Product Data Sheet

U2L6PX310P-V1-2C

XXXXXXXX Pol Panel Antenna 2×698-960/6×1710-2690MHz 65° /65° 17/17.5dBi 2-12° Replaceable RET

Electrical Specifications

Frequency Range (MHz):	698-960(R1,R2)			1710-2690(Y1,Y3,Y5)			1710-2690(Y2,Y4,Y6)		
	698-806	806-880	880-960	1710 -2170	2300 -2490	2490 -2690	1710 -2170	2300 -2490	2490 -2690
Gain (dBi):	15.3 ±0.5	15.8 ±0.5	16.3 ±0.5	16.5 ±0.5	17.4 ±0.5	17.8 ±0.5	15.8 ±0.5	16.8 ±0.5	17.2 ±0.5
Return Loss (dB):	>14 (VSWR<1.5)								
Polarization:	±45°								
Horizontal 3dB Beamwidth (°):	68	65	57	68	63	56	68	63	56
Vertical 3dB Beamwidth (°):	8.5	7.7	7.0	7.2	6.0	5.5	7.2	6.0	5.5
Electrical Downtilt (°):	2-12 Independently Continuously Adjustable								
RET Type:	Cascade SRET, AISG 2.0, Upgradeable								
1stUpper Sidelobe Suppression (dB):	15	15	15	15	15	15	15	15	15
Front to Back Ratio (dB):	22	23	24	25	25	25	25	25	25
Cross Polar Ratio 0°(dB):	15	15	15	15	15	15	15	15	15
Intraband Isolation (dB):	>25								
Interband Isolation (dB):	>25								
Max. Power Per Port (W):	250			200					
Intermodulation IM3 (dBc):	<-150(2×43 dBm)								
Impedance (ohm):	50								
Lightning Protection:	DC Grounded								
Connector Type:	16×4.3-10 Female								

BASTA Electrical Specification

Frequency Range(MHz):		698-960(R1,R2)			1710-2690(Y1,Y3,Y5)			1710-2690(Y2,Y4,Y6)		
		698-806	806-880	880-960	1710 -2170	2300 -2490	2490 -2690	1710 -2170	2300 -2490	2490 -2690
Average Gain by all Beam Tilts (dBi):		15.4	15.8	16.3	16.9	17.4	17.7	16.2	16.8	17.0
Gain by all Beam Tilts Tolerance(dB):		±0.4	±0.4	±0.3	±0.4	±0.4	±0.6	±0.4	±0.4	±0.6
Average Gain by Beam Tilt (dBi):	2°	15.3	15.8	16.3	17.0	17.5	18.0	16.3	16.8	17.2
	7°	15.5	15.9	16.4	17.1	17.7	18.0	16.3	17.0	17.3
	12°	15.2	15.7	16.1	16.7	17.0	17.2	16.0	16.3	16.4
Horizontal Beamwidth Tolerance(°):		±4.1	±4.5	±5.2	±4.8	±5.1	±7.3	±4.1	±1.8	±6.6
Vertical Beamwidth Tolerance(°):		±0.7	±0.4	±0.4	±0.8	±0.4	±0.3	±0.8	±0.5	±0.3
USLS to 20° above beampeak(dB):		15.9	16.3	15.1	15.5	16.4	16.1	15.4	16.1	15.6
Front to back Ratio at 180° ± 30°(dB)		22.4	23.8	24.4	25.8	26.1	25.5	25.6	26.0	25.5
CPR at Boresight(dB):		23.7	26.1	26.7	20.3	18.0	18.6	21.0	22.6	21.9

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

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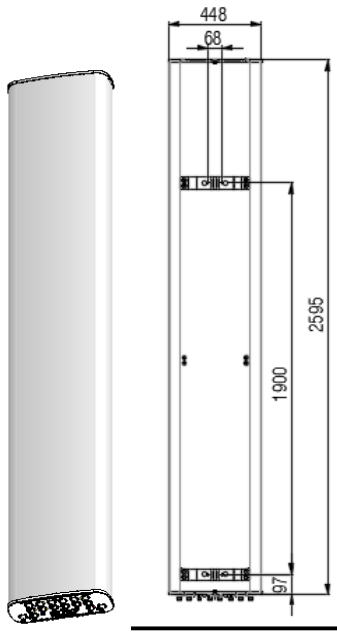
Mechanical Data

Antenna Dimensions (mm):	2595×448×185
Packing Dimensions (mm):	2815×530×275
Antenna Net Weight/Bracket (kg):	47 / 5.7
Antenna Gross Weight (kg):	58.5
Radome Material:	Fiberglass
Pipe OD (mm):	70-115
Mounting Kits (Included):	BA.K.04.00069491,Adjustable Downtilt 0° -8° (0° -8° in 1° steps)



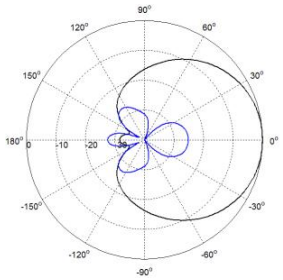
Environmental Ratings

Humidity:	95%RH@+30℃
Temperature (℃):	-40～+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 1135/289/1346
Max. Wind velocity(km/h):	200

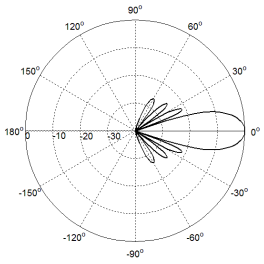
Internal RET Specifications

RET Type:	Replaceable RET
RET protocol:	AISG2.0 /3GPP
Input voltagerange(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:	8 pin 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)

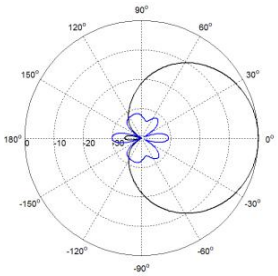
Typical Patterns



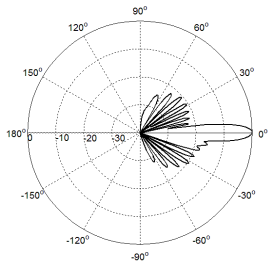
Azimuth(Low Band)



Elevation(Low Band)



Azimuth(High Band)



Elevation(High Band)

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

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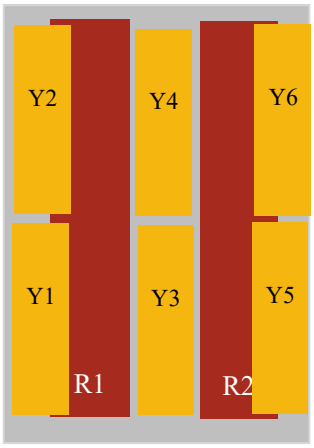
Bottom View

相关表 Correlation Table

Frequency range	Array	Connector
698– 960 MHz	R1	1-2
698– 960 MHz	R2	3-4
1710–2690 MHz	Y1	5-6
1710–2690 MHz	Y2	7-8
1710–2690 MHz	Y3	9-10
1710–2690 MHz	Y4	11-12
1710–2690 MHz	Y5	13-14
1710–2690 MHz	Y6	15-16



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