



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

## Planar Spiral Antenna Data Sheet

## RM-PSA218-2R

### Features

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

### Descriptions

RF MISO's **Model RM-PSA218-2R** 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-KFD 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-PSA218-2R    |                           |       |
|-----------------|---------------------------|-------|
| 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            | Φ63*56.4(L*W*H)           | mm    |
| Antenna Cover   | Yes                       |       |
| Waterproof      | Yes                       |       |
| Weight          | 0.176                     | Kg    |

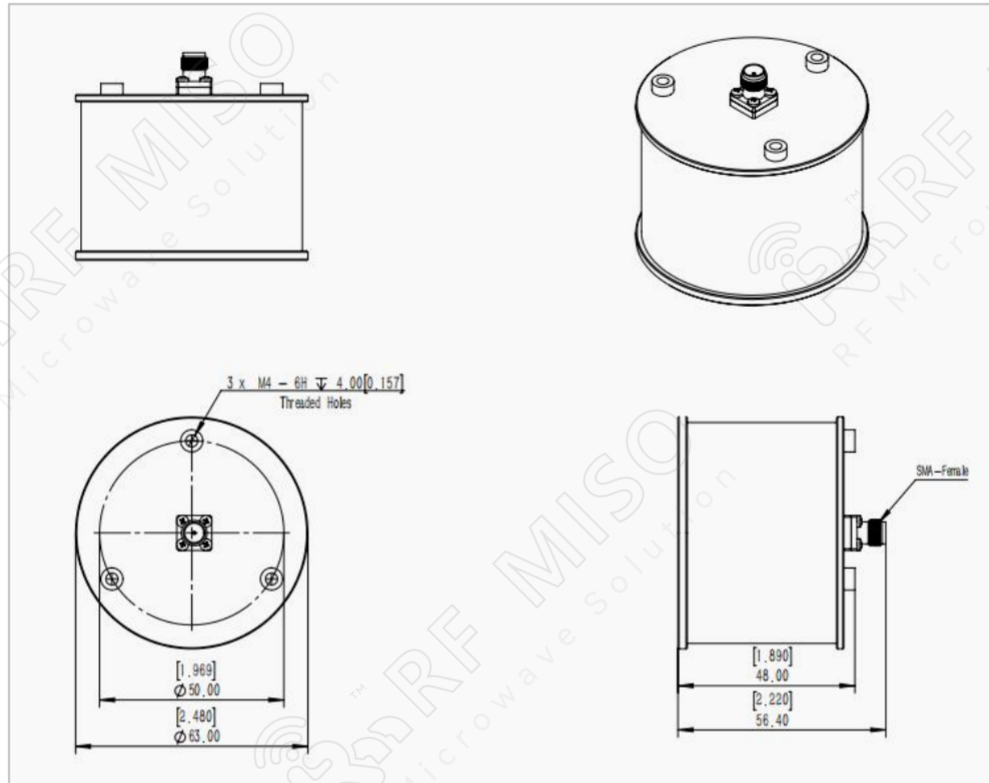
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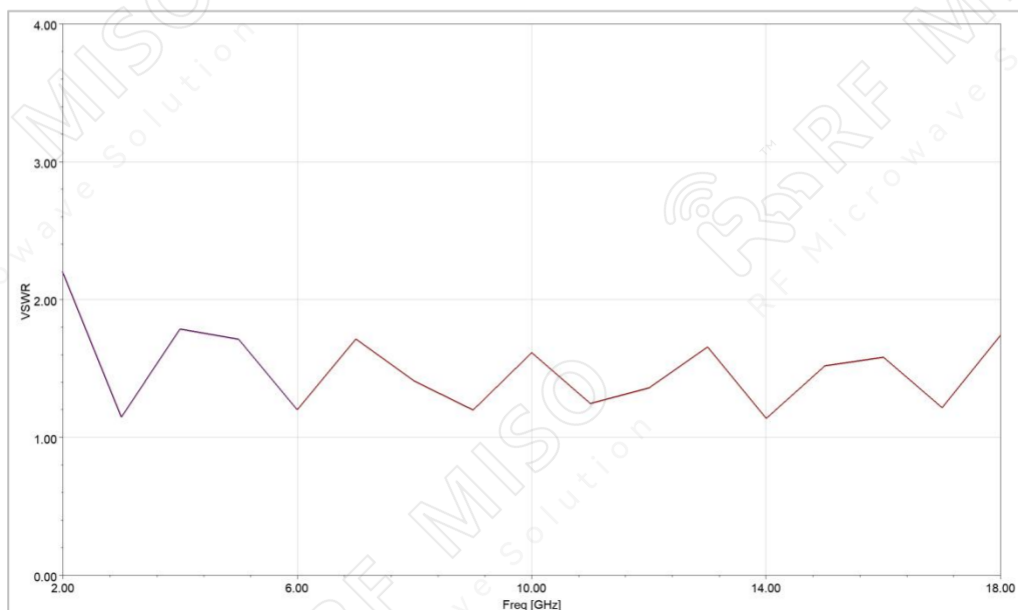
**RM-PSA218-2R**

### Outline Drawing



### Simulation Data

#### VSWR



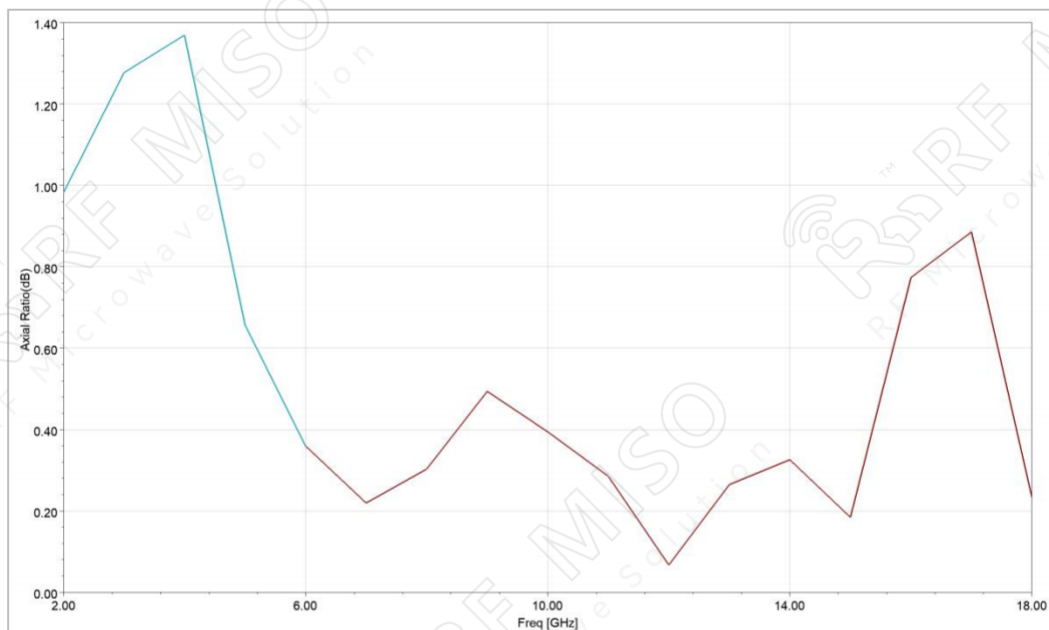


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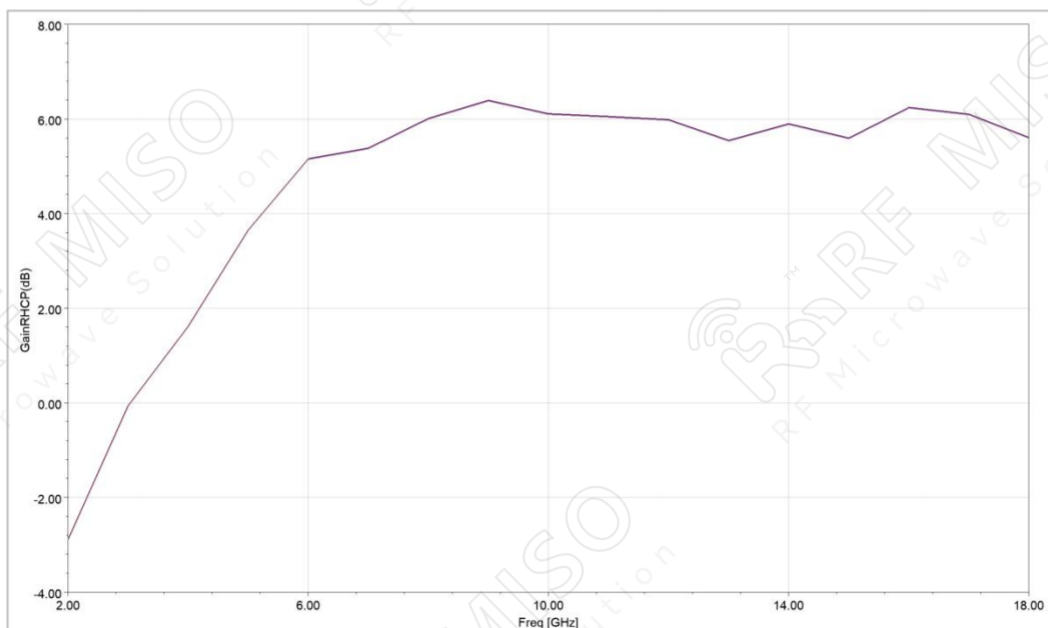
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### Axial Ratio



### Gain RHCP



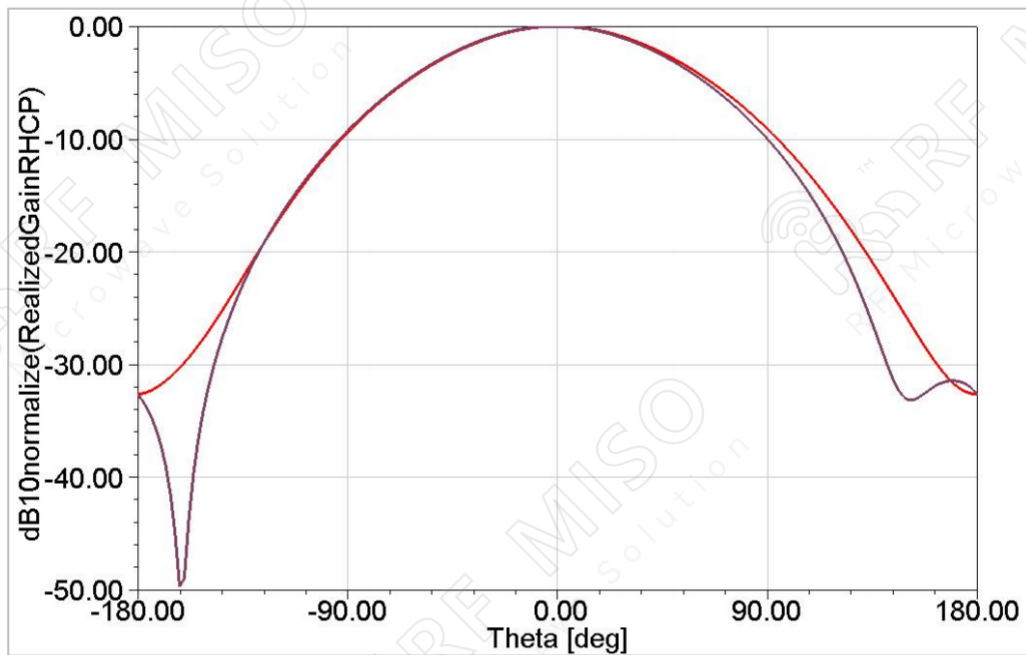
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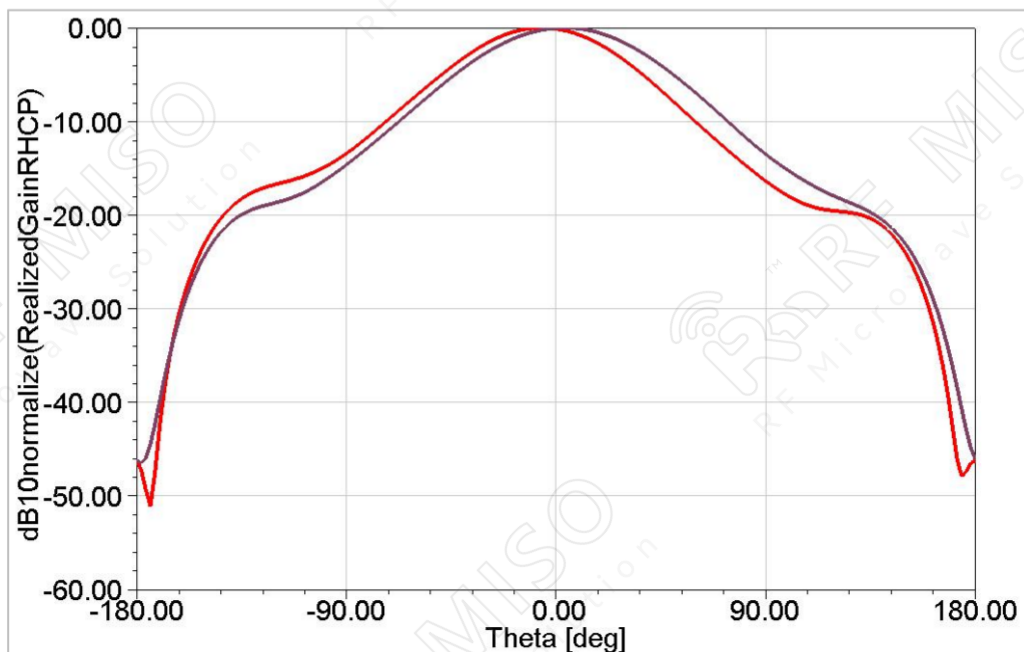
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**RM-PSA218-2R**

2GHz:



6GHz:



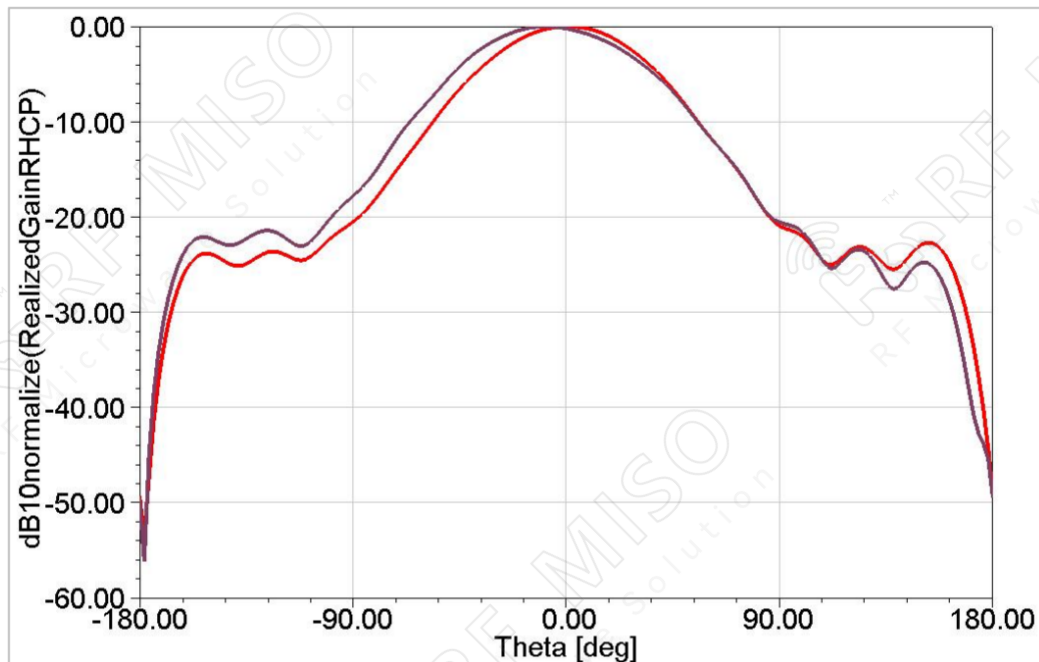


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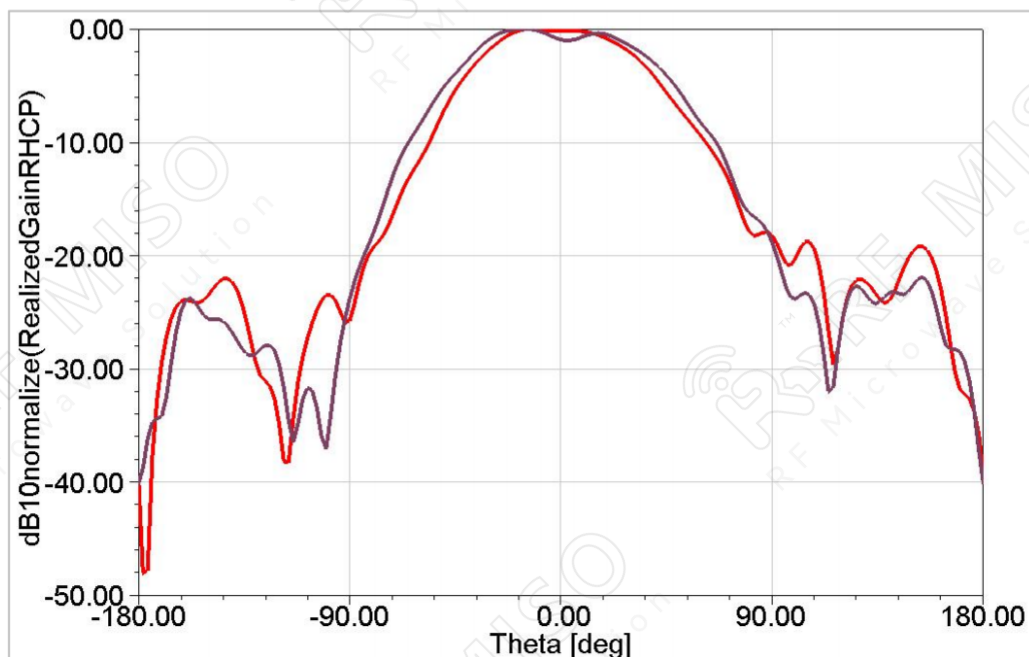
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**RM-PSA218-2R**

10GHz:



14GHz:





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18GHz:

