

Circular Polarization Horn Antenna
12 dBi Typ. Gain, 4-8 GHz Frequency Range



Circular Polarized Horn Antenna Data Sheet

RM-CPHA48-12

Features

- Waveguide Input
- Low VSWR
- Good Orientation
- RHCP or LHCP

Descriptions

RF MISO's **Model RM-CPHA48-12** is a circular polarized horn antenna that operates from 4 to 8 GHz, The antenna offers 12dBi typical gain. The antenna VSWR is typical 1.3:1. The antenna RF ports are waveguide and a coaxial converter can be added, the interface is N-K. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

RM-CPHA48-12		
Parameters	Typical	Units
Frequency Range	4-8	GHz
Gain	12 Typ.	dBi
VSWR	1.3 Typ.	
Polarization	RHCP or LHCP	
Axial Ratio	1.5 Typ.	dB
Coaxial Interface	SMA-Female	
Material	Al	
Finishing	Paint Black	
Size	465.7*100*127.73(L*W*H)	mm
Weight	3.213	Kg

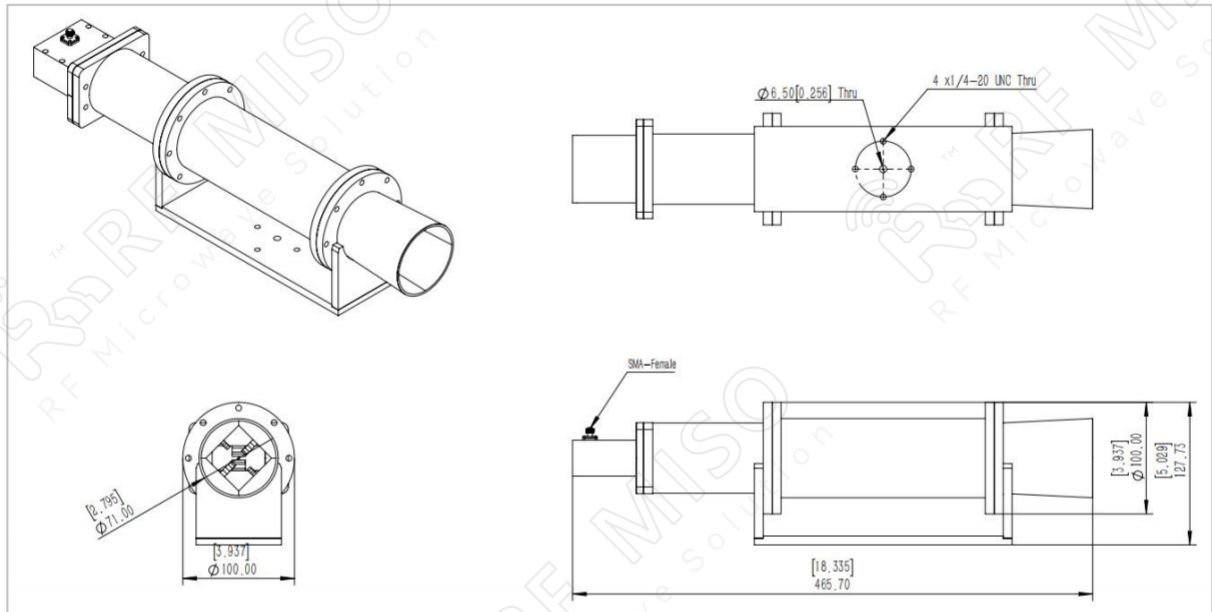
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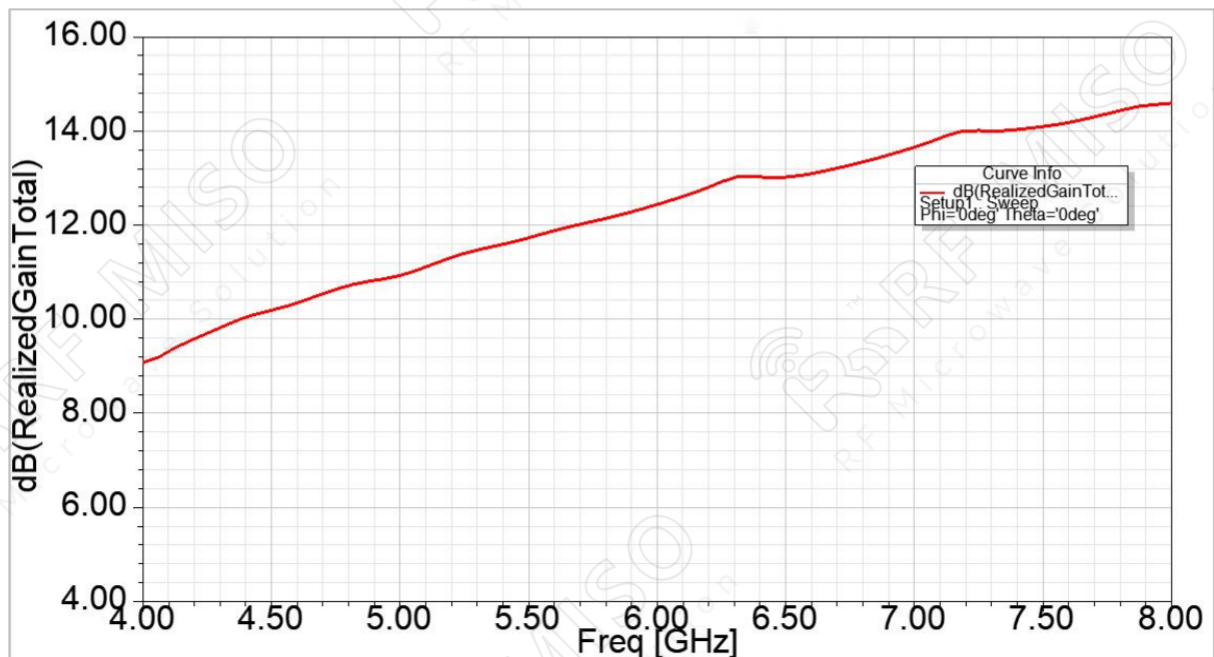
RM-CPHA48-12

Outline Drawing



Simulation Data

Gain



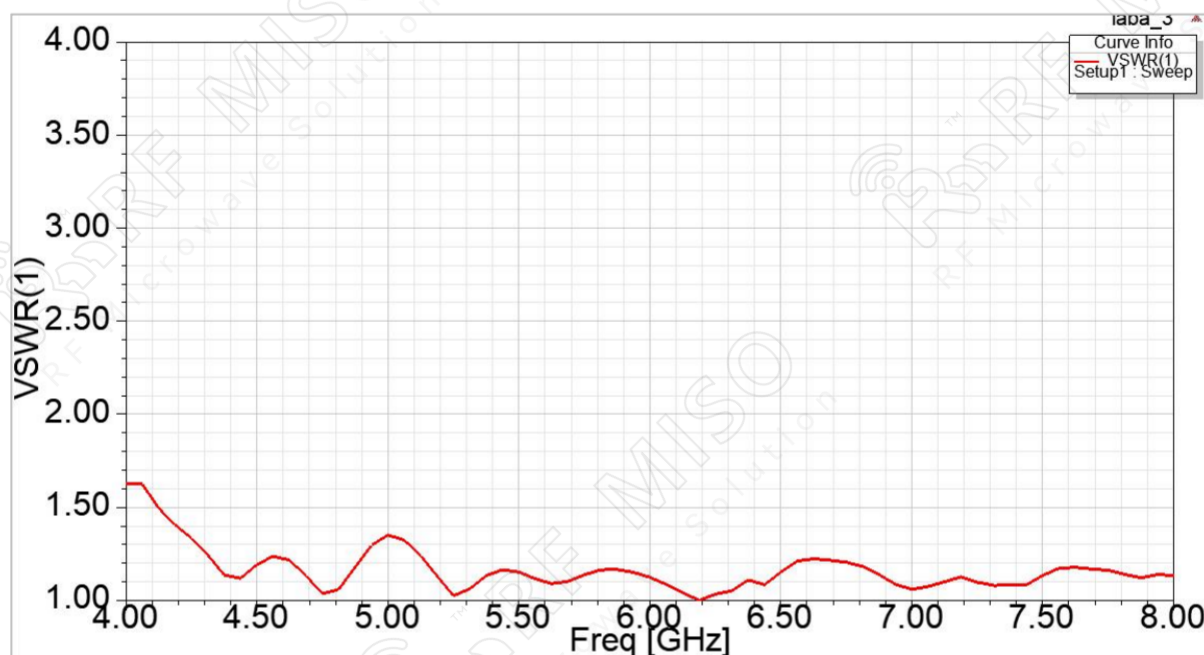
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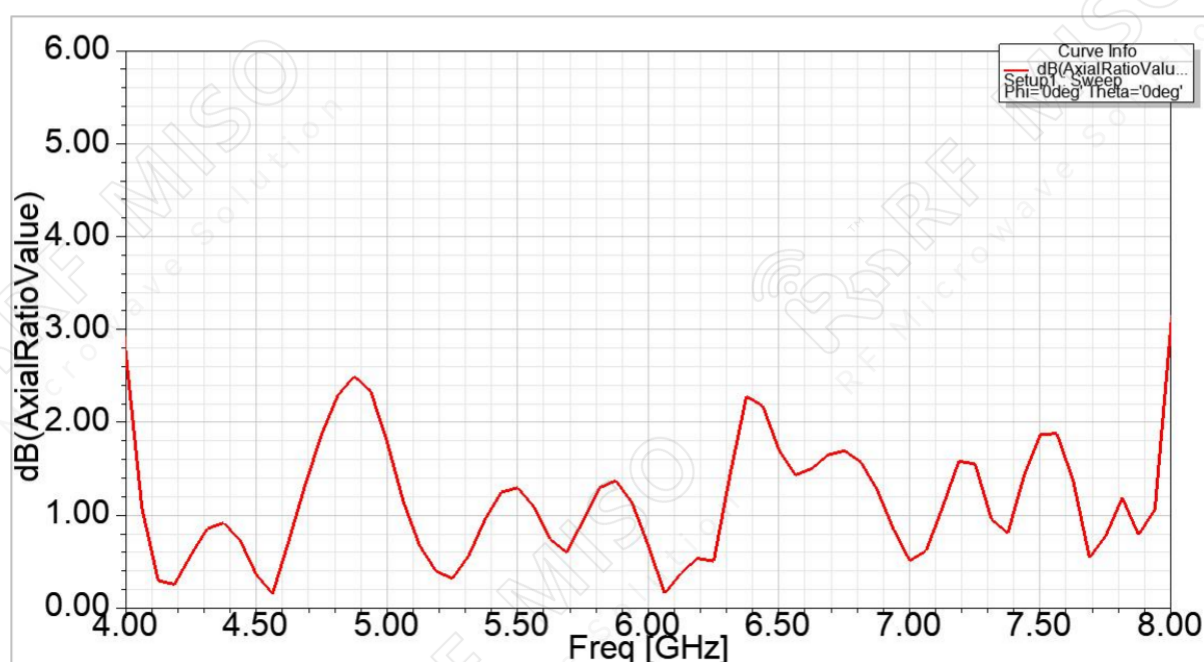
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RM-CPHA48-12

VSWR



Axial Ratio



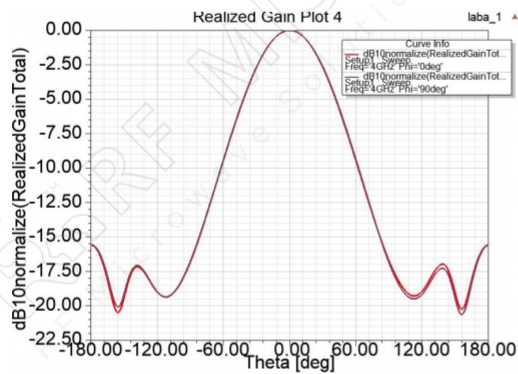
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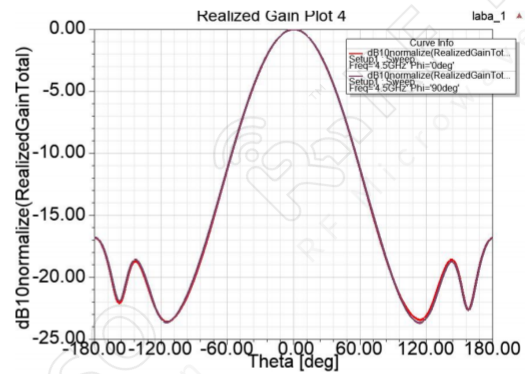
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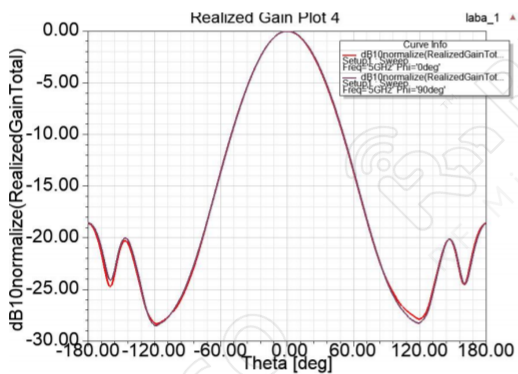
Gain Patterns



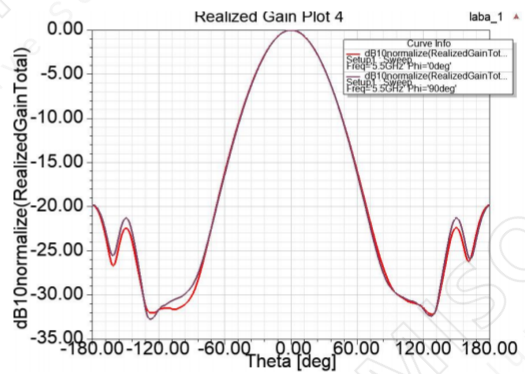
4GHz



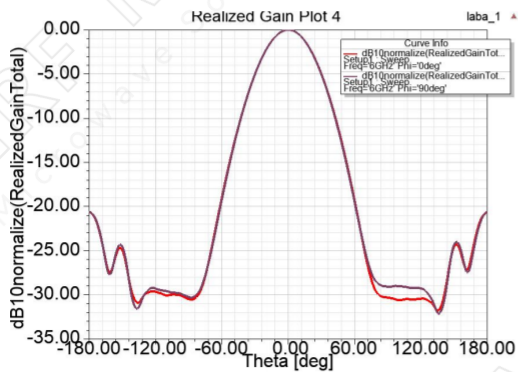
4.5GHz



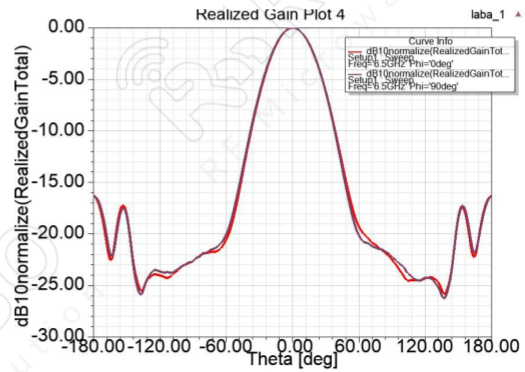
5GHz



5.5GHz



6GHz



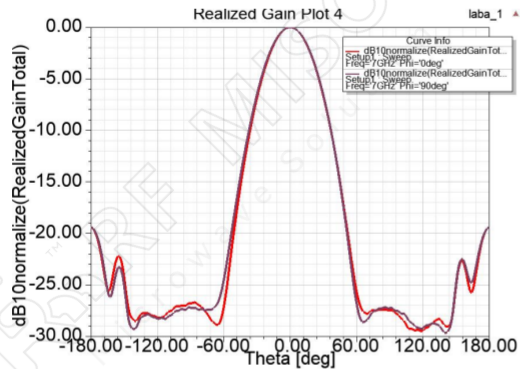
6.5GHz

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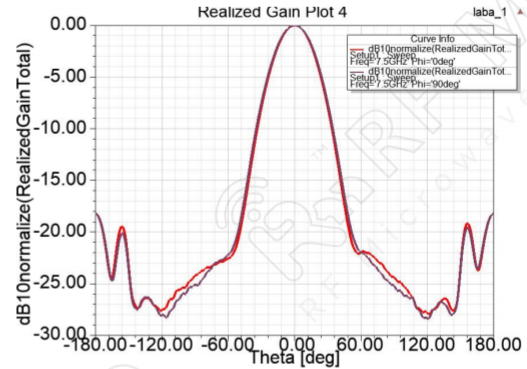


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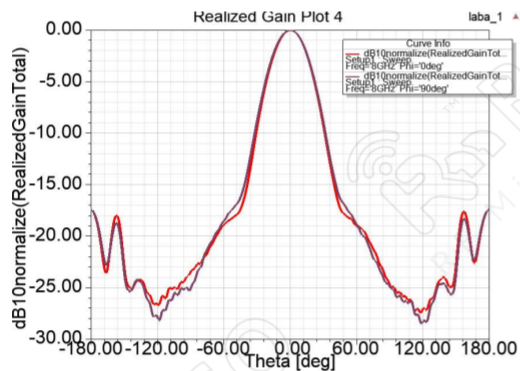
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7GHz



7.5GHz



8GHz