

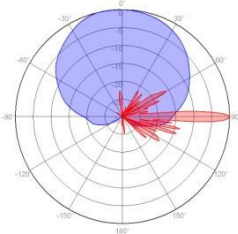
## X Pol 2496~2690MHz 65° 18dBi TD-LTE Adjustable Electrical Downtilt Antenna with Integrated RCU (Remote Control Unit)

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)		≥24
	Cross-polarization isolation between ports(dB)		0-2°:≥ 25 ; 3-6°:≥ 30
	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(°)	65±8
		Gain(dBi)	18±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)	17.5±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)	22.5
		0° direct beam horizontal 3dB beam width(°)	23
		0° direct beam cross polar ratio(axial)(dB)	≥18
		0° direct beam front to back ratio(dB)	≥30
		±30° direct beam gain(dBi)	21.5
		±30° direct beam horizontal 3dB beam width(°)	≤27
		±30° direct beam horizontal sidelobe suppression(dB)	≤-6

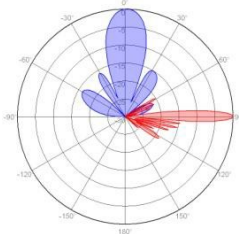
Mechanical specifications	
Antenna dimensions(HxWxD)(mm)	1550x320x150
Packing size(mm)	1815x415x270
Antenna net weight(kg)	Approx 24.3
Installation kit weight(kg)	4.3
Packing weight(kg)	32.5
Mechanical downtilt(°)	0~10
Mast diameter(mm)	φ50~ φ115
Radome material	UPVC
Radome colour	Gray
Operating temperature(°C)	-40~60
Wind load(N,at 150km/h) Frontal/Lateral/Rearside	543/182/644
Max. wind velocity (km/h)	216
RET connector	1x8 pin male and 1x8 pin female
Connector type	9xN-Female
Connector position	Bottom
Connector distance(mm)	≥50



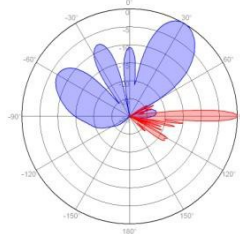
**2496~2690MHz 0°**



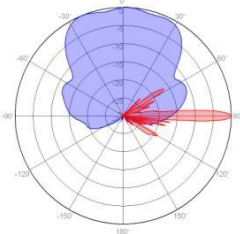
Single Column Beam



0° Service Beam

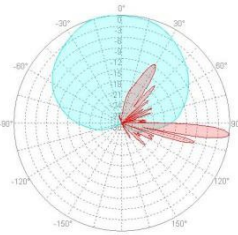


30° Service Beam

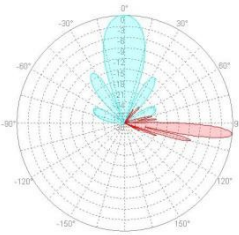


BCH Beam

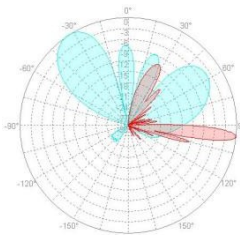
**2496~2690MHz 6°**



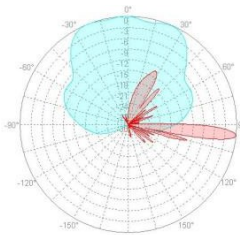
Single Column Beam



0° Service Beam



30° Service Beam



BCH Beam