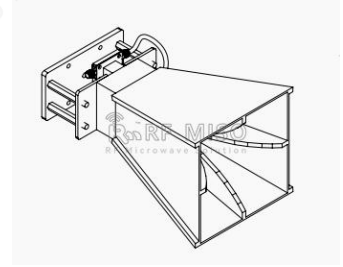


*Dual Circular Polarization Horn Antenna
15 dBi Typ. Gain, 2-18 GHz Frequency Range*



Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA218-15

Features

- Small Size
- Low VSWR
- Good Orientation
- Dual circular

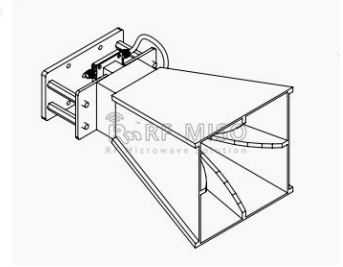
Descriptions

RF MISO's **Model RM-DCPHA218-15** is a dual circular polarized horn antenna that operates from 2 to 18 GHz, The antenna offers 15 dBi typical gain. The antenna VSWR is typical 1.5:1. The antenna RF ports are waveguide and a coaxial converter can be added, the interface is SMA-Female. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

RM-DCPHA218-15		
Parameters	Typical	Units
Frequency Range	2-18	GHz
Gain	15 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Dual Circular	
Cross polarization	30 Typ.	dB
F/B	20 Typ.	dB
Coaxial Interface	SMA-Female	
Material	Al	
Finishing	Paint	
Size (L*W*H)	216*119.1*129.3(±5)	mm
Weight	0.829	Kg

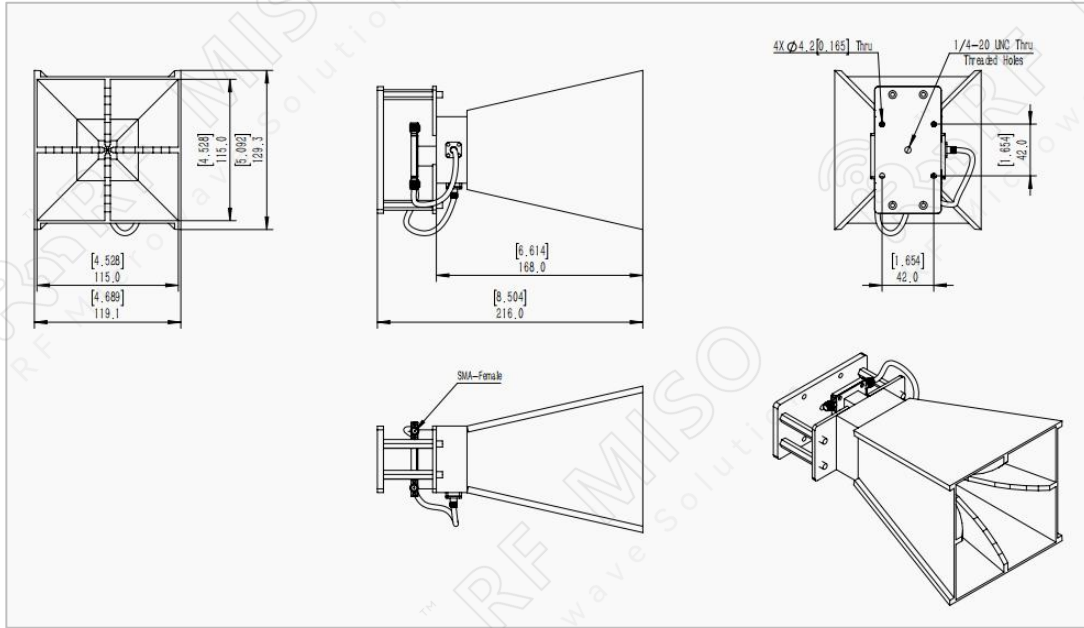
Dual Circular Polarization Horn Antenna
15 dBi Typ. Gain, 2-18 GHz Frequency Range



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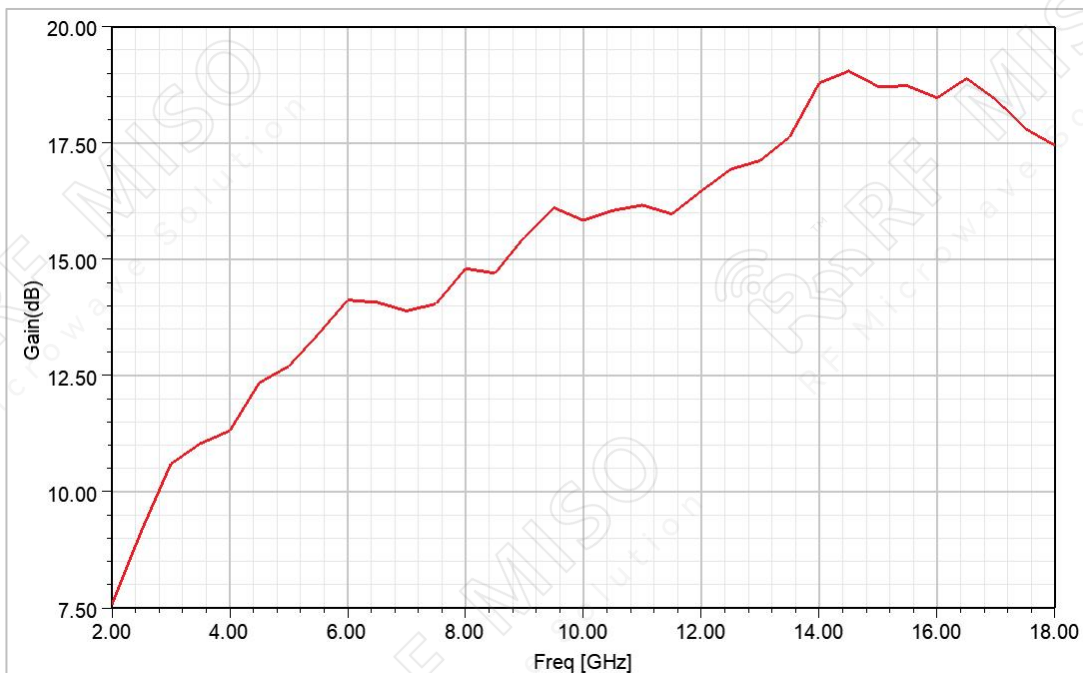
RM-DCPHA218-15

Outline Drawing

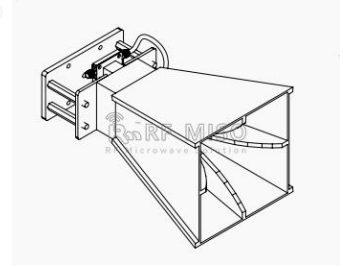


Simulation Data

Gain



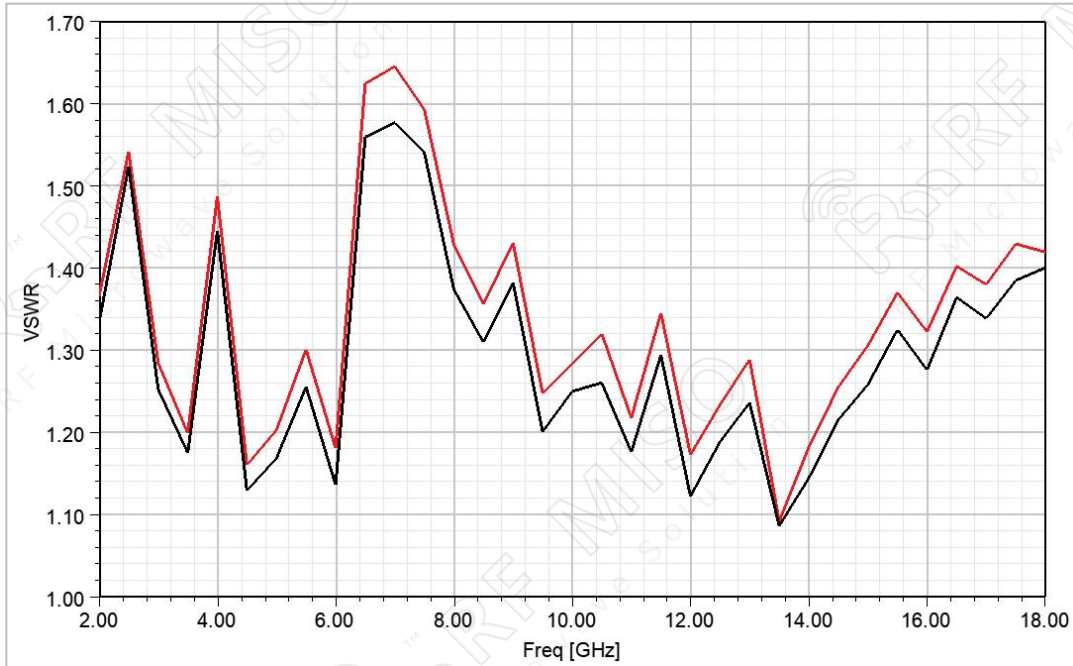
Dual Circular Polarization Horn Antenna
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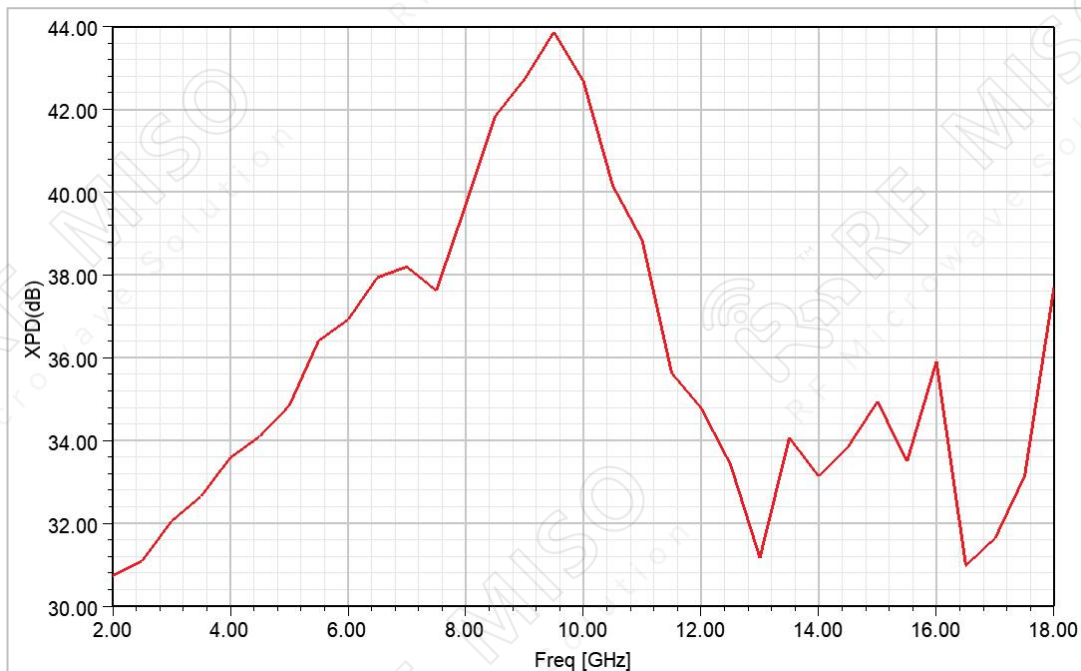
Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA218-15

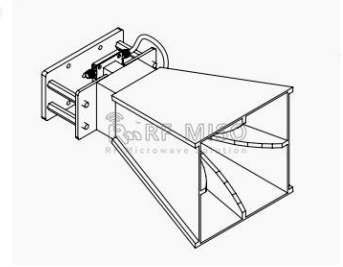
VSWR



Cross Polarization

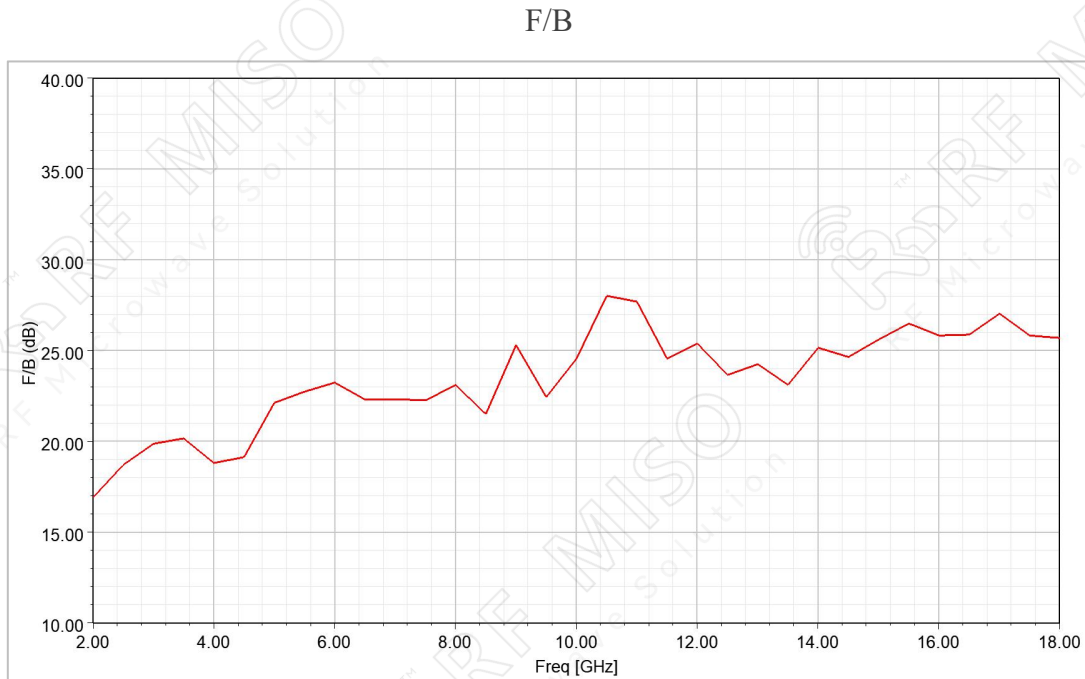


Dual Circular Polarization Horn Antenna
15 dBi Typ. Gain, 2-18 GHz Frequency Range

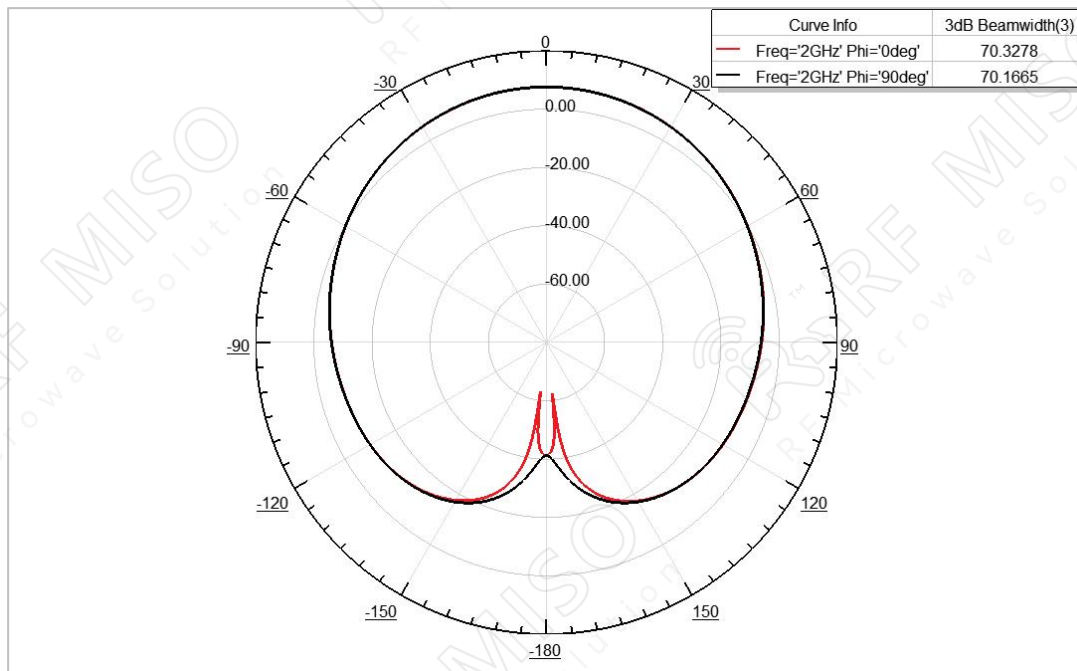


Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA218-15

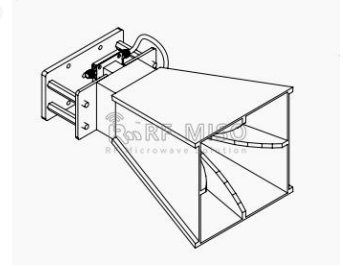


Gain Patterns



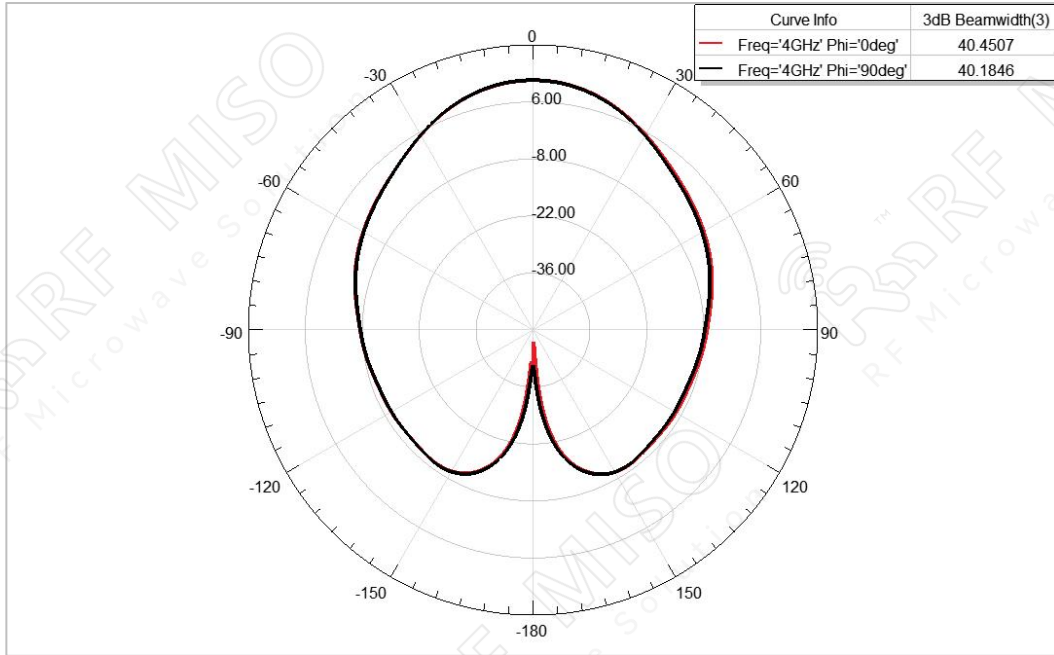
2GHz

Dual Circular Polarization Horn Antenna
15 dBi Typ. Gain, 2-18 GHz Frequency Range

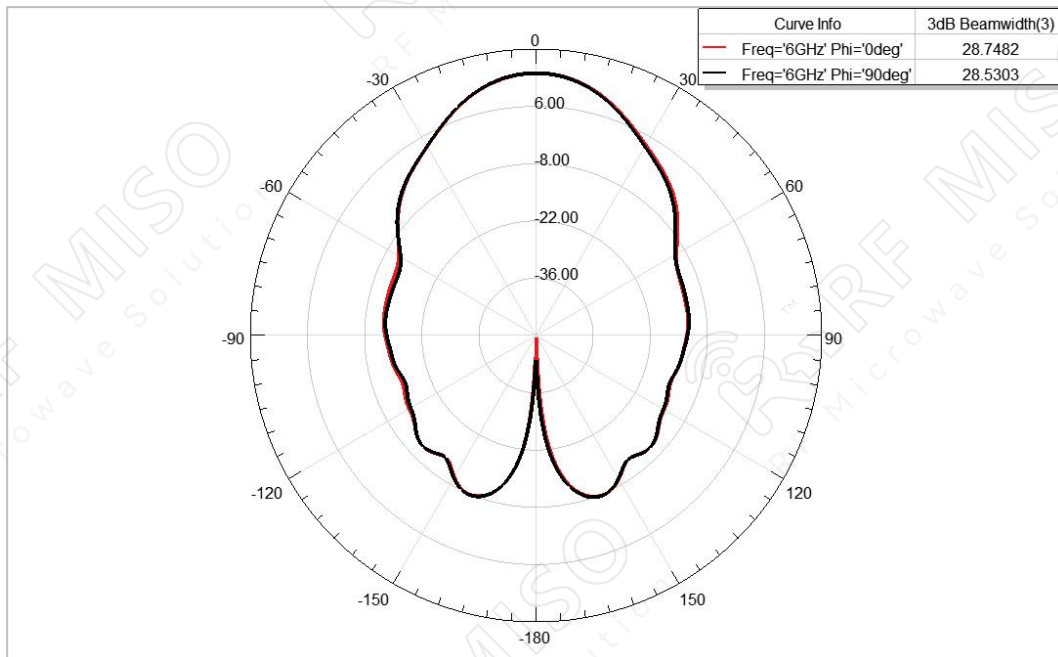


Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA218-15

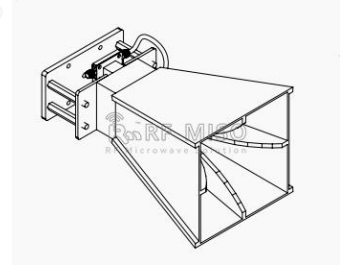


4GHz



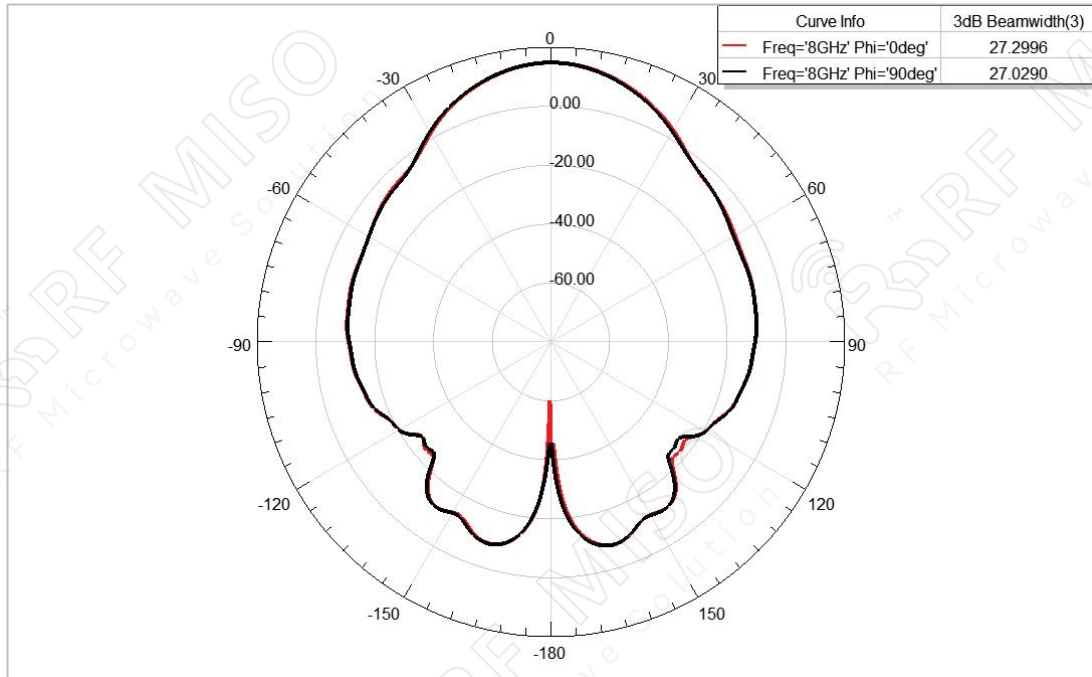
6GHz

Dual Circular Polarization Horn Antenna
15 dBi Typ. Gain, 2-18 GHz Frequency Range

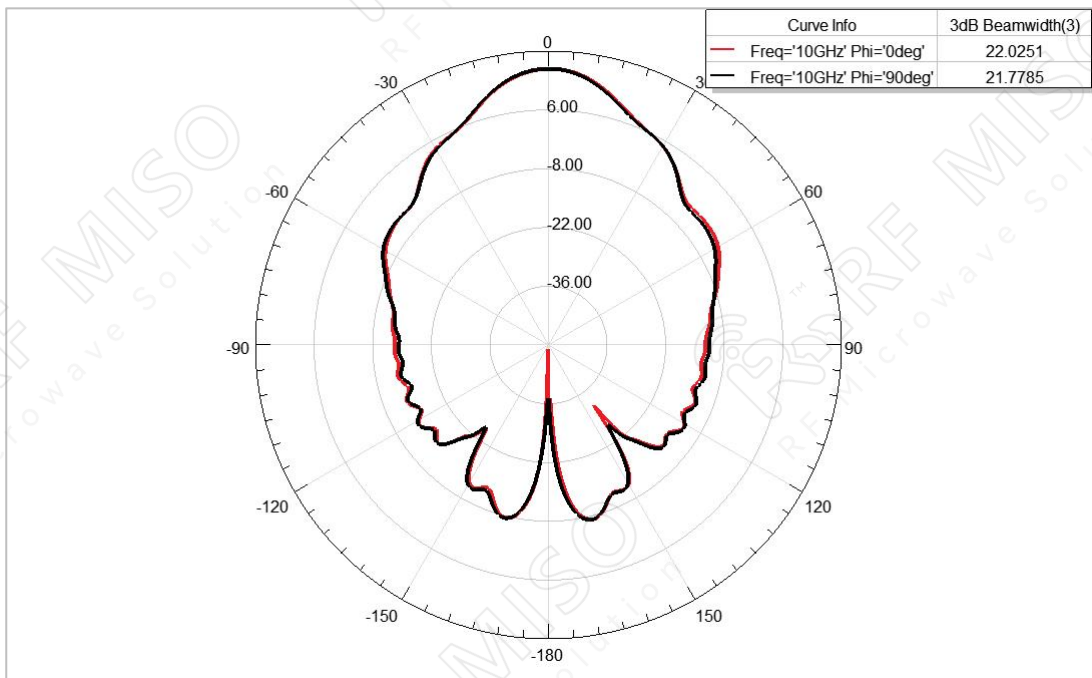


Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA218-15

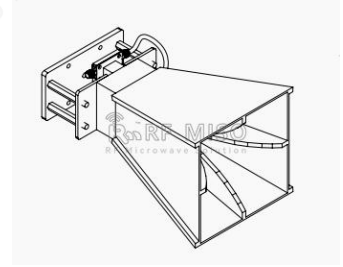


8GHz



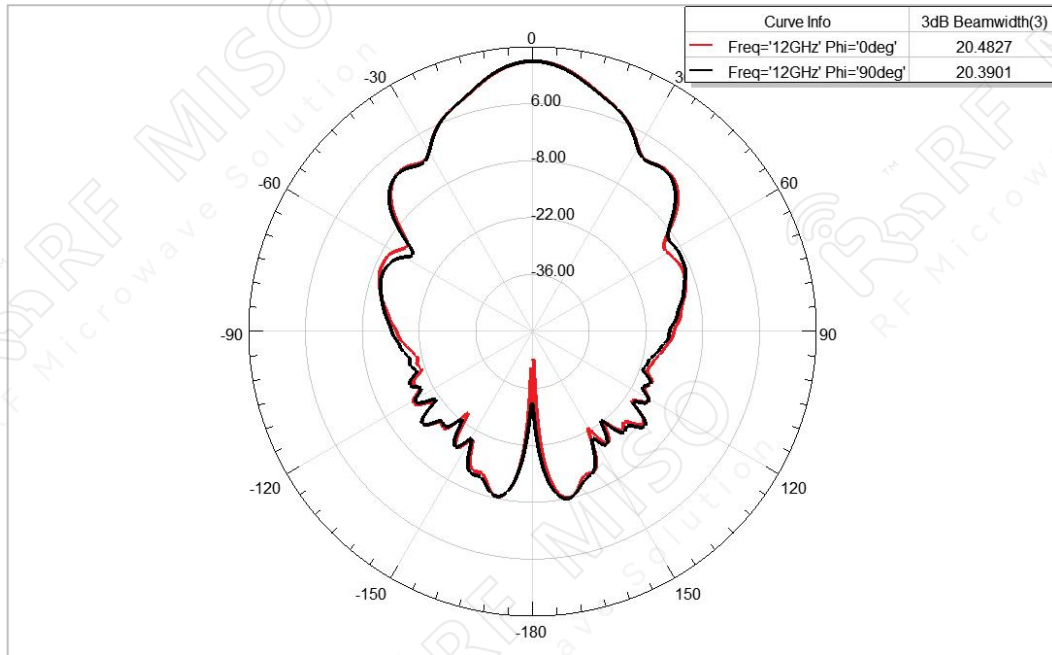
10GHz

Dual Circular Polarization Horn Antenna
15 dBi Typ. Gain, 2-18 GHz Frequency Range

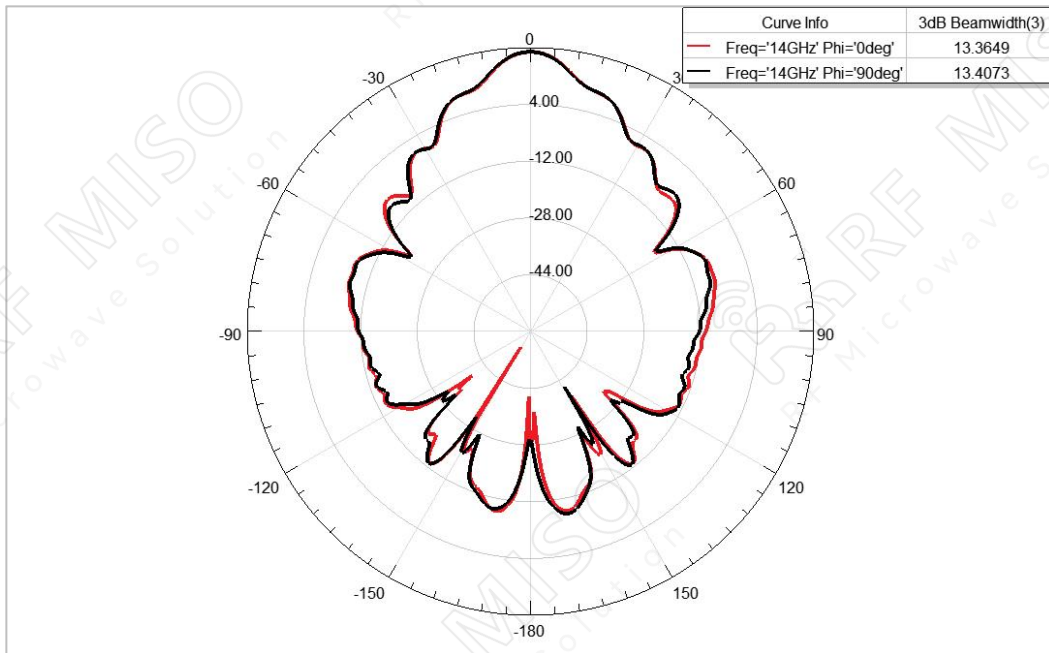


Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA218-15

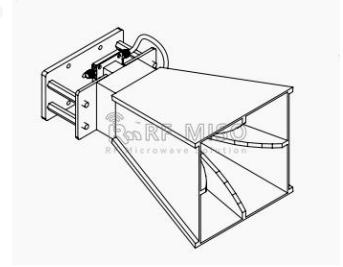


12GHz



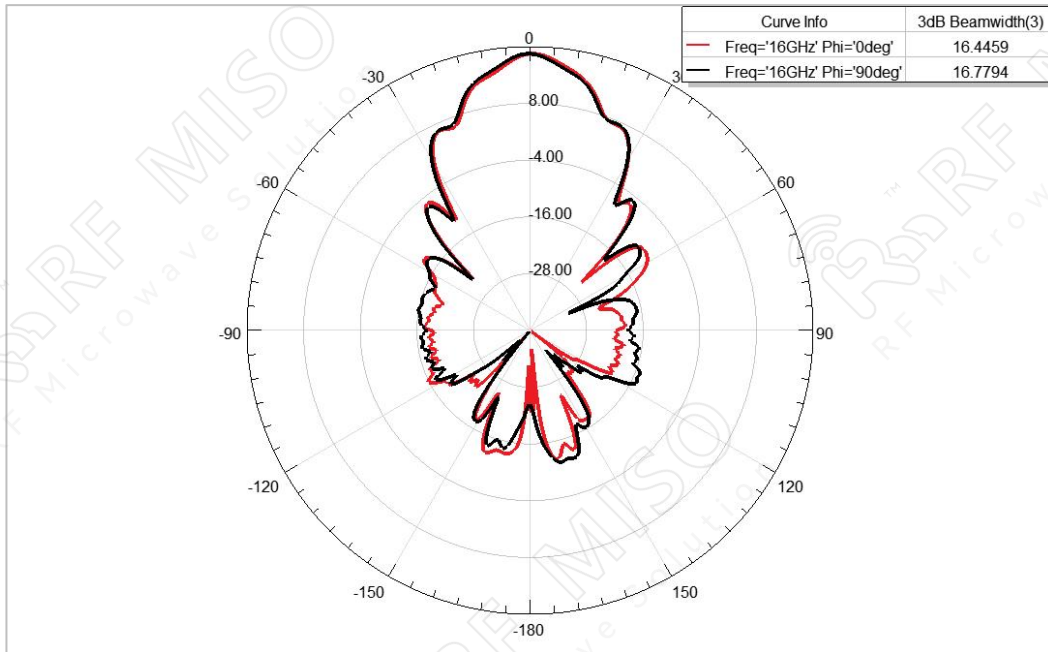
14GHz

Dual Circular Polarization Horn Antenna
15 dBi Typ. Gain, 2-18 GHz Frequency Range

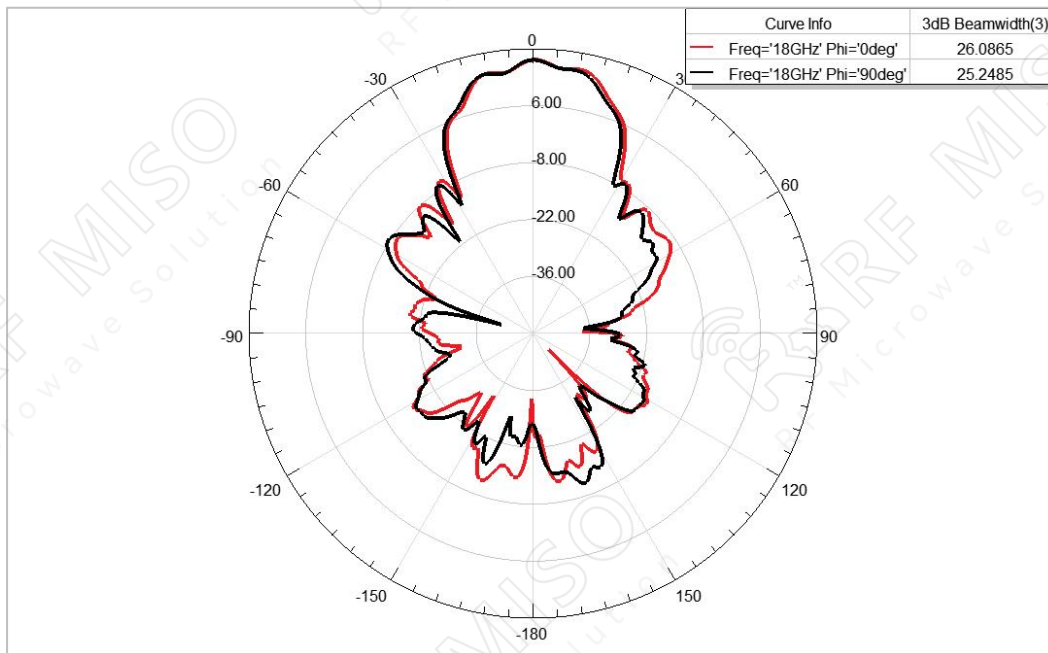


Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA218-15



16GHz



18GHz