Product Data Sheet

2ULPX206.11P-2C

XXXX Pol Dual Band Twin Beam 2×698-960/2×1710-2690MHz 33°/32° 16.5/19.5dBi 2°-12°/2°-12° Replaceable RET

Electrical Specifications

Frequency Range (MHz):	698-960(R1,R2)			1710-2690(Y1,Y2)		
	698-806	806-880	880-960	1710-1880	1880-2170	2300-2690
Gain (dBi):	15.2±0.5	16.2±0.5	16.2±0.5	18.5±0.5	19.5±0.5	19.6±0.5
Return Loss (dB):	>14 (VSWR<1.5)					
Polarization:	±45°					
Horizontal 3dB beamwidth (°):	2×39	2×36	2×33	2×33	2×30	2×27
Horizontal Beam Pointing (°):	-27, +27	-25, +25	-22, +22	-29, +29	-25, +25	-22, +22
Vertical 3dB beamwidth (°):	15.6	14.2	13.2	6.6	5.9	4.8
Electrical Downtilt (°):	2-12 Independently Continuously Adjustable					
RET Type:	RET Cascade SRET, AISG 2.0, Upgradeable					
1st Upper Sidelobe Suppression (dB):	15	15	15	14	14	14
Front to Back Ratio @180±30°(dB):	25	25	25	25	25	25
CPR at Boresight (dB):	15	15	15	15	15	15
Isolation Between Polarizations (dB):	>25					
Isolation Between beams (dB):	>16			>16		
Max. Power Per Port (W):	250			200		
Intermodulation IM3 (dBc):	<-150 (2×43 dBm)					
Impedance (ohm):	50					
Lightning Protection:	DC Grounded					
Connector Type:	8×4.3-10 Female					

BASTA Electrical Specifications

Frequency Range(MHz):	698-960(R1,R2)			1710-2690(Y1,Y2)		
	698-806	806-880	880-960	1710-1880	1880-2170	2300-2690
Average Gain by Beam Tilts (dBi):	15.2	16.2	16.1	18.0	19.2	19.0
Gain by all Beam Tilts Tolerance(dB):	±0.7	±0.4	±0.6	±0.9	±0.6	±0.9
Average Gain by Beam Tilts (dBi):	2°|15.2 7°|15.2 12°|15.1	2°|16.2 7°|16.2 12°|16.1	2°|16.2 7°|16.2 12°|15.9	2°|18.4 7°|18.5 12°|17.8	2°|19.5 7°|19.5 12°|18.7	2°|19.6 7°|19.4 12°|18.1
Horizontal Beamwidth Tolerance(°):	±2.6	±2.5	±2.9	±4.3	±2.3	±2.7
Vertical Beamwidth Tolerance(°):	±0.7	±0.7	±0.6	±0.4	±0.4	±0.5
Upper Side Lobe Suppression, Peak to 20°(dB):	15.7	15.5	15.0	14.5	15.3	13.5
Front to back Total Power at 180° ± 30°(dB)	24.0	25.3	25.8	25.3	25.7	25.5
CPR at Boresight(dB):	18.0	17.5	19.0	19.0	19.5	17.5

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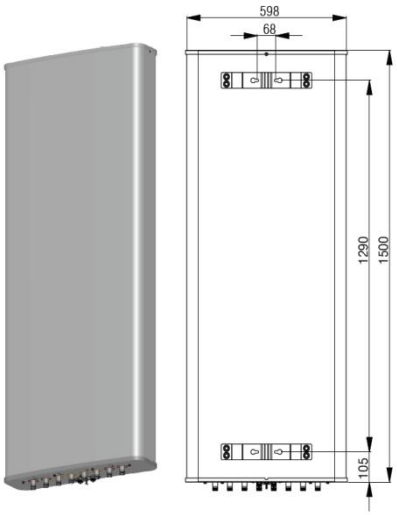
Mechanical Data

Antenna Dimensions (mm):	1500×598×169
Packing Dimensions (mm):	1760×680×260
Antenna Net Weight/Bracket (kg):	29/5.9
Antenna Gross Weight (kg):	40
Radome Material:	Fiberglass
Pipe OD (mm):	50-115
Mounting Kits (Included):	BA.K.04.00069141, Adjustable Downtilt 0°-18°



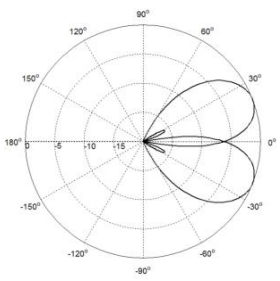
Environmental Ratings

Humidity:	95%RH@+30℃
Temperature (℃):	-40～+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 1059/119/1107
Max. Wind velocity(km/h)	200

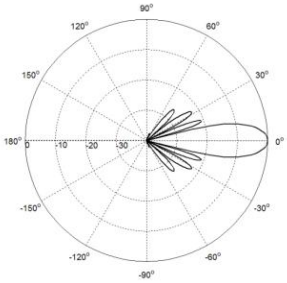
Internal RET Specifications

RET type:	Replaceable RET
RET protocol:	AISG2.0 /3GPP
Input voltage range(V):	10-30 DC
Power consumption(W):	< 5 (motor activated , single RET) < 1 (stand by, single RET), < 1.5 (stand by, 12V)
Adjustment time (full range) (s):	< 120 (typically, depending on antenna type)
RET connector:	1 pair of AISG 5 pin male & female
Pin assignment according AISG:	8pin circular connector conforming to IEC 60130-9 - Ed. 3.0
Lightning protection (kA):	5 (8/20 μs Differential mode), 8 (8/20 μs Common mode)

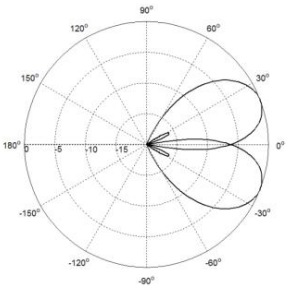
Typical Patterns



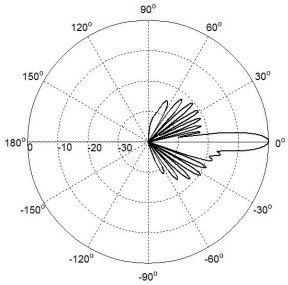
Azimuth(Low Band)



Elevation(Low Band)

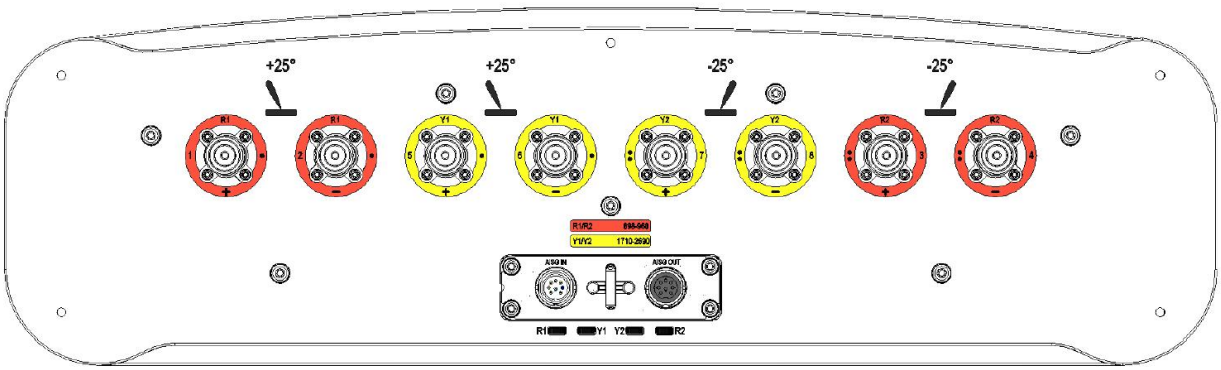


Azimuth(High Band)



Elevation(High Band)

Bottom View



Our products are compliant to the EU Directive RoHS as well as to other environmentally relevant regulations.

Correlation Table

Frequency range	Array	Connector	RET S/N
698–960 MHz	R1	1-2	BRxxx.....1R1
698–960 MHz	R2	3-4	BRxxx.....2R2
1710–2690 MHz	Y1	5-6	BRxxx.....3Y1
1710–2690 MHz	Y2	7-8	BRxxx.....4Y2