

**8 port TDD Antennas 4x(3300-3600)MHz 16.5dBi 2°~12°T
90°HPBW (Single Column)/65°HPBW(Broadcast)
Integrated RET ,(AISG2.0/3GPP)/MQ4+MQ5 Connectors/1m**

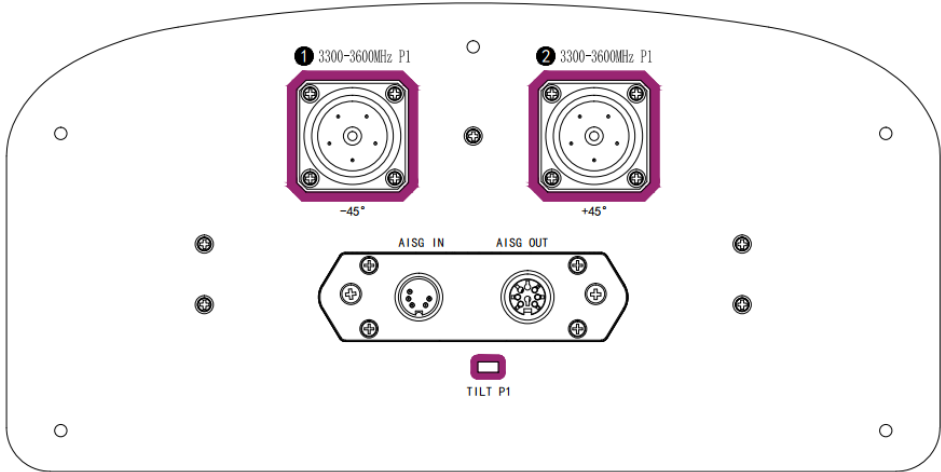
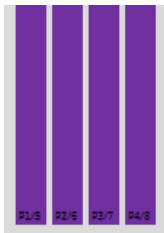
Electrical Specifications(BASTA12.0)				
General Parameters	Frequency Range(MHz)		3300-3600	
	Frequency Sub-Range(MHz)		3300-3400 3400-3600	
	Polarization (°)		±45	
	Electrical downtilt(°)		2-12	
	Tilt Accuracy(°)		±1	
	Impedance (Ω)		50	
	Lightning Protection		DC Ground	
Calibration and electrical parameter	Coupling Factor between calibration port and each antenna port(dB)		-26±2	
	Max. amplitude tolerance from calibration port to input ports (dB)		<0.9	
	Max. phase tolerance between calibration port and each antenna port(°)		<7	
	Ports VSWR		<1.5	
	3rd PIM@2 x 43 dBm(dBc)		<-150	
	Max. power per port(W)		200	
	Co-polarization Isolation between ports (dB)		>21 @2T, >25 @7T-12T	
	Cross-polarization Isolation between ports(dB)		>25	
Radiation parameters	Single column pattern	Azimuth Beamwidth 3dB(°)		90±10
		Gain (dBi)	Over all tilts	16.0±0.8
		±60°Gain roll-off at sector edge(dB)		-12±3
		Elevation Beamwidth 3dB(°)		5.5±1.5
		Cross polar ratio(0°)(dB)		>18
		Cross polar ratio(±60°)(dB)		>10
		Front to back ratio(dB)		>25
		First upper Side Lobe Suppression (dB)		>15
	Broadcast beam	Azimuth Beamwidth 3dB(°)		65±10
		Gain (dBi)	Over all tilts	17.5±0.3
		±60°Gain roll-offat sector edge(dB)		-12±3
		Cross polar ratio(0°)(dB)		>18
		Cross polar ratio(±60°)(dB)		>10
		Front to back ratio(dB)		>25
		First upper Side Lobe Suppression (dB)		>15
		0°direct beam	0°direct beam gain(dBi)	Over all tilts
	0°direct beam Azimuth Beamwidth 3dB(°)		25±3	

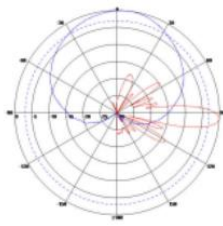
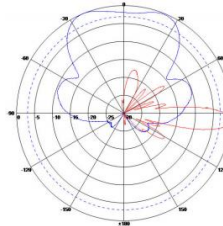
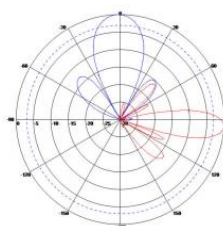
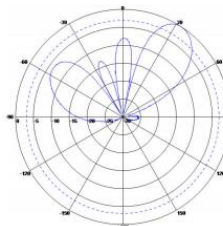
	Service beam	0°direct beam horizontal sidelobe suppression(dB)		>15
		0°direct beam cross polar ratio(axial)(dB)		>18
		0°direct beam front to back ratio(dB)		>25
	30°Soft split electrical propertie	Azimuth Beamwidth 3dB(°)		28±3
		Gain (dBi)	Over all tilts	19.5±0.5
		Front to back ratio(dB) above main		>24
		First upper Side Lobe Suppression (dB)		>15

Mechanical Specifications(BASTA12.0)

RET type	Integrated RET (AISG2.0/3GPP)	
AISG Connectors (1 input and 1 output)	2x8 (in: Male; out: Female)	
Connector	1xMQ4+1xMQ5	
Antenna Dimensions (H x W x D) (mm)	980x300x146	
Packing Size (H x W x D) (mm)	1150x410x230	
Antenna weight (kg)	11.5±1.0	
Clamps weight (kg)	2.1±0.5	
Packing weight(kg)	14.5±1.0	
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)	197/96/263(Frontal/Lateral/Maximum)	
Max. operational wind speed (km/h)	241	

Layout

			
Frequency Range	Array	Connector	
3300-3600MHz	P1/P2/P3/P4	1-5/2-6/3-7/4-8+(Cal)	

Pattern	
	
3300-3600MHz (Single Column Beam)	3300-3600MHz (BCH Beam)
	
3300-3600MHz (0° Service Beam)	3300-3600MHz (30° Service Beam)

Accessories			
Item	Model	Weight (kg)	Mechanical Tilt Range (°)
Mounting Kit	45YT	2.1±0.5	0-10