

Planar Spiral Antenna
4 dBi Typ. Gain, 1-4 GHz Frequency Range

Planar Spiral Antenna Data Sheet

RM-PSA14-4R

Features

- Ideal for airborne or ground applications
- Low VSWR
- R-H Circular Polarization
- With Radome

Descriptions

RF MISO's **Model RM-PSA14-4R** is a RHCP planar spiral antenna that operates from 1-4GHz. The antenna offers a gain 4dBi Typ. and low VSWR 1.5 Typ. with N-Female connector. It designed for EMC, reconnaissance, orientation, remote sensing, and flush mounted vehicle applications. These spiral antennas can be used as separate antenna components or as feeders for reflector satellite antennas.

Specifications

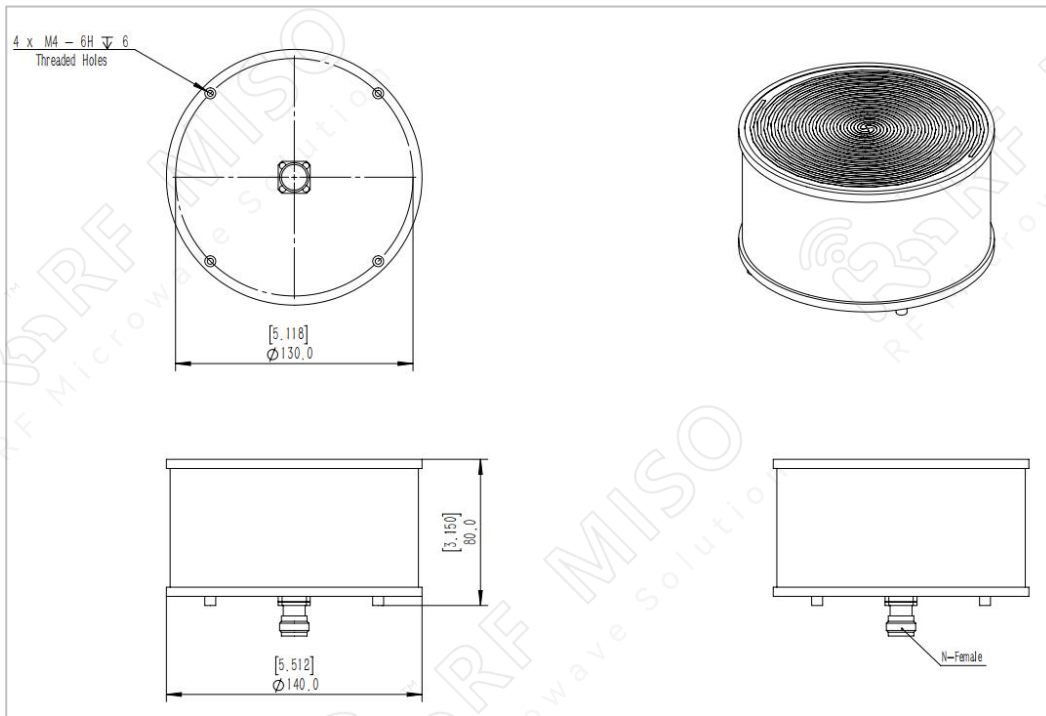
Parameters	Typical	Units
Frequency Range	1-4	GHz
Gain	4 Typ.	dBi
VSWR	1.5 Typ.	
AR	1.5 Typ.	dB
3dB Beamwidth, E-Plane	66.20~98.17	°
3dB Beamwidth, H-Plane	62.01~98.08	°
XPD	35	dB
Polarization	R-H Circular Polarization	
Connector	N-Female	
Material	Al	
Finishing	Paint Black	
Size(L*W*H)	Ø140.0*80.0(±5)	mm
Weight	0.627	kg
Power Handling	CW:10 Peak:300	W
Antenna Cover	Yes	
Waterproof	Yes	

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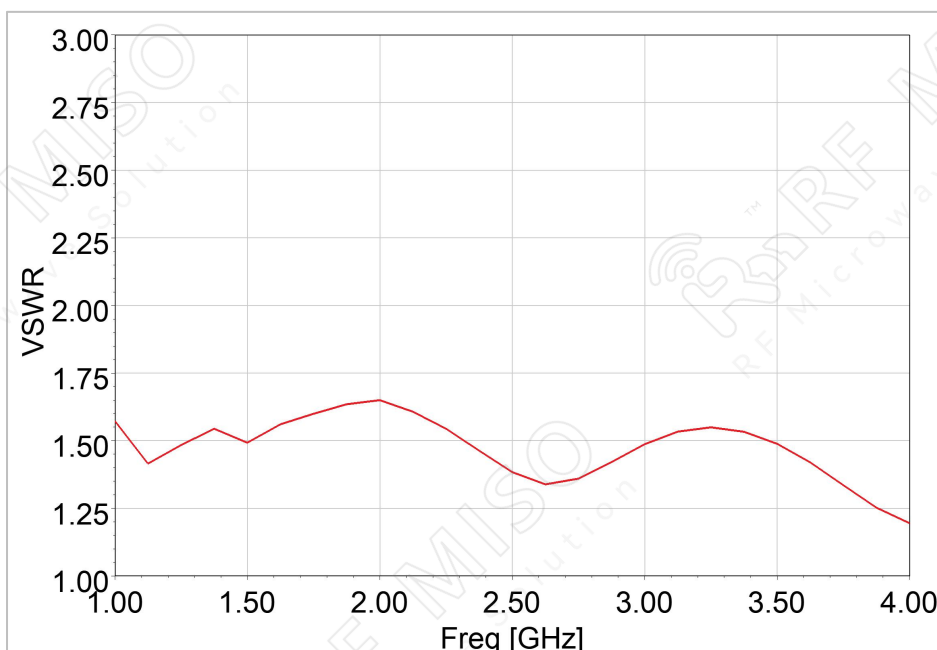
RM-PSA14-4R

Outline Drawing



Simulation Data

VSWR

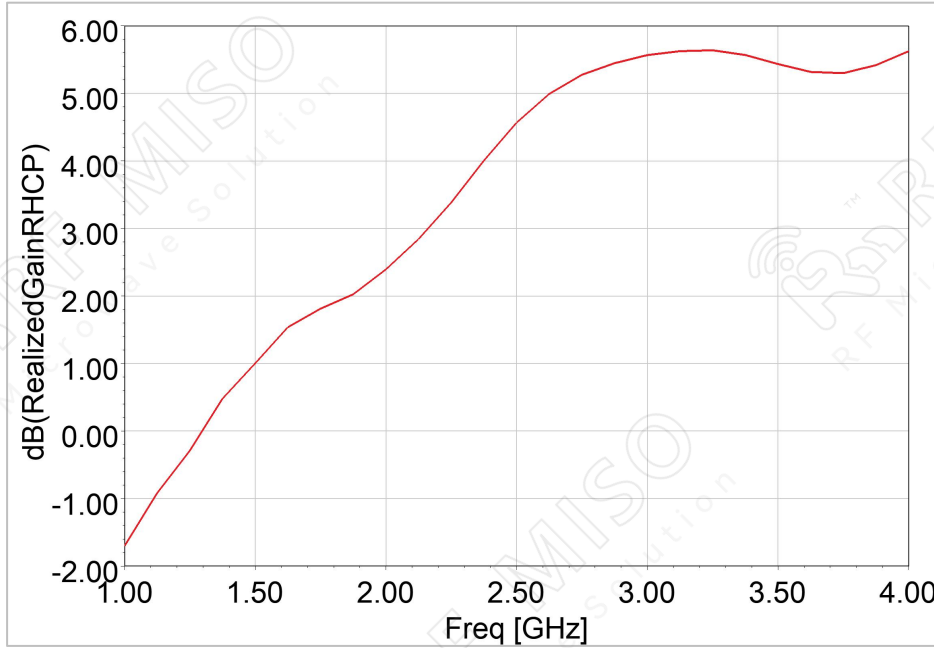


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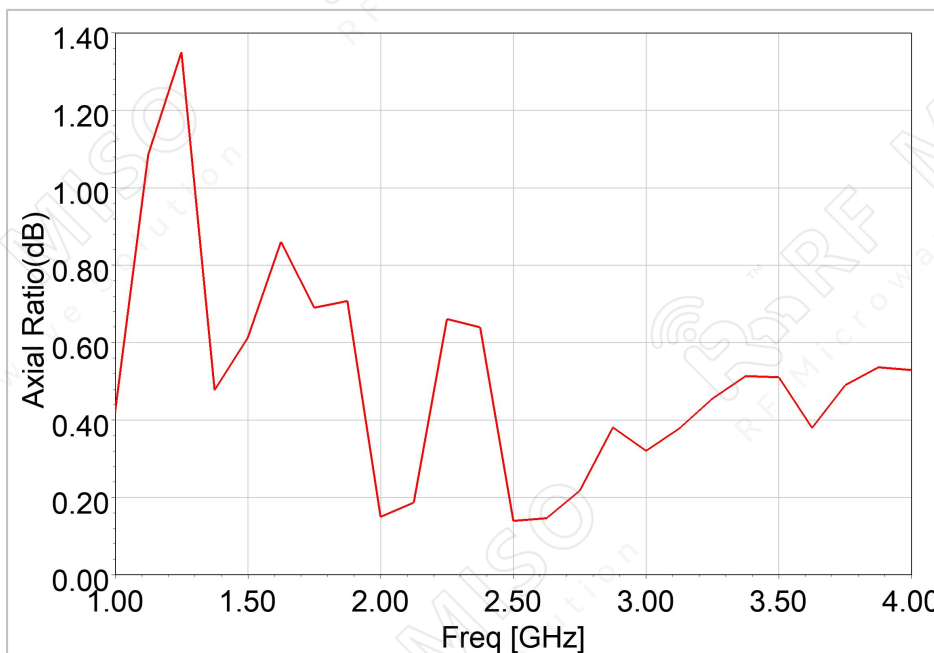
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Gain



AR

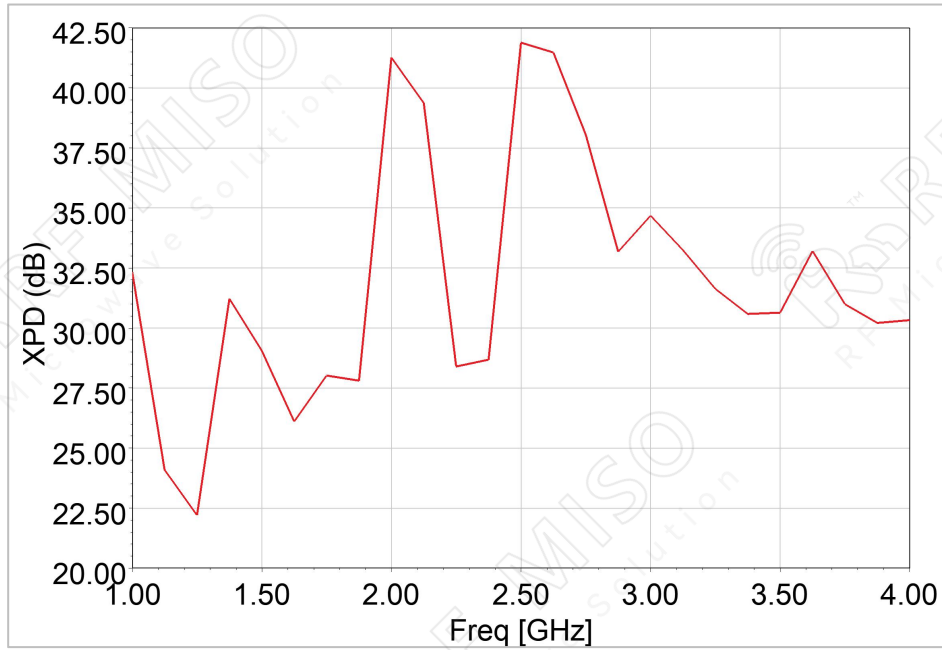


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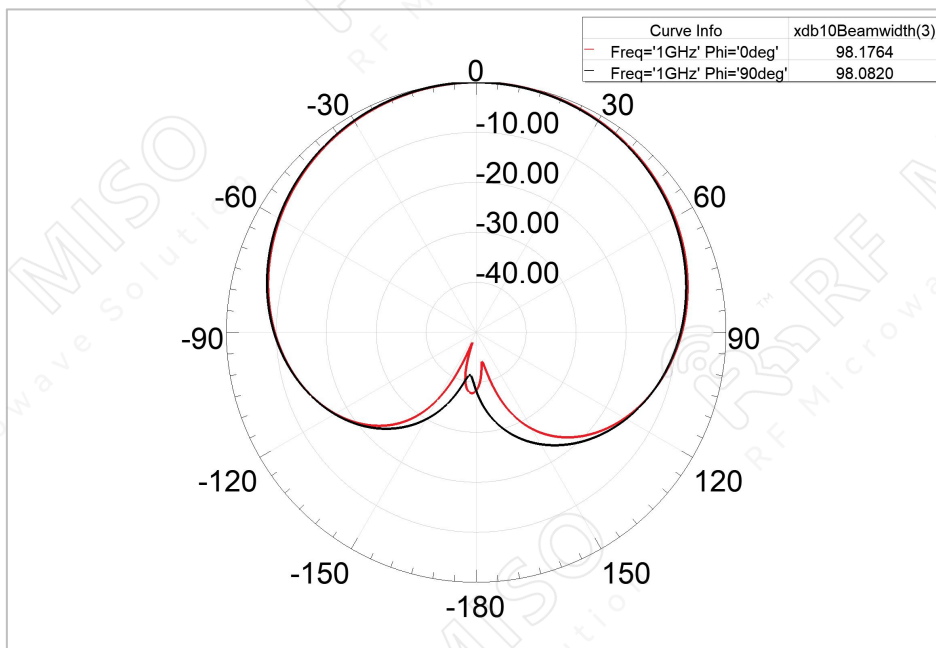
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XPD



Gain Pattern

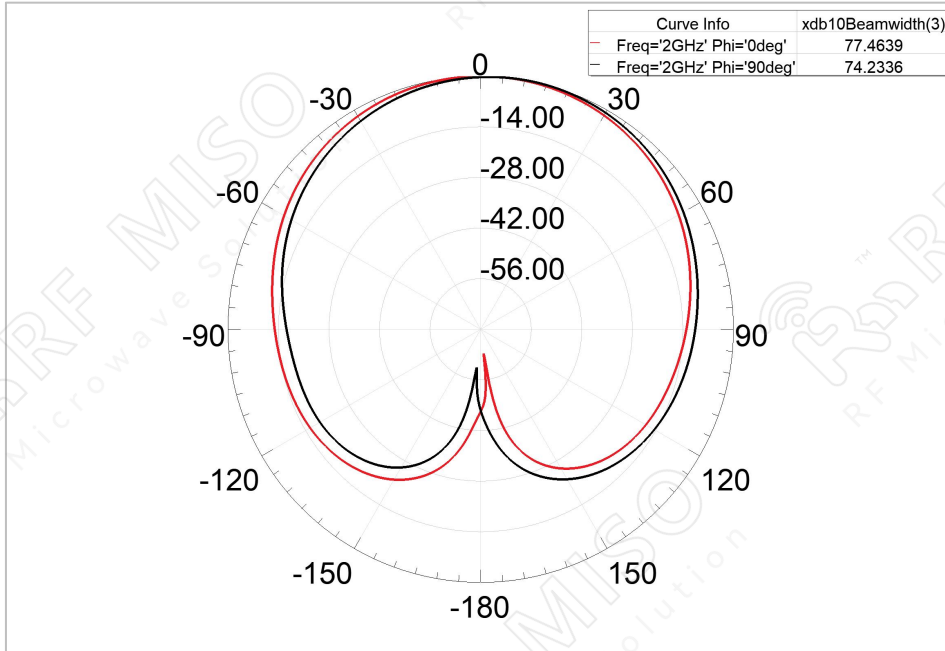


1GHz

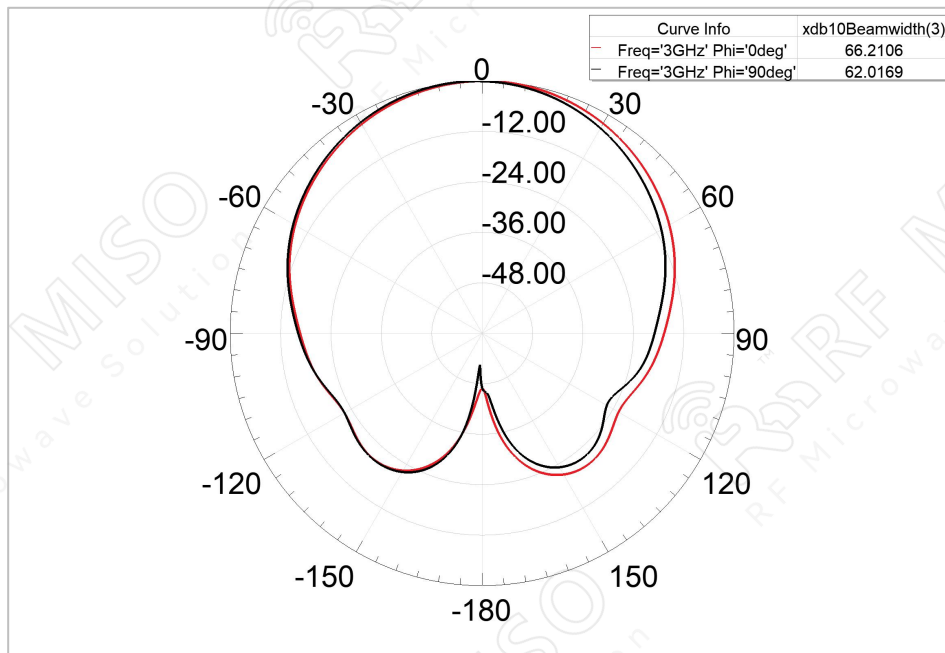
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2GHz



3GHz

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