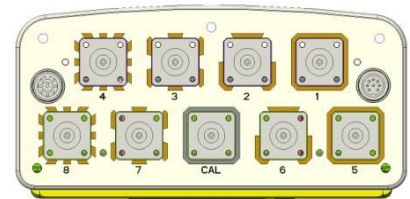


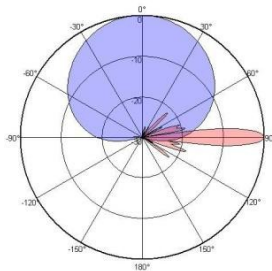
X Pol 3300~3800MHz 65° 18dBi Electrical Downtilt Antenna with Integrated RCU (Remote Control Unit)

Electrical specifications					
General parameters	Frequency range(MHz)		3300-3550	3550-3800	
	Polarization		±45°		
	Electrical downtilt(°)		0~10		
	Electrical downtilt tolerance(°)		±1		
Calibration and electrical parameters	Coupling factor between calibration port and each antenna port(dB)		26±2		
	Max.amplitude tolerance from calibration port to input ports(dB)		<0.7		
	Max.phase tolerance from calibration port to input ports(°)		≤5		
	Ports VSWR		≤1.5		
	Co-polarization isolation between ports(dB)		≥25		
	Cross-polarization isolation between ports(dB)		≥ 28		
	RET Model		TY-RCUB20-T2B(Internal motor)		
	RET Protocol		AISG 2.0 remotely upgradeable		
Radiation parameters	Single column beam	Horizontal 3dB beam width(°)		65±5	65±5
		Gain(dBi)		17.5	
		Vertical 3dB beam width(°)		≥6.5	≥6
		Cross polar ratio(0°)(dB)		≥18	
		Cross polar ratio(±60°)(dB)		≥10	
		Front to back ratio(dB)		≥28	
		Vertical sidelobe suppression for first sidelobe above main beam(dB)		≤-18	
	65° Broadcast beam	Horizontal 3dB beam width(°)		65±5	
		Gain(dBi)		17.5	
		Vertical 3dB beam width(°)		6.5	
		Cross polar ratio(0°)(dB)		≥22	
		Cross polar ratio(±60°)(dB)		≥10	
		Front to back ratio(dB)		≥28	
		Vertical sidelobe suppression for first sidelobe above main beam(dB)		≤-18	
	Service beam	0° direct beam gain(dBi)		≥22	≥22.5
		0° direct beam horizontal 3dB beam width(°)		≤20	
		0° direct beam sidelobe suppression(dB)		≤-12	
		0° direct beam cross polar ratio(axial)(dB)		≥22	
		0° direct beam front to back ratio(dB)		≥28	
		±30° direct beam gain(dBi)		≥19	≥19.5
		±30° direct beam horizontal 3dB beam width(°)		≤25	
		±30° direct beam horizontal sidelobe suppression(dB)		≥5	

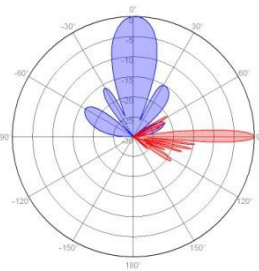
Mechanical specifications	
Antenna dimensions(H×W×D)(mm)	1000×320×105
Packing size(mm)	1290×415×185
Antenna net weight(kg)	Approx 10
Installation kit weight(kg)	4
Packing weight(kg)	16
Mechanical downtilt(°)	0~10
Mast diameter(mm)	φ50~ φ115
Radome material	ASA
Radome colour	Gray
Operating temperature(°C)	-40~60
Wind load(N,at 150km/h)	342/84/363
Frontal/Lateral/Rearside	
Max. wind velocity (km/h)	216
Connector type	9×N-Female
Connector position	Bottom



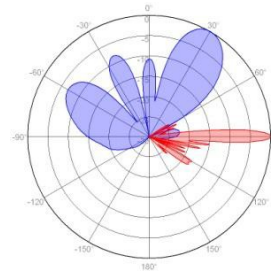
3500MHz 0°



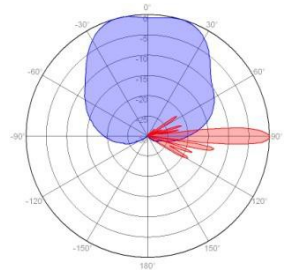
Single Column Beam



0° Service Beam

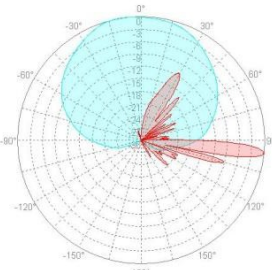


30° Service Beam

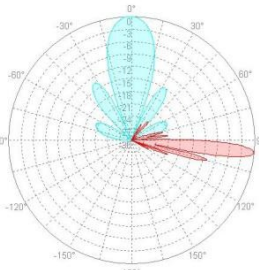


BCH Beam

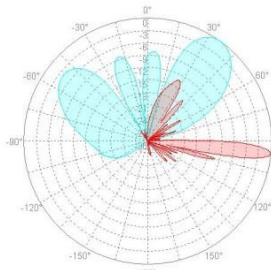
3500MHz 10°



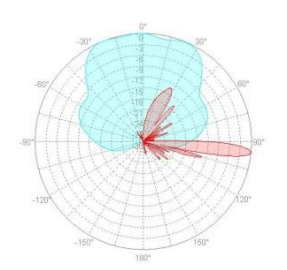
Single Column Beam



0° Service Beam



30° Service Beam



BCH Beam