

Small cell antenna

Model: HX-S304A

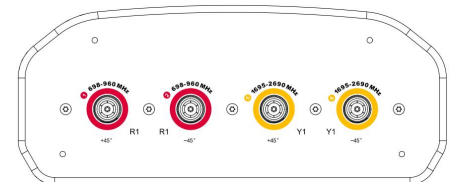


ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	R1 (698-960)			Y1 (1695-2690)			
	698-824	791-894	880-960	1695-1990	1920-2180	2300-2400	2490-2690
Polarization	±45°						
Gain at mid tilts (dBi)	10.1	10.3	10.6	10.9	11.1	11.3	11.6
Gain (dBi)	10±1	10.2±1	10.5±1	10.8±1	11±1	11.2±1	11.5±1
Horizontal 3dB beam width(°)	70±8	65±8	60±8	66±8	65±8	63±8	60±8
Vertical 3dB beam width(°)	38±5	35±5	33±5	20±3	19±3	18±3	17±3
Front to back ratio(dB)	≥20	≥20	≥21	≥20	≥20	≥21	≥21
Cross polar ratio(0°)(dB)	≥15	≥16	≥17	≥15	≥16	≥16	≥15
Ports VSWR	≤1.8						
Isolation: intra-system (dB)	≥21						
Isolation: inter-system (dB)	≥21						
Intermodulation IM3 (2×43dBm)	≤-150dBc						
Impedance (Ω)	50						
Max Input Power (W)	240						

MECHANICAL SPECIFICATIONS

Connector(s)	4×4.3-10 female
Connector position	Bottom
Antenna Dimensions (mm)	600x295x115
Packing Dimensions (mm)	845×390×210
Mechanical Downtilt kits (°)	0-12
Radome Color	light gray
Radome Material	Fiberglass
Antenna weight (kg)	≤7
Packing weight (kg)	≤15
Wind loading @ Velocity, frontal	314 N @ 150km/h
Wind loading @ Velocity, lateral	57 N @ 150km/h
Wind loading @ Velocity, rear	363 N @ 150km/h
Wind Speed,maximun	200 km/h
Operating temperature (°C)	-40~+60
Mounting Pipe Diameter (mm)	Φ50~Φ115



Guangdong HOSENC Communication Technology Co., Ltd®

Address: No. 100, South Sanshui Avenue, Baini Town, Sanshui District, Foshan City, Guangdong Province



危险 Dangerous:



高空作业时，操作人员一定要系好安全带，戴好安全帽。
When working high above the ground, the operator must wear safety belts and helmet.



请穿戴好鞋和橡胶手套。请穿长袖衬衫和橡胶手套。
Wear shoes with rubber soles and heels. Wear protective clothing including a long-sleeved shirt and rubber gloves.



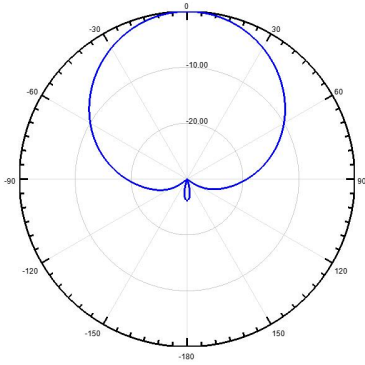
请勿在雷雨、大风天气或者所在区域有闪电或者雷声时安装。请勿在雷雨区域安装。
Do not install on a wet or windy day or when lightning or thunder is in the area. Do not use metal ladder.



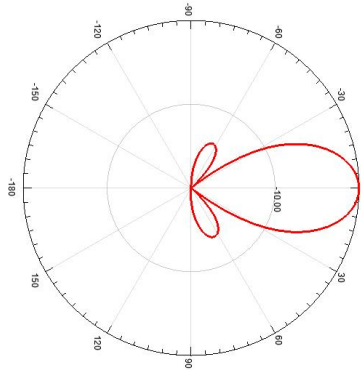
请勿安装在电源线附近。电源线、电话线、电视线和拉线外皮等，任何导线都不要接入天线中心。
Do not install near power lines. Power lines, telephone lines, and guy wires look the same. Assume any wire or line can electrocute you.

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H Pattern



E Pattern

Y1

R1

http://www.hosenc.com/page109?product_id=69



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Wear shoes with rubber soles and heels. Wear protective clothing including a long-sleeved shirt and rubber gloves.

请勿在布雨、大风天气或者所在区域有闪电或者雷声时安装，请勿使用金属梯子。
Do not install on a wet or windy day or when lightning or thunder is in the area. Do not use metal ladder.

请勿安装在电源附近，电源线、电话线、电视线和天线外皮相似，任何导线都不能接入微波头。
Do not install near power lines. Power lines, telephone lines, and pay wires look the same. Assume any wire or line can electrocute you.