

XXXX Pol Panel Stadium Antenna 790-960/1710-2690/3300-3800/3300-3800MHz 50°/50°/50°/50°
11.5/11.5/9.5/9.5dBi 0° FET

Electrical Specifications

Frequency Range (MHz):	790-960(R1)	1710-2690(Y1)		2×3300-3800(P1,P2)
		1710-2170	2300-2690	3300-3800
Gain (dBi):	11.5±0.9	10.5±0.7	11.5±0.7	10.5±0.6
Return Loss (dB):	>14 (VSWR<1.5)			
Polarization:	±45°			
3dB($\varphi=0^0$) Horizontal Beamwidth (°):	51	52	39	48
20dB($\varphi=0^0$) Horizontal Beamwidth (°):	84	86	69	80
3dB($\varphi=90^0$) Vertical Beamwidth (°):	50	52	39	48
20dB($\varphi=90^0$) Vertical Beamwidth (°):	84	86	69	80
($\varphi=0^0$) Horizontal Sidelobe Suppression (dB):	20	18	18	17
($\varphi=90^0$) Vertical Sidelobe Suppression (dB):	20	18	16	17
Electrical Downtilt (°):	0 Fixed			
Front to Back Ratio at 180±30° (dB):	28	30	30	30
CPR at Boresight(dB):	20	20	20	18
Isolation Port to Port (dB):	>25			
Intermodulation IM3 (dBc):	<-150 (2×43 dBm)			
Impedance (ohm):	50			
Max. Power Per Port (W):	100			
Lightning Protection:	DC Grounded			
Connector Type:	8×4.3-10 Female			

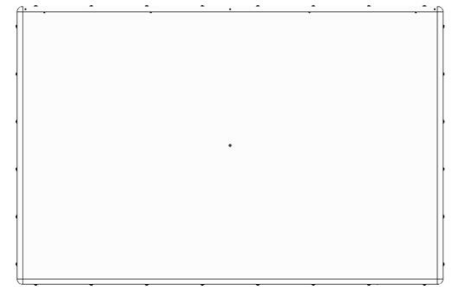
BASTA Electrical Specifications

Frequency Range(MHz):	790-960(R1)	1710-2690(Y1)		2×3300-3800(P1,P2)
		1710-2170	2300-2690	3300-3800
Average Gain by all Beam Tilts(dBi): (dBi):	11	10.1	11.5	9.8
Gain by all Beam Tilts Tolerance(dB):	±0.9	±0.7	±0.7	±0.6
3dB Horizontal Beamwidth Tolerance(°):	±6	±6	±4	±6
3dB Vertical Beamwidth Tolerance(°):	±6	±6	±4	±6
20dB Horizontal Beamwidth Tolerance(°):	±10	±11	±10	±10
20dB Vertical Beamwidth Tolerance(°):	±11	±11	±10	±10
Front to back Total Power at 180° ± 30°(dB)	23	28	28	28
CPR at Boresight(dB):	20	18	18	14

GLVVPX0505F-C

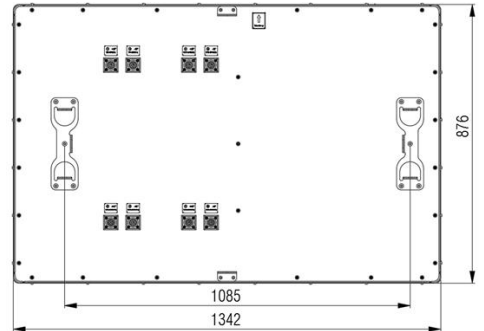
Mechanical Data

Antenna Dimensions (mm):	1342×876×125
Packing Dimensions (mm):	1470×1025×250
Antenna Net Weight/Bracket (kg):	31.5/5
Antenna Gross Weight (kg):	43
Radome Material:	ASA, UV Resistant
Pipe OD (mm):	70-114
Mounting Kits (Included):	BA.K.04.00003, Fixed Tilt Clamps

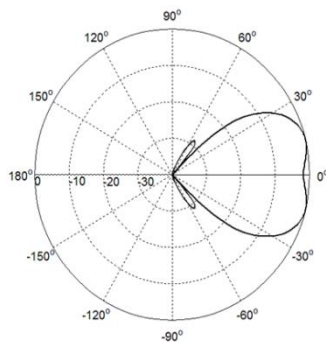


Environmental Ratings

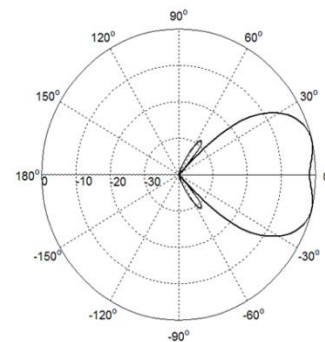
Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/ Rearside: 1557/100/1638
Max. Wind velocity(km/h):	150



Typical Patterns



Azimuth



Elevation

Correlation Table

Frequency range	Array	Connector
790–960MHz	R1	1-2
1710–2690MHz	Y1	3-4
3300–3800MHz	P1	5-6
3300–3800MHz	P2	7-8

