

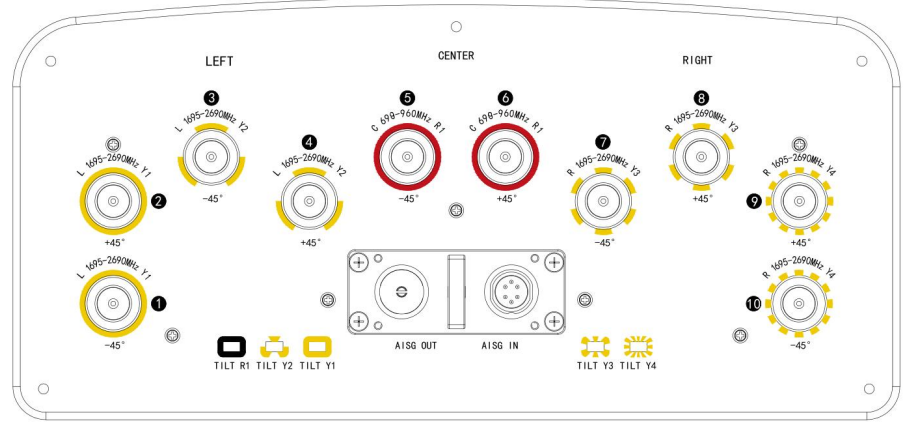
**10-Port Antenna 698~960/4×(1695~2690)MHz 65° 16&17.5dBi 2°-12°&2°-12°T**  
**Integrated RET (AISG2.0/3GPP)**  
**10 x 4.3-10 Female Connectors/1L4H /2m**

Electrical Specifications(BASTA11.1)					
Frequency Range(MHz)		(698-960) (R1)			
		698- 790	790-880	880 - 960	
Polarization(°)		±45			
Electrical Downtilt(°)		2-12 (Independent electric regulator)			
Gain (dBi)	Mid tilt	15.3	15.8	16.2	
	Over all tilts	15.2±0.5	15.7±0.4	16.1±0.4	
First upper Side Lobe Suppression (dB)		>15	>15	>15	
Azimuth Beamwidth 3dB(°)		69±4.5	67±4.5	65±3.3	
Elevation Beamwidth 3dB(°)		10.6±0.5	9.8±0.5	9.0±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)		>24	>25	>25	
Frequency Range(MHz)		4×(1695-2690)(Y1,Y2,Y3,Y4)			
		1710- 1880	1920 - 2170	2300 - 2400	2500 - 2690
Polarization(°)		±45			
Electrical Downtilt(°)		2-12 (Independent electric regulator)			
Gain (dBi)	Mid tilt	16.4	16.8	17.1	17.2
	Over all tilts	16.3±0.5	16.7±0.5	17.0±0.5	17.1±0.3
First upper Side Lobe Suppression (dB)		>15	>15	>16	>16
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)	1995×353×165
Packing dimensions (H x W x D) (mm)	2275×420×245
Antenna weight (kg)	25.5
Clamps weight (kg)	5.5
Packing weight(kg)	34
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)	649/303/866(Frontal/Lateral/Rear side)
Max. operational wind speed (km/h)	241

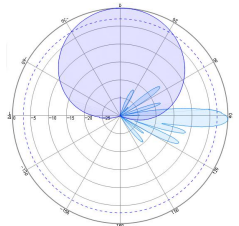


## Layout

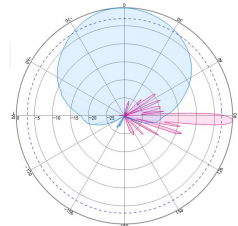


Frequency Range	Array	Connector
698-960	R1	5-6
1695-2690	Y1/Y2/Y3/Y4	1-2/3-4/7-8/9-10

## Pattern



698-960MHz



1695-2690MHz