

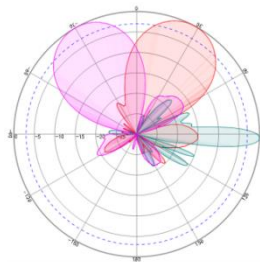
XXPole 1695-2690/1695-2690MHz 33°HPBW 20/20dBi 2°~12°/2°~12°T
Integrated RET (AISG2.0/3GPP)
4 x 4.3-10 Female Connectors

Electrical Specifications(BASTA12.0)

Frequency Range(MHz)		1695-2690(Y1/Y2)			
Frequency Sub-Range(MHz)		1695-1990	1920-2200	2300-2490	2490-2690
Polarization(°)		±45			
Electrical Downtilt(°)		2-12			
Tilt Accuracy(°)		±1			
Gain (dBi)	Mid tilt	18.7	19.4	20.1	20.2
	Over all tilts	18.5±0.4	19.2±0.5	19.9±0.5	20.0±0.5
First upper Side Lobe Suppression (dB)		>16	>16	>16	>16
Azimuth Beamwidth 3dB(°)		36±4.0	33±4.0	28±3.0	26±3.0
Elevation Beamwidth 3dB(°)		7.0±0.6	6.6±0.6	5.5±0.4	5.0±0.4
Horizontal beam direction (°)		±27	±27	±27	±27
Cross-Polar Ratio @0°(dB)		>20	>20	>19	>19
Cross-Polar Ratio @±15° (dB)		>10	>10	>8	>8


Front to Back Ratio @180°±30° (dB)	>28	>28	>28	>28
VSWR	<1.5			
3rd PIM@2 x 43 dBm(dBc)	<-153			
Isolation: intra-system (dB)	>28			
Beam Isolation (dB)	>16			
Max. power per port(W)	250			
Impedance (Ω)	50			
Lightning Protection	DC Ground			

Pattern

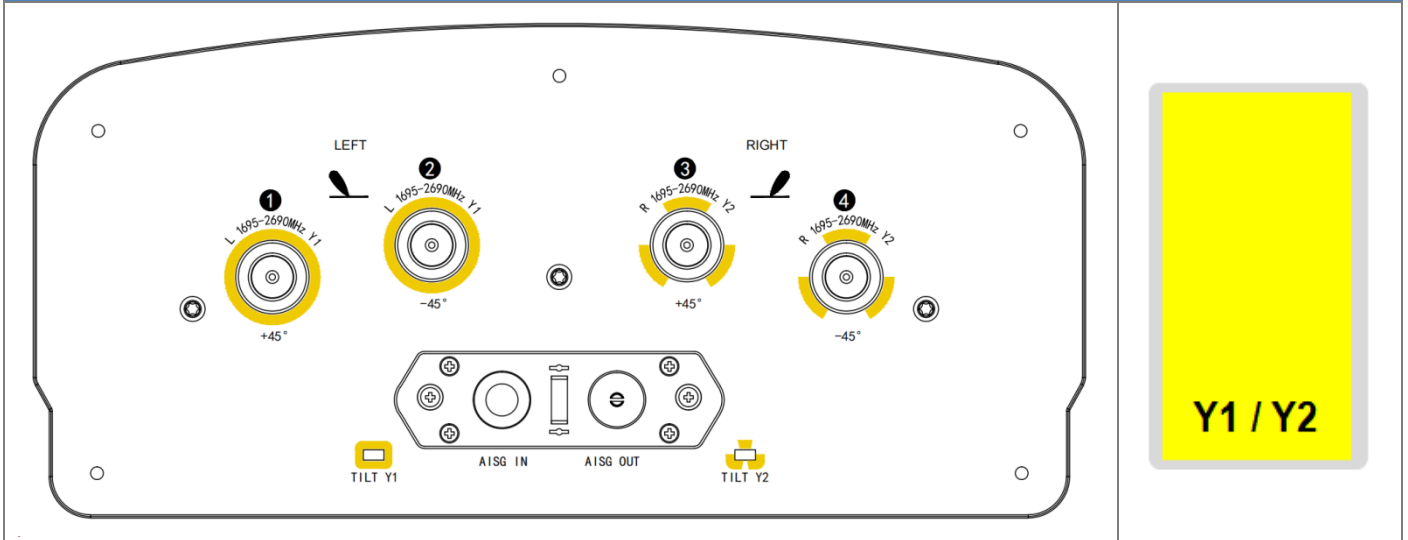


1695-2690MHz

Mechanical Specifications(BASTA12.0)

RET type	Integrated RET (AISG2.0/3GPP)	
AISG Connectors (1 input and 1 output)	2x8 (in: Male; out: Female)	
Connector	4x4.3-10 female, Bottom	
Antenna Dimensions (H x W x D) (mm)	1470x320x145	
Packing Size (H x W x D) (mm)	1750x410x235	
Antenna weight (kg)	15.5	
Clamps weight (kg)	4.1	
Packing weight(kg)	23.0	
Mounting Kit Model	MB41	
Diameter of installation pole	φ50 -φ115mm	
Mechanical Tilt Range (°)	0-12	
Radome material	Fiberglass	
Radome color	Light Grey	
Operational temperature (°C)	-40 to +70	
Wind load @150km/h (N)	576/186/769(Frontal/Lateral/Maximum)	
Max. operational wind speed (km/h)	241	

Layout



Frequency Range	Array	Connector	Sub Unit	RET Type	RET UID
1695-2690MHz	Y1	1-2	1 #	MRET	YT.....YYWWxxxxx -MM
1695-2690MHz	Y2	3-4	2 #	MRET	YT.....YYWWxxxxx -MM

Remark: YY – Year, WW – Week , xxxxx – Serial Number, MM – RET Type