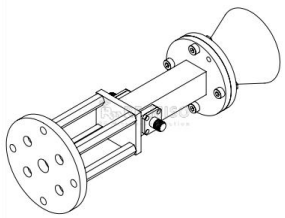
RF MISO
RF Microwave Solution

Dual Circular Polarization Horn Antenna
15 dBi Typ. Gain, 17-22 GHz Frequency Range



Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA1722-15

Descriptions

RF MISO's **Model RM-DCPHA1722-15** is a dual circular polarized horn antenna that operates from 17 to 22 GHz, The antenna offers 15dBi 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.

Specificaions

RM-DCPHA1722-15		
Parameters	Typical	Units
Frequency Range	17-22	GHz
Gain	15 Typ.	dBi
VSWR	1.3 Typ.	
Polarization	Dual Circular	
Cross Polarization	29 Typ.	dB
Port to Port Isolation	28 Typ.	dB
AR	<1.5	dB
F/B	50 Typ.	dB
Coaxial Interface	SMA-Female	
Material	Al	
Finishing	Paint Black	
Size(L*W*H)	157.2*56*56(±5)	mm
Weight	0.059	Kg

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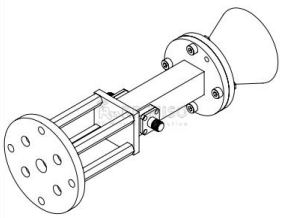

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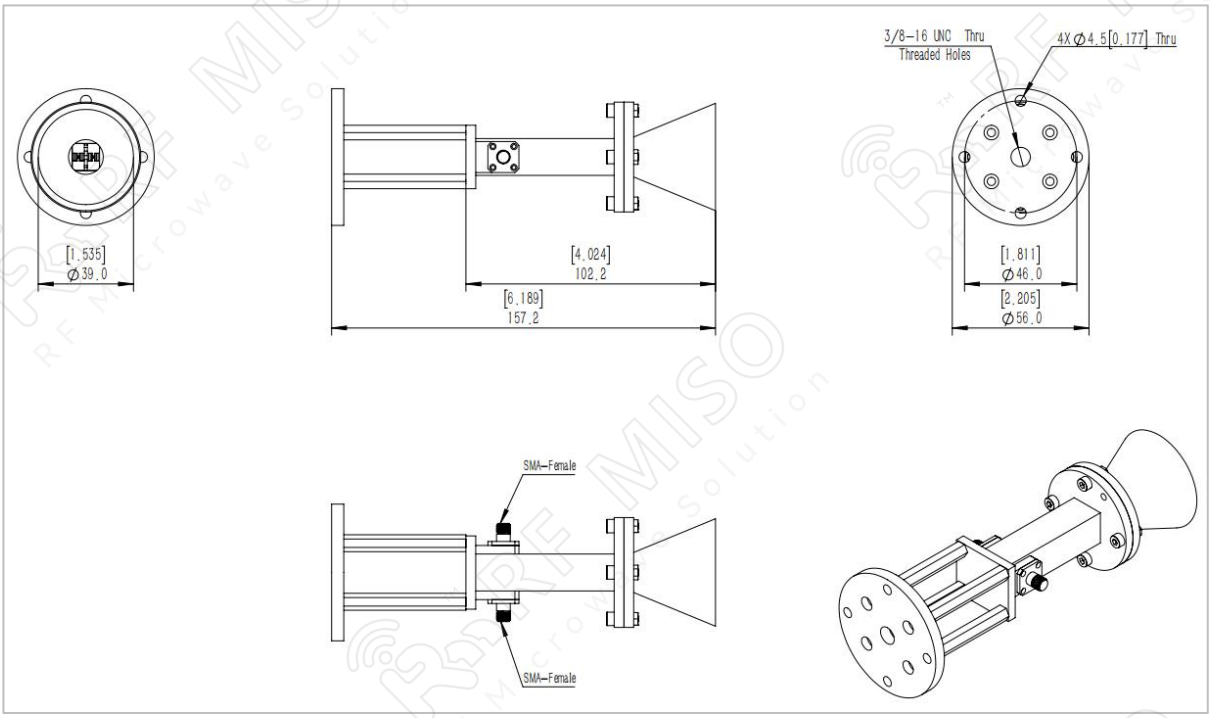
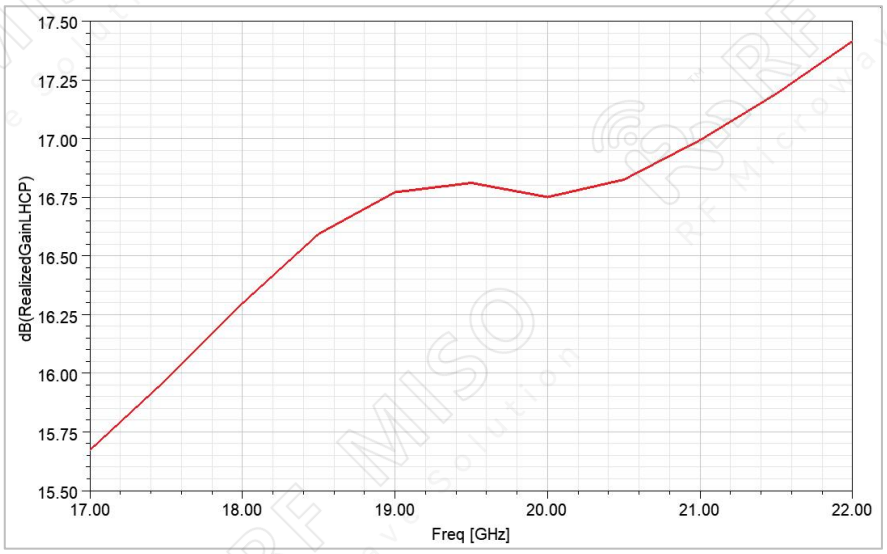
Outline Drawing



Simulation Data

Gain



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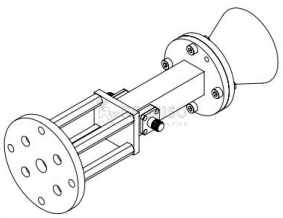

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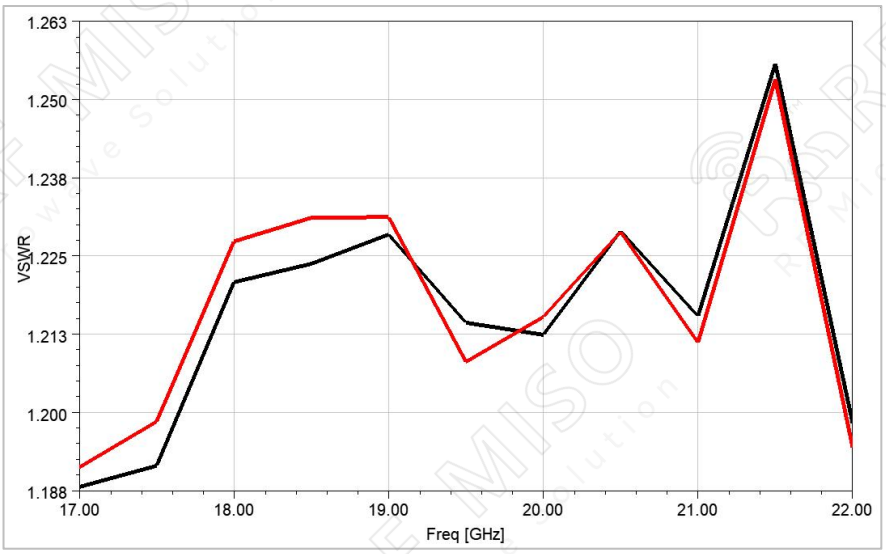
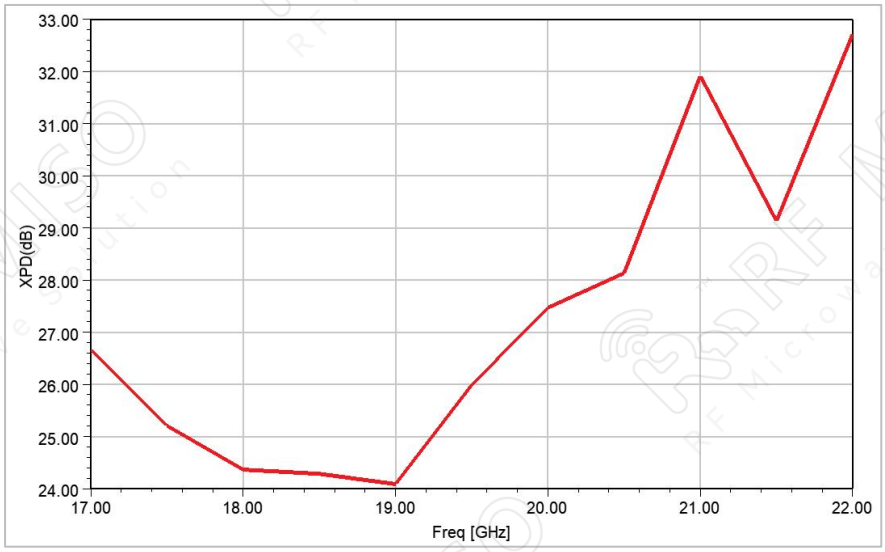
VSWR



Cross Polarization



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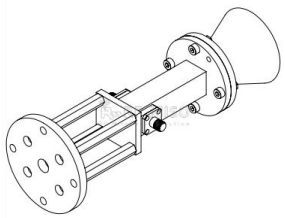

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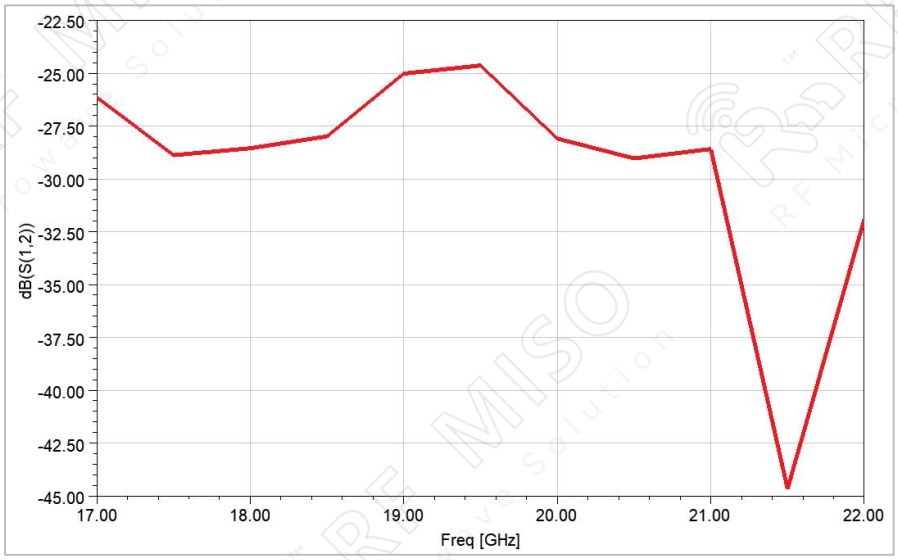
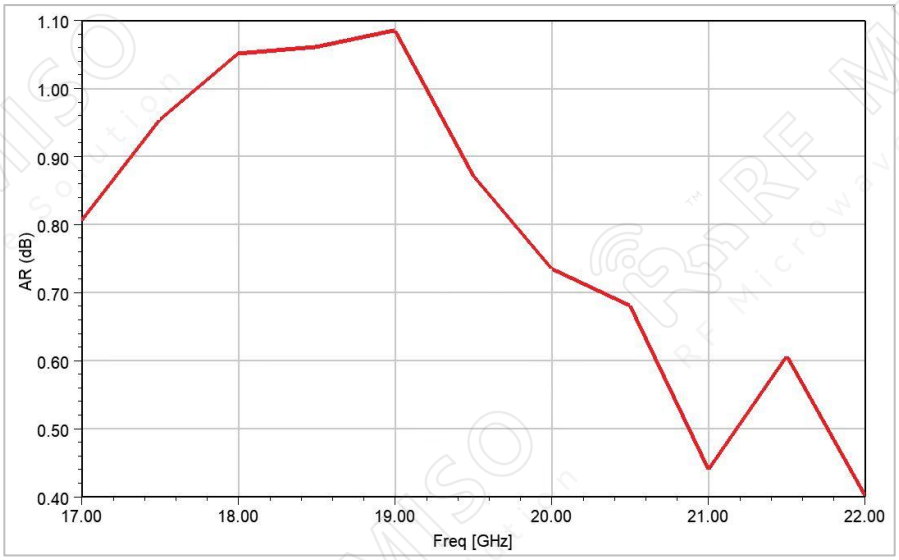
Port to Port Isolation



AR



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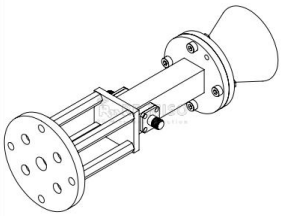

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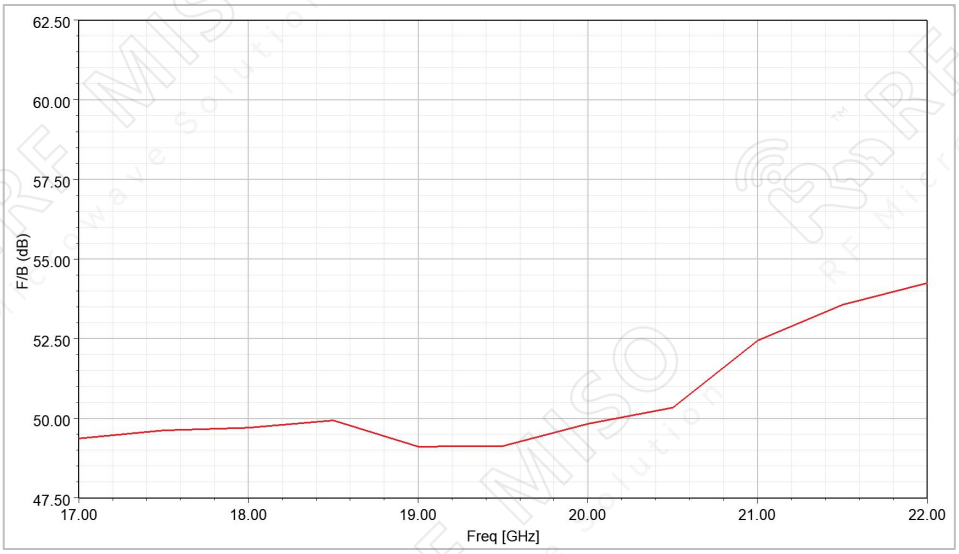
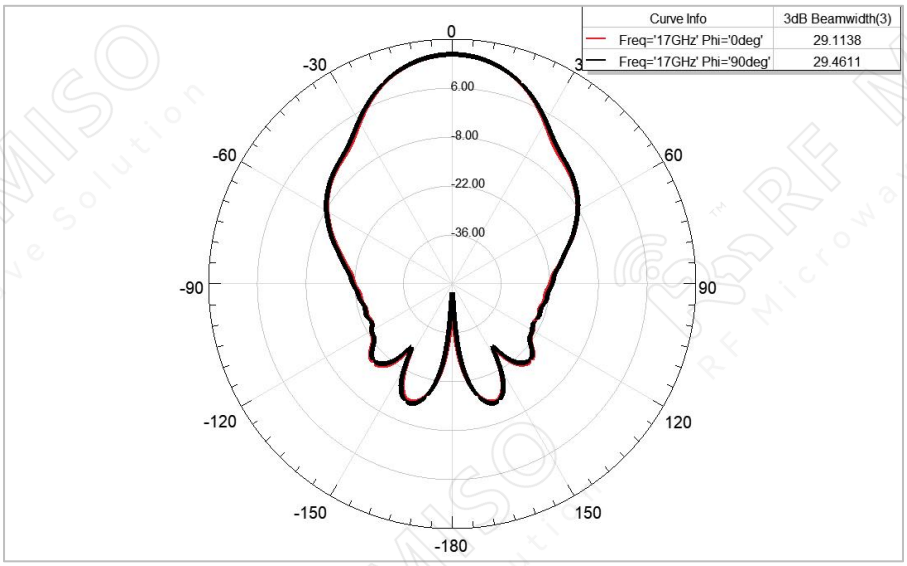
F/B



Gain Patterns



17 GHz

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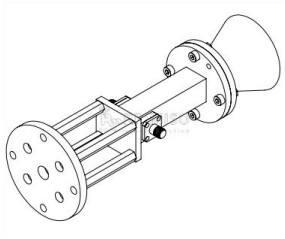

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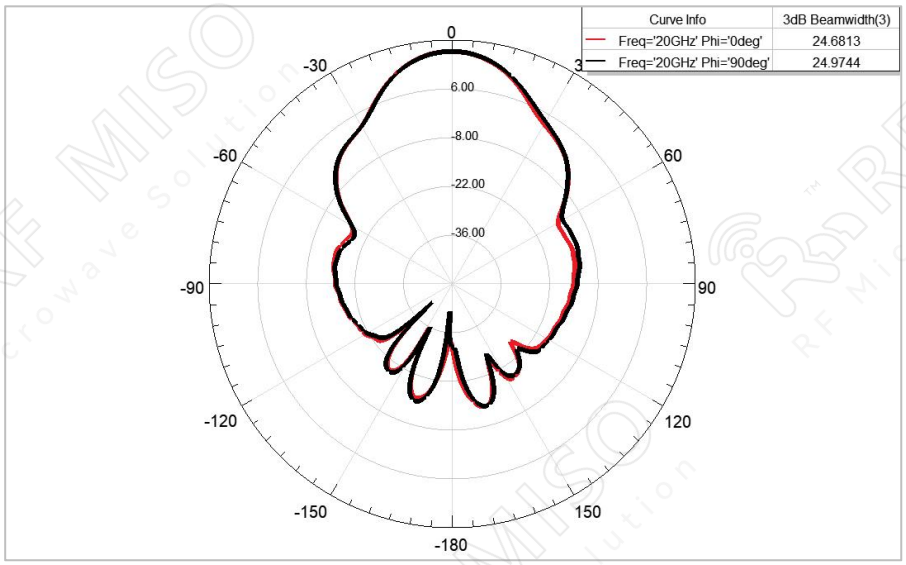
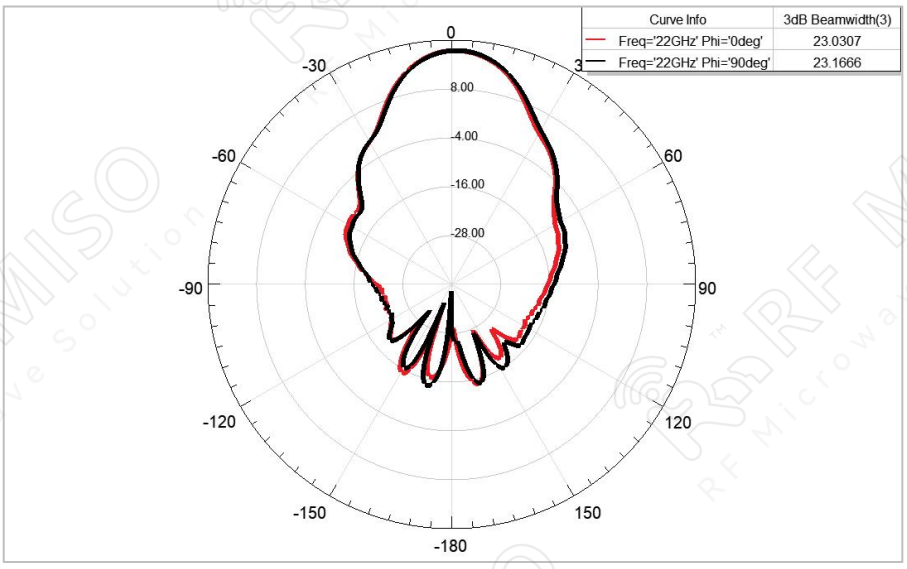


20 GHz



22 GHz

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