

**XXX Pol Panel Antenna 698-960/2x1710-2690MHz 65°/65° 10.5/15dBi 3°/3° FET****Electrical Specifications**

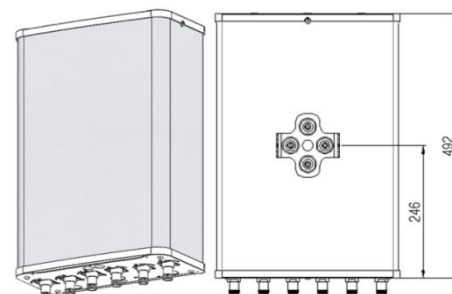
Frequency Range (MHz):	698-960(R1)			2x1710-2690(Y1,Y2)		
	698-806	806-880	880-960	1710-1920	1920-2170	2490-2690
Gain (dBi):	9.5±0.5	9.7±0.5	10.5±0.5	12.5±0.5	13.5±0.5	15.0±0.5
Return Loss (dB):	>14(VSWR<1.5)					
Polarization:	±45°					
Horizontal 3dB beamwidth (°):	75	70	70	67	70	60
Vertical 3dB beamwidth (°):	42	35	33	20.5	19	15.5
Electrical Downtilt (°):	3 Fixed(Typ)			3 Fixed(Typ)		
Upper Sidelobe Suppression (dB):	14	12	8	18	17	16
Front to Back Ratio (dB):	23	23	23	23	23	23
Cross Polar Ratio 0° (dB):	15	15	15	15	15	15
Cross Polar Ratio ±60° (dB):	12	10	8	10	8	5
Isolation Port to Port (dB):	>25					
Max. Power Per Port (W):	150					
Intermodulation IM3 (dBc):	<-150(2x43 dBm)					
Impedance (ohm):	50					
Lightning Protection:	DC Grounded					
Connector Type:	6x4.3-10 Female					

**BASTA Electrical Specifications**

Frequency Range(MHz):	698-960(R1)			1710-2690(Y1,Y2)		
	698-806	806-880	880-960	1710-1920	1920-2170	2490-2690
Average Gain by all Beam Tilts (dBi):	9.9	9.7	10.4	12.7	13.9	15.3
Gain by all Beam Tilts Tolerance(dB):	0.4	0.4	0.3	0.7	0.5	0.3
Average Gain by Beam Tilt (dBi):	9.9	9.7	10.4	12.7	13.9	15.3
Horizontal Beamwidth Tolerance(°):	4.3	4.2	3.8	5	7	3.5
Vertical Beamwidth Tolerance(°):	3.5	2.4	1.7	0.7	0.5	0.6
USLS beampeak to 20° above beampeak (dB):	16	16	16	16	16	16
Front to back Total Power at 180° ± 30°(dB):	23	23.8	23.4	24.5	26	23.5
CPR at Boresight(dB):	15.4	18.8	21.2	23	20	23
CPR at Sector(dB):	11	8	8	9	8	2

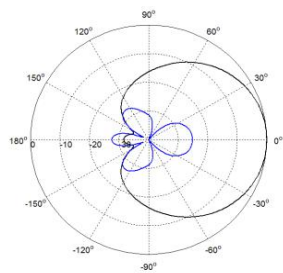
**Mechanical Data**

Antenna Dimensions (mm):	492×339×169
Packing Dimensions (mm):	734×480×314
Antenna Net Weight (kg):	7.2
Antenna Gross Weight (kg):	12.5
Radome Material:	Fiberglass
Pipe OD (mm):	70-114 30-50(Optional)
Mounting Kits (Included):	BA.K.04.00033 Horizontal adjustable -35°-+35°, Vertical adjustable-45°-+45°

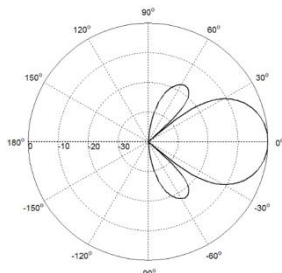
**Environmental Ratings**

Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/ Lateral/ Rearside: 277/76/323
Max. Wind velocity(km/h):	200

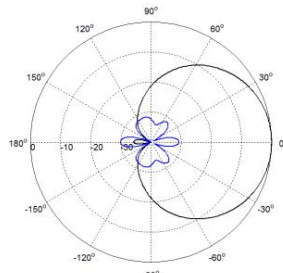
## Typical Patterns



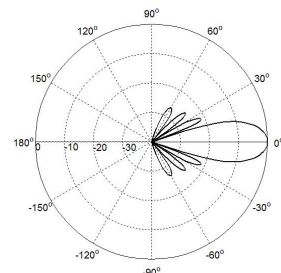
Azimuth(Low band)



Elevation(Low band)

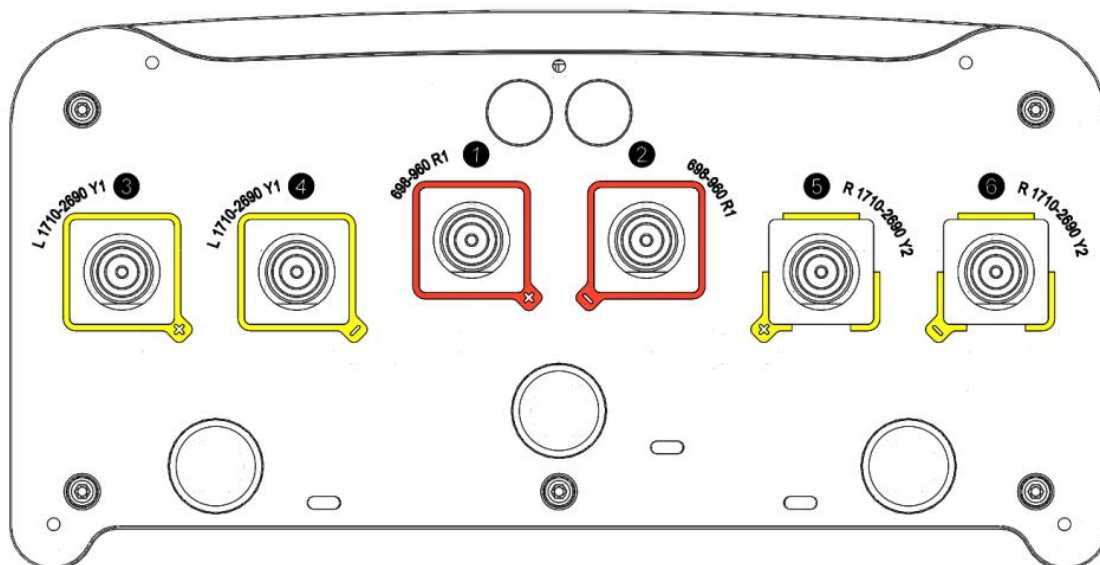


Azimuth(High band)



Elevation(High band)

## Bottom View



## Correlation Table

Frequency range	Array	Connector
698-960 MHz	R1	1-2
1710-2690 MHz	Y1	3-4
1710-2690 MHz	Y2	5-6

