

# 10 Port Antenna/1L4H/ 2.3m

ITEM NO:10.01.05.0165

**5X-Pol 698-960MHz+4x (1695-2690)MHz 65°HPBW 15/16.2/16.2/16.2/16.2dBi**

**Integrated RET (AISG2.0/3GPP) 0°-10°/0°-10°/0°-10°/0°-10°/0°-10°**

**10 x 4.3-10 Connectors/1L4H /2.3m**


## Electrical Specifications(BASTA12.0)

Frequency Range(MHz)		698-960 (R1)				
Frequency Sub-Range(MHz)		698-896		880-960		
Polarization(°)		±45				
Electrical Downtilt(°)		0-10				
Gain (dBi)	Mid tilt	15.2		15.4		
	Over all tilts	15.0±0.5		15.2±0.5		
First upper Side Lobe Suppression (dB)		>16		>16		
Azimuth Beamwidth 3dB(°)		70±6		66±5		
Elevation Beamwidth 3dB(°)		9.5±1.4		8.7±0.8		
Cross-Polar Ratio @0°(dB)		>21		>23		
Cross-Polar Ratio @±60°(dB)		>10		>8		
Front to Back Ratio 180°±30° (dB)		>20		>21		
Frequency Range(MHz)		4x(1695-2690)(Y1,Y2,Y3,Y4)				
Frequency Sub-Range(MHz)		1695-1880	1900-2200	2300-2400	2500-2690	
Polarization(°)		±45				
Electrical Downtilt(°)		0-10				
Gain (dBi)	Y1/Y2	Mid tilt	15.8	16.0	16.3	16.4
		Over all tilts	15.6±0.6	15.8±0.5	16.1±0.5	16.2±0.5
	Y3/Y4	Mid tilt	15.5	15.7	15.9	16.0
		Over all tilts	15.3±0.6	15.5±0.5	15.7±0.5	15.8±0.5
First upper Side Lobe Suppression (dB)		>15	>15	>15	>15	
Azimuth Beamwidth 3dB(°)		67±6.5	65±6	63±5	57±6	
Elevation Beamwidth 3dB(°)		9.0±1.0	7.8±0.7	6.8±0.6	6.2±0.5	
Cross-Polar Ratio @0°(dB)		>18	>18	>15	>15	
Cross-Polar Ratio @±60°(dB)		>7	>7	>5	>5	
Front to Back Ratio 180°±30° (dB)		>23	>23	>22	>21	
VSWR		<1.5				
3rd PIM@2 x 43 dBm (dBc)		<-153				
Isolation: intra-system (dB)		>27 (698-960MHz);>26 (1695-2690MHz)				
Isolation: inter-system (dB)		>27				
Max. power per port(W)		500 (698-960MHz); 300 (1695-2690MHz)				
Impedance (Ω)		50				
Lightning Protection		DC Ground				

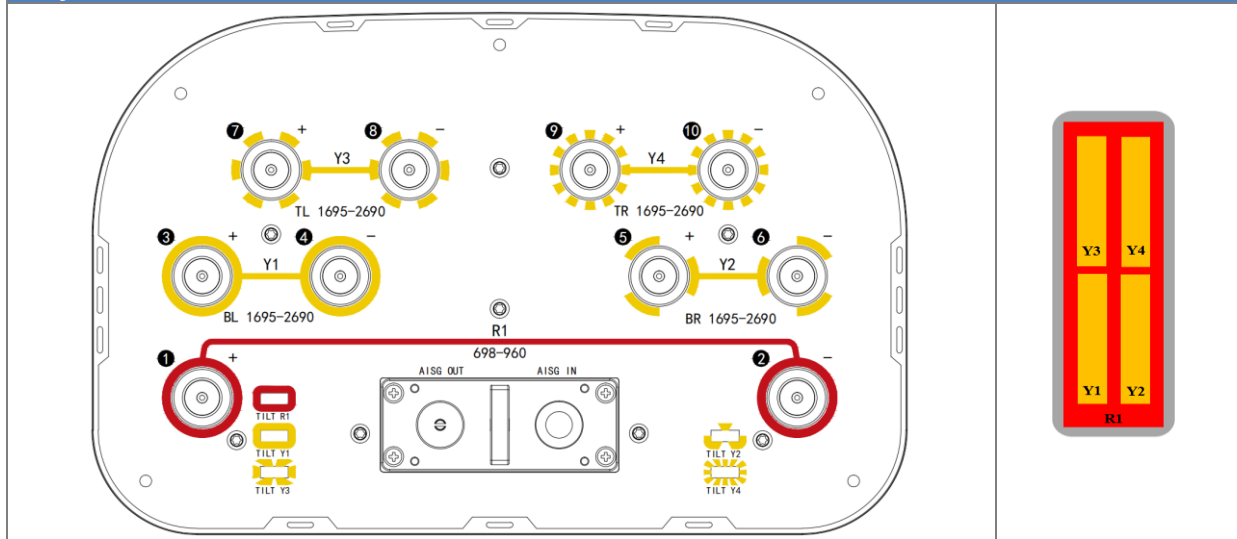
## Mechanical Specifications(BASTA12.0)

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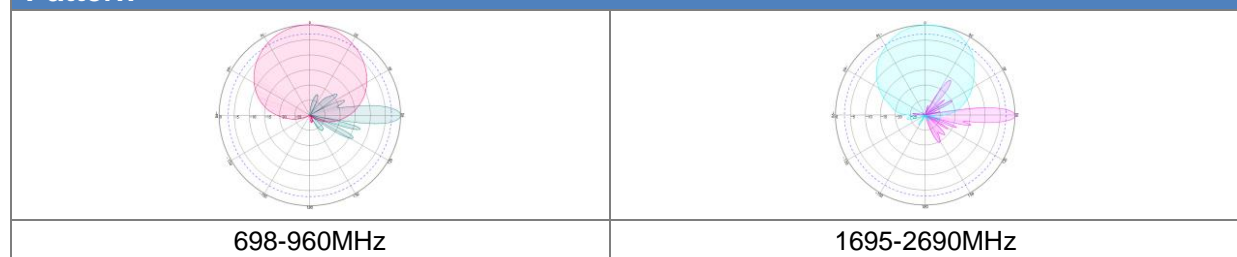
RET type	Integrated RET (AISG2.0/3GPP)	
AISG Connectors ( 1 input and 1 output )	(in: Male; out: Female)	
Connector	10x4.3-10 female , Bottom	
Antenna dimensions (H x W x D) (mm)	2300x300x190	
Packing dimensions (H x W x D) (mm)	2570x365x295	
Antenna weight (kg)	20.3±1.5	
Clamps weight (kg)	4.1±0.5	
Packing weight(kg)	29.0±1.5	
Diameter of installation pole	φ50 ~φ110mm	
Mechanical Tilt Range (°)	0~10	
Radome material	Fiberglass	
Radome color	Light Grey	
Operational temperature (°C)	-40 to +70	
Wind load @150km/h (N)	383/326/606(Frontal/Lateral/Maximum)	
Max. operational wind speed (km/h)	241	

## Layout



Frequency Range	Array	Connector	Sub Unit	RET Type
698-960MHz	R1	1-2	2#	MRET
1695-2690MHz	Y1	3-4	4#	MRET
1695-2690MHz	Y2	5-6	5#	MRET
1695-2690MHz	Y3	7-8	3#	MRET
1695-2690MHz	Y4	9-10	1#	MRET

## Pattern



## Accessories

Item	Model	Weight (kg)	Mechanical Tilt Range (°)
Mounting Kit	MB41	4.1	0-10

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