

*Broadband Horn Antenna  
12 dBi Typ. Gain, 1-40 GHz Frequency Range*

## Broadband Horn Antenna Data Sheet

**RM-BDHA140-12**

### Features

- Ideal for Antenna Measurement
- Low VSWR
- Broadband Operation
- Linear Polarized

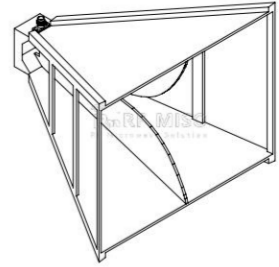
### Descriptions

RF MISO's **Model RM-BDHA140-12** is a linear polarized broadband horn antenna that operates from 1 to 40 GHz. The antenna offers a typical gain of 12 dBi and low VSWR <2 with 2.92-Female connector. The antenna is used for long time trouble-free applications in indoor and outdoor environments. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other applications.

### Specifications

RM-BDHA140-12		
Parameters	Typical	Units
Frequency Range	1-40	GHz
Gain	12 Typ.	dBi
VSWR	<2	
Polarization	Linear	
Connector	2.92-Female	
Treatment	Paint	
Size(L*W*H)	168.5*185.5*144.6(±5)	mm
Weight	0.334	Kg
Material	Al	

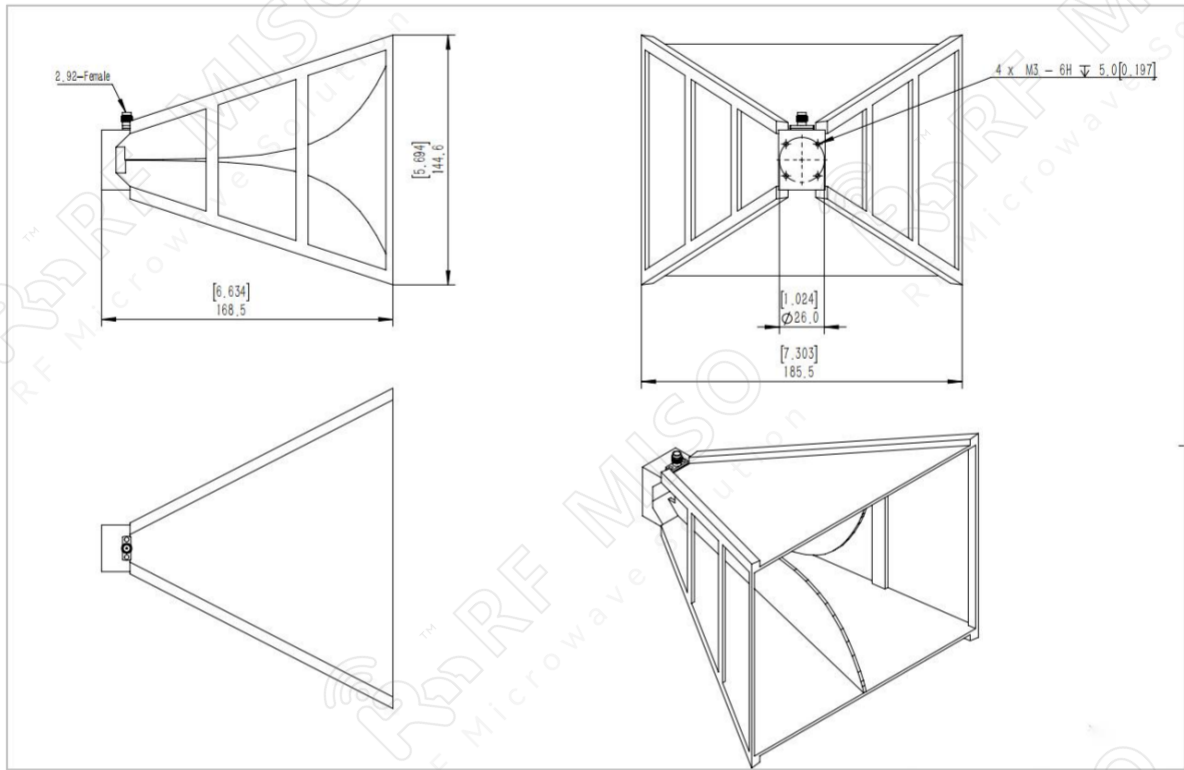
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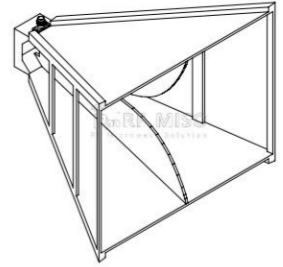


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**Mechanical Drawing**





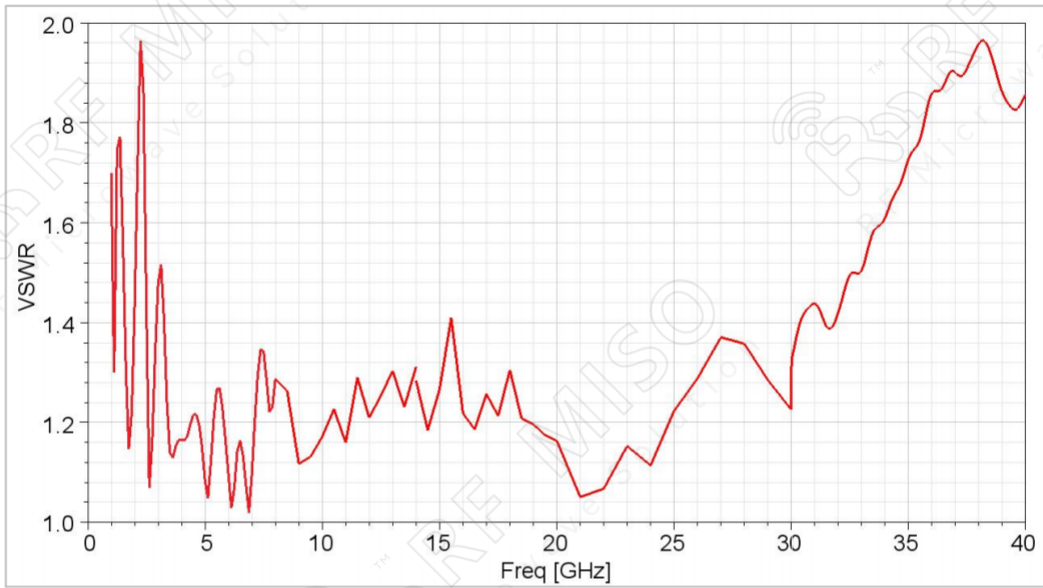
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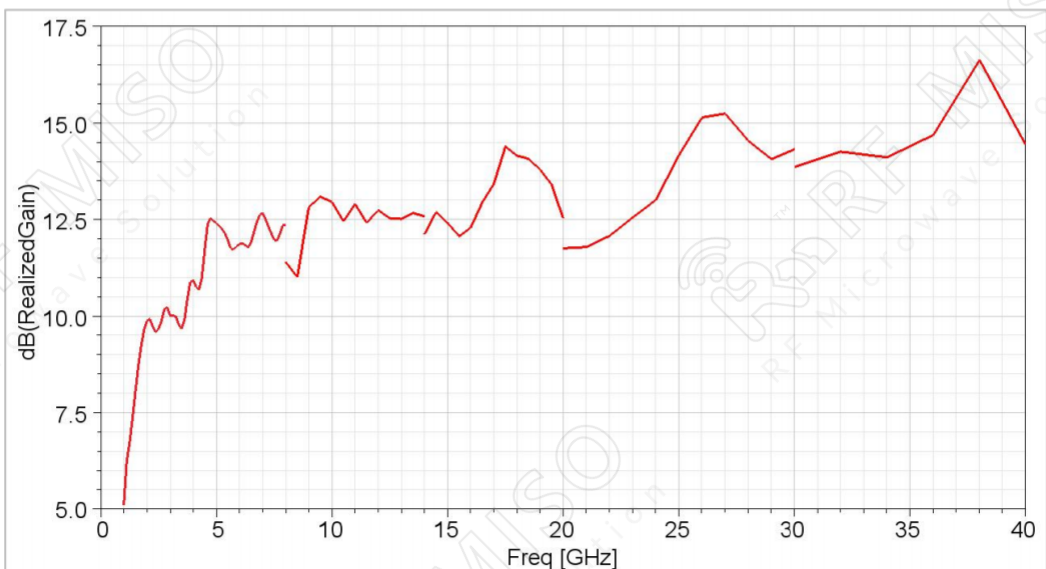
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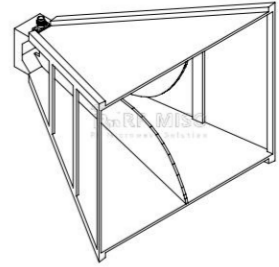
**Simulation Result**

VSWR



Gain



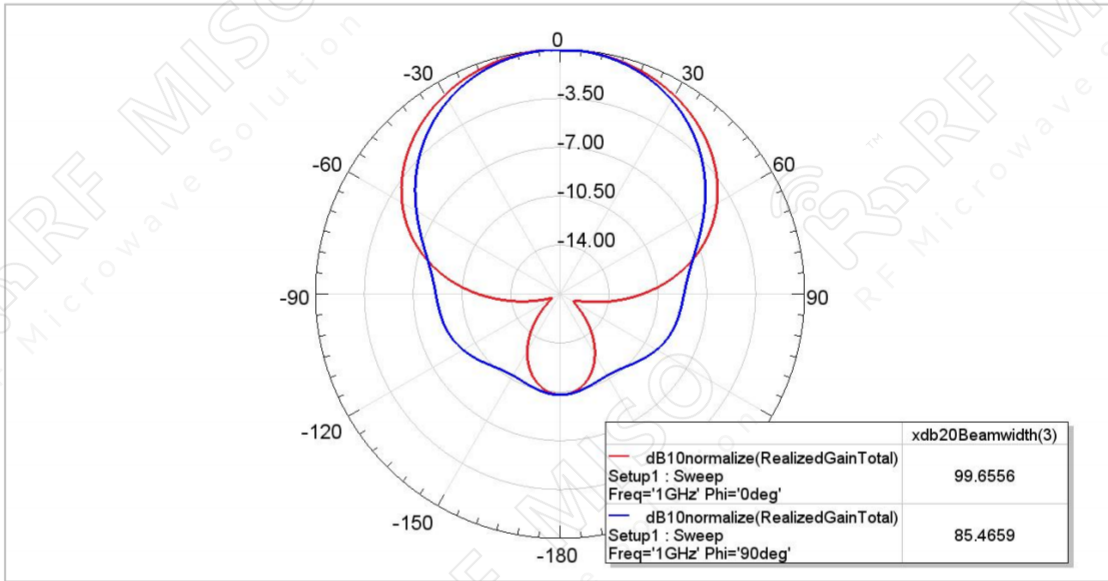


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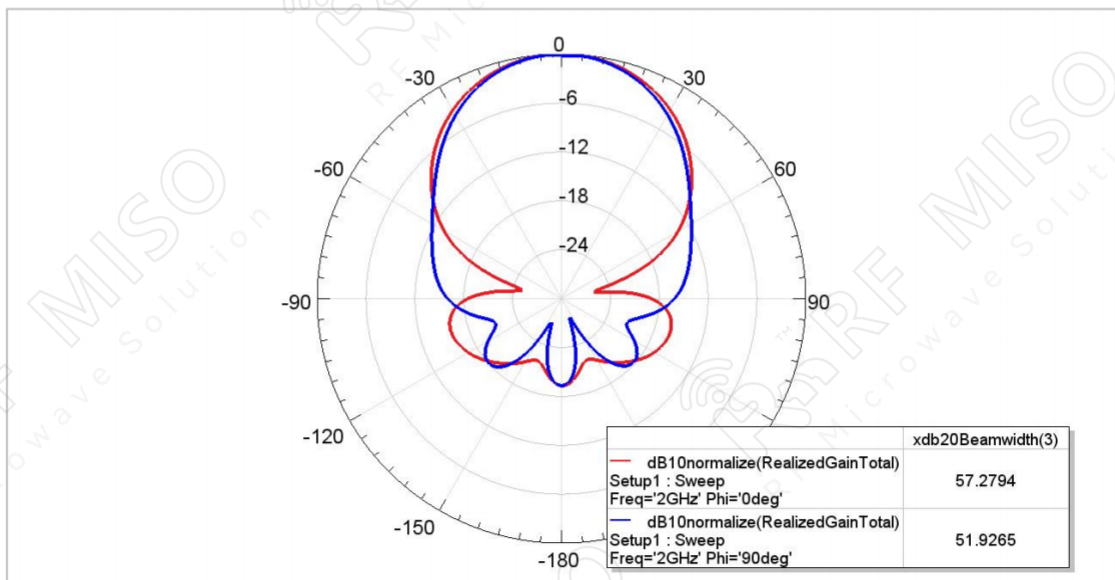
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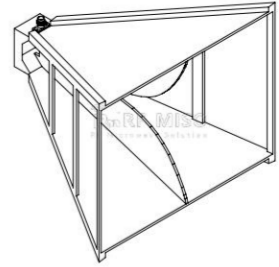
Gain Pattern



1 GHz



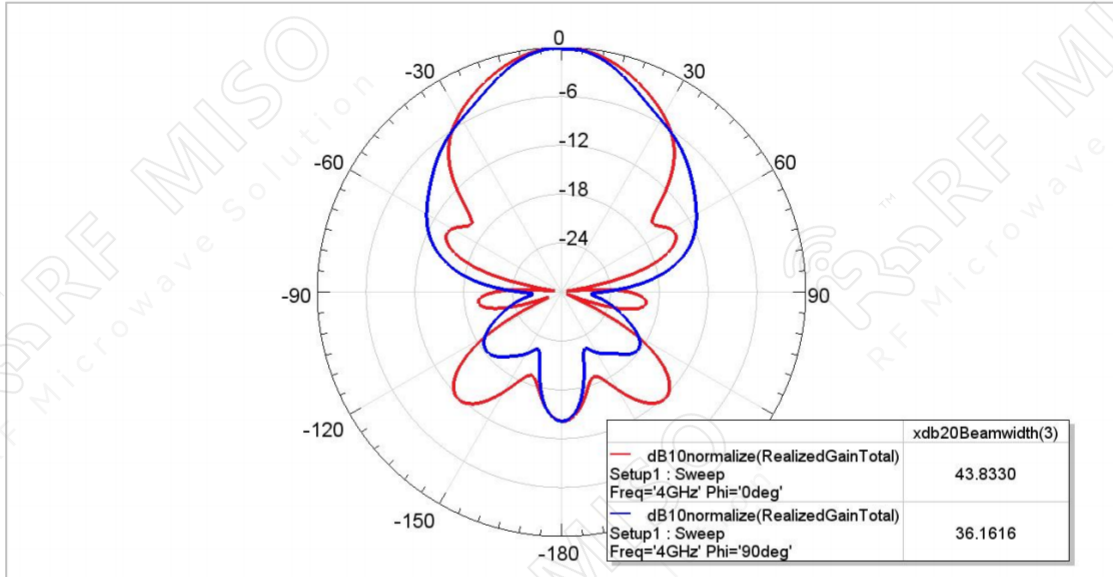
2 GHz



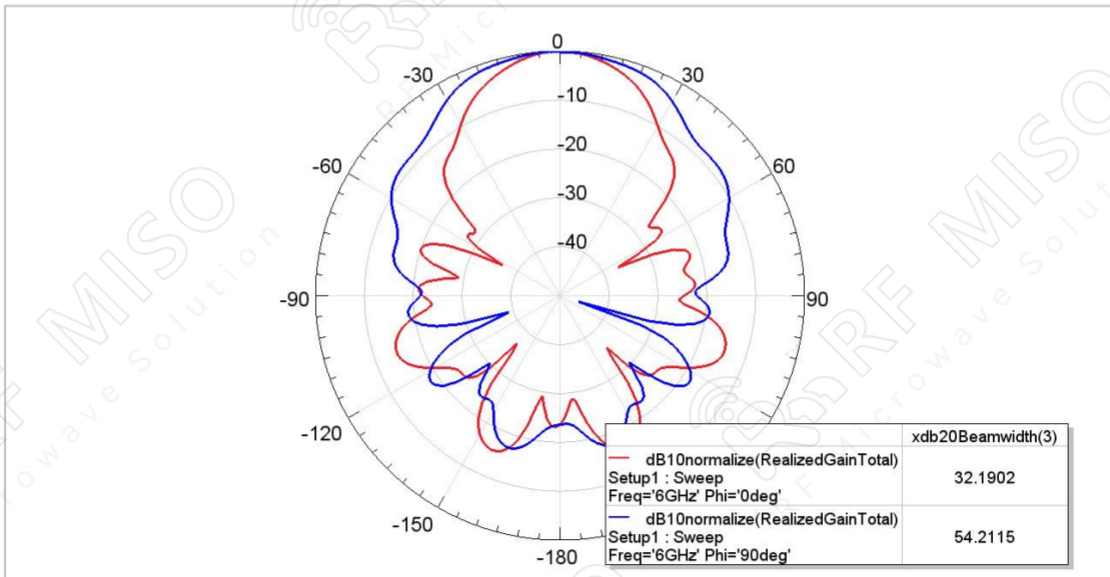
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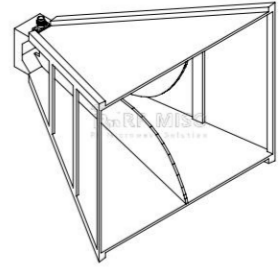


4 GHz



6 GHz

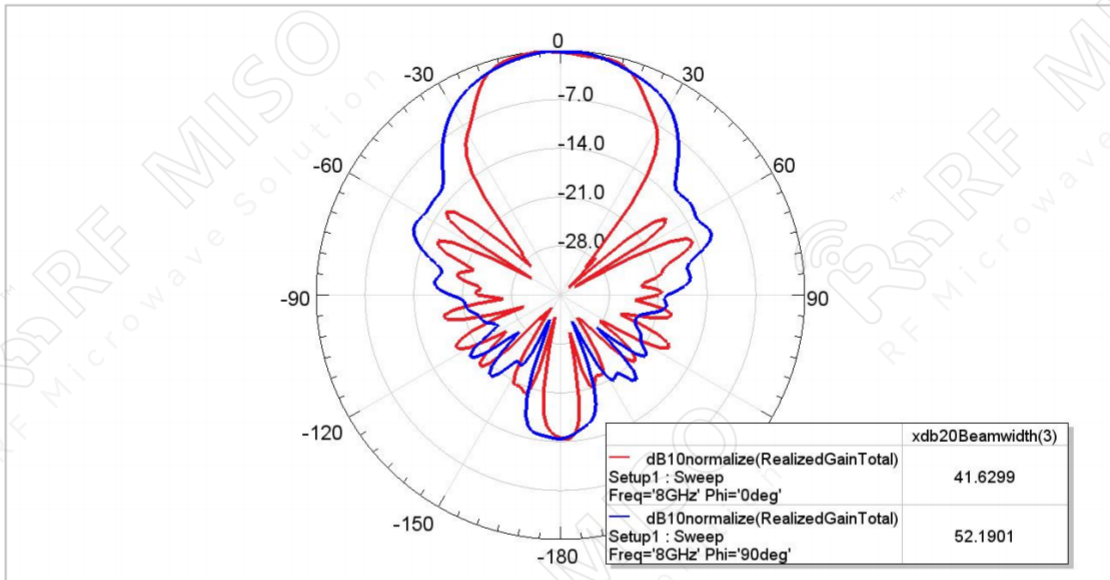




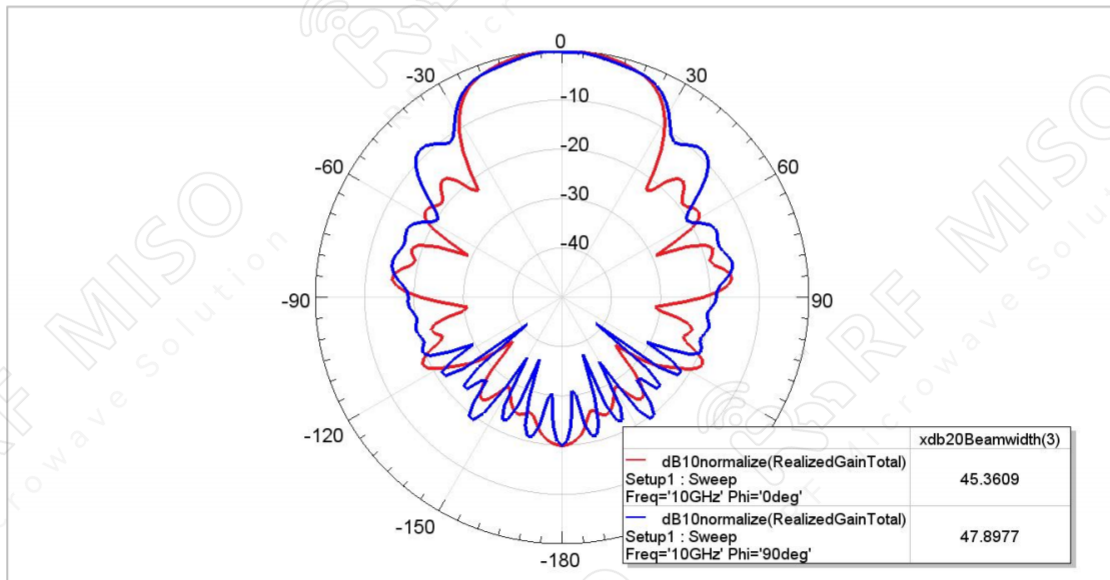
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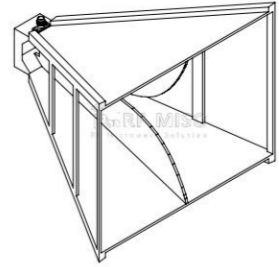
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8 GHz



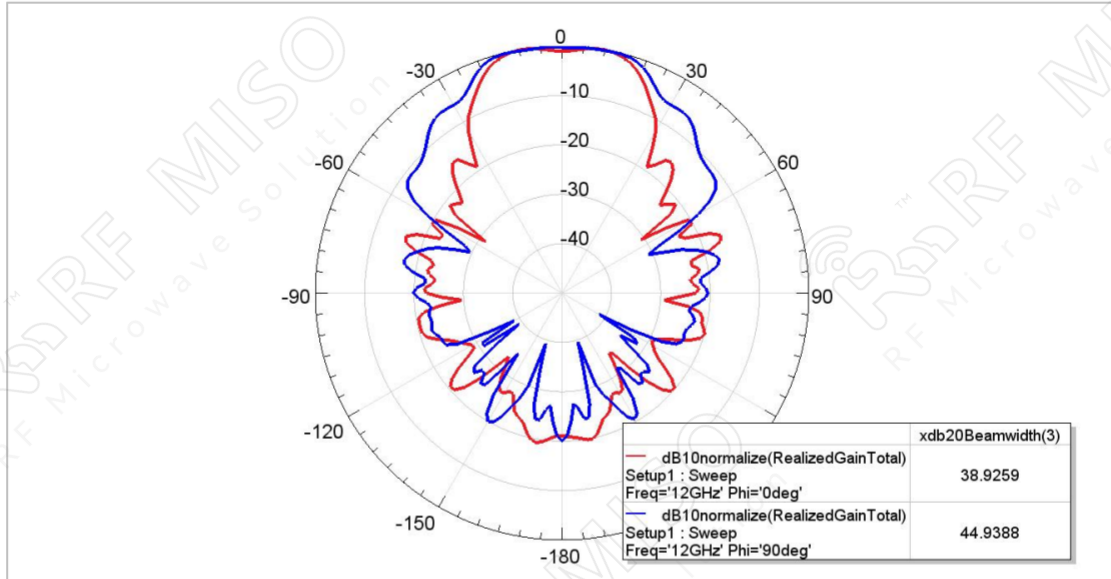
10 GHz



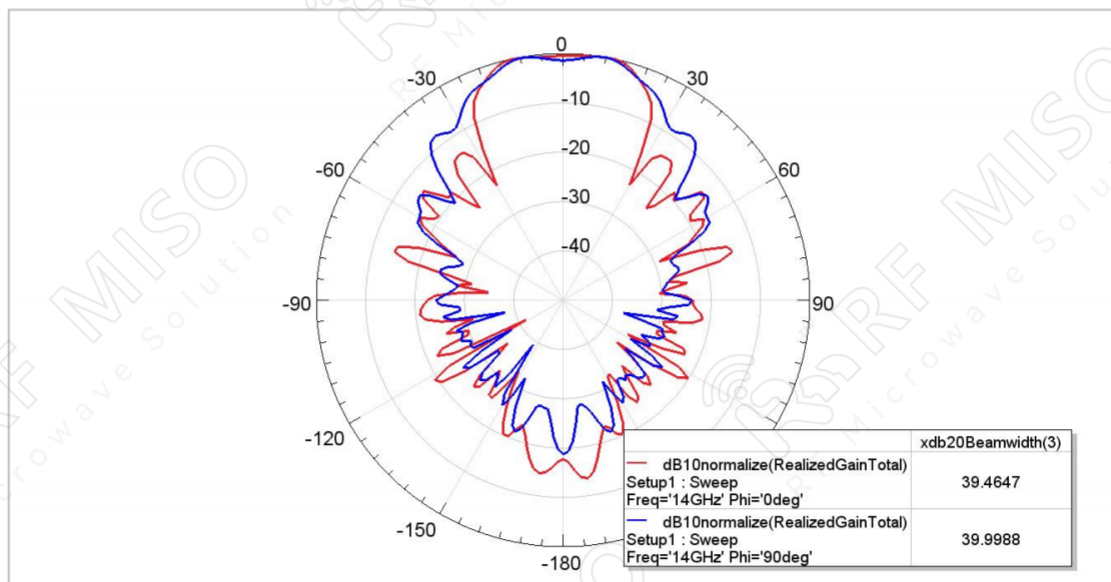
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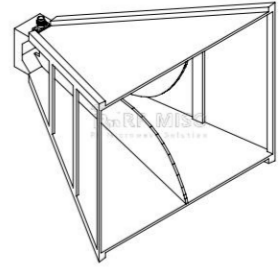
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12 GHz



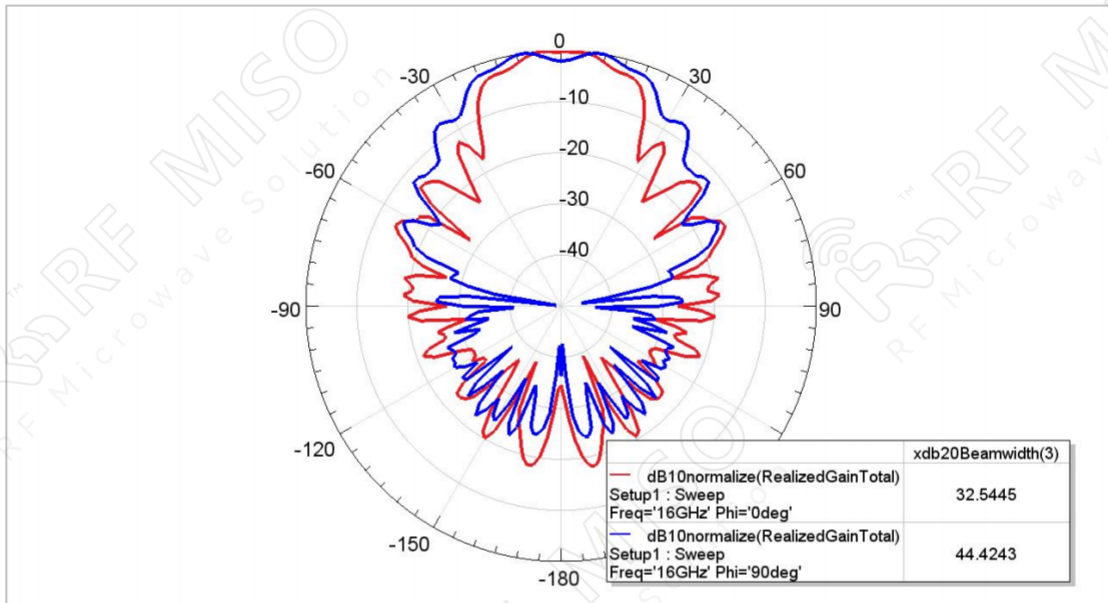
14 GHz



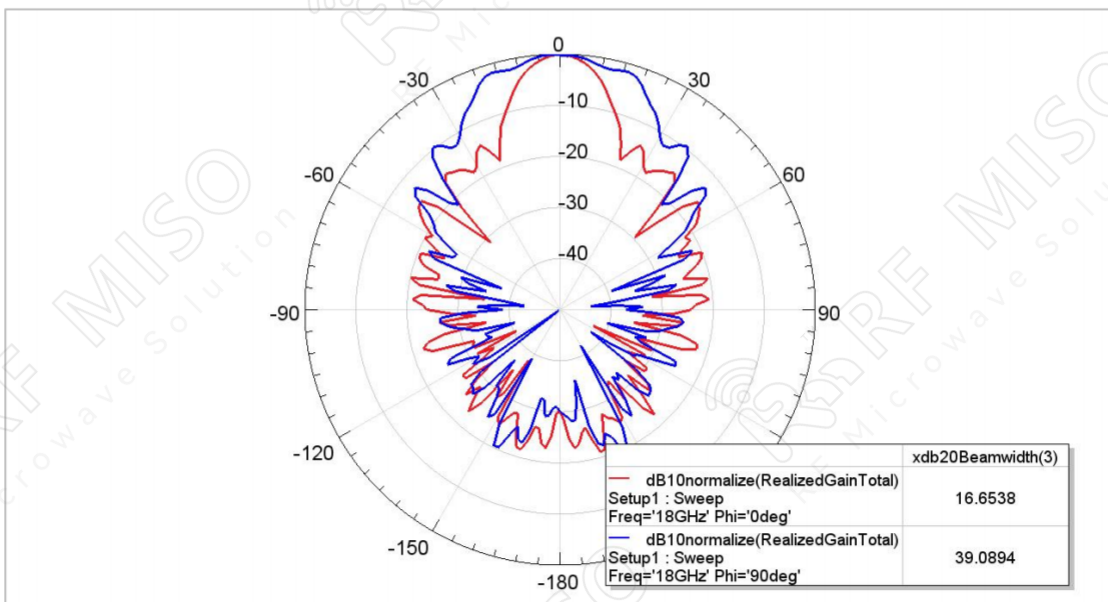
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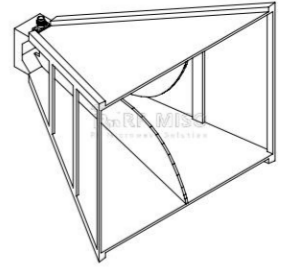


16 GHz



18 GHz

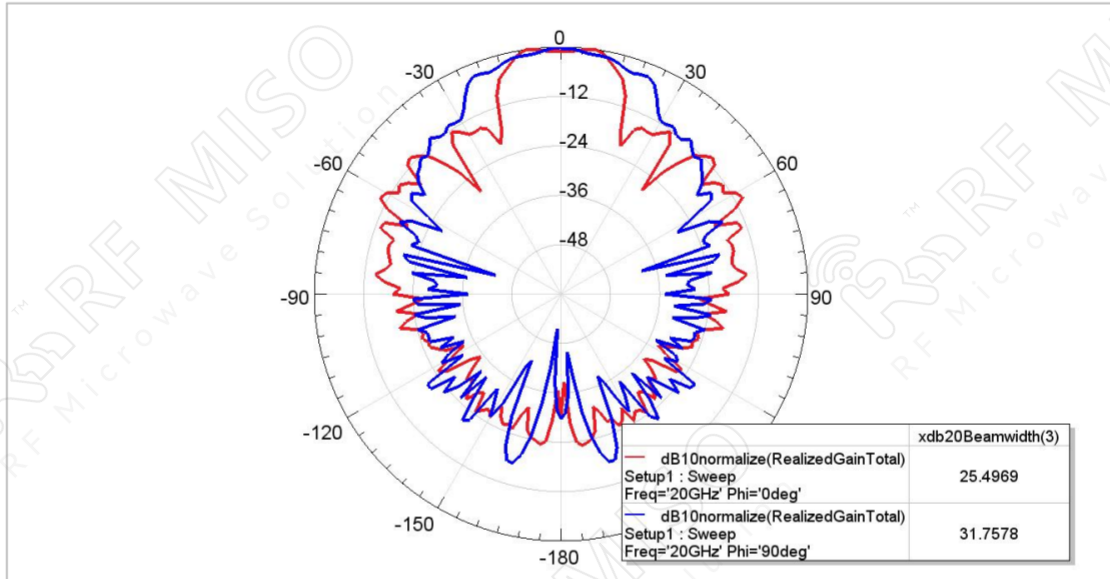




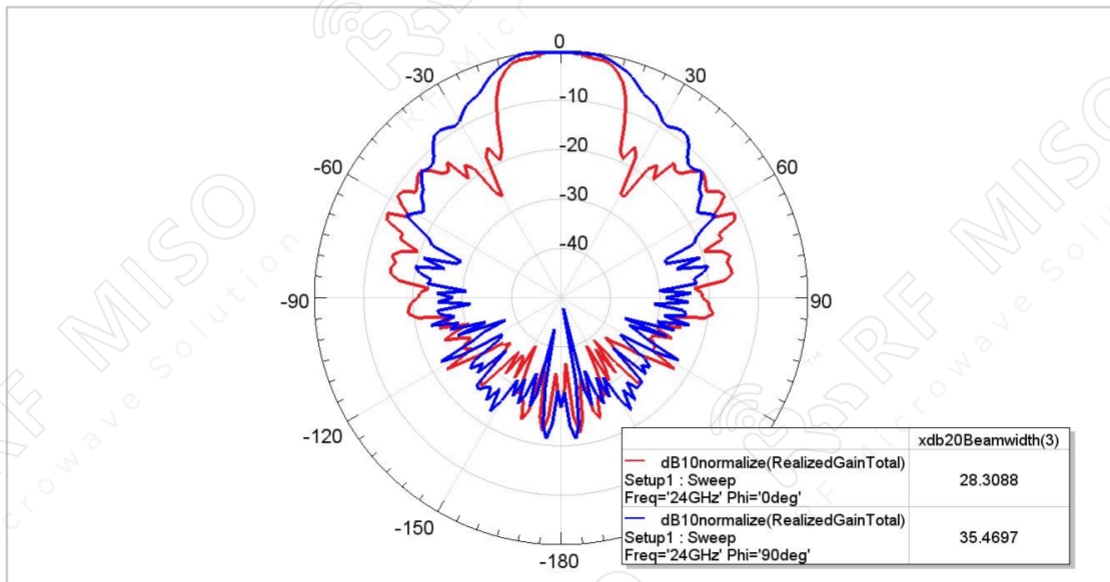
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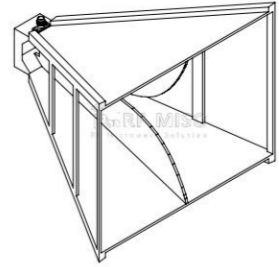
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20 GHz



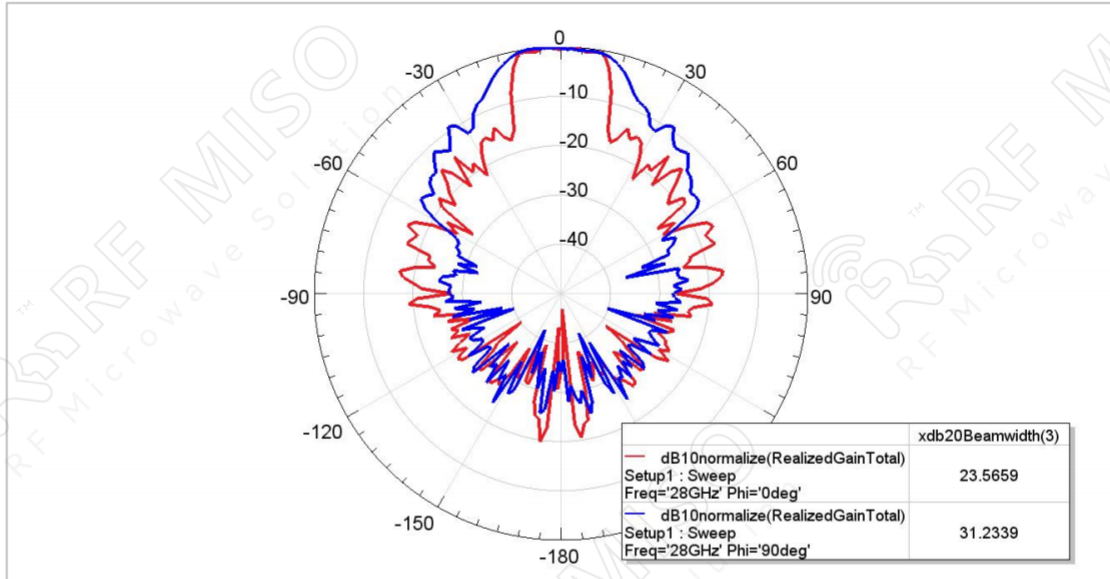
24 GHz



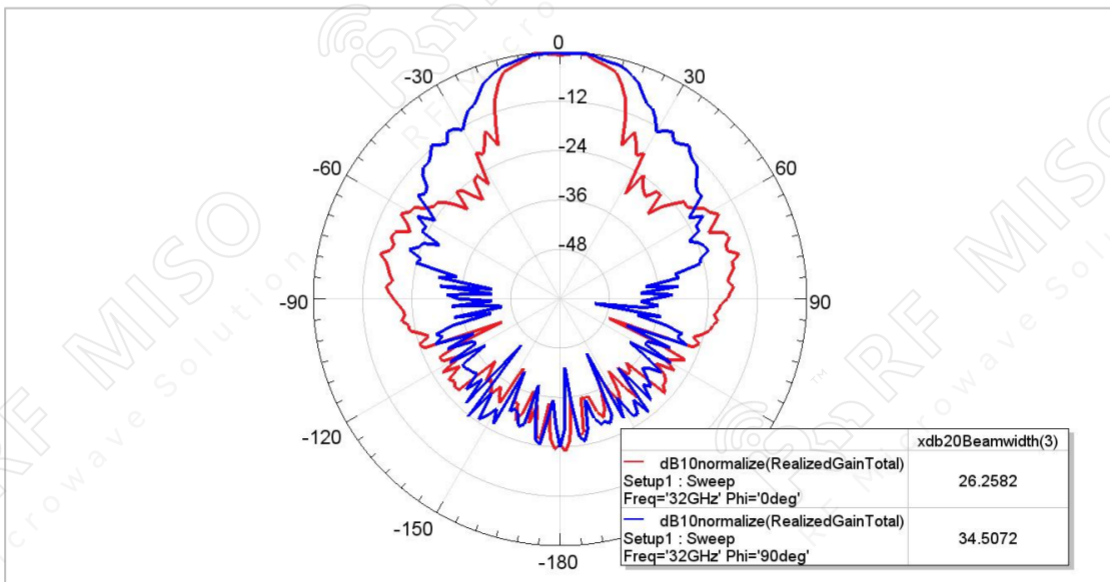
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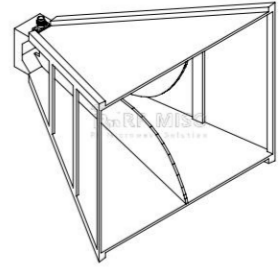
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28 GHz



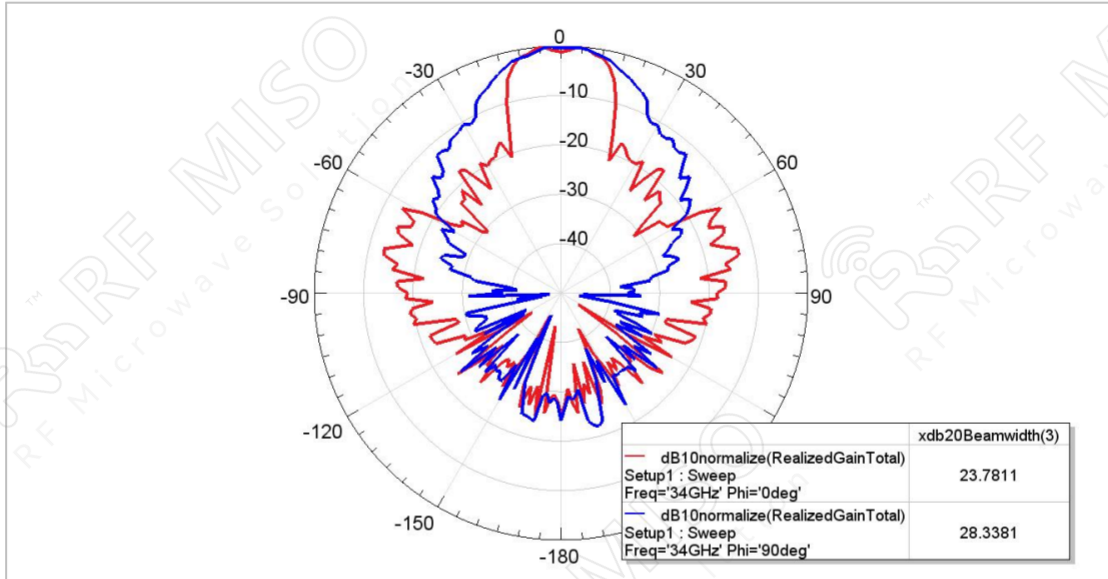
32 GHz



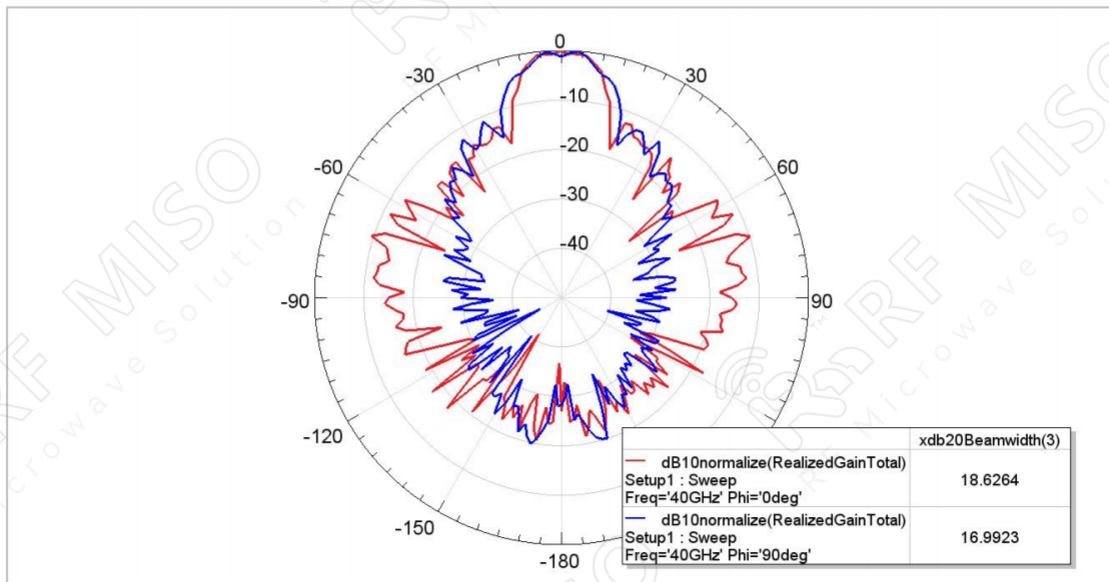
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34 GHz



40 GHz