

*Dual Circular Polarization Horn Antenna
10 dBi Typ. Gain, 1-2 GHz Frequency Range*

Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA12-10

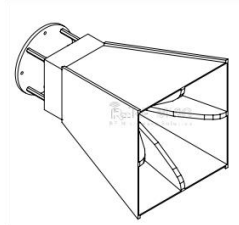
Descriptions

RF MISO's **Model RM-DCPHA12-10** is a dual circular polarized horn antenna that operates from 1 to 2 GHz, The antenna offers 10dBi typical gain. The antenna VSWR is typical 1.3:1. the interface is SMA-F. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifcaions

RM-DCPHA12-10		
Parameters	Typical	Units
Frequency Range	1-2	GHz
Gain	10 Typ.	dBi
VSWR	1.3 Typ.	
Polarization	Dual Circular	
Cross Polarization	40 Typ.	dB
F/B	50 Typ.	dB
Coaxial Interface	SMA-Female	
Material	Al	
Finishing	Paint Black	
Size(L*W*H)	334.0*214.1*224.4(±5)	mm
Weight	3.163	Kg

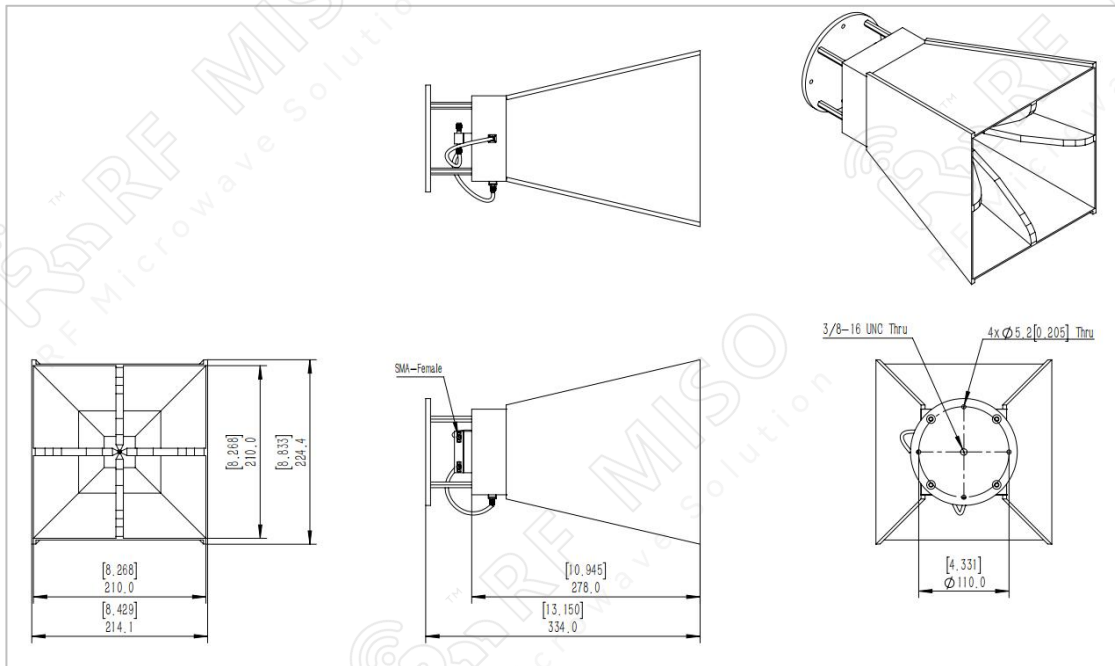
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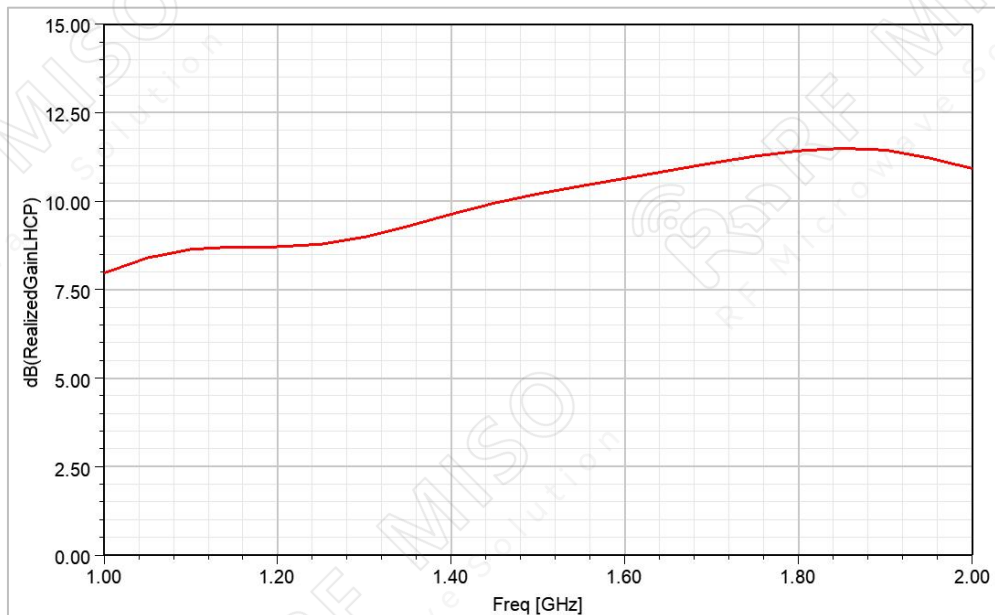
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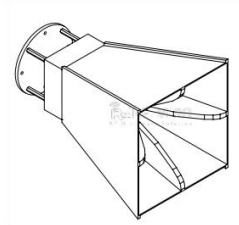
Outline Drawing



Simulation Data

Gain



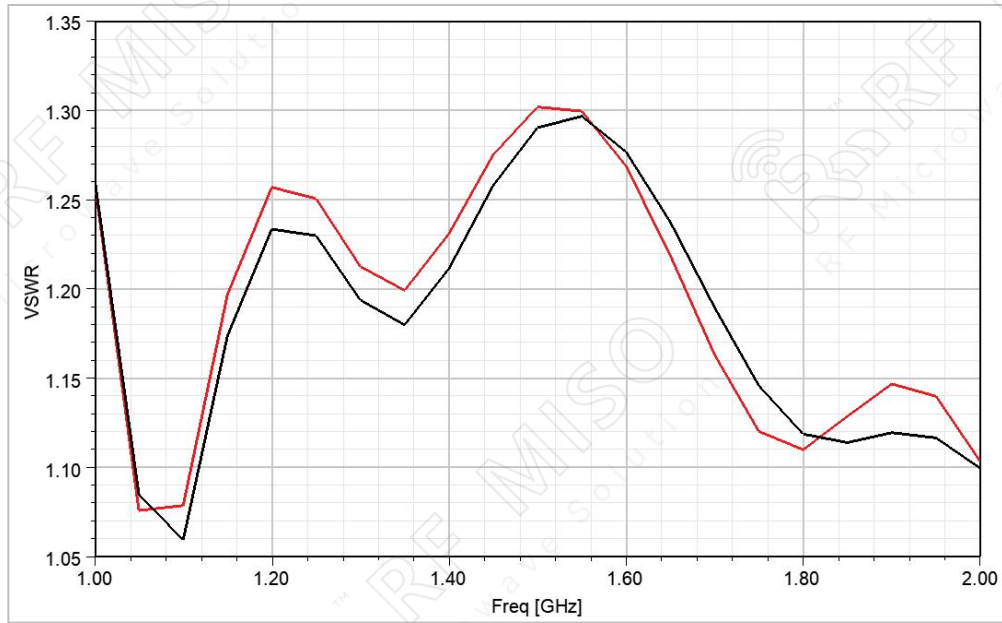


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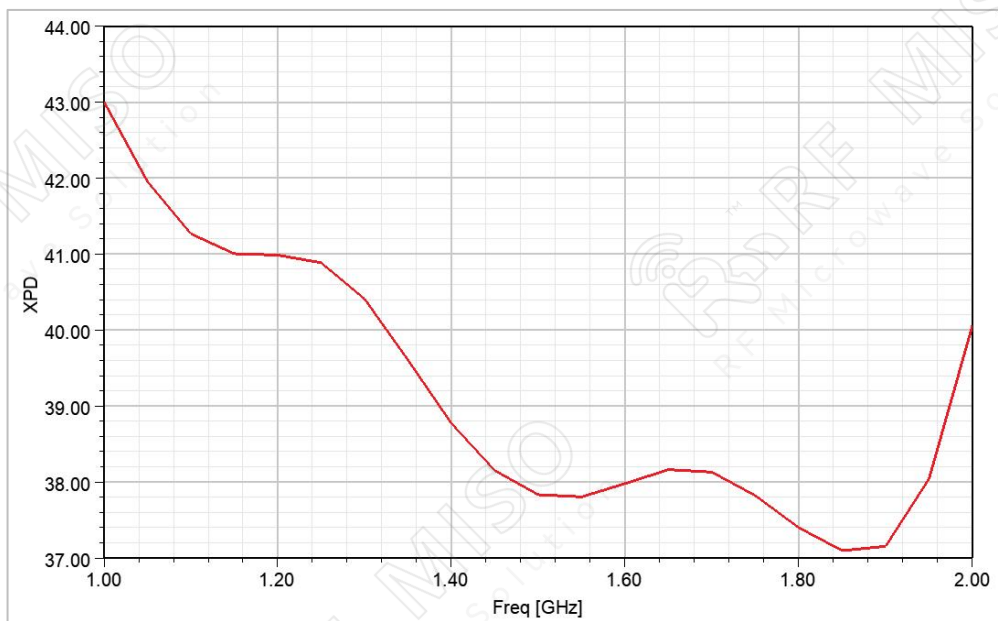
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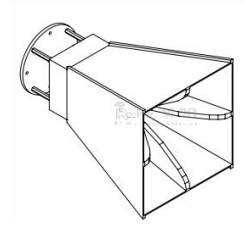
VSWR



Cross Polarization



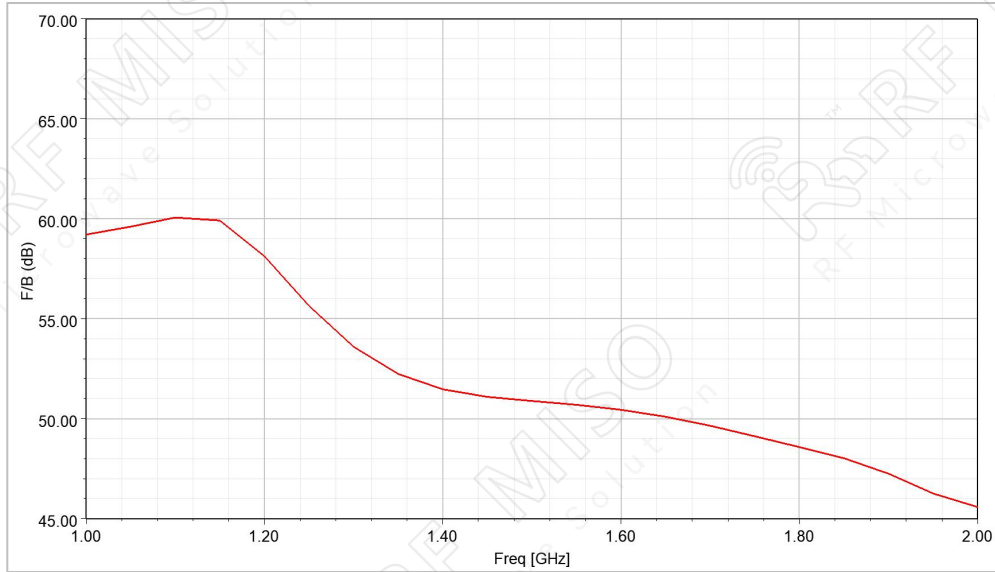
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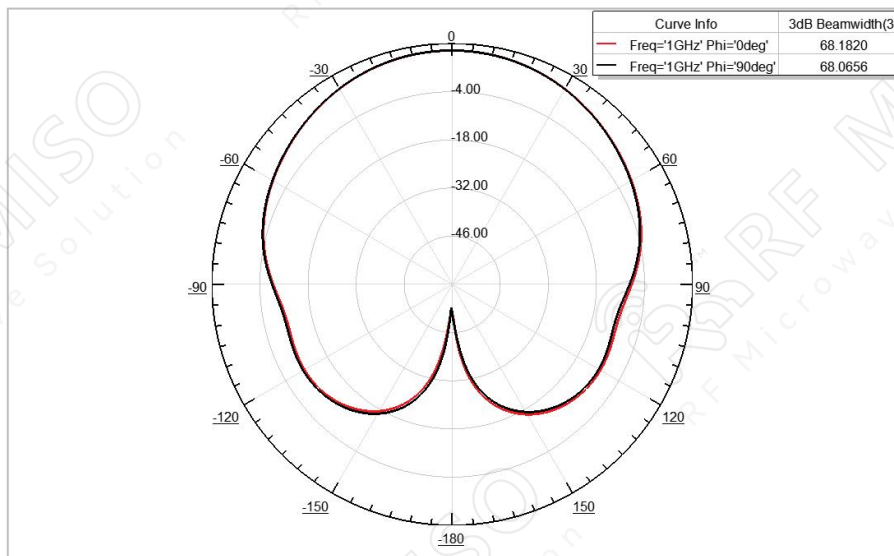
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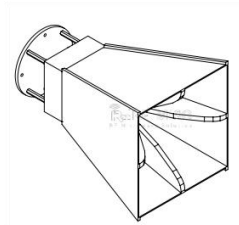
F/B



Gain Patterns



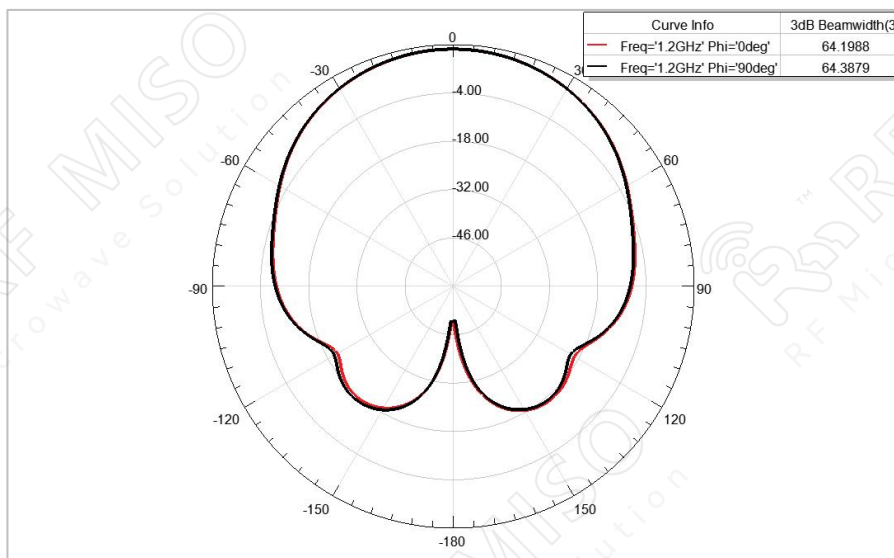
1 GHz



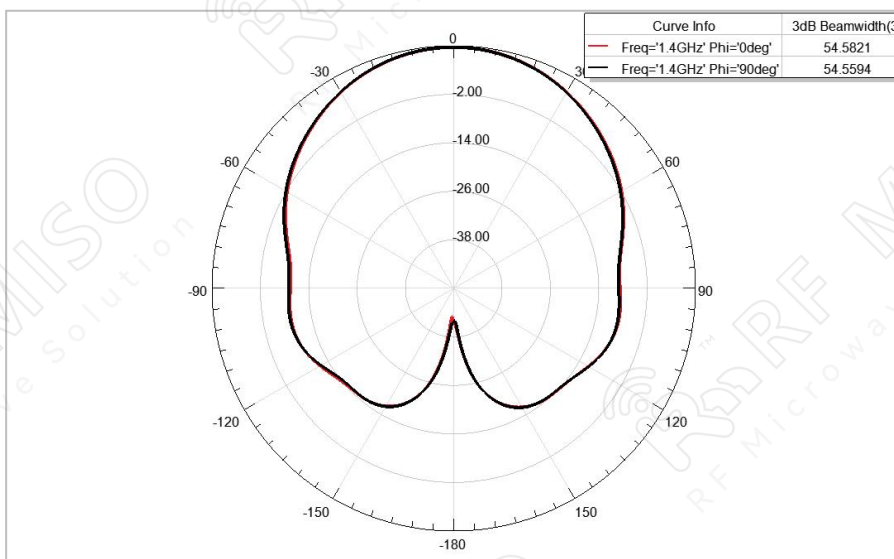
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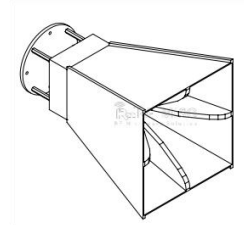
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1.2 GHz



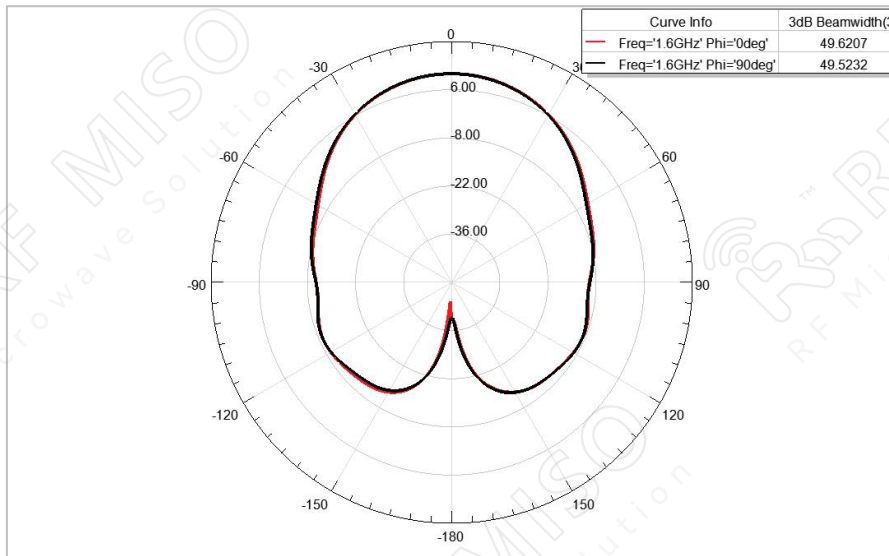
1.4 GHz



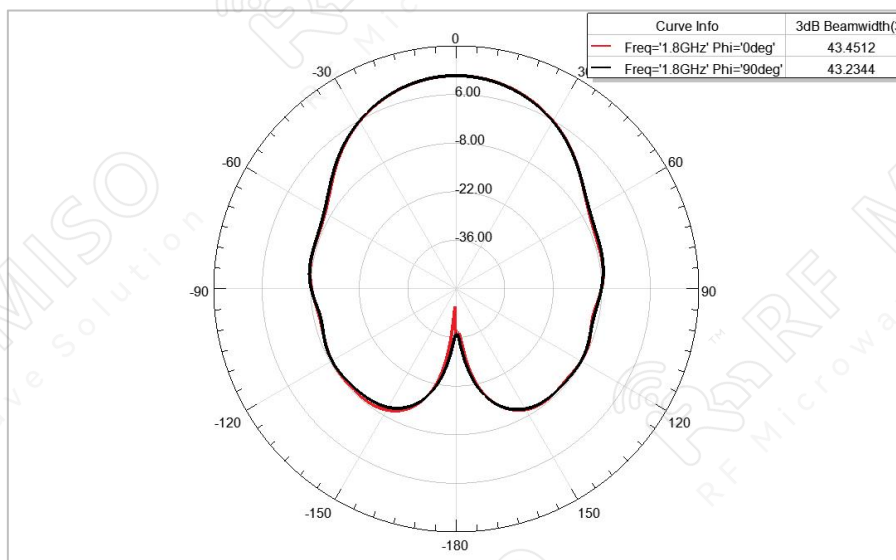
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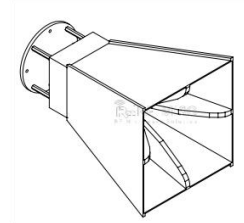


1.6 GHz



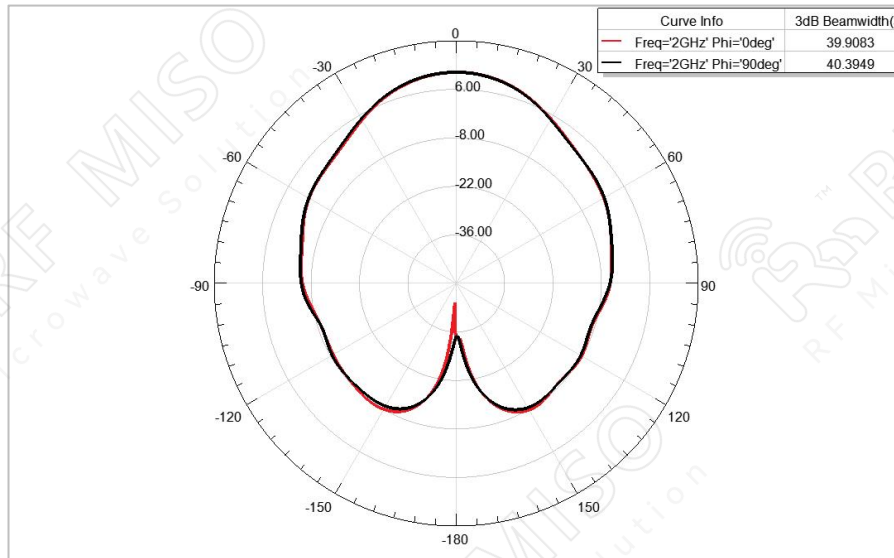
1.8 GHz

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2 GHz