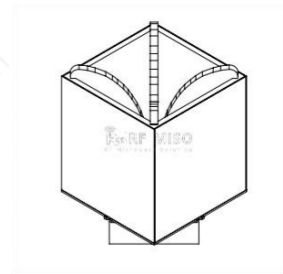


Broadband Dual Horn Antenna

10 dBi Typ. Gain, 0.2-3GHz Frequency Range



Broadband Horn Antenna Data Sheet

RM-BDPHA023-10

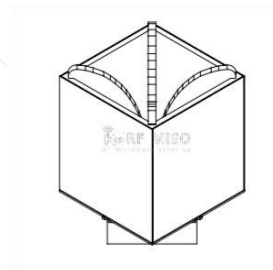
Description

The **RM-BDPHA023-10** is a dual polarized broadband horn antenna that operates in the frequency range of 0.2 GHz to 3 GHz. The antenna offers a typical gain 10 dBi and low VSWR 1.5:1 with N-F connector. The antenna supports dual polarized waveforms. It is suitable for extensive applications such as EMC/EMI testing, surveillance, direction finding, as well as antenna gain and pattern measurements.

Specifications

RM-BDPHA023-10			
Item	Specification		Units
Frequency Range	0.2-3		GHz
Gain	10 Typ.		dBi
VSWR	1.5:1		
Polarization	Dual Linear		
Cross Polarization	50 Typ.		dB
Port to Port Isolation	40 Typ.		dB
3dB Beamwidth	E-Plane:46~259	H-Plane:36~132	Deg
Connector	N-Female		
Body Material, Finishing	Al, Paint		dB
Average Power	300		W
Peak Power	500		W
Size(L*W*H)	270.0*270.0*439.7(±5)		mm
Weight	10		kg

Broadband Dual Horn Antenna
10 dBi Typ. Gain, 0.2-3GHz Frequency Range

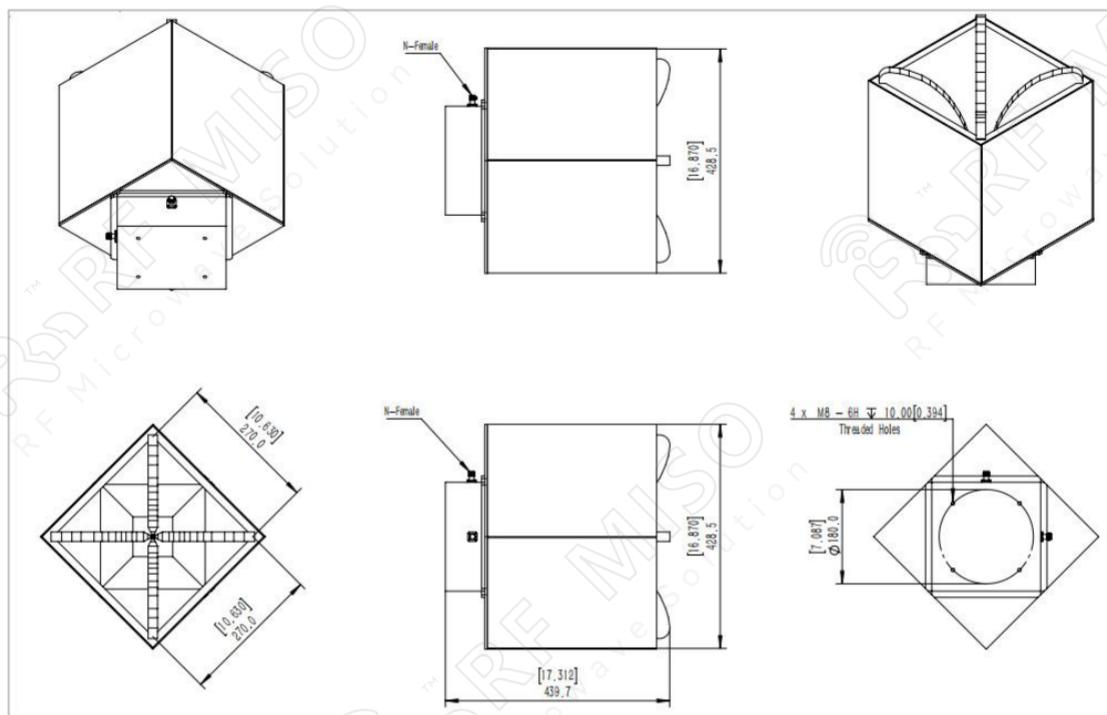


Broadband Horn Antenna Data Sheet

RM-BDPHA023-10

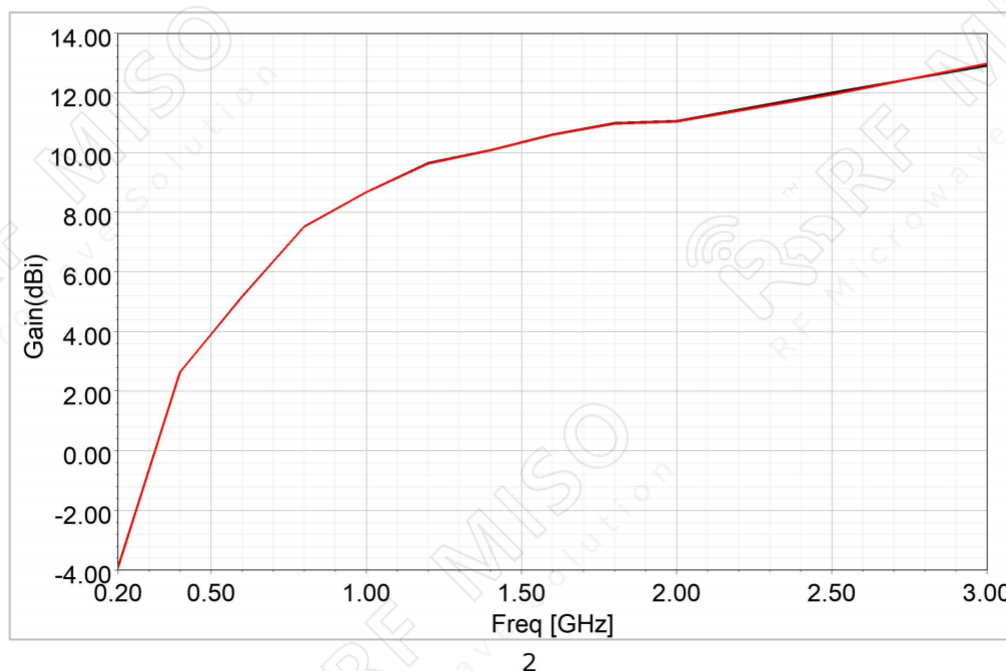
Outline Drawing

SMA connector is available, please contact RF Miso.

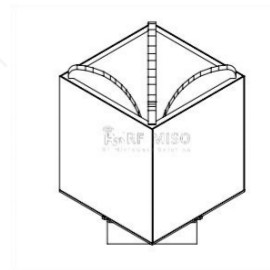


Simulation Results

Gain



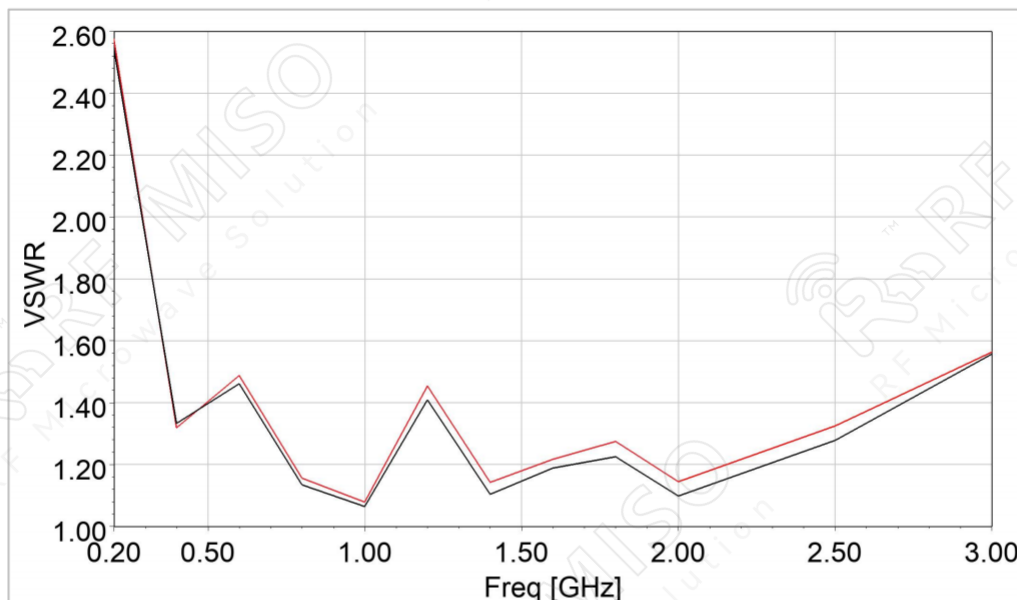
Broadband Dual Horn Antenna
10 dBi Typ. Gain, 0.2-3GHz Frequency Range



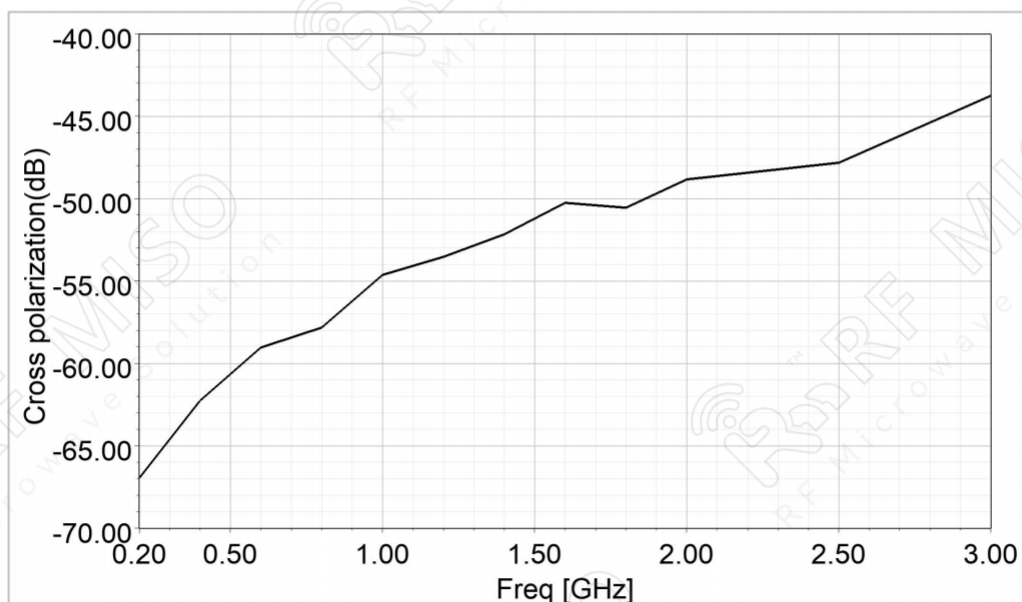
Broadband Horn Antenna Data Sheet

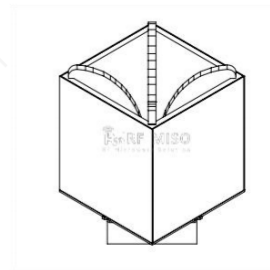
RM-BDPHA023-10

VSWR



Cross Polarization

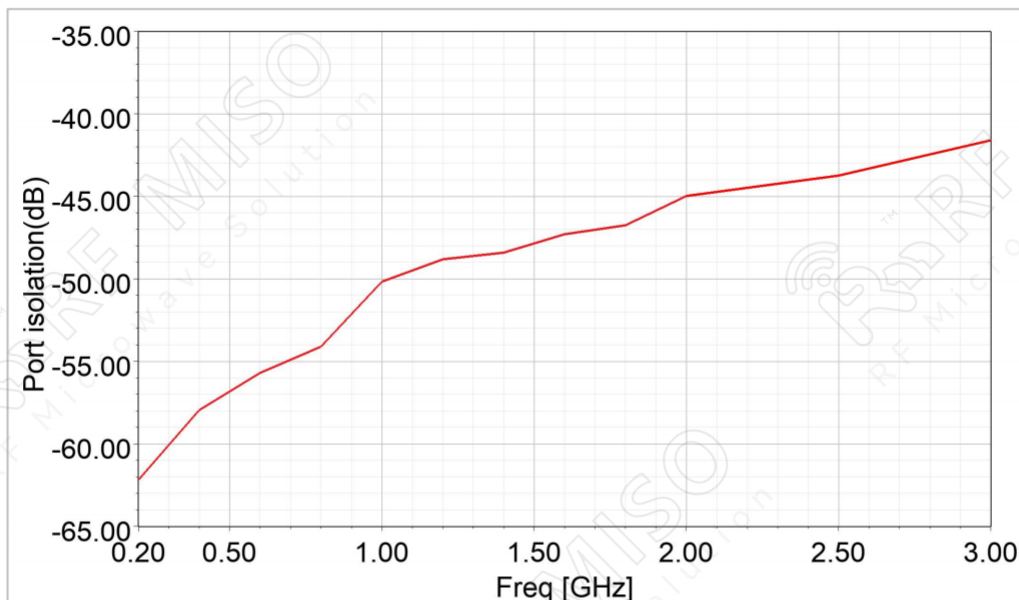




Broadband Horn Antenna Data Sheet

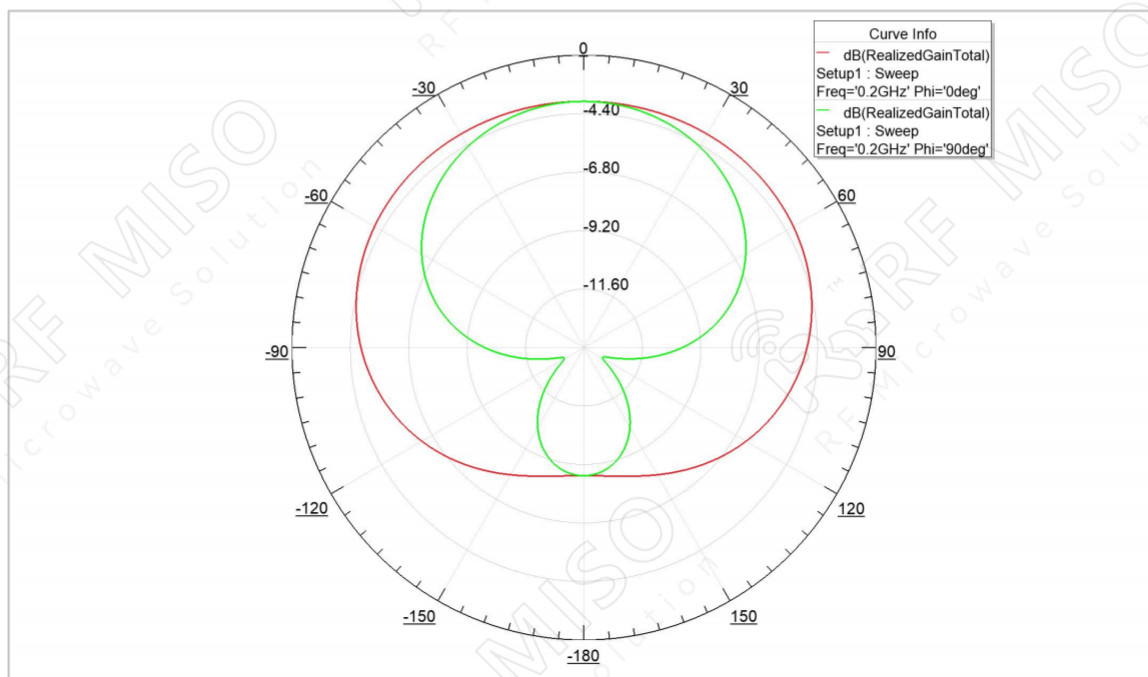
RM-BDPHA023-10

Port to Port Isolation

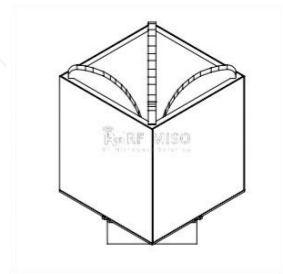


Gain Pattern

0.2 GHz



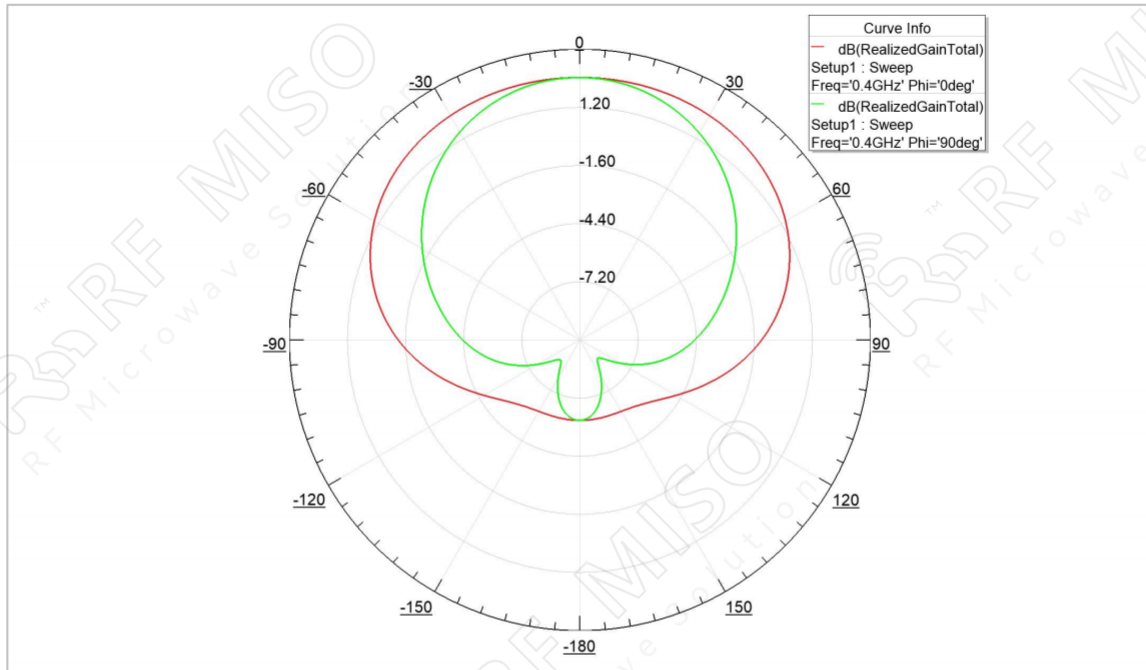
Broadband Dual Horn Antenna
10 dBi Typ. Gain, 0.2-3GHz Frequency Range



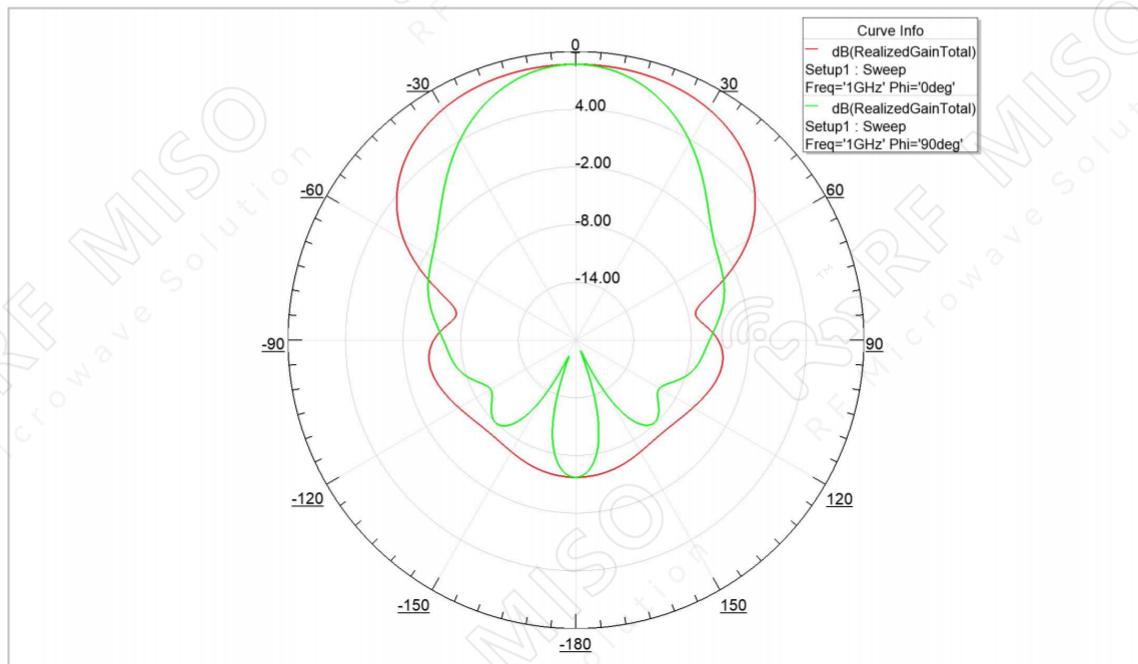
Broadband Horn Antenna Data Sheet

RM-BDPHA023-10

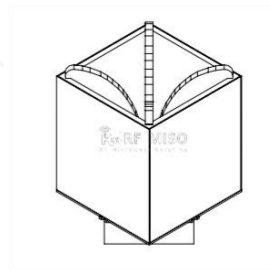
0.4 GHz



1 GHz



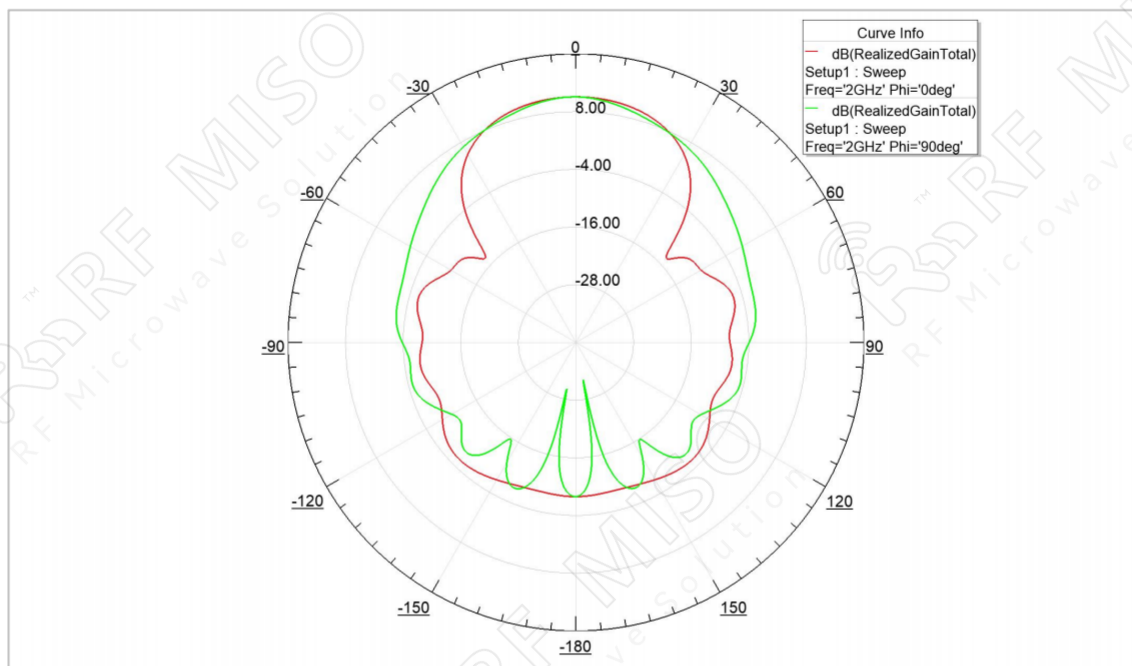
Broadband Dual Horn Antenna
10 dBi Typ. Gain, 0.2-3GHz Frequency Range



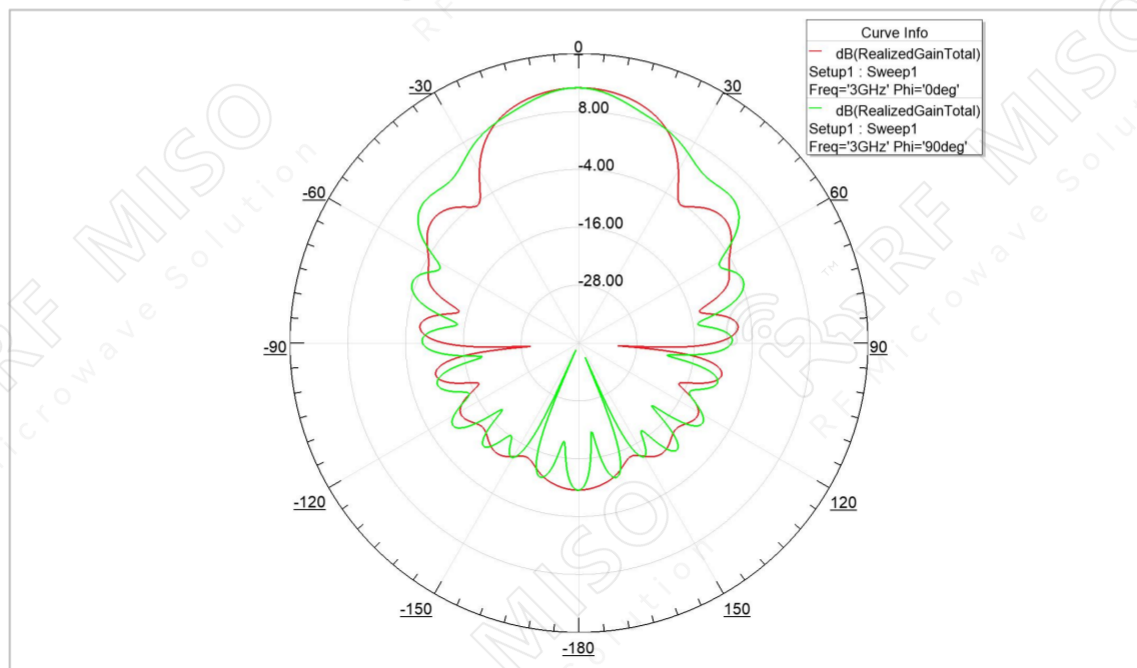
Broadband Horn Antenna Data Sheet

RM-BDPHA023-10

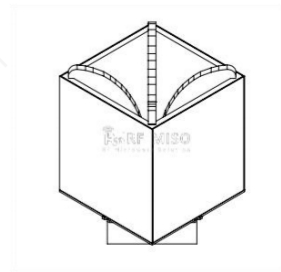
2 GHz



3 GHz



Broadband Dual Horn Antenna
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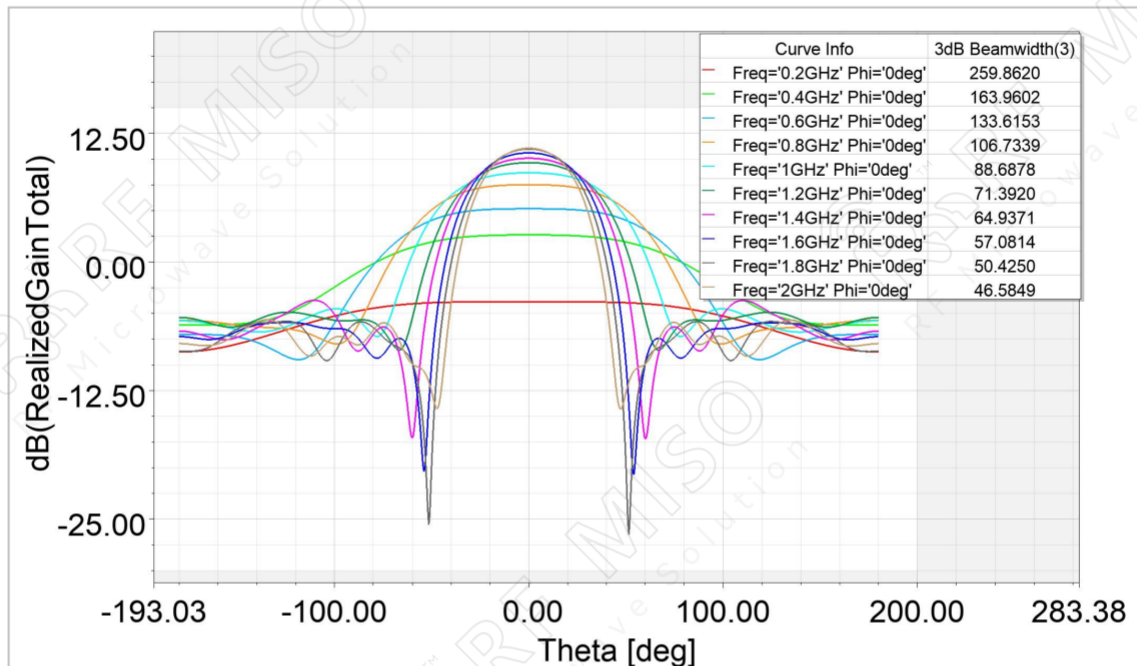


Broadband Horn Antenna Data Sheet

RM-BDPHA023-10

3dB Beamwidth

E-Plane



H-Plane

