

Planar Spiral Antenna
2 dBi Typ. Gain, 18-40 GHz Frequency Range

Planar Spiral Antenna Data Sheet

RM-PSA1840-2

Features

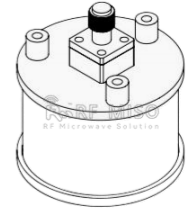
- Ideal for airborne or ground applications
- Low VSWR
- R-H Circular Polarization
- With Radome

Descriptions

RF MISO's **Model RM-PSA1840-2** is a right-handed circularly planar spiral antenna that operates from 18 to 40GHz. It designed for EMC, reconnaissance, orientation, remote sensing, and flush mounted vehicle applications. These helical antennas can be used as separate antenna components or as feeders for reflector satellite antennas.

Specifications

RM-PSA1840-2		
Parameters	Typical	Units
Frequency Range	18-40	GHz
Gain	>2 Typ.	dBi
VSWR	2.5:1 Typ.	
Polarization	R-H Circular Polarization	
Connector	2.92-Female	
Material	Al/Epoxy fiberglass	
3dB Beam width	60° - 80°	
Size(L*W*H)	Φ33.2*36.9(±5)	mm
Antenna Cover	Yes	
Waterproof	Yes	
Weight	0.01	Kg
Power Handling, CW	1	w
Power Handling, Peak	50	w

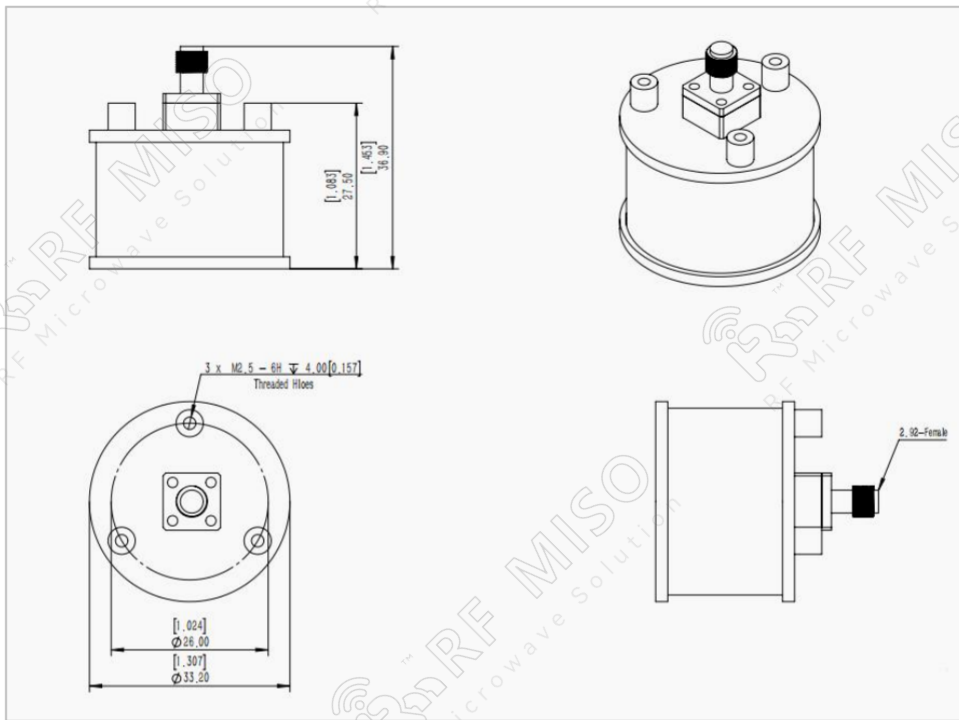


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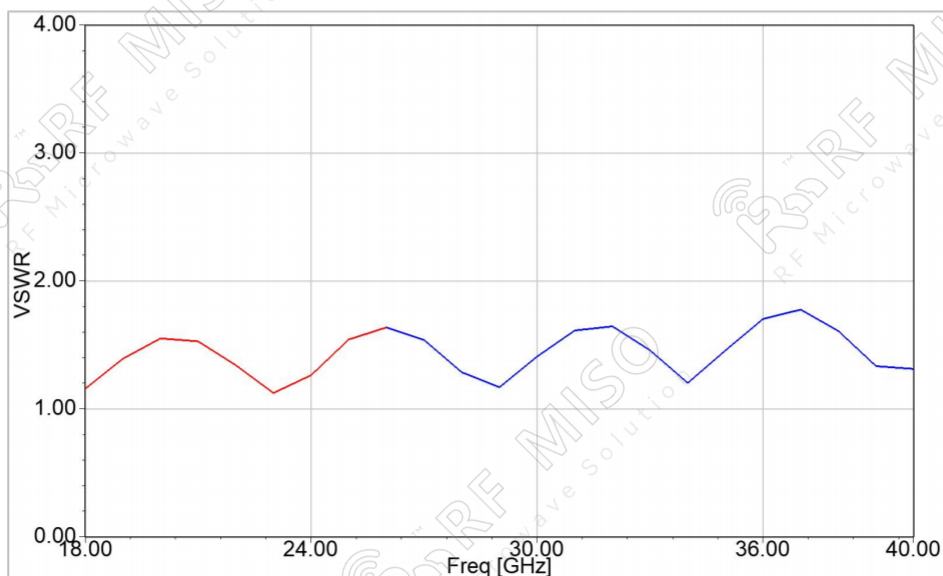
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Outline Drawing

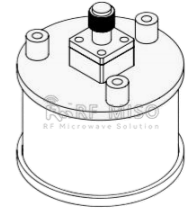


Simulation Data

VSWR



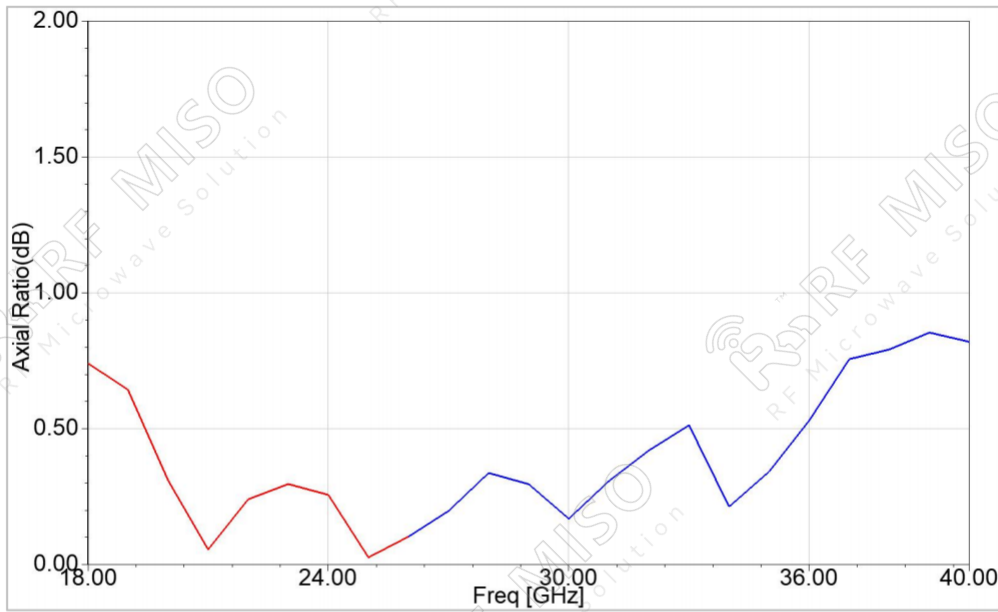
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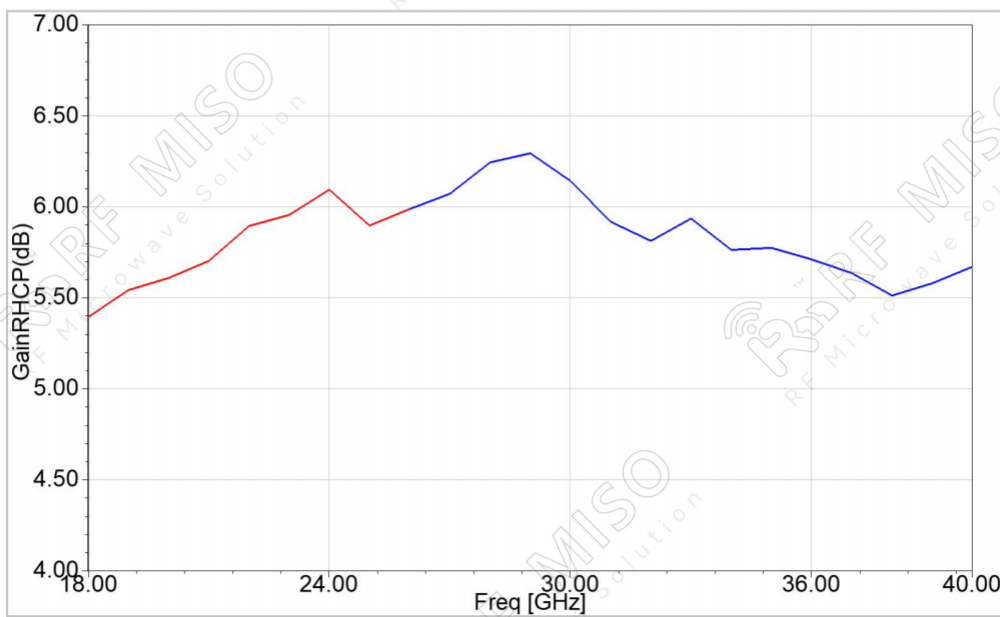
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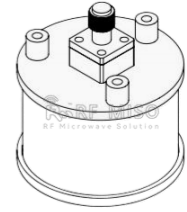
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Axial Ratio



Gain RHCP

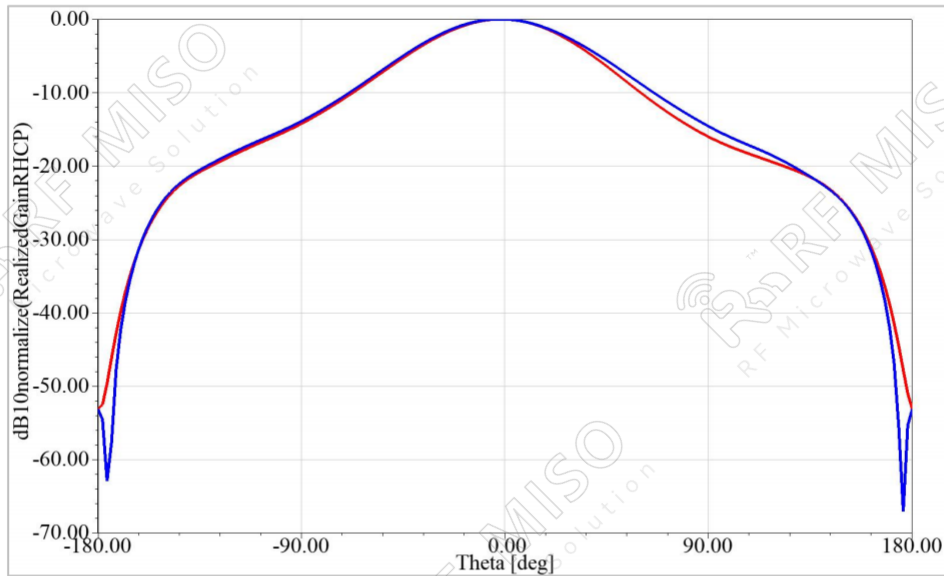




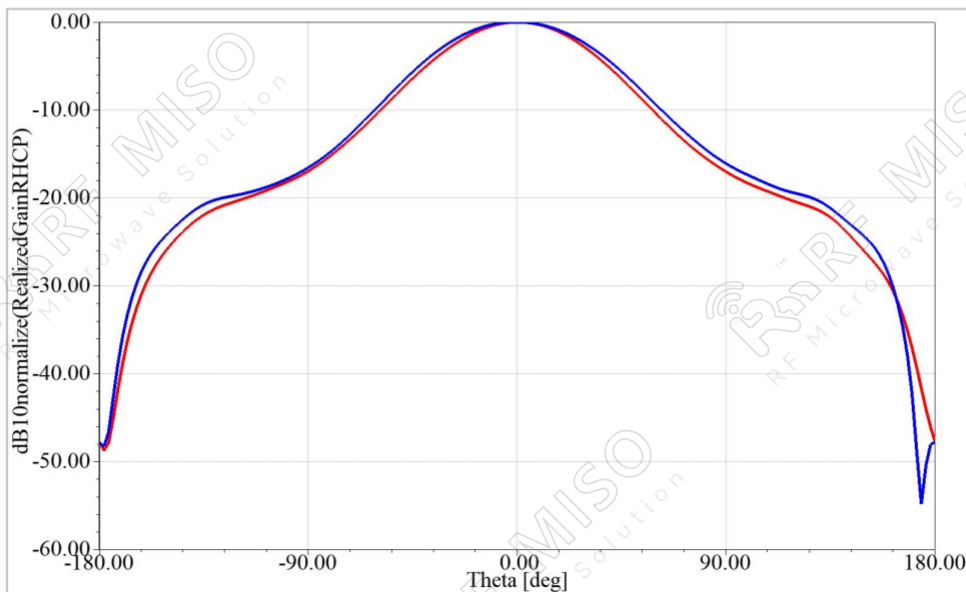
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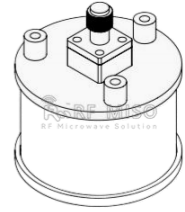
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18GHz:



24GHz:



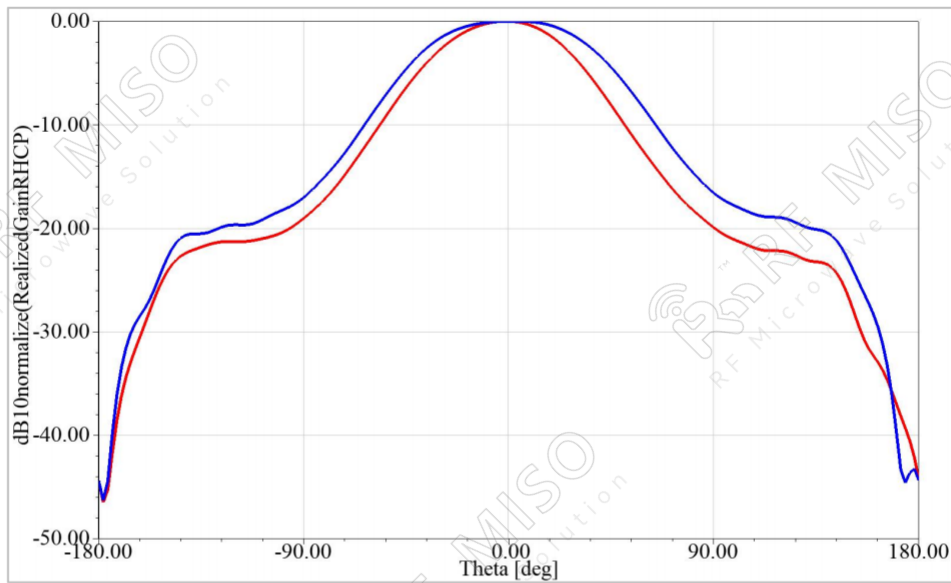


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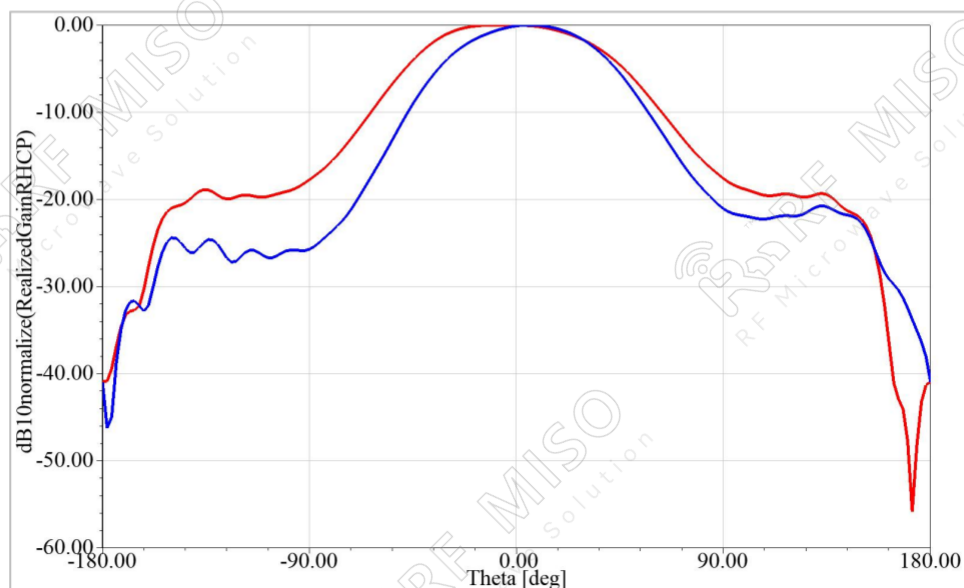
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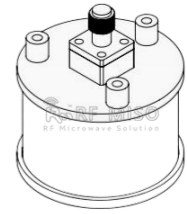
30GHz:



36GHz:



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40GHz:

