



**1xLow (698-960MHz)+4x High twin beam (1695-2690 MHz)**

**65° +33° HPBW 15.3&18.5dBi 2°-10°&2°-12°T**

**10 x 4.3-10 Female Connectors/1L2TB /2.5m**

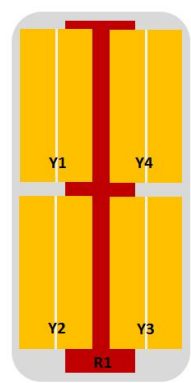
## Electrical Specifications(BASTA)

Frequency Range(MHz)		698-960(R1)			
		698- 806	790-896	880 - 960	
Polarization(°)		±45			
Electrical Downtilt(°)		2-10,continuously adjustable			
Gain (dBi)	Mid tilt	15.5	15.8	16.0	
	Over all tilts	15.0±0.5	15.3±0.5	15.8±0.5	
First upper Side Lobe Suppression (dB)		≥15			
Azimuth Beamwidth 3dB(°)		68±6	63±6	60±6	
Elevation Beamwidth 3dB(°)		8.5±1.5	7.5±1.0	7.0±1.0	
Cross-Polar Ratio @0°(dB)		≥18	≥18	≥18	
Cross-Polar Ratio @±60°(dB)		≥10	≥10	≥10	
Front to Back Ratio 180°±30° ( dB)		≥25			
Frequency Range(MHz)		4×(1695 – 2690)(Y1,Y2,Y3,Y4)			
		1695 - 1880	1920 - 2170	2300 - 2400	2500 - 2690
Polarization(°)		±45			
Electrical Downtilt(°)		2-12, continuously adjustable			
Gain (dBi)	Mid tilt	17.8	18.2	18.5	19.0
	Over all tilts	17.5±0.5	18.0±0.5	18.3±0.5	18.8±0.5
First upper Side Lobe Suppression (dB)		≥16			
Azimuth Beamwidth 3dB(°)		38±5	34±4	29±3	30±3
Elevation Beamwidth 3dB(°)		8.3±1.0	7.5±1.0	6.4±1.0	6.0±1.0
Horizontal beam direction (°)		±27			
Cross-Polar Ratio @0°(dB)		≥18	≥18	≥15	≥15
Cross-Polar Ratio @0°(dB)		≥10	≥10	≥8	≥8
Front to Back Ratio 180°±30° ( dB)		≥26			
<b>RF Parameters</b>					
VSWR		≤1.5			
3rd PIM@2 x 43 dBm (dBc)		≤ -150			
Isolation: intra-system (dB)		≥25			
Isolation: inter-system (dB)		≥28			
Isolation:between twin beams (dB)		≥25			
Max. power per port(W)		400 (698-960MHz); 250 (1695 – 2690MHz)			
Impedance (Ω)		50			
Lightning Protection		DC Ground			

Mechanical Specifications(BASTA)		
RET type	Integrated RET (AISG2.0/3GPP)	
AISG Connectors (1 input and 1 output)	2x8 pin (in: Male; out: Female)	
Connector	10×4.3-10 female, Bottom	
Antenna dimensions (H x W x D) (mm)	2490×448×200	
Packing dimensions (H x W x D) (mm)	2780×535×275	
Antenna weight (kg)	35	
Clamps weight (kg)	5.5	
Diameter of installation pole	φ50 ~φ110mm	
Radome material	Fiberglass	
Radome color	Light grey	
Operational temperature (°C)	-40 to +60	
Wind load @150km/h (N)	1025/306/1008(Frontal/Lateral/Rear side)	
Max. operational wind speed (km/h)	241	



## Layout



Frequency Range	Array	Connector
698-960	R1	1-2
1695-2690	Y1/Y2/Y3/Y4	3-4/5-6/7-8/9-10

## Pattern

698-960MHz	1695-2690MHz