without mounting kit	44 kg 97.003 lb
Weight, gross	69 kg 152.119 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
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.commscope.com/ProductCompliance
ROHS	Compliant



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.

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* Footnotes

Performance Note

Severe environmental conditions may degrade optimum performance