

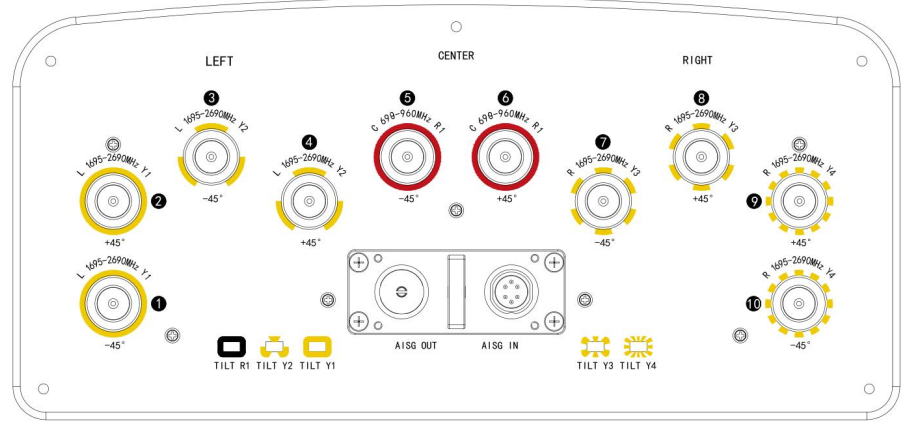
10-Port Antenna 698~960/4×(1695~2690)MHz 65° 17&18dBi 0°-10°&0°-10°T
Integrated RET (AISG2.0/3GPP)
10 x 4.3-10 Female Connectors/1L4H /2.5m

Electrical Specifications(BASTA11.1)						
Frequency Range(MHz)		(698-960) (R1)				
		698- 790	790-880	880 - 960		
Polarization(°)		±45				
Electrical Downtilt(°)		0-10 (Independent electric regulator)				
Gain (dBi)	Mid tilt	16.3	16.8	17.0		
	Over all tilts	16.2±0.5	16.7±0.4	16.9±0.3		
First upper Side Lobe Suppression (dB)		>17	>18	>18		
Azimuth Beamwidth 3dB(°)		69±4.5	67±4.5	65±3.3		
Elevation Beamwidth 3dB(°)		9.5±0.5	8.5±0.5	8.0±0.5		
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(°)		0-10 (Independent electric regulator)				
Gain (dBi)	Y2/Y4	Mid tilt	17.0	17.3	17.6	17.9
		Over all tilts	16.9±0.3	17.2±0.5	17.5±0.4	17.8±0.3
	Y1/Y3	Mid tilt	17.2	17.5	17.8	18.1
		Over all tilts	17.1±0.3	17.4±0.5	17.7±0.4	18.0±0.3
First upper Side Lobe Suppression (dB)		>16	>16	>17	>17	
Azimuth Beamwidth 3dB(°)		66±5.0	65±5.0	61±3.3	60±3.3	
Elevation Beamwidth 3dB(°)		7.5±0.5	7.0±0.5	6.0±0.5	5.5±0.5	
Cross-Polar Ratio @0°(dB)		>20	>20	>19	>19	
Cross-Polar Ratio @±60°(dB)		>10	>10	>7	>7	
Front to Back Ratio 180°±30° (dB)		>25	>25	>25	>25	
VSWR		< 1.5				
3rd PIM@2 x 43 dBm (dBc)		< -150				
Isolation: intra-system (dB)		> 26				
Isolation: inter-system (dB)		> 28				
Max. power per port(W)		400 (698-960MHz); 250 (1695-2690MHz)				
Impedance (Ω)		50				
Lightning Protection		DC Ground				

Mechanical Specifications(BASTA11.1)	
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)	2495×353×165
Packing dimensions (H x W x D) (mm)	2775×420×245
Antenna weight (kg)	27
Clamps weight (kg)	5.5
Packing weight(kg)	36.5
Diameter of installation pole	φ50 ~φ110mm
Mechanical Tilt Range (°)	0~10
Radome material	Fiberglass
Radome color	Light grey
Operational temperature (°C)	-40 to +60
Wind load @150km/h (N)	812/379/1083(Frontal/Lateral/Rear side)
Max. operational wind speed (km/h)	241

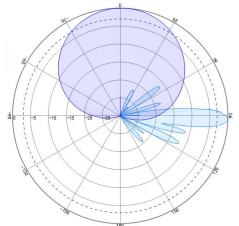


Layout

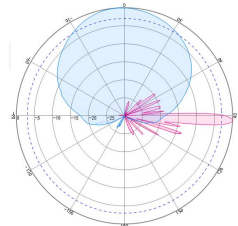


Frequency Range	Array	Connector
698-960	R1	5-6
1695-2690	Y1/Y2/Y3/Y4	1-2/3-4/7-8/9-10

Pattern



698-960MHz



1695-2690MHz