

Corrugated Horn Antenna
20dBi Typ. Gain, 10-15GHz Frequency Range

Corrugated Horn Antenna Data Sheet

RM-CGHA75-20

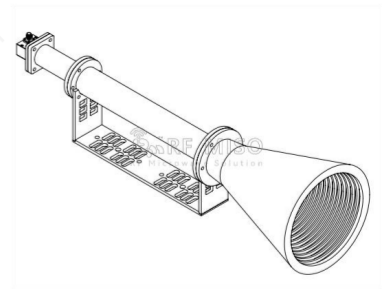
Description

Left-hand circularly polarized corrugated horn antenna RM-CGHA75-20, operating frequency 10 to 15 GHz, gain 20dB Typ., VSWR <1.3, equipped with SMA-F connector. Widely used in 5G and millimeter wave, radar systems, satellite communications, etc.

Specifications

RM-CGHA75-20		
Parameters	Specification	Unit
Frequency Range	10-15	GHz
Gain	20 Typ.	dBi
VSWR	<1.3	
Polarization	LHCP	
Cross Polarization	30 Typ.	dB
AR	<2	dB
3dB Beamwidth,E-Plane	12.9~19.8	deg
3dB Beamwidth,H-Plane	12.7~19.7	deg
Connector	SMA-Female	
Waveguide	WR75	
Material	Al	
Finishing	Paint	
Size(L*W*H)	498.2*140.4*147.0	mm
Weight	1.35	Kg

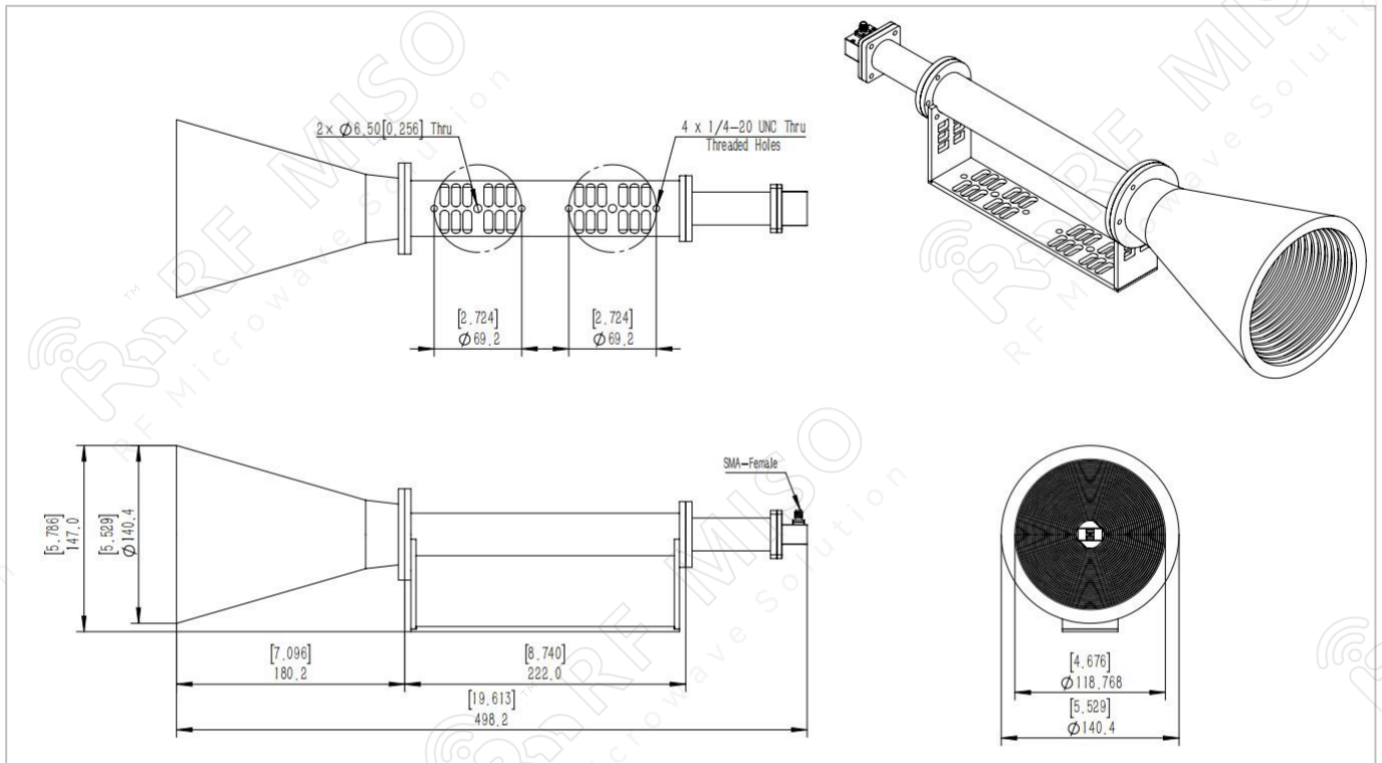
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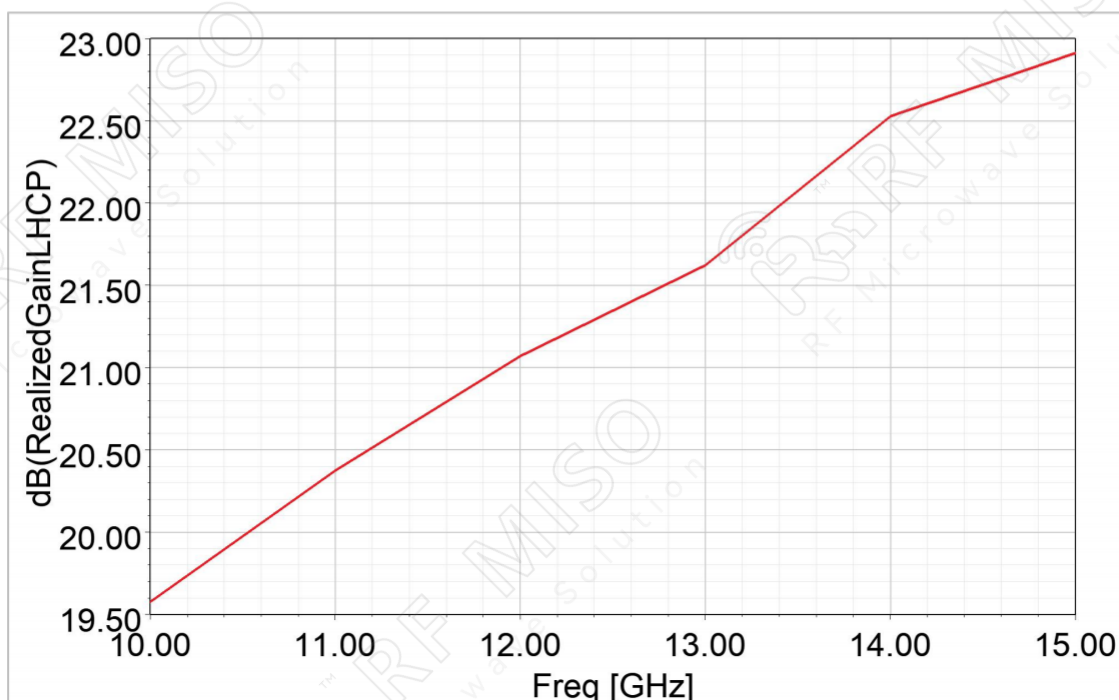
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Outline Drawing

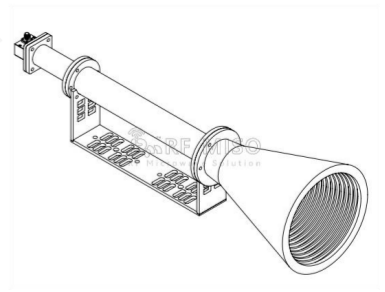


Simulated Results

Gain



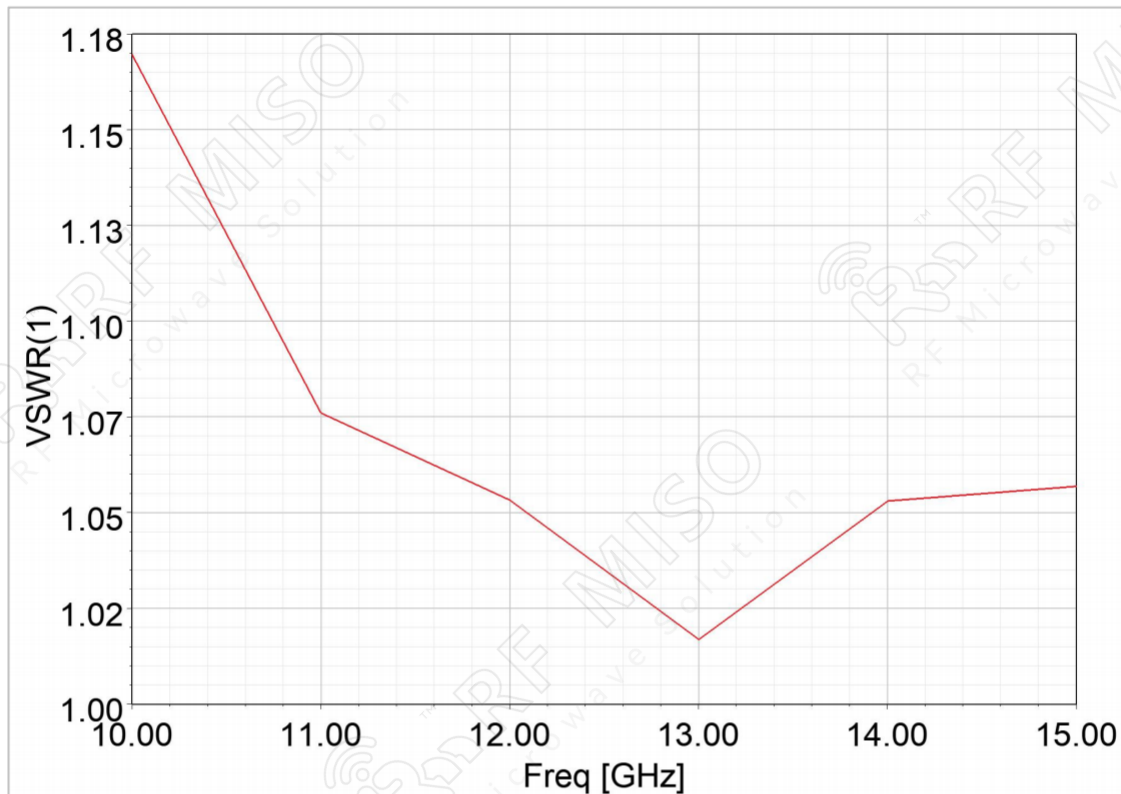
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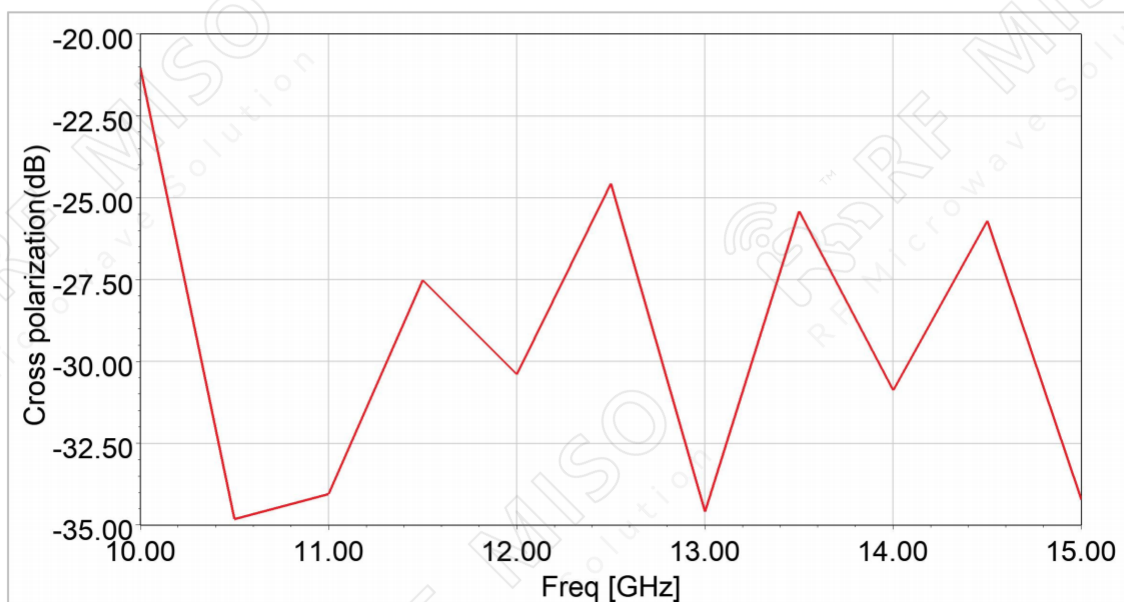
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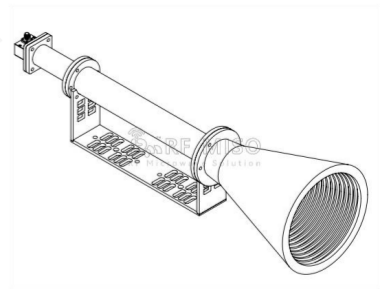
VSWR



Cross polarization



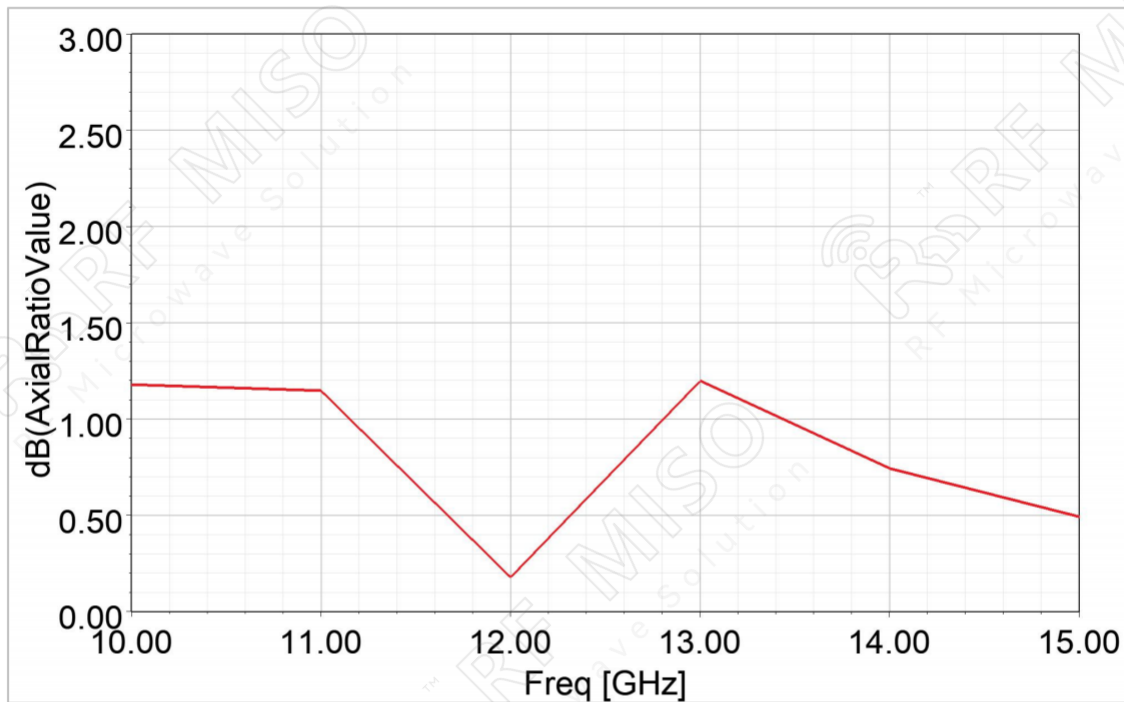
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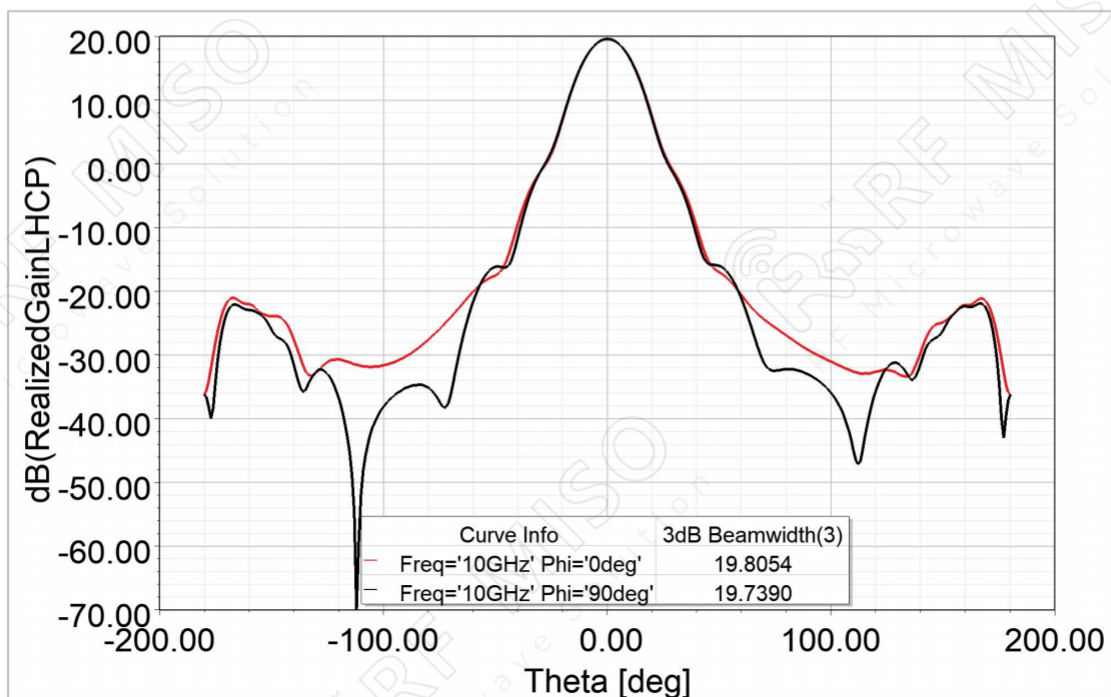
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AR

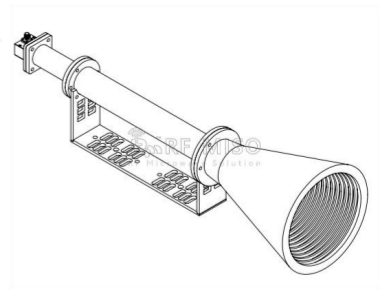


Gain Pattern

10GHz



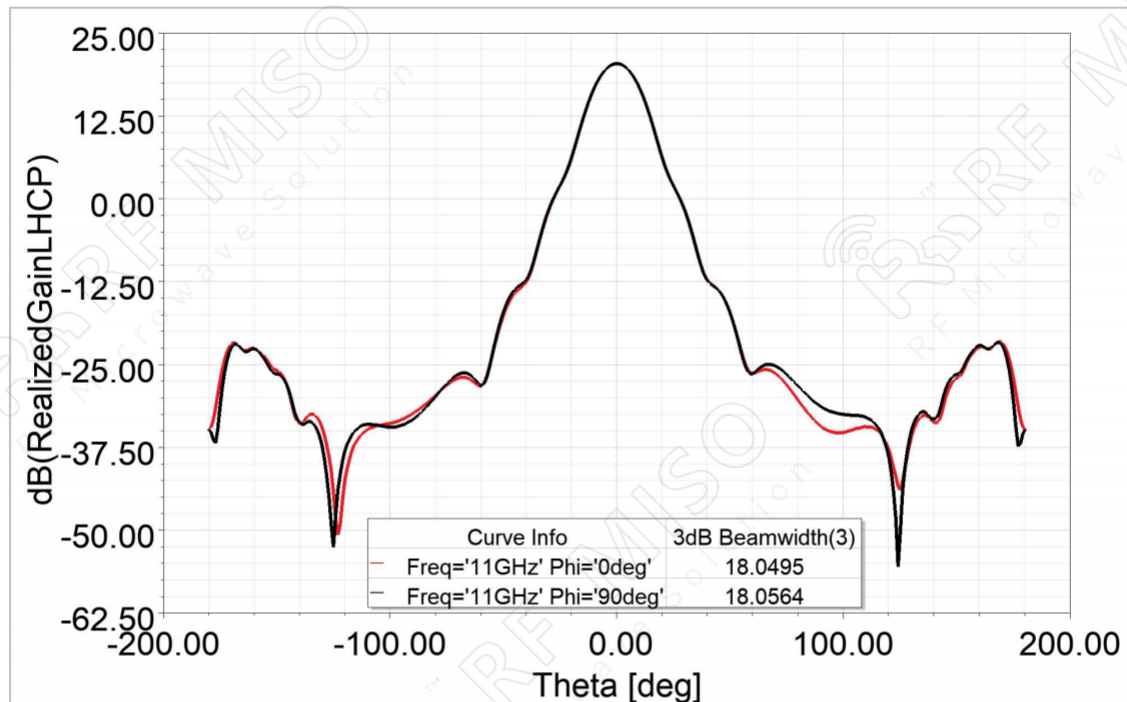
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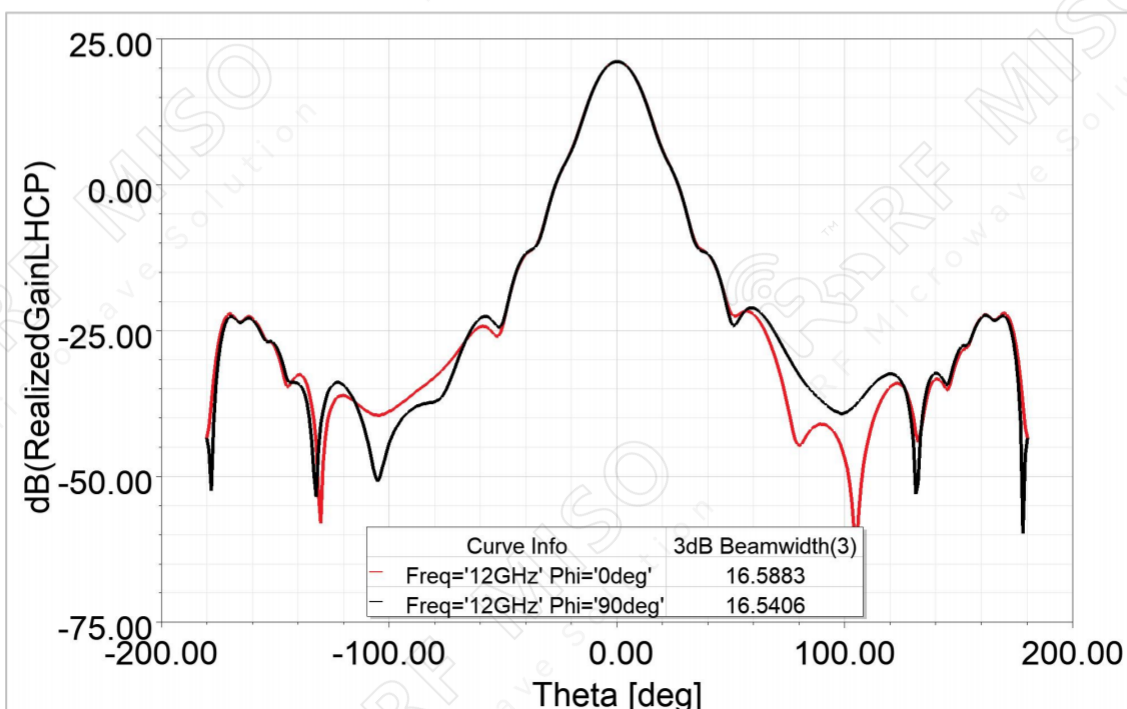
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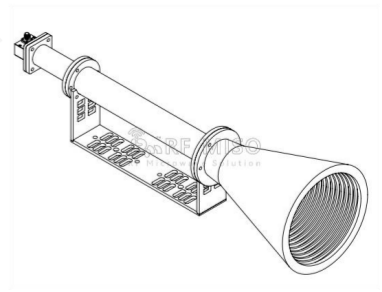
11GHz



12GHz



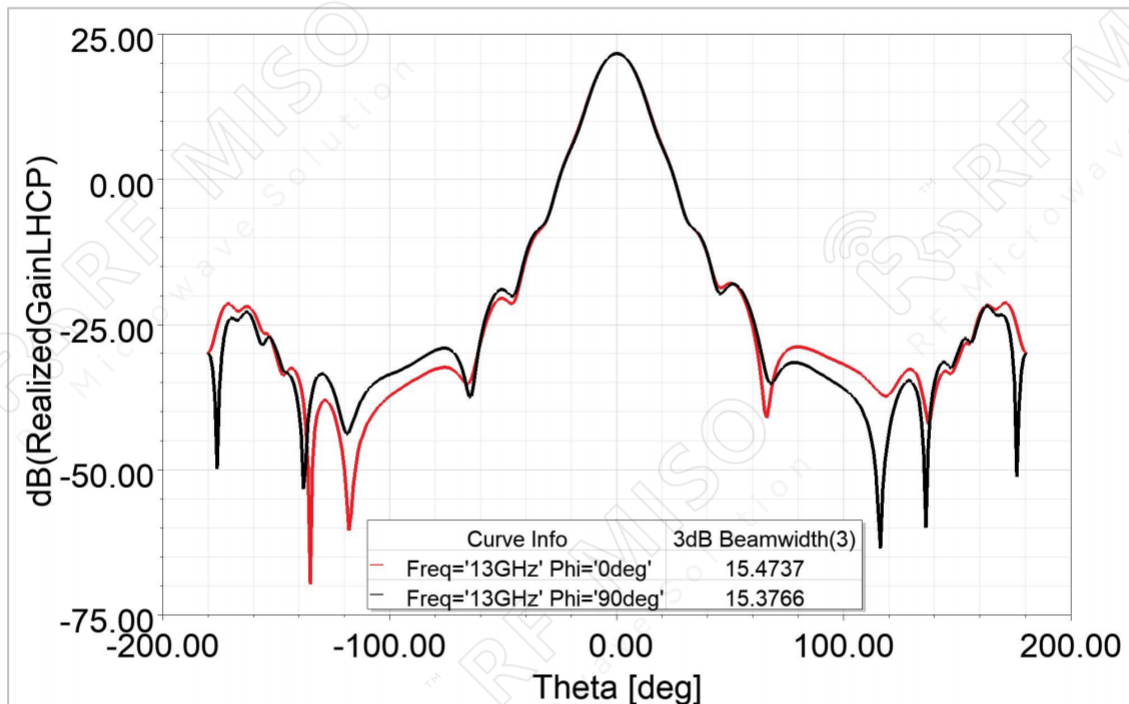
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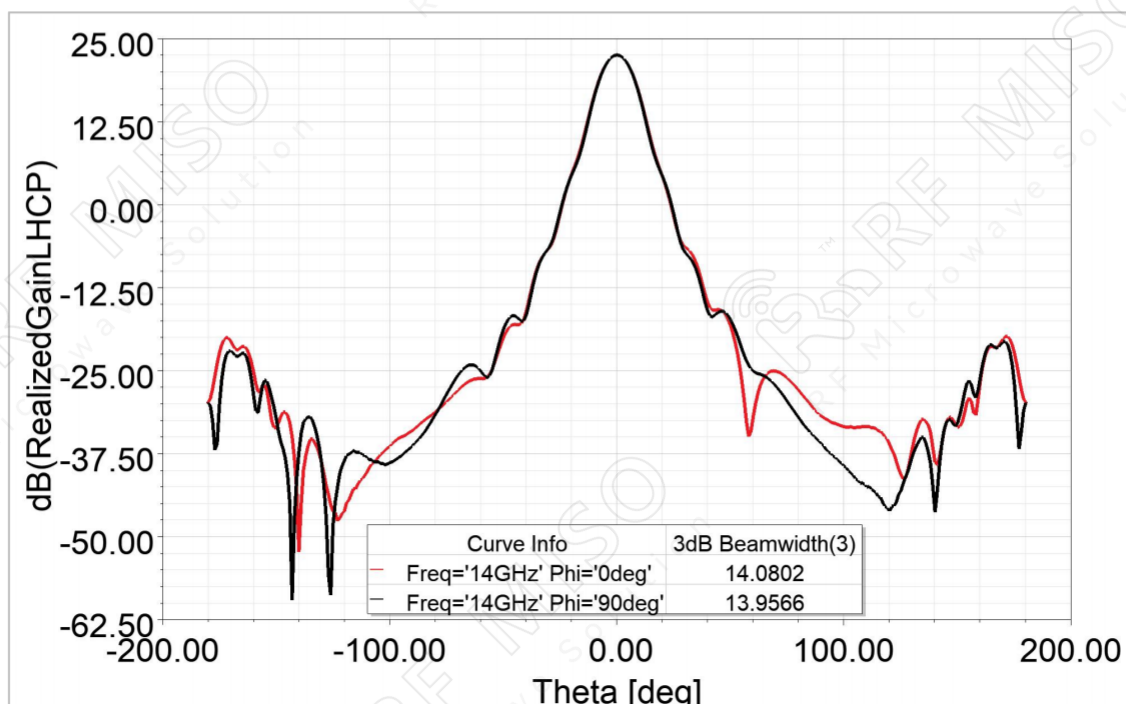
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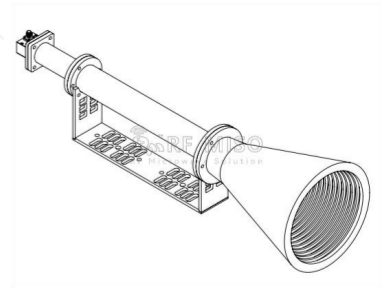
13GHz



14GHz



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15GHz

