

Broadband Horn Antenna
1-21 GHz Frequency Range, Gain 13 dBi Typ.

Broadband Horn Antenna Data Sheet

RM-BDHA121-13

Features

- Ideal for Antenna Measurements
- Low VSWR
- Moderate Gain
- Broadband Operation
- Linear Polarization
- Small Size

Descriptions

RF MISO's **Model RM-BDHA121-13** is a linear polarized broadband horn antenna that operates from 1 to 21 GHz. The antenna offers a typical gain of 13 dBi and low VSWR 1.5:1 with SMA-Female connector. It is ideally applied for EMC/EMI testing, surveillance and direction finding systems, antenna system measurements and other applications.

Specifications

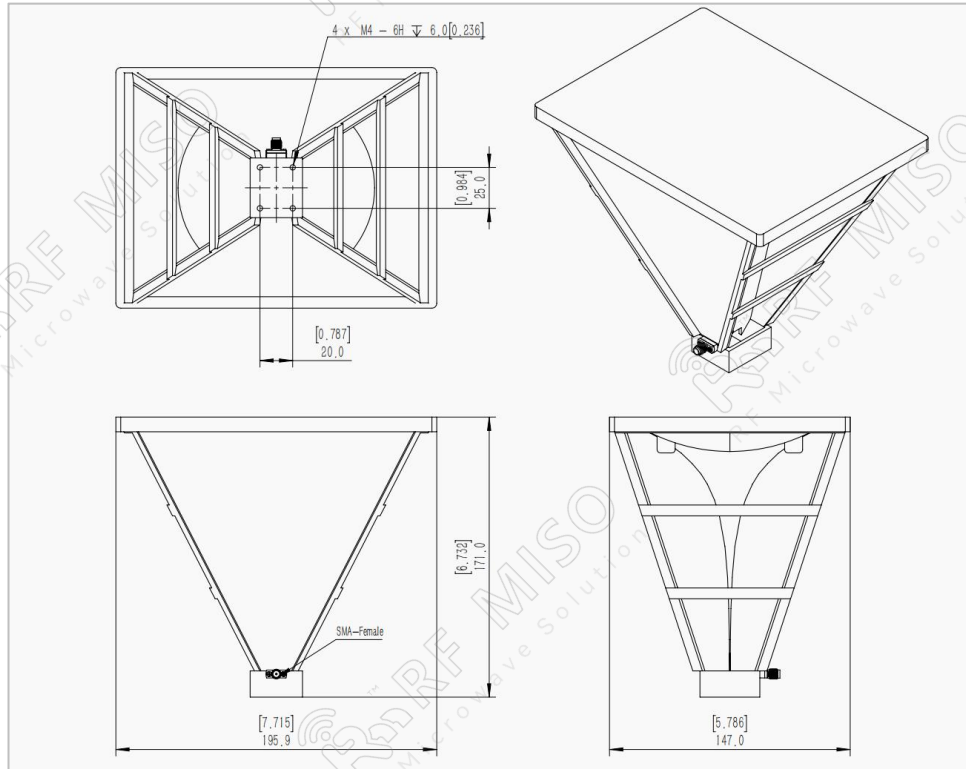
RM-BDHA121-13		
Item	Specification	Unit
Frequency Range	1-21	GHz
Gain	13 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Linear	
Cross Po. Isolation	30 Typ.	dB
Connector	SMA-Female	
Finishing	Paint	
Material	Al	
Size	195.9*147*171(L*W*H)	mm
Weight	0.837	kg
Power Handling,CW	50	w
Power Handling,Peak	300	w

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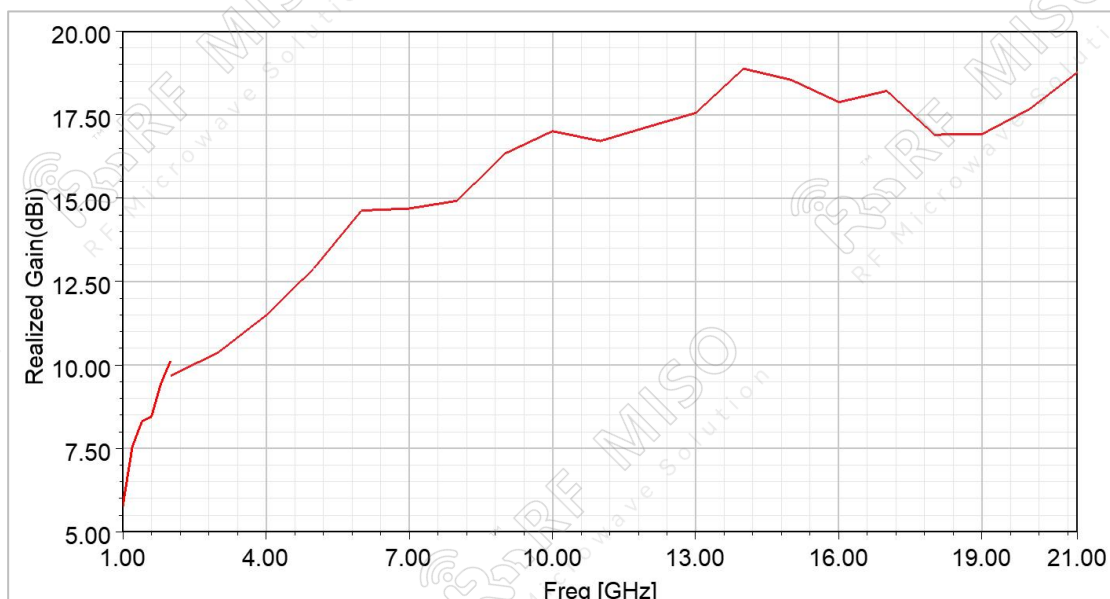
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Mechanical Drawing



Simulation Result

Gain

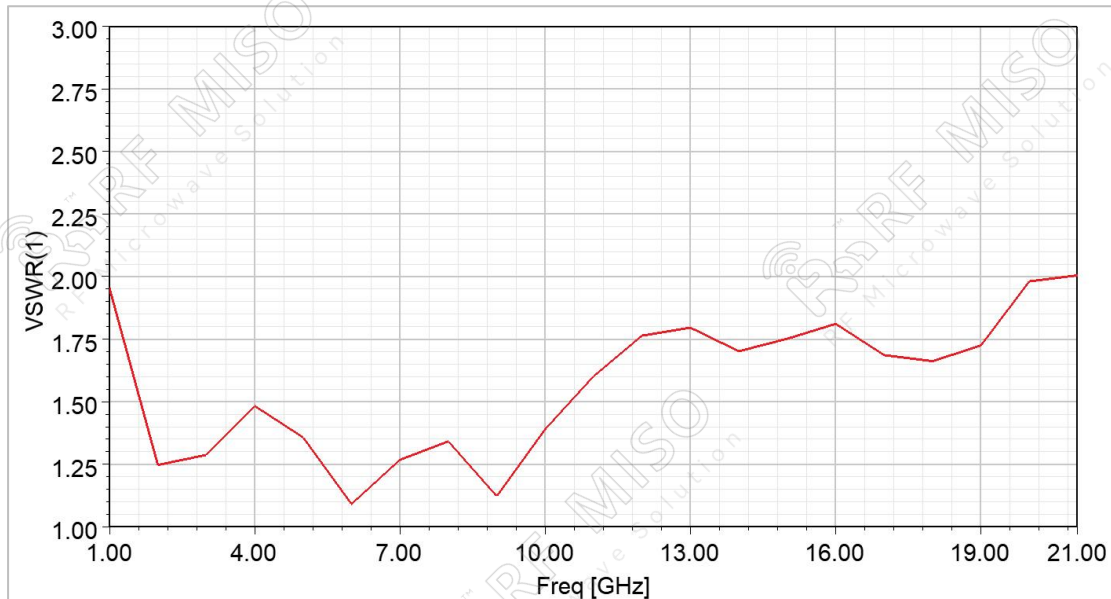


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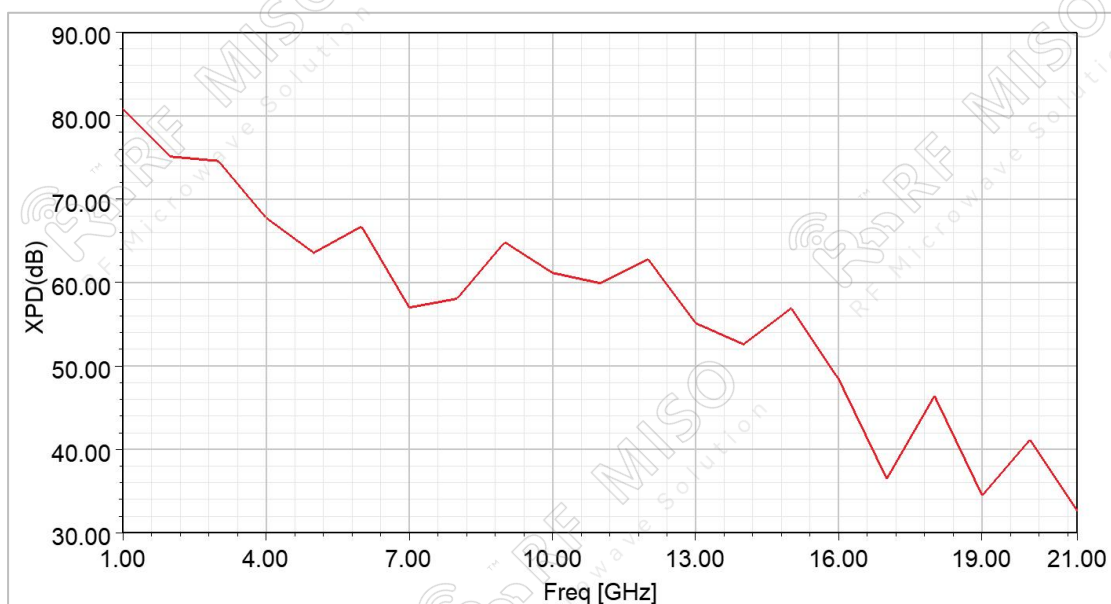
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VSWR



Cross Polarization



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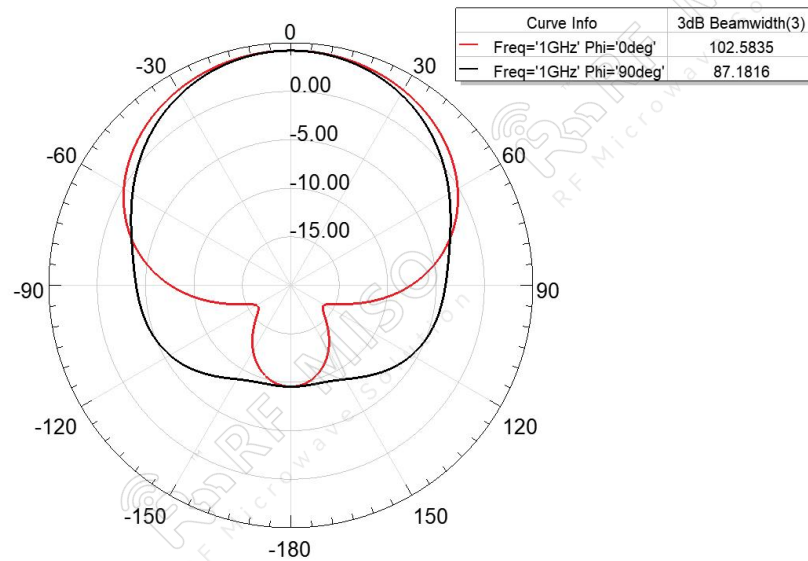
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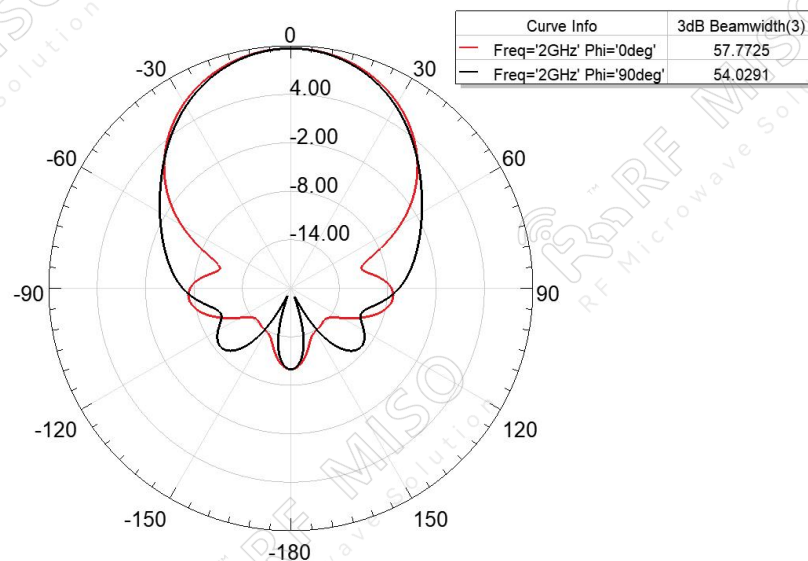
Gain Pattern

(phi=0deg: H-plane, phi=90deg: E-plane)

1GHz



2GHz

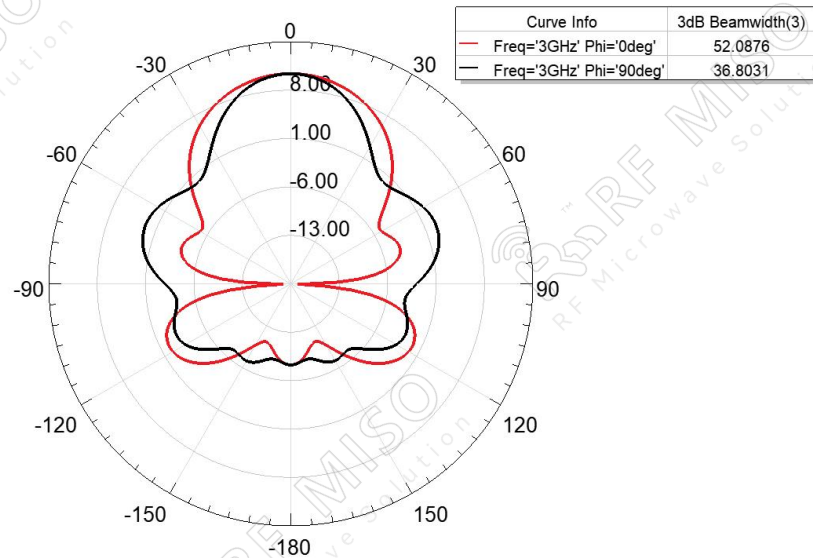


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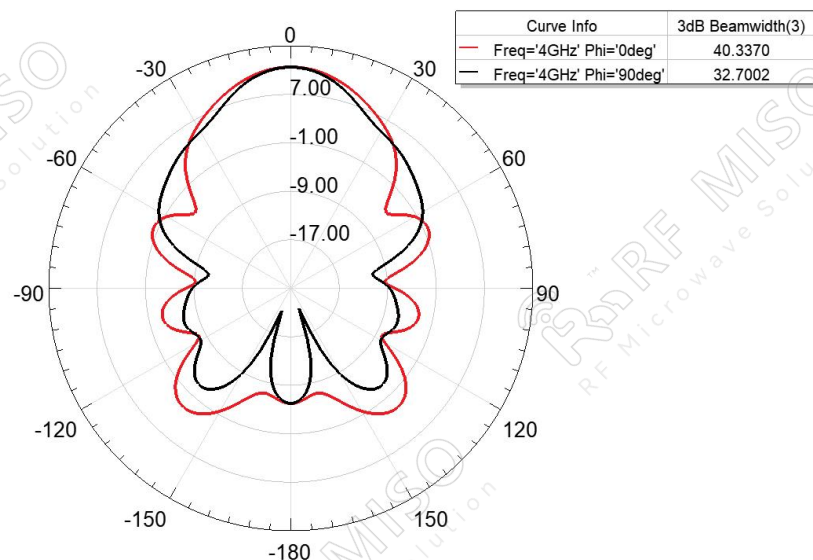
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3GHz



4GHz

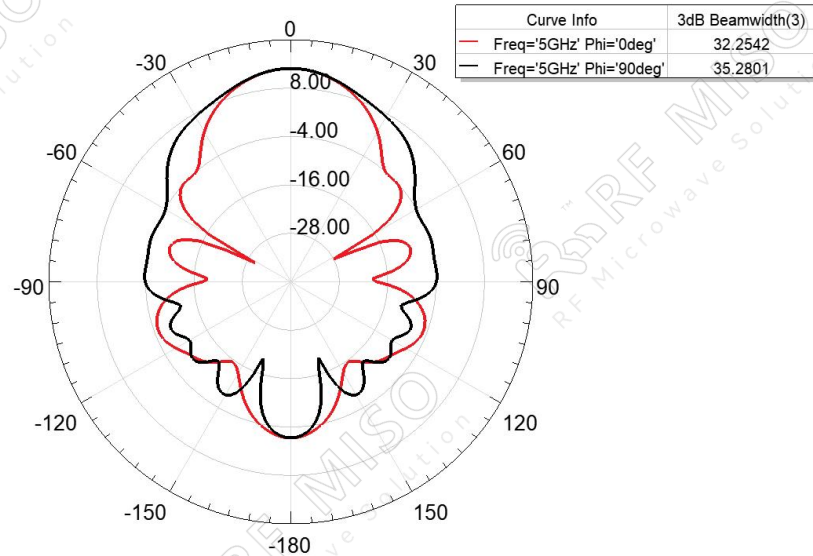


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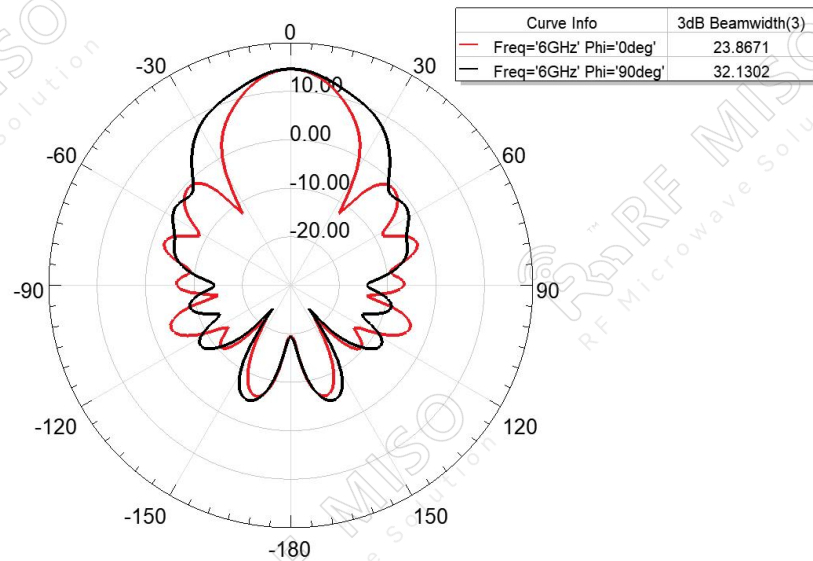
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5GHz



6GHz

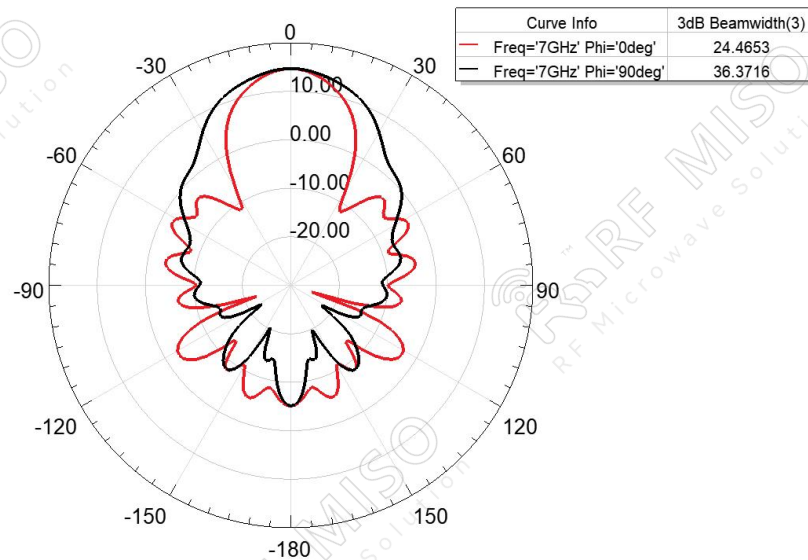


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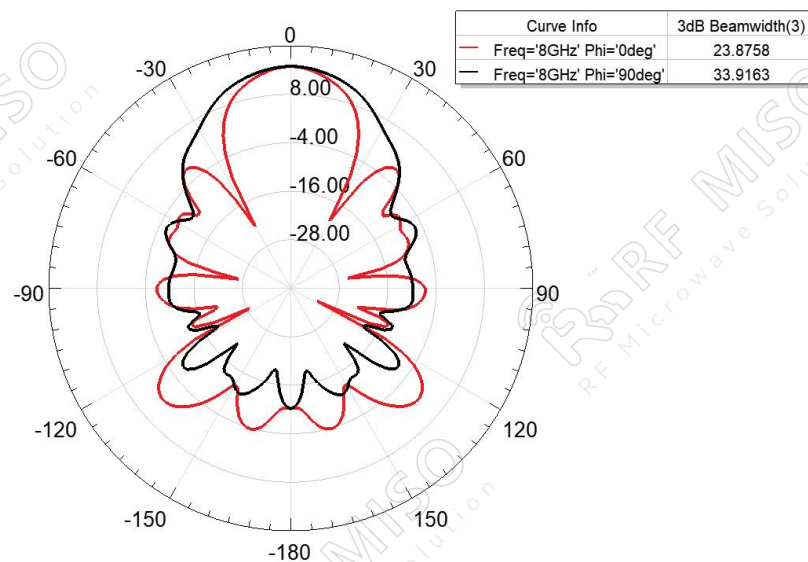
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7GHz



8GHz

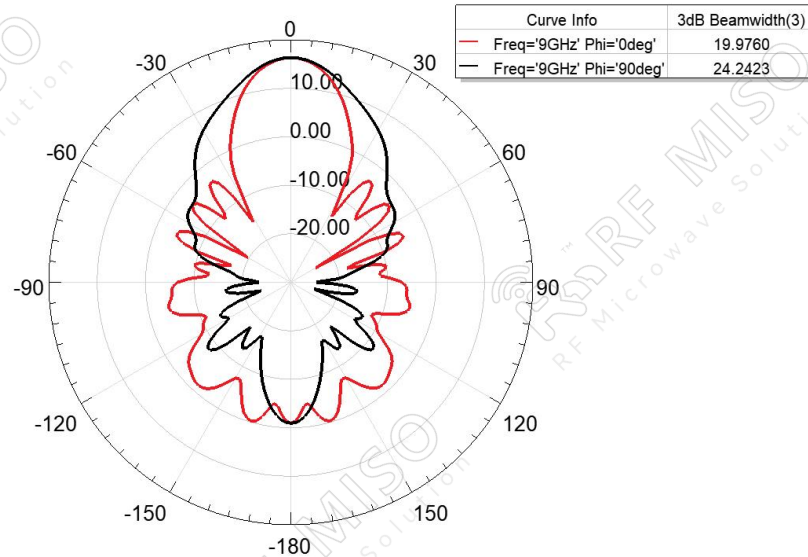


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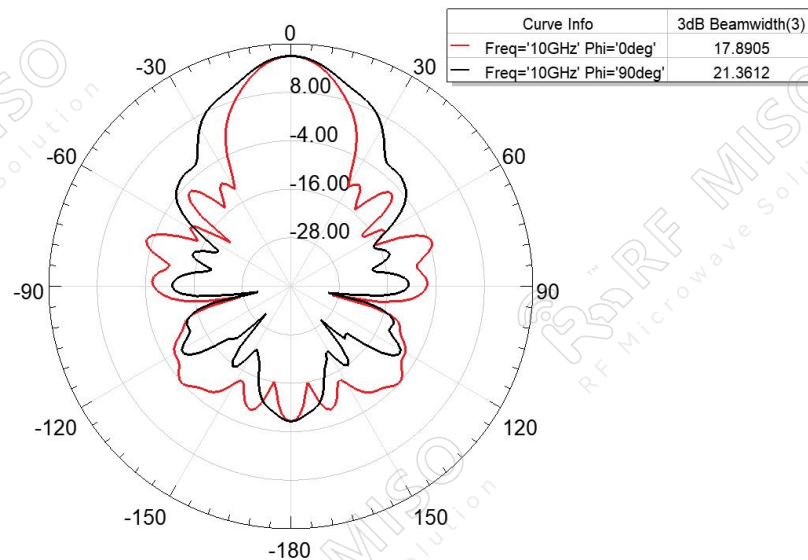
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9GHz



10GHz

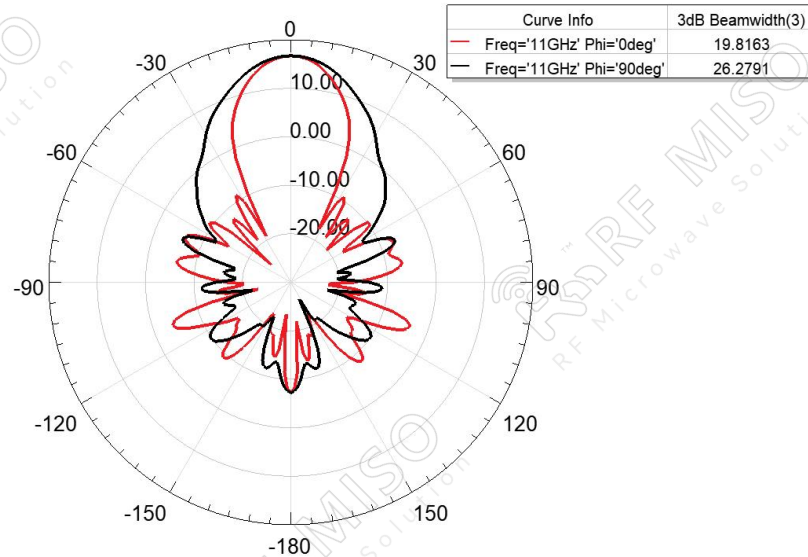


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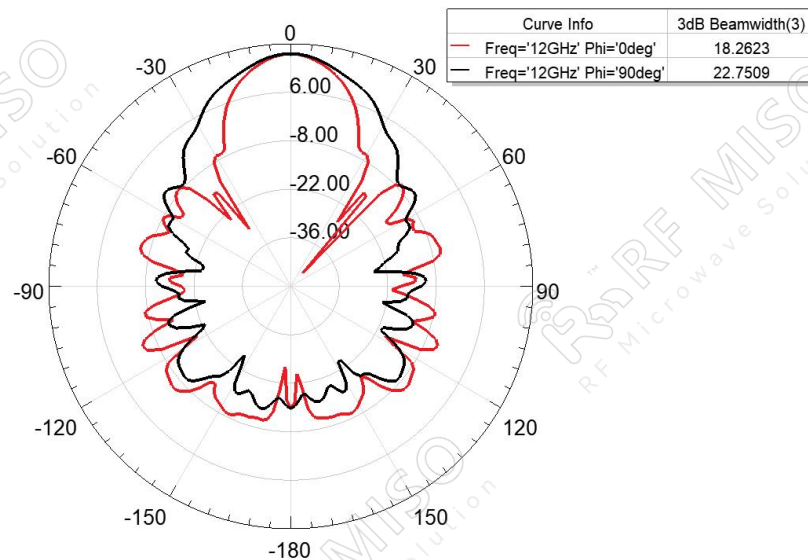
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11GHz



12GHz

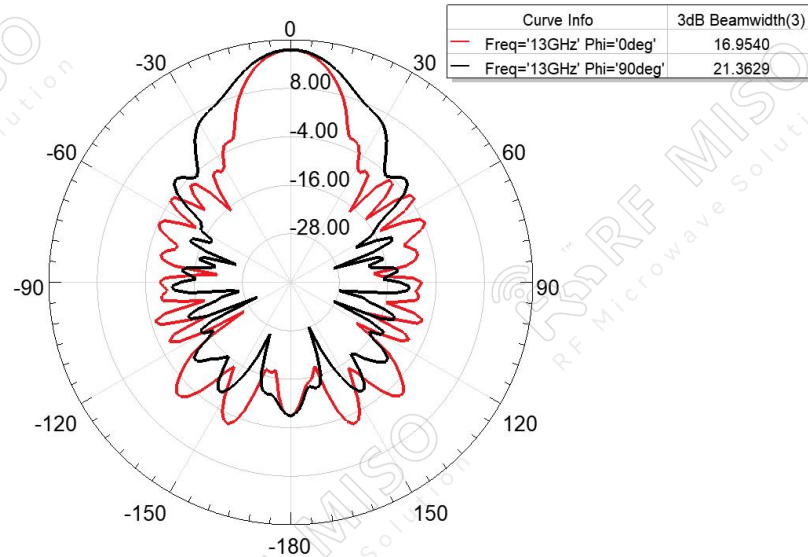


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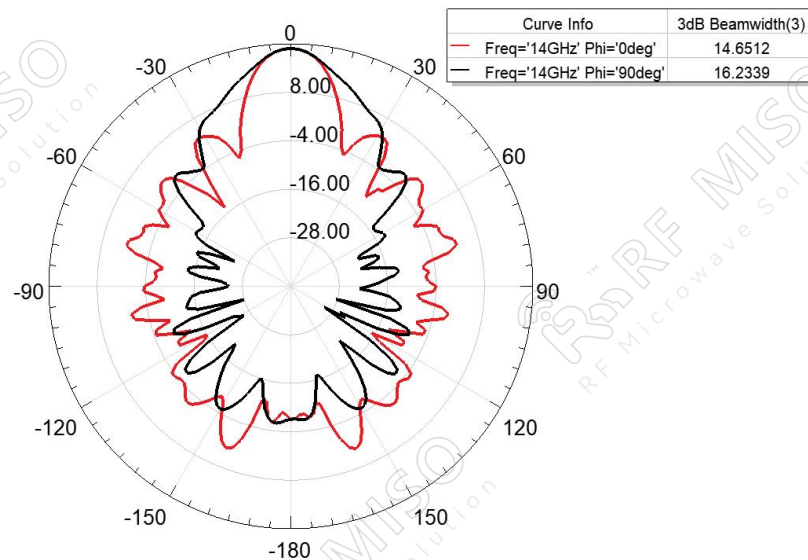
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13GHz



14GHz

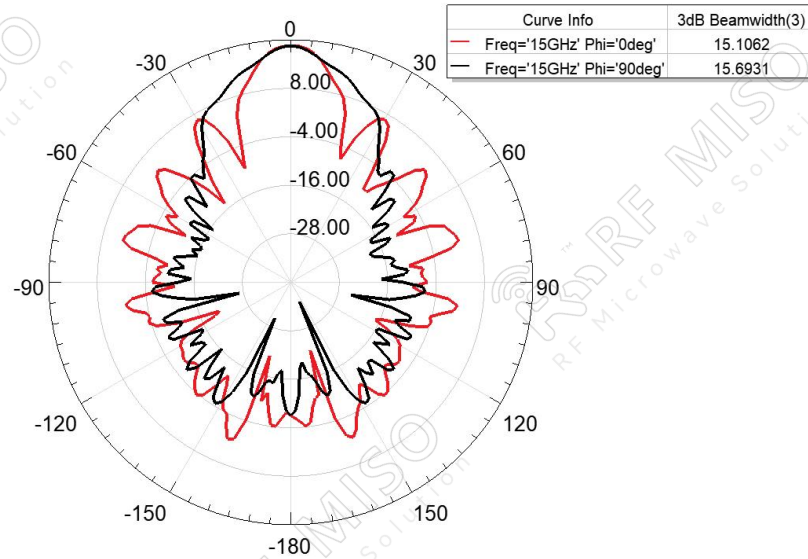


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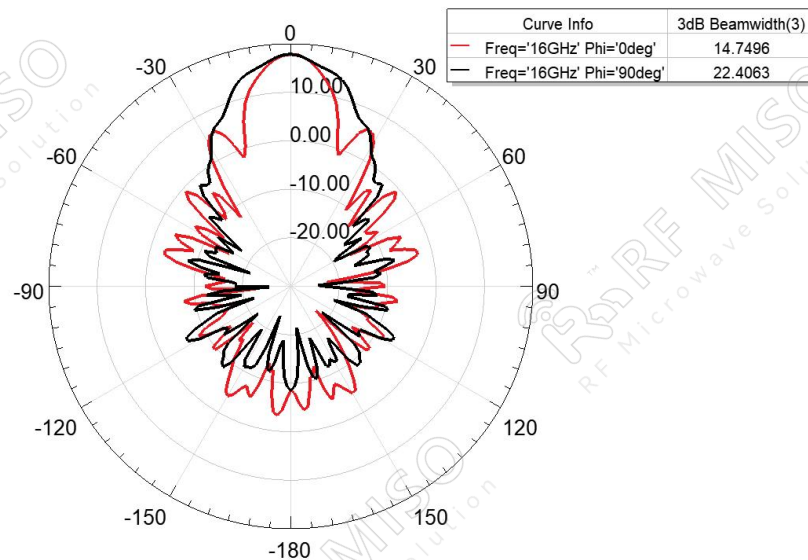
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15GHz



16GHz

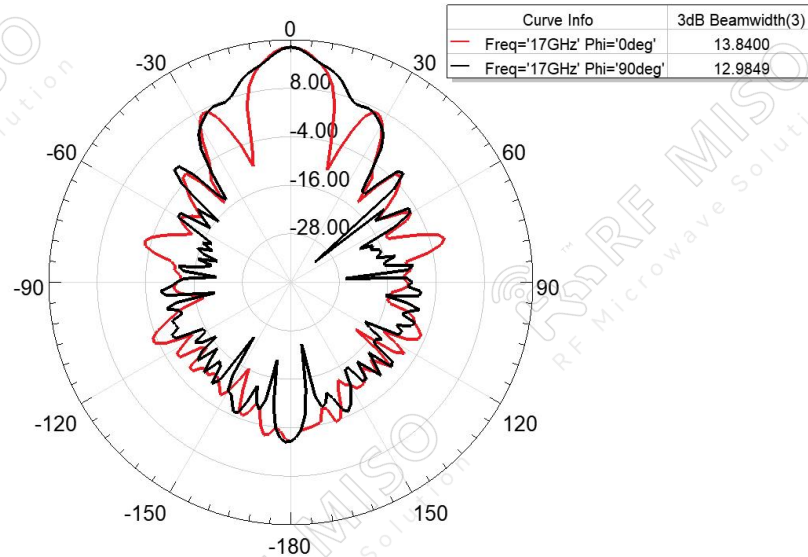


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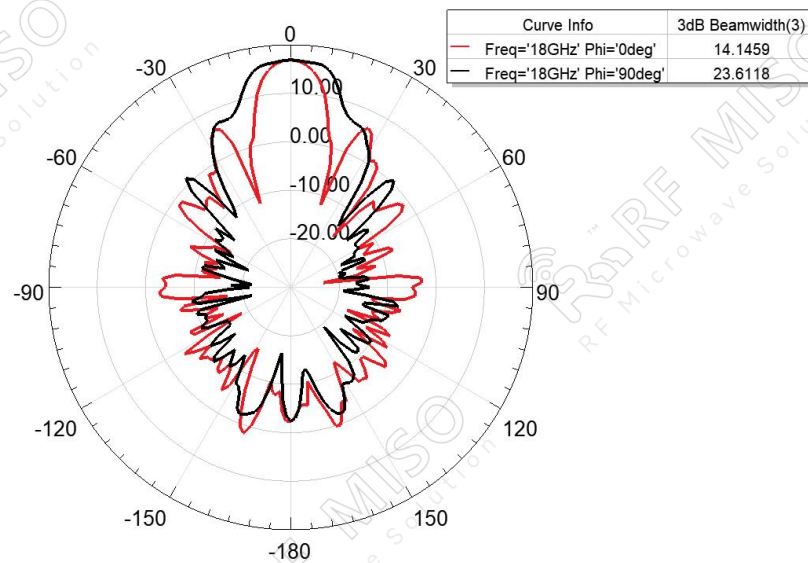
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17GHz



18GHz

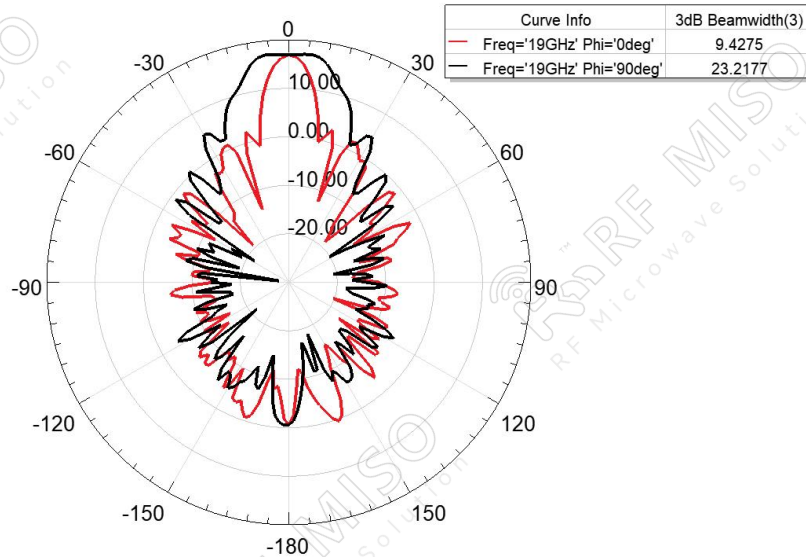


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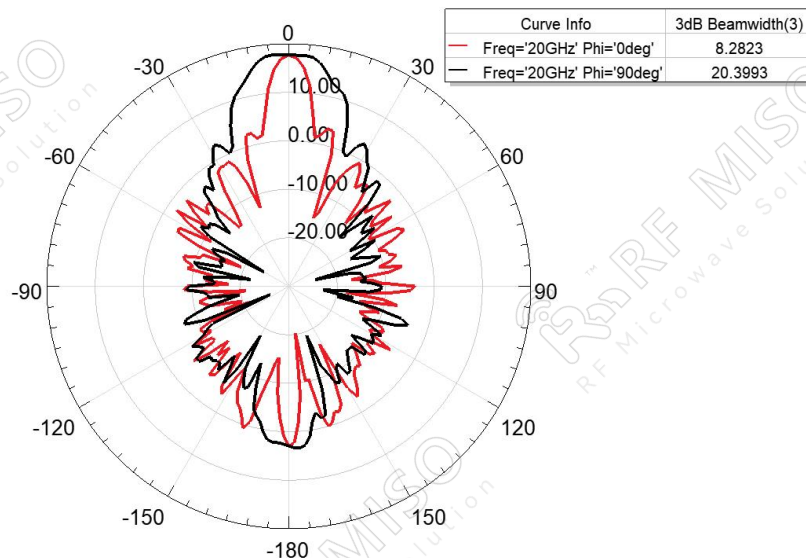
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19GHz



20GHz



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21GHz

