

Small cell antenna

Model: EHS1S304A



EAHiSON

ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	R	Y
	690-960	1710-2690
Polarization	$\pm 45^{\circ}$	
Gain over all tilts (dBi)	≥ 10	≥ 11
Horizontal 3dB beam width($^{\circ}$)	65	65
Vertical 3dB beam width($^{\circ}$)	$\leq 35 \pm 5$	$\leq 20 \pm 5$
Front to back ratio(dB)	≥ 21	≥ 21
Cross polar ratio(0°)(dB)	≥ 15	≥ 15
Ports VSWR	≤ 1.8	
Isolation: intra-system (dB)	≥ 21	
Isolation: inter-system (dB)	≥ 21	
Intermodulation IM3 ($2 \times 43\text{dBm}$)	$\leq -150\text{dBc}$	
Impedance (Ω)	50	
Max Input Power (W)	240	

MECHANICAL SPECIFICATIONS

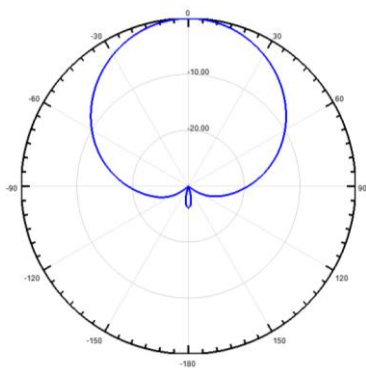
Connector(s)	$4 \times 4.3-10$ female
Connector position	Bottom
Antenna Dimensions (mm)	600x295x115
Packing Dimensions (mm)	/
Mechanical Downtilt kits ($^{\circ}$)	0-12
Radome Color	light gray
Radome Material	Fiberglass
Antenna weight (kg)	≤ 7
Packing weight (kg)	/
Wind load (N, at 150km/h) Frontal/Lateral/Rearside	/
Operating temperature ($^{\circ}\text{C}$)	$-40 \sim +60$
Maximum Wind Speed(km/h)	200
Mounting Pipe Diameter (mm)	$\Phi 50 \sim \Phi 115$

Small cell antenna

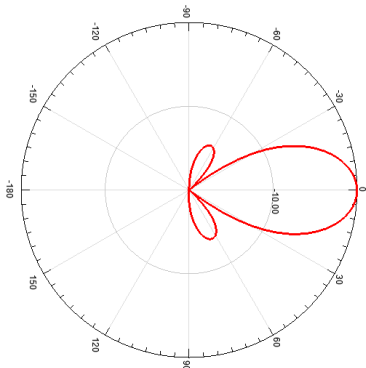
Model: EHS1S304A



EAHiSON



H Pattern



E Pattern

Y

R