

# 8-Port Antenna/1L3H/ 2.0m

YBZ-065S15P1216C12.8F-01



东莞市云通通讯科技有限公司  
北斗星通旗下企业 Dongguan Yuntong Communication Technology Co., Ltd.


**4X-Pole 1xLow (698-960MHz)+3x High (1710-2690 MHz) 16/18/18/18dBi**  
**65°HPBW 2°-12°/2°-10°/2°-10°/2°-10°T**  
**Integrated Diplexer (2 input and 2 output),(AISG2.0/3GPP) /1L3H /2.0m**

Electrical Specifications(BASTA11.1)						
Frequency Range(MHz)		698-960 (R1)				
Frequency Sub-Range(MHz)		698-790	790-896	880-960		
Polarization(°)		±45				
Electrical Downtilt(°)		2-12 (Independent electric regulator)				
Gain (dBi)	Mid tilt	14.8	15.4	15.9		
	Over all tilts	14.6±0.5	15.3±0.5	15.8±0.5		
First upper Side Lobe Suppression (dB)		>16	>16	>16		
Azimuth Beamwidth 3dB(°)		70±5.0	67±4.5	65±4		
Elevation Beamwidth 3dB(°)		10.6±1.0	9.4±0.6	8.2±0.6		
Cross-Polar Ratio @0°(dB)		>18	>18	>18		
Cross-Polar Ratio @±60°(dB)		>8	>8	>6		
Front to Back Ratio 180°±30° ( dB)		>23	>25	>26		
Frequency Range(MHz)		3x(1710-2690)(Y1,Y2,Y3)				
		1710-1880	1900-2200	2300-2400	2500-2690	
Polarization(°)		±45				
Electrical Downtilt(°)		2-10 (Independent electric regulator)				
Gain (dBi)	Y1/Y3	Mid tilt	16.6	16.9	17.1	17.3
		Over all tilts	16.5±0.3	16.8±0.5	17.0±0.5	17.2±0.3
	Y2	Mid tilt	16.5	16.8	17.0	17.2
		Over all tilts	16.4±0.3	16.7±0.5	16.9±0.5	17.1±0.3
First upper Side Lobe Suppression (dB)		>16	>16	>14	>14	
Azimuth Beamwidth 3dB(°)		66±4.1	65±4.1	62±3.3	59±3.3	
Elevation Beamwidth 3dB(°)		5.8±0.7	5.5±0.6	4.8±0.5	4.5±0.5	
Cross-Polar Ratio @0°(dB)		>18	>18	>17	>16	
Cross-Polar Ratio @±60°(dB)		>8	>7	>6	>6	
Front to Back Ratio 180°±30° ( dB)		>25	>25	>25	>25	
VSWR		< 1.5				
3rd PIM@2 x 43 dBm (dBc)		< -153				
Isolation: intra-system (dB)		> 25				
Isolation: inter-system (dB)		> 25				
Max. power per port(W)		500 (698-960MHz); 300 (1710-2690MHz)				
Impedance (Ω)		50				
Lightning Protection		DC Ground				

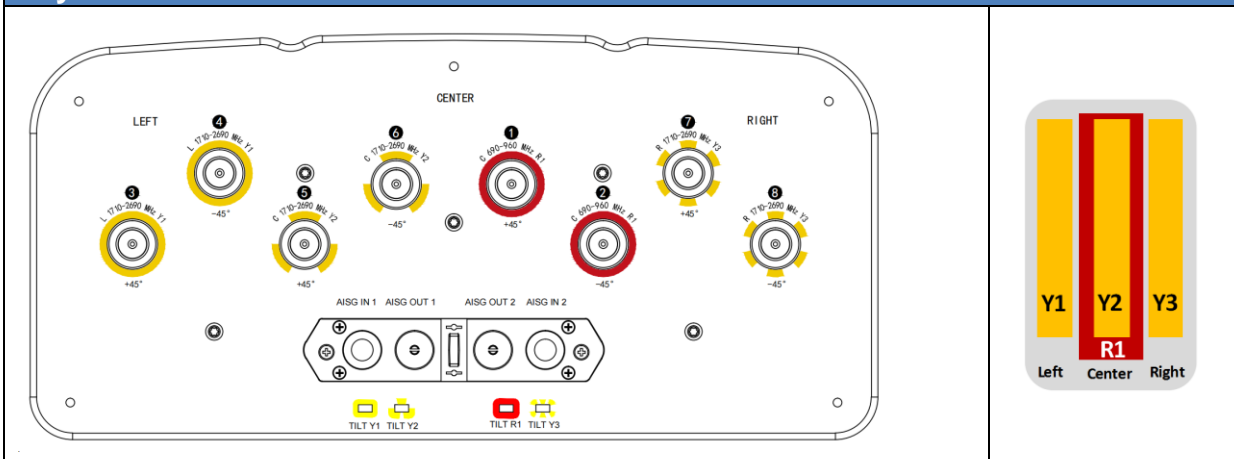
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## Mechanical Specifications(BASTA11.1)

RET type	Integrated RET (AISG2.0/3GPP)	
AISG Connectors (2 input and 2 output)	(in: Male; out: Female)	
Connector	8x4.3-10 female , Bottom	
Antenna dimensions (H x W x D) (mm)	1995x380x177	
Packing dimensions (H x W x D) (mm)	2270x480x280	
Antenna weight (kg)	24.4±1.5	
Clamps weight (kg)	5.2±0.5	
Packing weight(kg)	33.8±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)	426/313/645(Frontal/Lateral/Rear side)	
Max. operational wind speed (km/h)	241	

## Layout



Frequency Range	Array	Connector
698-960	R1	1-2
1710-2690	Y1/Y2/Y3	3-4/5-6/7-8

## Pattern

