

8dBi UHF Reader Antenna

Model : SID-ANT-U8CP-802

Descriptions

- 902~925 MHz
- 8dBi
- Circular Polarization
- 256*256*45mm
- Connector N-Female
- IP54

Applications

- RFID logistics tracking
- Warehouse management
- Door control system
- Man management system

Specification



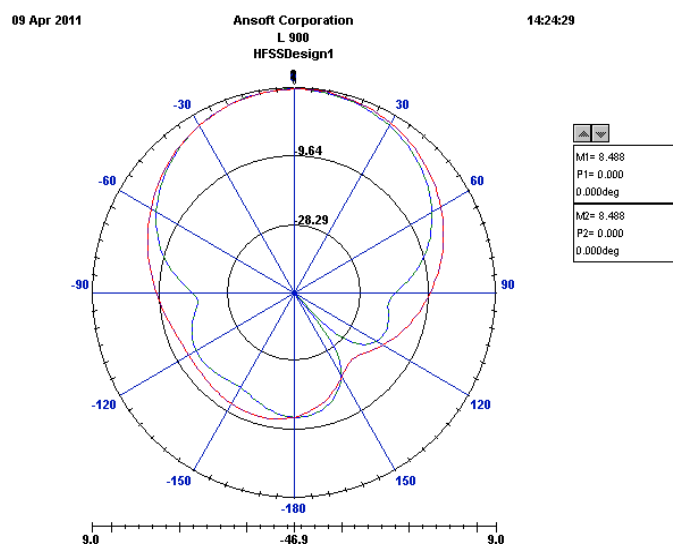
Electrical Specifications	
Frequency	920~925MHz
Gain	8dBi
Beam width	Hor: 60° Ver: 60°
Polarization	Circular
VSWR	≤1.4
F/B Ratio	≥20
Impedance	50Ω
Maximum power	50W
Lightning protection	DC Ground
Connector	Customized
Mechanical Specifications	
Dimension	256*256*45mm
Net weight	0.65kg
Packing size	40.5*30.5*10.5cm
Gross weight	1.32kg
Radome material	ABS
Radome colour	White
Pole Diameter	Φ30-50mm
Rated wind velocity	60m/s
Operating temperature	-40-70°C

VSWR

920~925MHz



Azimuth & gain at different frequency points.

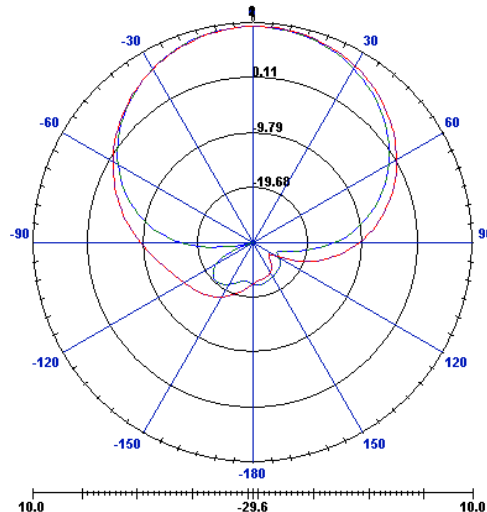


$f=900\text{MHz}$
 $G=8.4\text{dBi}$

09 Apr 2011

Ansoft Corporation
L 920
HFSSDesign1

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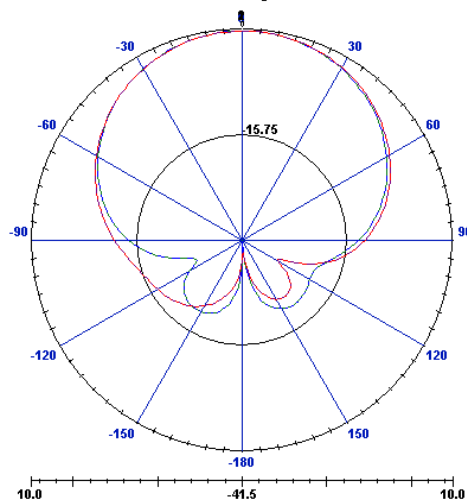
$f=920\text{MHz}$
 $G=9.2\text{dBi}$

M1= 9.228 P1= 0.000 0.000deg
M2= 9.228 P2= 0.000 0.000deg

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$f=930\text{MHz}$
 $G=9.3\text{dBi}$

M1= 9.379 P1= 0.000 0.000deg
M2= 9.379 P2= 0.000 0.000deg