

8 Port Antenna

YBZ-065S17P1018T12.8F-02-0115



东莞市云通通讯科技有限公司
Dongguan Yuntong Communication Technology Co., Ltd.

2xLow (698-960MHz)+2x High (1710-2690 MHz)

65° +65° HPBW /16.3&17.2dBi /2°-12°&2°-12°T

8 x 4.3-10 Female Connectors /2L2H/2.7m


Electrical Specifications(BASTA 11.1)

Frequency Range(MHz)		2x(698-960) (R1/R2)			
Frequency Sub-Range(MHz)		698-896		880-960	
Polarization(°)		±45			
Electrical Downtilt(°)		2-12 (Independent electric regulator)			
Gain (dBi)	Mid tilt	16.1		16.4	
	Over all tilts	16.0±0.6		16.3±0.5	
First upper Side Lobe Suppression (dB)		>15		>15	
Azimuth Beamwidth 3dB(°)		67±8		63±6	
Elevation Beamwidth 3dB(°)		8.0±0.8		6.8±0.6	
Cross-Polar Ratio @0°(dB)		>20		>18	
Cross-Polar Ratio @±60°(dB)		>8		>8	
Front to Back Ratio 180°±30° (dB)		>24		>25	
Frequency Range(MHz)		2x(1695-2690)(Y1,Y2)			
Frequency Sub-Range(MHz)		1695-1880	1900-2200	2300-2400	2500-2690
Polarization(°)		±45			
Electrical Downtilt(°)		2-12 (Independent electric regulator)			
Gain (dBi)	Mid tilt	16.6	17.0	17.2	17.4
	Over all tilts	16.5±0.5	16.9±0.4	17.1±0.6	17.3±0.4
First upper Side Lobe Suppression (dB)		>15	>15	>15	>15
Azimuth Beamwidth 3dB(°)		66±6	63±5	60±5	56±4
Elevation Beamwidth 3dB(°)		6.8±0.6	6.3±0.6	5.4±0.5	5.0±0.5
Cross-Polar Ratio @0°(dB)		>18	>18	>16	>16
Cross-Polar Ratio @±60°(dB)		>10	>8	>5	>5
Front to Back Ratio 180°±30° (dB)		>23	>23	>24	>25
VSWR		<1.5			
3rd PIM@2 x 43 dBm (dBc)		<-153			
Isolation: intra-system (dB)		>26			
Isolation: inter-system (dB)		>26			
Max. power per port(W)		500 (698-960MHz); 250 (1695-2690MHz)			
Impedance (Ω)		50			
Lightning Protection		DC Ground			

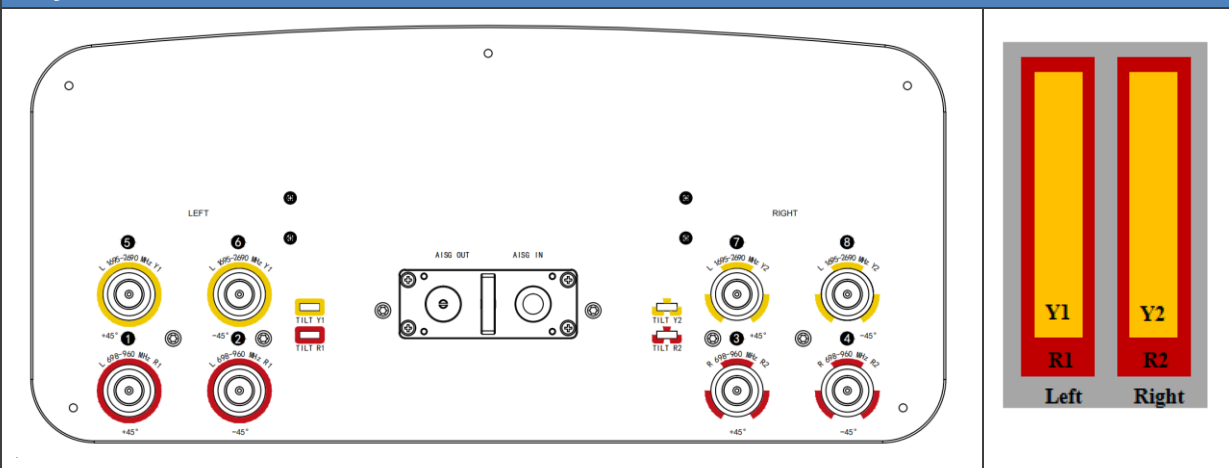
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Mechanical Specifications(BASTA 11.1)

RET type	Integrated RET (AISG2.0/3GPP)	
AISG Connectors (1 input and 1 output)	(in: Male; out: Female)	
Connector	8x4.3-10 female , Bottom	
Antenna dimensions (H x W x D) (mm)	2695x448x200	
Packing dimensions (H x W x D) (mm)	2980x540x290	
Antenna weight (kg)	40.5±1	
Clamps weight (kg)	5.3±0.5	
Packing weight(kg)	51±1	
Diameter of installation pole	φ50 ~φ115mm	
Radome material	Fiberglass	
Mechanical Tilt Range (°)	0~10	
Radome color	Light Grey	
Operational temperature (°C)	-40 to +70	
Wind load @150km/h (N)	1276/597/1344(Frontal/Lateral/Maximum)	
Max. operational wind speed (km/h)	241	

Layout



Frequency Range	Array	Connector
698-960MHz	R1/R2	1-2/3-4
1695-2690MHz	Y1/Y2	5-6/7-8

Pattern

