

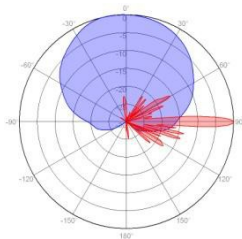
XPoI 2496~2690MHz 90° 17dBi TD-LTE Adjustable Electrical Downtilt Antenna with Integrated RCU (Remote Control Unit)

Electrical specifications			
General parameters	Frequency range(MHz)	2496~2690	
	Polarization	±45°	
	Electrical downtilt(°)	0~6	
	Electrical downtilt tolerance(°)	±0.5	
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	≤1.43	
	Co-polarization isolation between ports(dB)	≥18	
	Cross-polarization isolation between ports(dB)	0-2°:≥ 25 ; 3-6°:≥ 27	
	Intermodulation IM3(2x43dbm)	≤-100dBm	
	RET Model	TY-RCUB20-T2B(Internal motor)	
	RET Protocol	AISG 2.0 remotely upgradeable	
Radiation parameters	Single column beam	Horizontal 3dB beam width(°)	90±8
		Gain(dBi)	16.8±0.5
		Vertical 3dB beam width(°)	5
		Cross polar ratio(0°)(dB)	≥18
		Cross polar ratio(±60°)(dB)	≥10
		Front to back ratio(dB)	≥30
		Vertical sidelobe suppression for first sidelobe above main beam(dB)	≤-18
	65° Broadcast beam	Horizontal 3dB beam width(°)	65±5
		Gain(dBi)	16.5±0.5
		Vertical 3dB beam width(°)	5
		Cross polar ratio(0°)(dB)	≥18
		Cross polar ratio(±60°)(dB)	≥10
		Front to back ratio(dB)	≥30
		Vertical sidelobe suppression for first sidelobe above main beam(dB)	≤-18
	Service beam	0° direct beam gain(dBi)	21.5
		0° direct beam horizontal 3dB beam width(°)	27
		0° direct beam cross polar ratio(axial)(dB)	≥18
		0° direct beam front to back ratio(dB)	≥30
		±30° direct beam gain(dBi)	19
		±30° direct beam horizontal 3dB beam width(°)	≤32
		±30° direct beam horizontal sidelobe suppression(dB)	≤-6

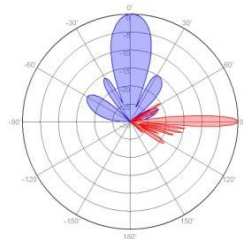
Mechanical specifications	
Antenna dimensions(H×W×D)(mm)	1550×320×150
Packing size(mm)	1815×415×270
Antenna net weight(kg)	Approx 24.5
Installation kit weight(kg)	6
Packing weight(kg)	35
Mechanical downtilt(°)	0~10
Mast diameter(mm)	φ50~ φ115
Radome material	UPVC
Radome colour	Gray
Operating temperature(°C)	-40~60
Wind load(N,at 150km/h)	543/182/644
Frontal/Lateral/Rearside	
Max. wind velocity (km/h)	216
RET connector	1×8 pin male and 1×8 pin female
Connector type	9×N-Female
Connector position	Bottom
Connector distance(mm)	≥50



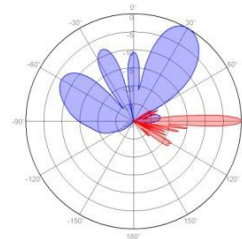
2496~2690MHz 0°



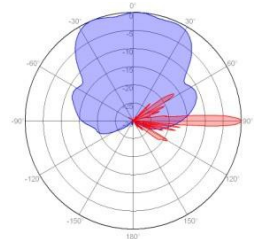
Single Column Beam



0° Service Beam

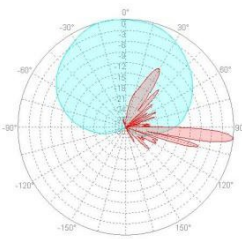


30° Service Beam

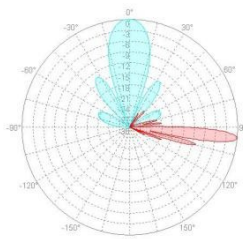


BCH Beam

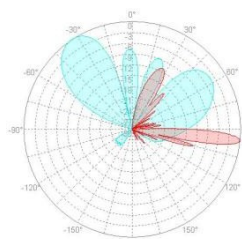
2496~2690MHz 6°



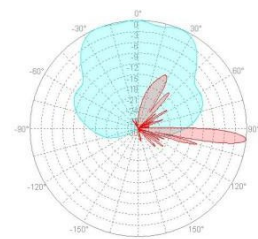
Single Column Beam



0° Service Beam



30° Service Beam



BCH Beam