



*Broadband Dual Polarized Horn Antenna  
10dBi Typ. Gain, 2-18 GHz Frequency Range*

## Broadband Dual Polarized Horn Antenna Data Sheet

**RM-BDPHA218-100**

### Descriptions

RF MISO's **Model RM-BDPHA218-100** is a dual polarized horn antenna that operates from 2 to 18GHz, The antenna offers 10 dBi typical gain. The antenna VSWR is typical 1.5:1. The antenna is SMA-Female connector. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

### Specifications

Parameters	Specification	Unit
Frequency Range	2-18	GHz
Gain	10 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Dual Polarization	
Cross Pol. Isolation	40 dB Typ.	
Port Isolation	38 dB Typ.	
Connector	SMA-Female	
Material	Al	
Finishing	Paint	
Size(L*W*H)	104.2*90*90 (±5)	mm
Weight	0.148	Kg
Power Handling, CW	50	W
Power Handling, Peak	100	W

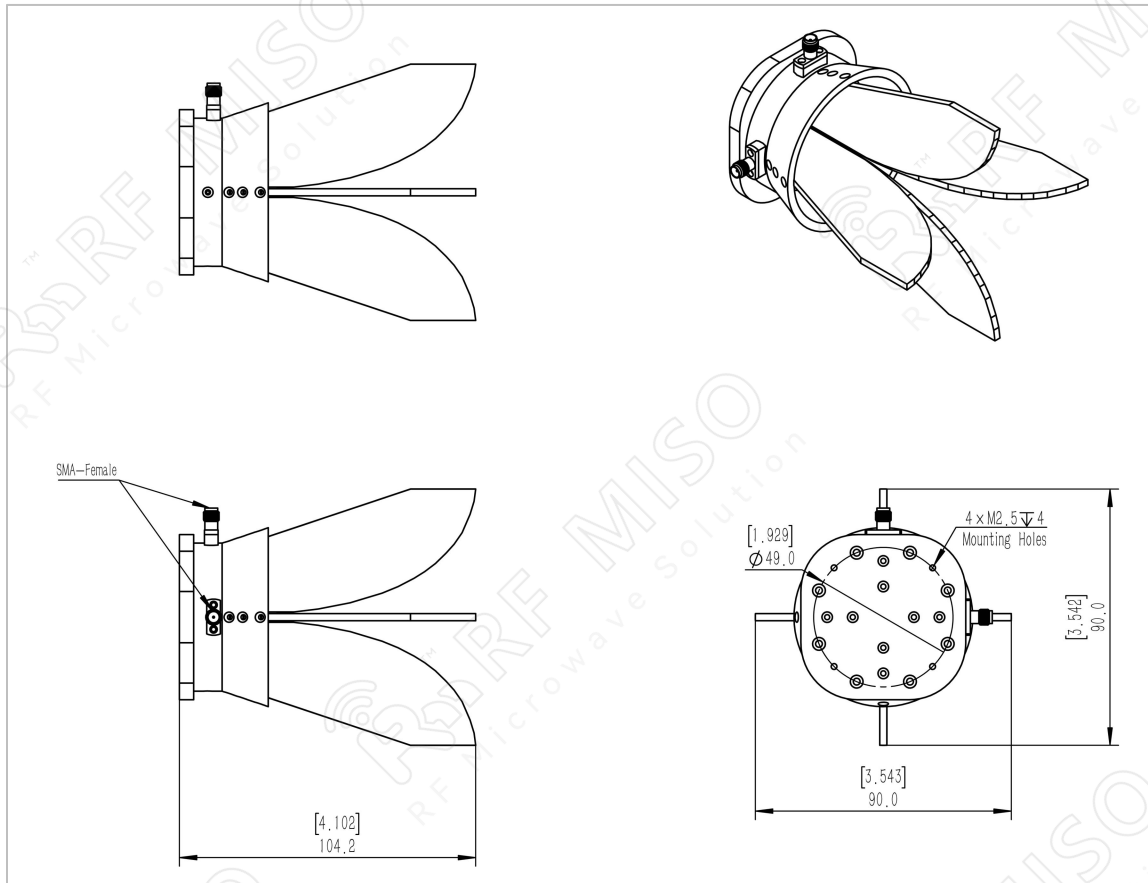
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**Mechanical Drawing :**





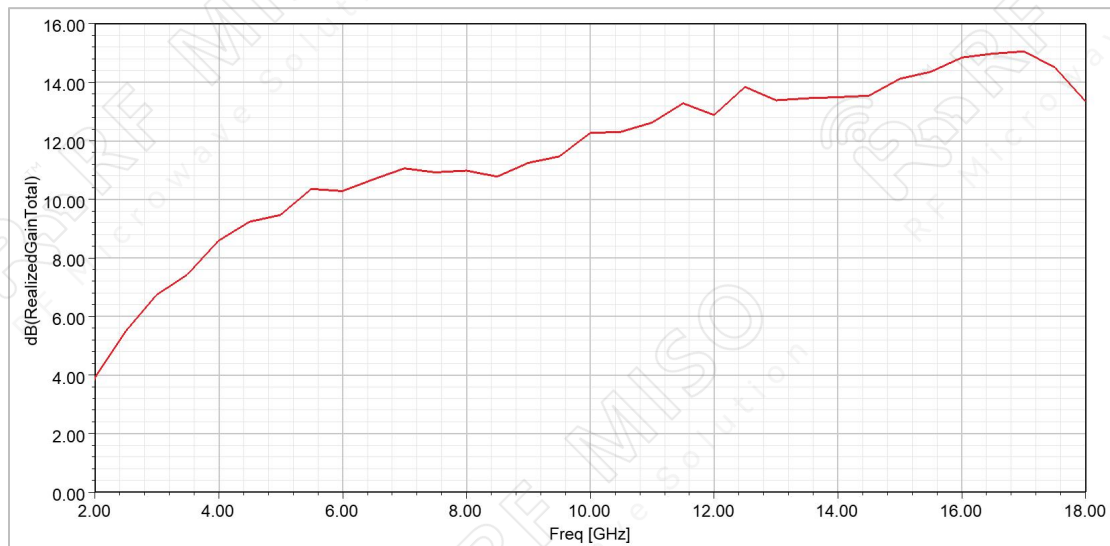
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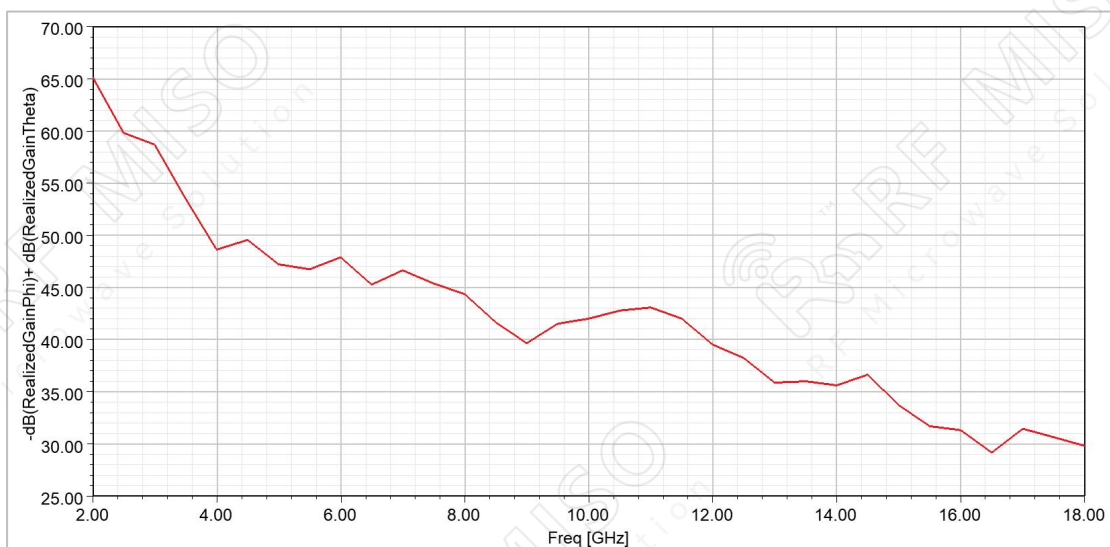
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**Simulation results:**

**Gain(dBi)**



**Cross polarization(dB)**



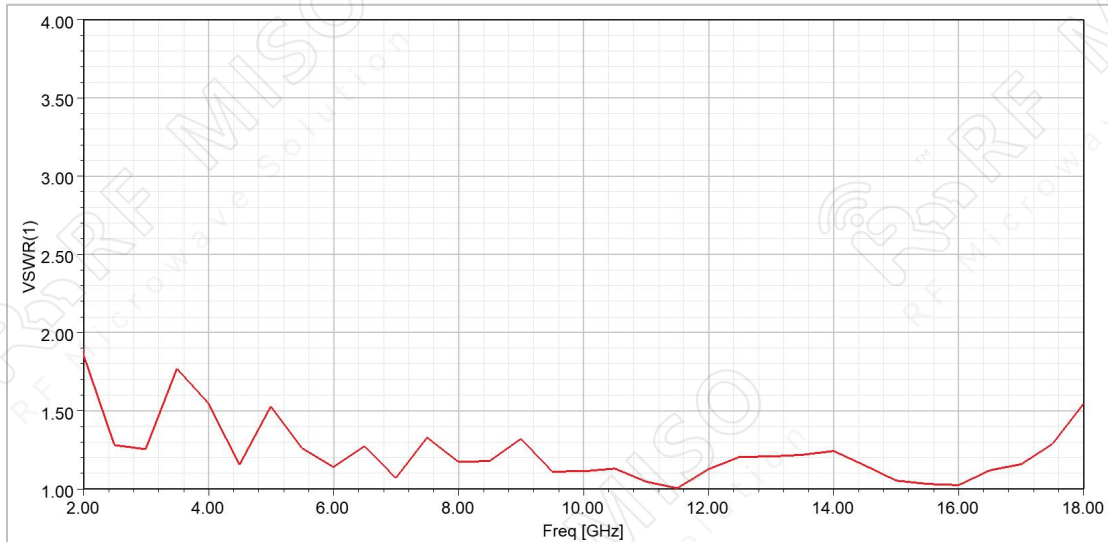


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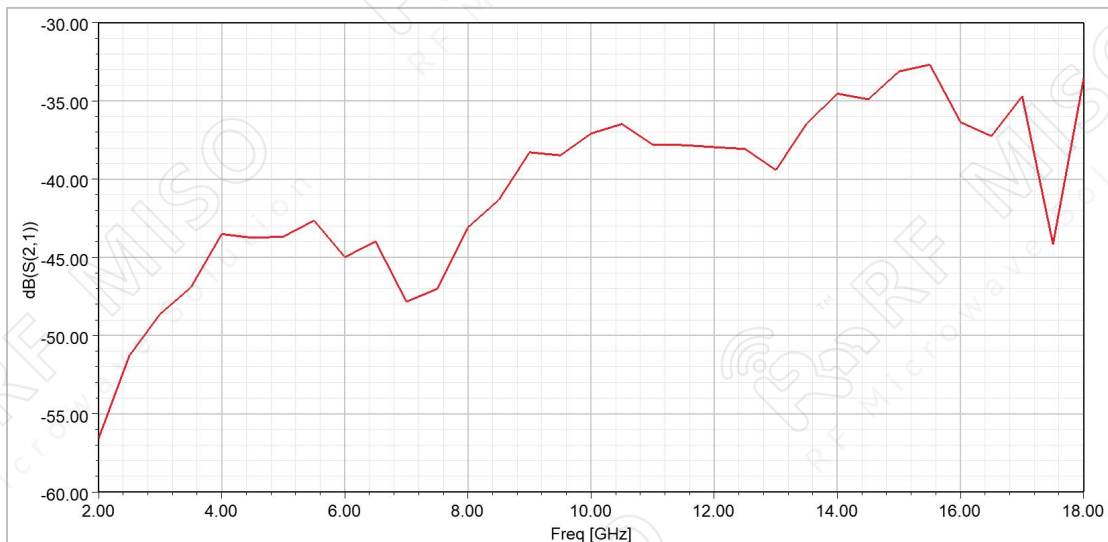
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**VSWR**



**Port polarization(dB)**



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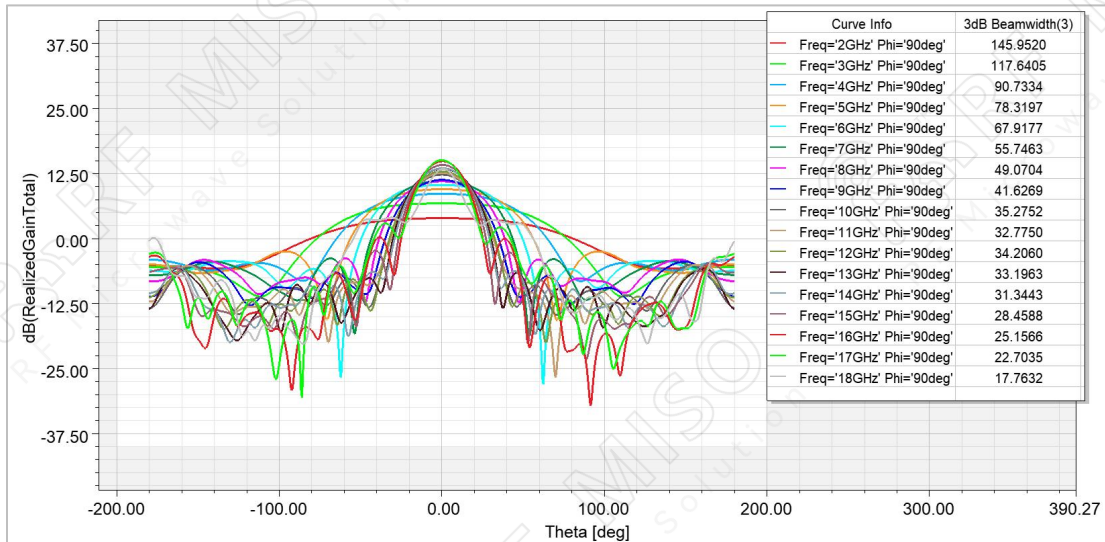


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**Pattern**

**E-plane**



**H-plane**

