

Small cell antenna

Model: EHST304A

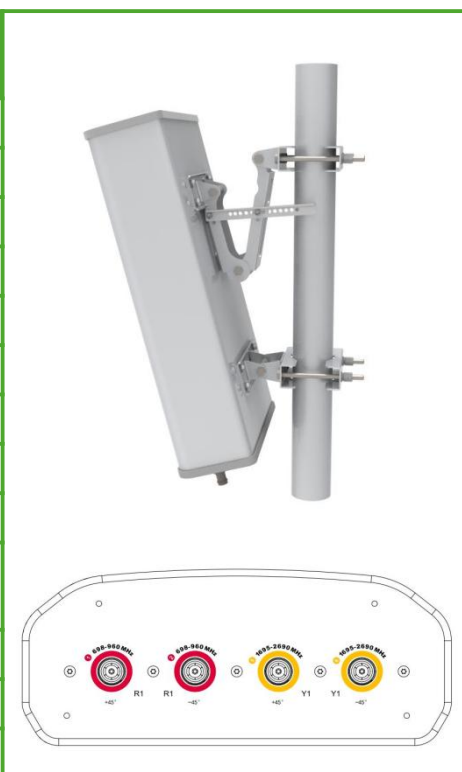


ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	R1 (698-960)			Y1 (1695-2690)			
	698-824	791-894	880-960	1695-1990	1920-2180	2300-2400	2490-2690
Polarization	$\pm 45^\circ$						
Gain over all tilts (dBi)	10.2 $\pm$ 0.9	10.8 $\pm$ 0.8	11.3 $\pm$ 0.8	11.2 $\pm$ 0.8	11.7 $\pm$ 0.8	12.3 $\pm$ 0.8	12.6 $\pm$ 0.8
Horizontal 3dB beam width($^\circ$)	68 $\pm$ 8	66 $\pm$ 8	63 $\pm$ 8	69 $\pm$ 8	67 $\pm$ 8	65 $\pm$ 8	61 $\pm$ 8
Vertical 3dB beam width($^\circ$)	38 $\pm$ 6	36 $\pm$ 7	32 $\pm$ 7	22 $\pm$ 3	20 $\pm$ 3	18 $\pm$ 3	16 $\pm$ 3
Front to back ratio(dB)	≥ 20	≥ 20	≥ 21	≥ 20	≥ 20	≥ 21	≥ 21
Cross polar ratio(0 $^\circ$)(dB)	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
Ports VSWR	≤ 1.8						
Isolation: intra-system (dB)	≥ 21						
Isolation: inter-system (dB)	≥ 21						
Intermodulation IM3 (2 $\times$ 43dBm)	≤ -150 dBc						
Impedance (Ω)	50						
Max Input Power (W)	240						

MECHANICAL SPECIFICATIONS

Connector(s)	4 $\times$ 4.3-10 female
Connector position	Bottom
Antenna Dimensions (mm)	600 $\times$ 295 $\times$ 115
Packing Dimensions (mm)	845 $\times$ 390 $\times$ 210
Mechanical Downtilt kits ($^\circ$)	0-12
Radome Color	light gray
Radome Material	Fiberglass
Antenna weight (kg)	≤ 7
Packing weight (kg)	≤ 15
Wind load (N,at 150km/h) Frontal/Lateral/Rearside	314/57/363
Operating temperature ($^\circ$ C)	-40 ~ +60
Maximum Wind Speed(km/h)	200
Mounting Pipe Diameter (mm)	$\Phi 50 \sim \Phi 115$

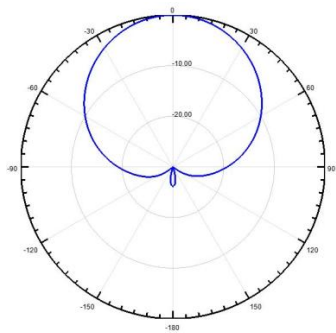


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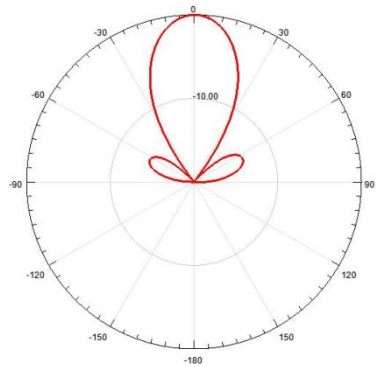
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Pattern



H Pattern



E Pattern

Y1

R1