Product Data Sheet

2WPX0410M-V1

XX Pol Panel Twin Beam Antenna 2×1710-2170MHz 35° 20dBi 0-10° MET

Electrical Specifications

Frequency Range (MHz):	1710-2170								
	1710-1880			1880-2025			2025-2170		
Gain (dBi):	18.2±0.5			18.6±0.5			19.1±0.5		
Return Loss (dB):	>14(VSWR<1.5)								
Polarization:	±45°								
Horizontal 3dB Beamwidth (°):	2×37			2×35			2×32		
Horizontal Beam Pointing (°)	-29, +29			-27, +27			-25, +25		
Vertical 3dB Beamwidth (°):	8.2			7.5			7.1		
Electrical Downtilt (°):	0-10 Independently Continuously Adjustable								
1st Upper Sidelobe Suppression (dB):	0°	5°	10°	0°	5°	10°	0°	5°	10°
	17	17	16	17	17	16	17	17	16
Front to Back Ratio (dB):	30			29			29		
CPR at Boresight (dB):	15			16			16		
Horizontal Sidelobe Suppression(dB):	18			18			16		
Polarizations Isolation(dB) :	>28								
Max. Power Per Port (W):	250								
Intermodulation IM3 (dBc):	<-150(2×43 dBm)								
Impedance (ohm):	50								
Lightning Protection:	DC Grounded								
Connector Type:	4×7/16 DIN Female								

BASTA Electrical Specification

Frequency Range(MHz):	1710-2170		
	1710-1880	1880-2025	2025-2170
Average Gain by all Beam Tilts(dBi):	17.6	18.1	18.3
Gain by all Beam Tilts Tolerance(dB):	±1.0	±0.8	±0.9
Average Gain by Beam Tilt (dBi):	0°|17.9 5°|17.8 10°|17.1	0°|18.4 5°|18.3 10°|17.5	0°|18.6 5°|18.4 10°|17.6
3dBHorizontal Beamwidth Tolerance(°):	±2.8	±2.3	±2.1
3dBVertical Beamwidth Tolerance(°):	±1.5	±1.2	±1.2
Upper Side Lobe Suppression, Peak to 20°(dB):	15	15	15
Front to back Total Power at 180° ± 30°(dB):	28	28	28
CPR at Boresight(dB):	14	14	14

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

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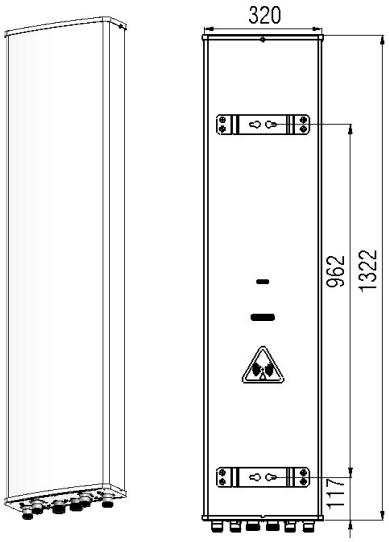
Mechanical Data

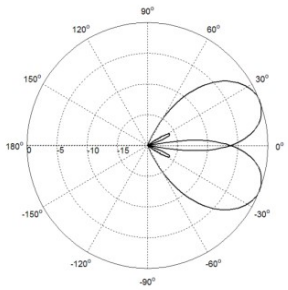
Antenna Dimensions (mm):	1322×320×115
Packing Dimensions (mm):	1645×405×210
Antenna Net Weight/Bracket (kg):	13.3 /5.9
Antenna Gross Weight (kg):	22
Radome Material:	UV-PVC
Pipe OD (mm):	50-114
Mounting Kits (Included):	BA.K.04.00069151, Adjustable Downtilt 0-20°



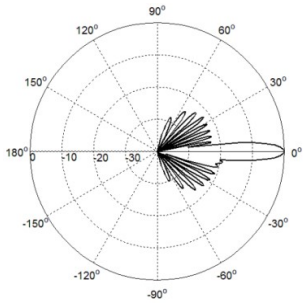
Environmental Ratings

Humidity:	95%RH@+30℃
Temperature (℃):	-40～+60
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 542/102/621
Max. Wind velocity(km/h):	200

Typical Patterns

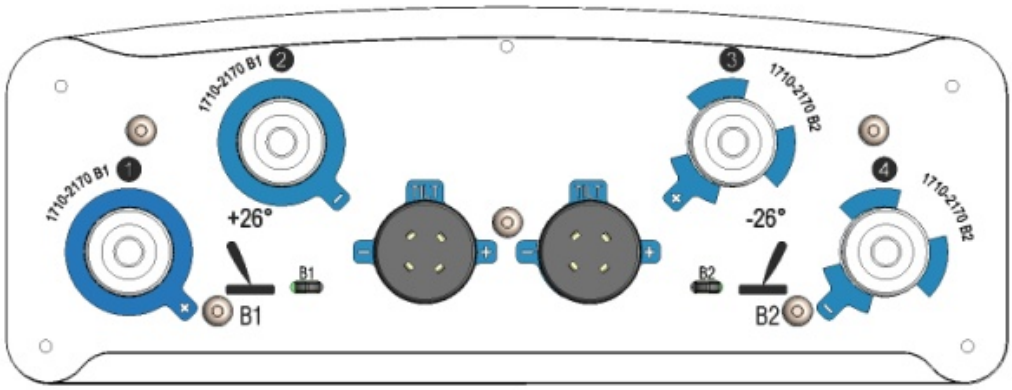


Azimuth



Elevation

Bottom View



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