

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



## Planar Spiral Antenna Data Sheet

**RM-PSA218-V2**

### Features

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

### Descriptions

RF MISO's **Model RM-PSA218-V2** is a right-handed circularly planar spiral antenna that operates from 2-18GHz. The antenna offers a gain 2 dBi Typ. and low VSWR 1.5:1 with SMA-Female connector. 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-PSA218-V2		
Parameters	Typical	Units
Frequency Range	2-18	GHz
Gain	2 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	R-H Circular Polarization	
Connector	SMA-Female	
Material	Al	
Finishing	Paint Black	
Size	82.55*82.55*48.26(L*W*H)	mm
Antenna Cover	Yes	
Waterproof	Yes	
Weight	0.23	Kg

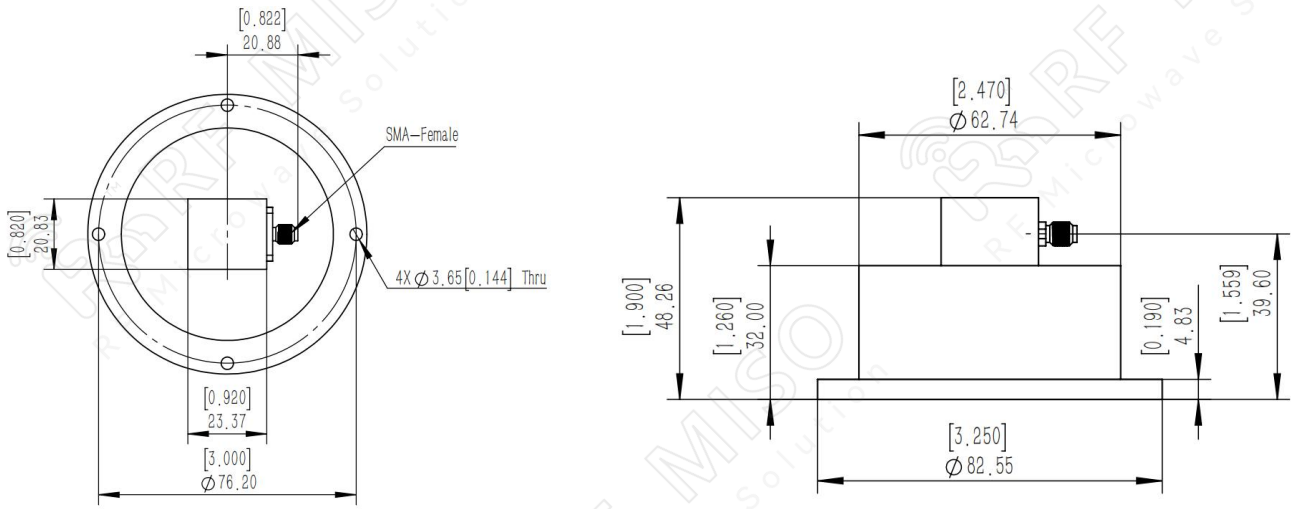
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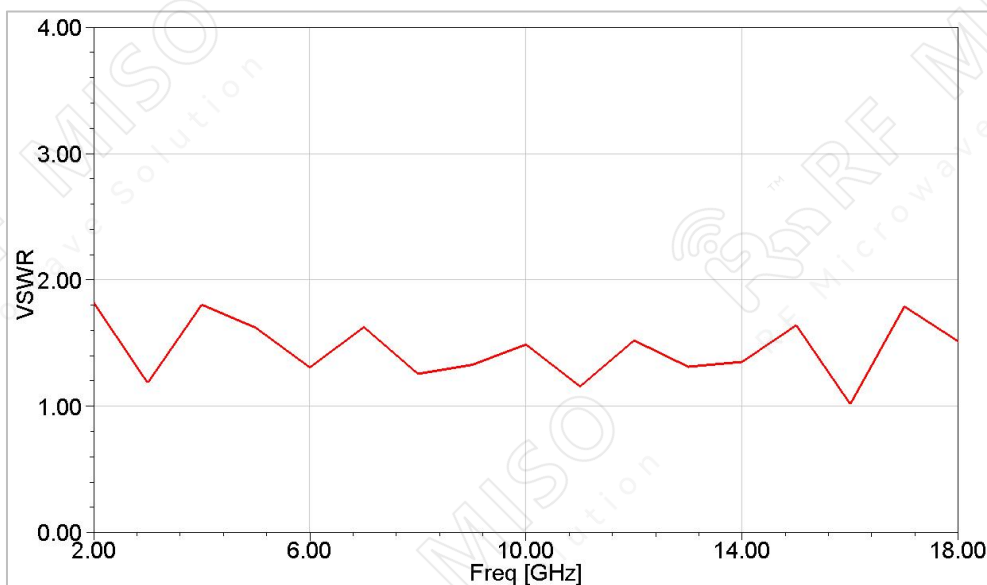
**RM-PSA218-V2**

**Outline Drawing**



**Simulation Data**

**VSWR**



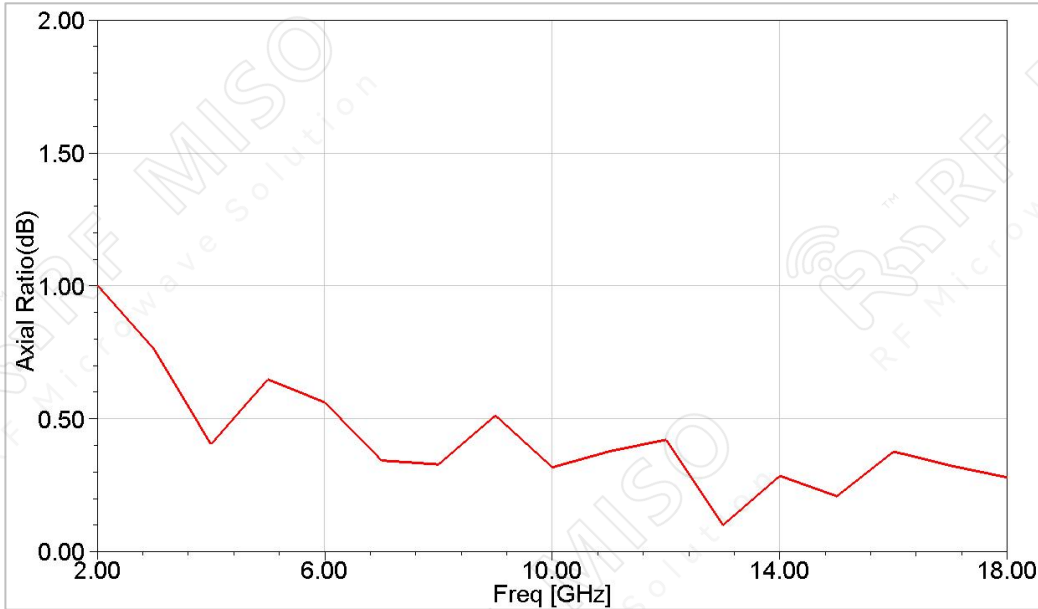
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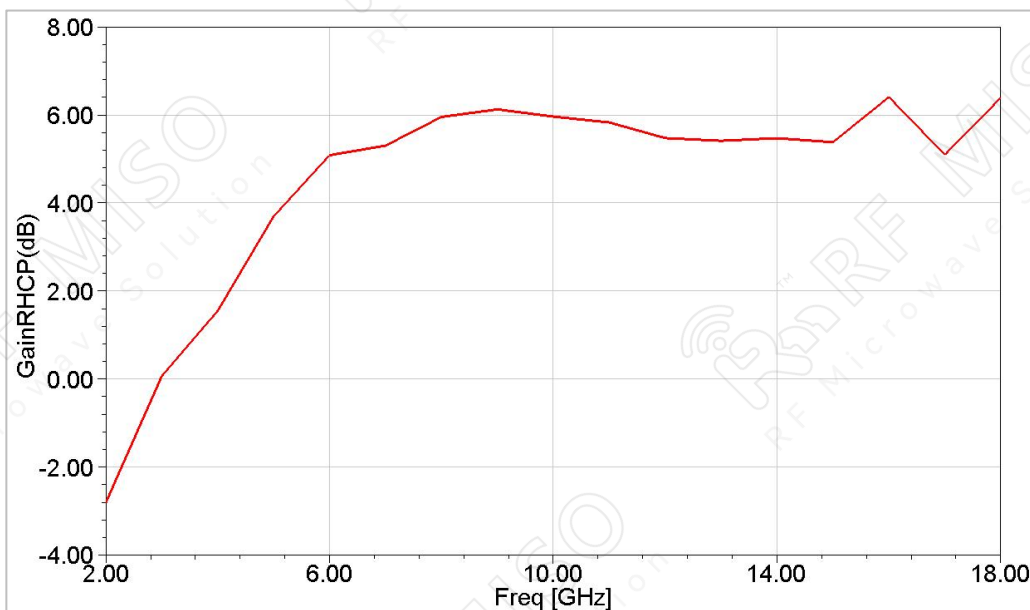
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**Axial Ratio**



**Gain RHCP**

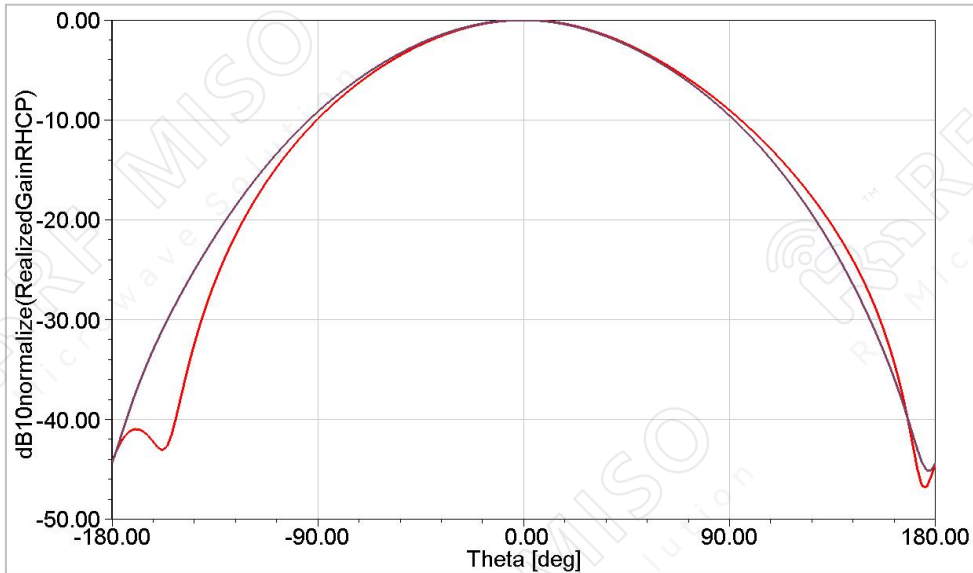


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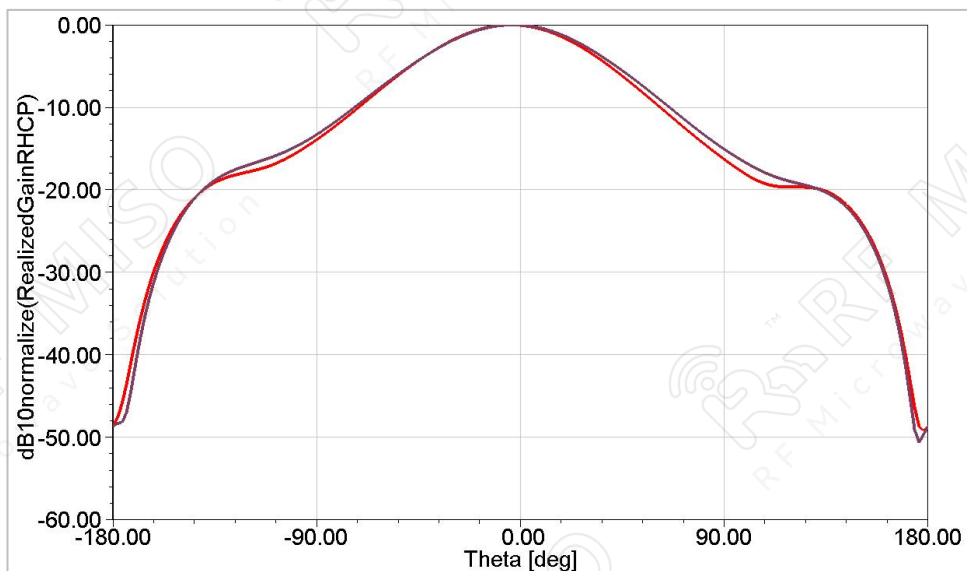


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**RM-PSA218-V2**



2 GHz



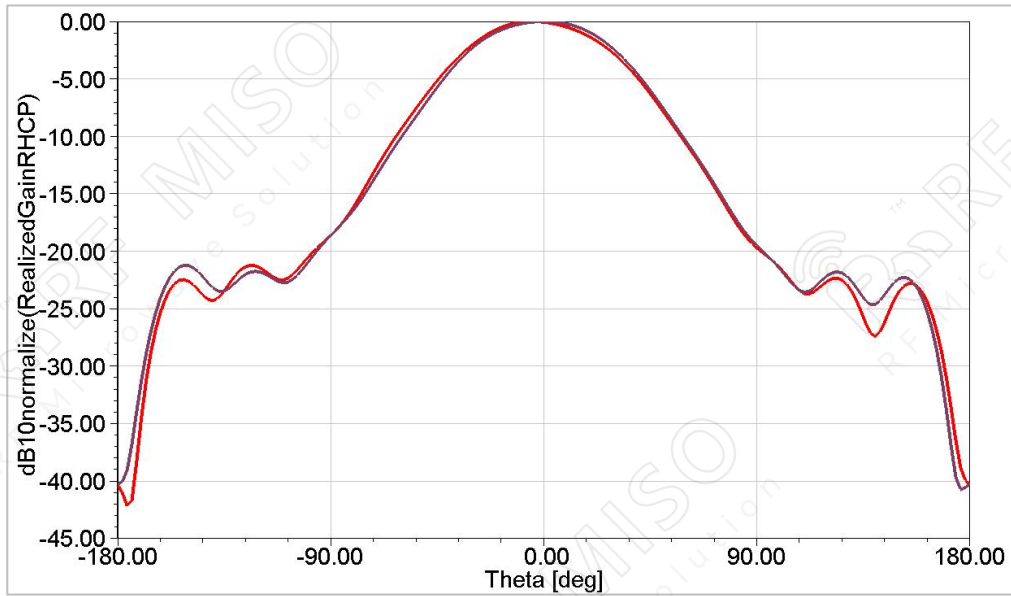
6 GHz

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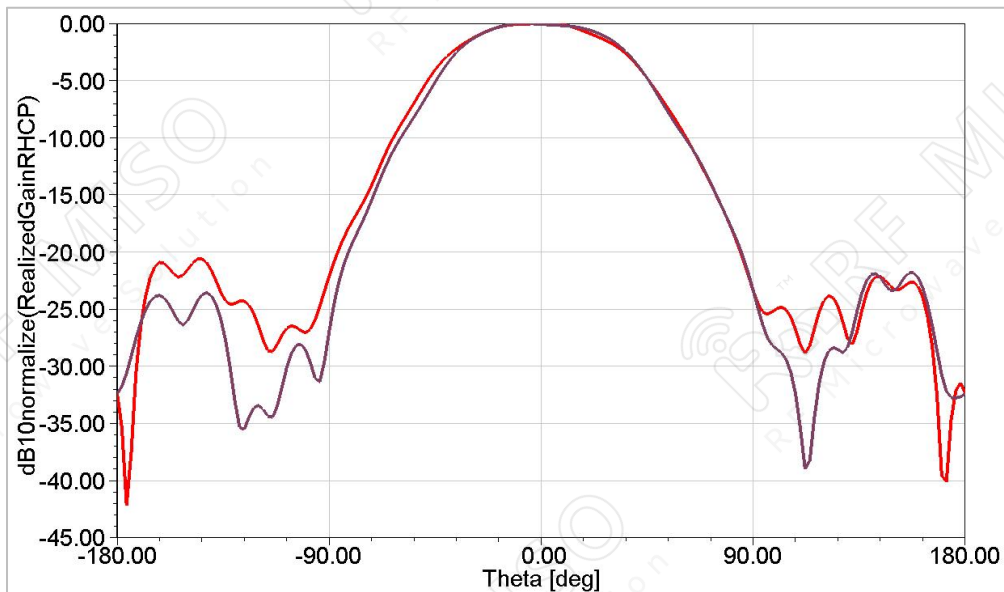


**Planar Spiral Antenna Data Sheet**

**RM-PSA218-V2**



10 GHz



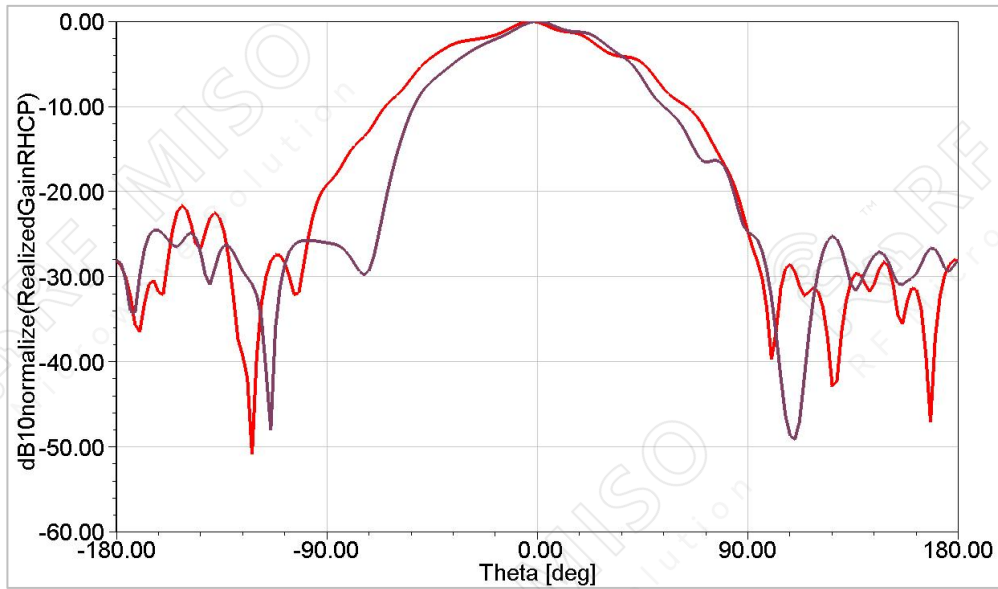
14 GHz

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18 GHz