

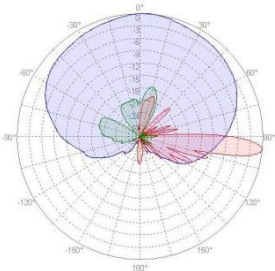
X Pol 3380~3550MHz 100°/90°±15° 14/15dBi 6° Fixed Electrical Downtilt Smart Antenna

Electrical specifications					
General parameters	Frequency range(MHz)		3380-3450	3480~3550	
	Polarization		±45°		
	Electrical downtilt(°)		6		
	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)		≥28		
	Cross-polarization isolation between ports(dB)		≥ 30		
Radiation parameters	Single column beam	Horizontal 3dB beam width(°)		100±15	90±15
		Gain(dBi)		≥14	≥15
		Vertical 3dB beam width(°)		≥6.5	≥6
		Cross polar ratio(0°)(dB)		≥18	
		Cross polar ratio(±60°)(dB)		≥10	
		Front to back ratio(dB)		≥23	
		Vertical sidelobe suppression for first sidelobe above main beam(dB)		≤-15	≤-15
	65° Broadcast beam	Horizontal 3dB beam width(°)		65±5	65±5
		Gain(dBi)		≥14.5	≥15.5
		±60°Gain roll-off at sector edge(dB)		-12±3	
		Vertical 3dB beam width(°)		>6.5	>6
		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)		≤-16		
	Service beam	0° direct beam gain(dBi)		≥20	≥21
		0° direct beam horizontal 3dB beam width(°)		≤34	≤32
		0° direct beam sidelobe suppression(dB)		≤-12	≤-12
		±60° direct beam gain(dBi)		≥16.5	≥17.5
		±60° direct beam horizontal 3dB beam width(°)		≤35	≤32
		±60° direct beam horizontal sidelobe suppression(dB)		≤-5	
		0° direct beam cross polar ratio(axial)(dB)		≥22	
		0° direct beam front to back ratio(dB)		≥28	

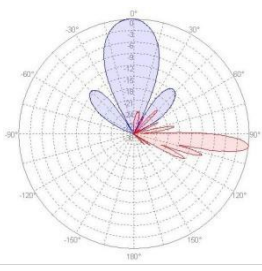
Mechanical specifications	
Antenna dimensions(H×W×D)(mm)	1000×220×105
Packing size(mm)	1290×315×185
Antenna net weight(kg)	Approx 6.5
Installation kit weight(kg)	4
Packing weight(kg)	12.6
Mechanical downtilt(°)	0~10
Mast diameter(mm)	φ50~ φ115
Radome material	ASA
Radome colour	Gray
Operating temperature(°C)	-55~65
Wind load(N,at 150km/h)	300//87340
Frontal/Lateral/Rearside	
Max. wind velocity (km/h)	216
Connector type	9xN-Female
Connector position	Bottom



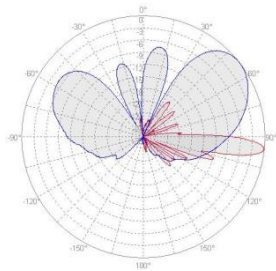
3400MHz



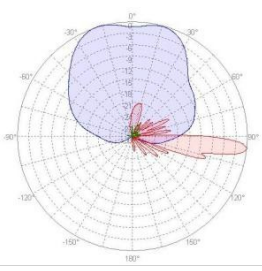
Single Column Beam



0 ° Service Beam

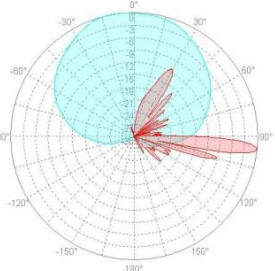


60 ° Service Beam

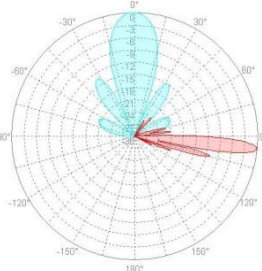


BCH Beam

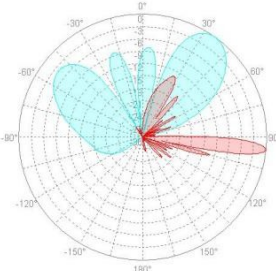
3500MHz



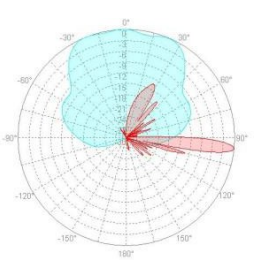
Single Column Beam



0 ° Service Beam



60 ° Service Beam



BCH Beam