

4 Port Antenna/1L1H/ 2m

YB1L1H1618E12.4F-02A

XXpol 690-960/1695-2690MHz 65°HPBW 15.8/17.9dBi 0°-10°/0°-10°T Integrated RET (AISG2.0/3GPP) 4 x 4.3-10 Female Connectors/1L1H /2m

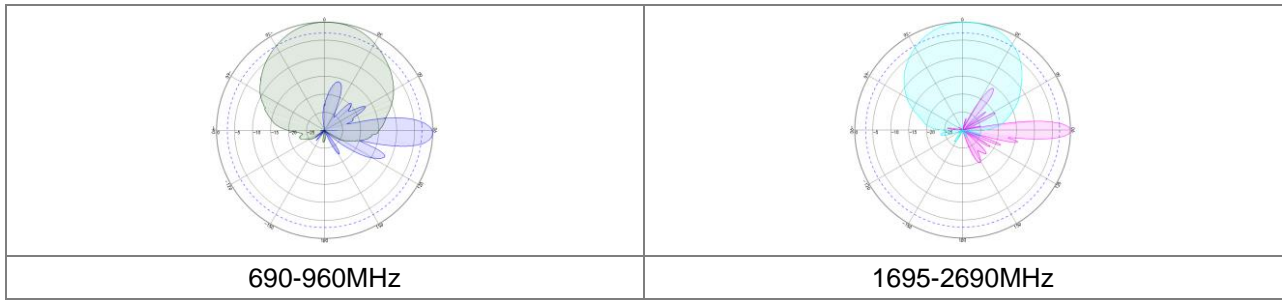
Electrical Specifications(BASTA11.1)

Frequency Range(MHz)		690-960 (R1)			
Frequency Sub-Range(MHz)		690-896		880-960	
Polarization(°)		±45			
Electrical Downtilt(°)		0-10			
Tilt Accuracy(°)		≤0.5			
Gain (dBi)	Mid tilt	15.3		15.8	
	Over all tilts	15.2±0.6		15.7±0.5	
First upper Side Lobe Suppression (dB)		≥17		≥18	
Azimuth Beamwidth 3dB(°)		68±5.5		63±5.0	
Elevation Beamwidth 3dB(°)		10.8±1.0		9.0±0.6	
Cross-Polar Ratio @0°(dB)		>21		>20	
Cross-Polar Ratio @±60°(dB)		>10		>10	
Front to Back Ratio,180°±30° (dB)		≥24		≥25	
Frequency Range(MHz)		1695-2690(Y1)			
Frequency Sub-Range(MHz)		1695-1880	1850-2200	2300-2400	2500-2690
Polarization(°)		±45			
Electrical Downtilt(°)		0-10			
Tilt Accuracy(°)		≤0.5			
Gain (dBi)	Mid tilt	17.1	17.6	17.8	17.9
	Over all tilts	17.0±0.5	17.5±0.5	17.7±0.4	17.8±0.3
First upper Side Lobe Suppression (dB)		≥17	≥17	≥16	≥16
Azimuth Beamwidth 3dB(°)		66±5.5	65±5	60±4	59±4
Elevation Beamwidth 3dB(°)		6.2±0.6	5.6±0.6	5.1±0.5	4.9±0.5
Cross-Polar Ratio @0°(dB)		≥22	≥22	≥21	≥21
Cross-Polar Ratio @±60°(dB)		≥11	≥10	≥9	≥8
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)		>28			
Isolation: inter-system (dB)		>30			
Max. power per port(W)		500 (690-960MHz); 300 (1695-2690MHz)			
Impedance (Ω)		50			
Lightning Protection		DC Ground			

Pattern

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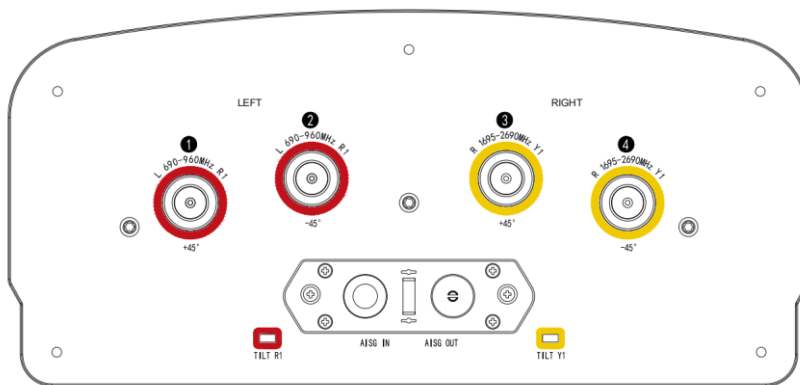


Mechanical Specifications(BASTA11.1)

RET type	Integrated RET (AISG2.0/3GPP)
AISG Connectors (1 input and 1 output)	(in: Male; out: Female)
Connector	4 x 4.3-10 Female , Bottom
Antenna dimensions (H x W x D) (mm)	1995x320x145
Packing dimensions (H x W x D) (mm)	2275x410x230
Antenna weight (kg)	19.5±0.5
Clamps weight (kg)	5.2±0.5
Packing weight(kg)	28.5±0.5
Mounting Kit Model	38AA
Diameter of installation pole	φ50~φ115mm
Mechanical Tilt Range (°)	Fiberglass
Radome material	0-10
Radome color	Light Grey
Operational temperature (°C)	-50 to +70
Wind load @150km/h (N)	590/258/787(Frontal/Lateral/Maximum)
Max. operational wind speed (km/h)	241



Layout



Frequency Range	Array	Connector	Sub Unit	RET Type
690-960	R1	1-2	1 #	SRET
1695-2690	Y1	3-4	2 #	SRET