



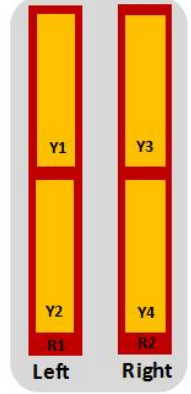
2xLow (690-960MHz)+4x High (1695-2690 MHz)

65° +65° HPBW /17&18dBi /2°-10°&2°-12°T

12 x 4.3-10 Female Connectors /2L4H/2.7m

Electrical Specifications(BASTA)

Frequency Range(MHz)		2× (690-960) (R1/R2)				
		690-862	824-894	880-960		
Polarization(°)		±45				
Electrical Downtilt(°)		2-10 (Independent electric regulator)				
Gain (dBi)	Mid tilt	16.6	17.0	17.3		
	Over all tilts	16.5±0.5	16.8±0.4	17.2±0.3		
First upper Side Lobe Suppression (dB)		>15	>16	>16		
Azimuth Beamwidth 3dB(°)		67±3.5	66±2.5	62±2.5		
Elevation Beamwidth 3dB(°)		8.5±0.5	8±0.4	7.5±0.4		
Cross-Polar Ratio @0°(dB)		>20	>20	>20		
Cross-Polar Ratio @±60°(dB)		>10	>10	>10		
Front to Back Ratio 180°±30° (dB)		>25	>26	>26		
Frequency Range(MHz)		4× (1695-2690)(Y1,Y2,Y3,Y4)				
		1695- 1880	1920 - 2170	2300 - 2400	2500 - 2690	
Polarization(°)		±45				
Electrical Downtilt(°)		2-12 (Independent electric regulator)				
Gain (dBi)	Y2/Y4	Mid tilt	17.1	17.6	17.9	18.1
		Over all tilts	17.0±0.5	17.5±0.5	17.8±0.5	18.0±0.5
	Y1/Y3	Mid tilt	16.9	17.4	17.7	17.9
		Over all tilts	16.8±0.3	17.3±0.5	17.6±0.4	17.8±0.3
First upper Side Lobe Suppression (dB)		>17	>17	>17	>17	
Azimuth Beamwidth 3dB(°)		66±2.8	65±1.5	62±2.2	59±3.3	
Elevation Beamwidth 3dB(°)		7.3±0.4	7.1±0.3	6±0.4	5.6±0.3	
Cross-Polar Ratio @0°(dB)		>20	>20	>20	>20	
Cross-Polar Ratio @±60° (dB)		>10	>10	>10	>10	
Front to Back Ratio 180°±30° (dB)		>26	>26	>27	>27	
VSWR		< 1.5				
3rd PIM@2 x 43 dBm (dBc)		< -150				
Isolation: intra-system (dB)		> 28				
Isolation: inter-system (dB)		> 28				
Max. power per port(W)		400 (690-960MHz); 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	12×4.3-10 female , Bottom	
Antenna dimensions (H x W x D) (mm)	2695×448×198	
Packing dimensions (H x W x D) (mm)	2975×540×290	
Antenna weight (kg)	45.5	
Clamps weight (kg)	5.5	
Packing weight(kg)	57	
Diameter of installation pole	φ50 ~φ110mm	
Radome material	Fiberglass	
Mechanical Tilt Range (°)	0~10	
Radome color	Light grey	
Operational temperature (°C)	-40 to +60	
Wind load @150km/h (N)	1233/375/1285(Frontal/Lateral/Rear side)	
Max. operational wind speed (km/h)	241	
		
Layout		
		
Frequency Range	Array	Connector
690-960MHz	R1/R2	1-2/3-4
1695-2690MHz	Y1/Y2/Y3/Y4	5-6/7-8/9-10/11-12
Pattern		
690-960MHz	1695-2690MHz	
