

*Conical Dual Polarized Horn Antenna
 15 Typ. Gain, 2-18 GHz Frequency Range*



Conical Dual Polarized Horn Antenna Data Sheet

RM-CDPHA218-15

Features

- Broadband Operation
- Dual Polarization
- Moderate Gain
- Communication Systems
- Radar Systems
- System Setups

Descriptions

RF MISO's **Model RM-CDPHA218-15** is a dual polarized horn antenna that operates from 2 to 18 GHz. The antenna offers a typical gain of 15 dBi and low VSWR 1.5:1 with SMA-F connector. It has linear polarization and is ideally applied for communication systems, radar systems, antenna ranges and system setups.

Specifications

RM-CDPHA218-15		
Parameters	Typical	Units
Frequency Range	2-18	GHz
Gain	8-24	dBi
VSWR	≤2.5	
Polarization	Dual Linear	
Cross Pol. Isolation	≥20	dB
Port Isolation	40	dB
3dB beam width	E Plane: 7~ 58 H Plane: 11~ 48	°
Connector	SMA-F	
Surface Treatment	Paint	
Size (L*W*H)	276*147*147(±5)	mm
Weight	0.945	kg
Material	Al	
Operating Temperature	-40~+85	° C

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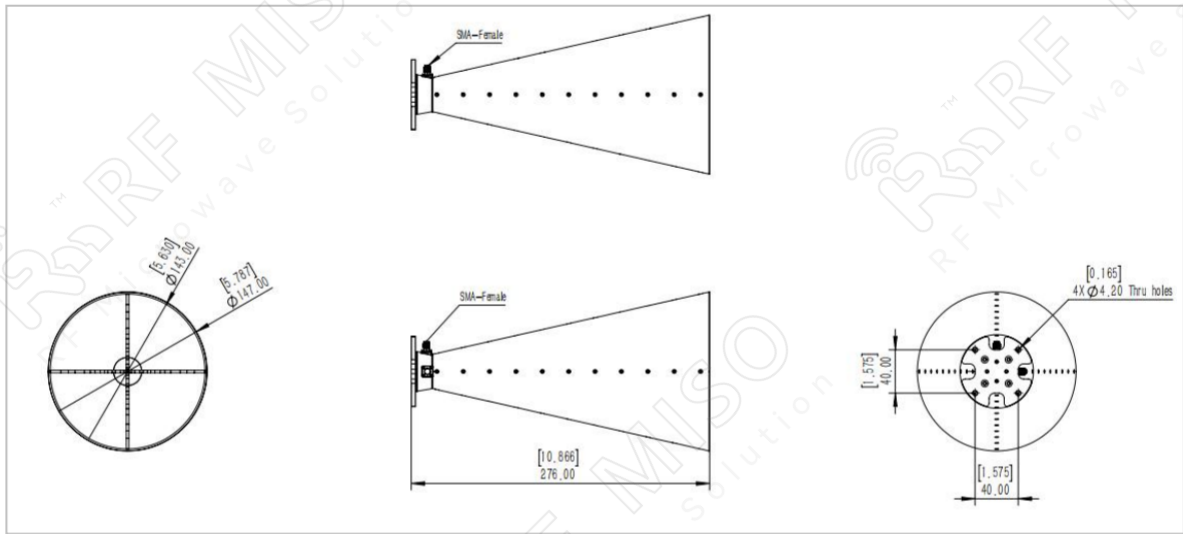


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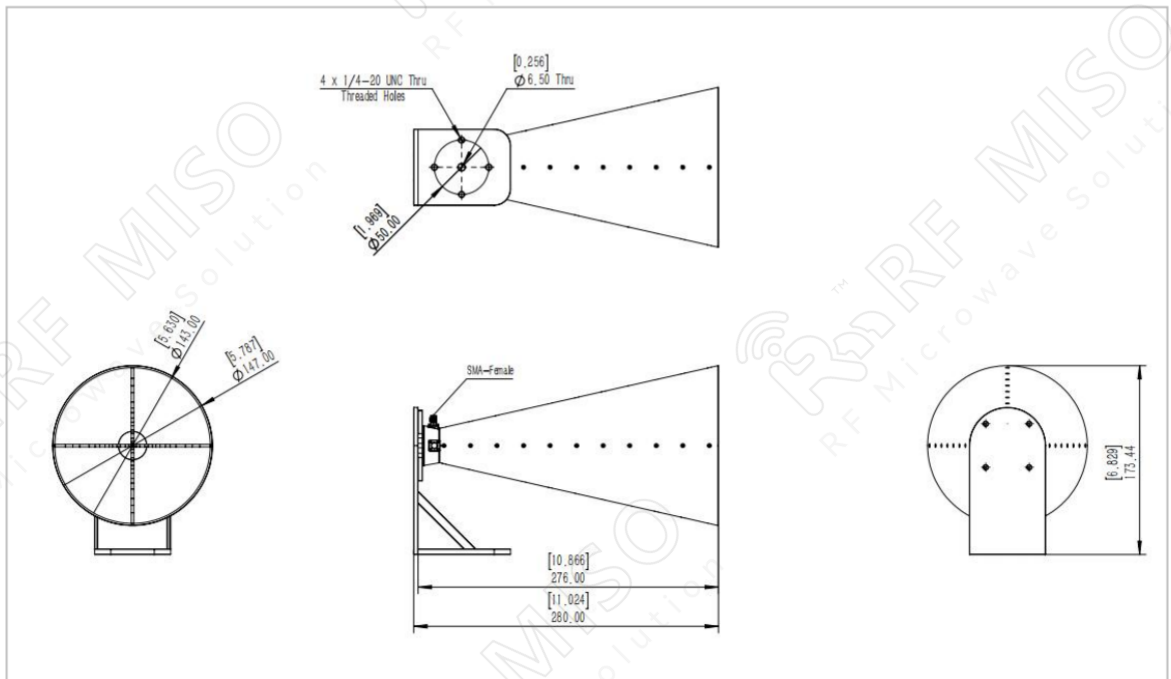
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Outline Drawing: (mm)

N-type connector is available, please contact RF Miso.



Outline Drawing with L-type Mounting Bracket (P/N: RM-CDPHA218-15L)



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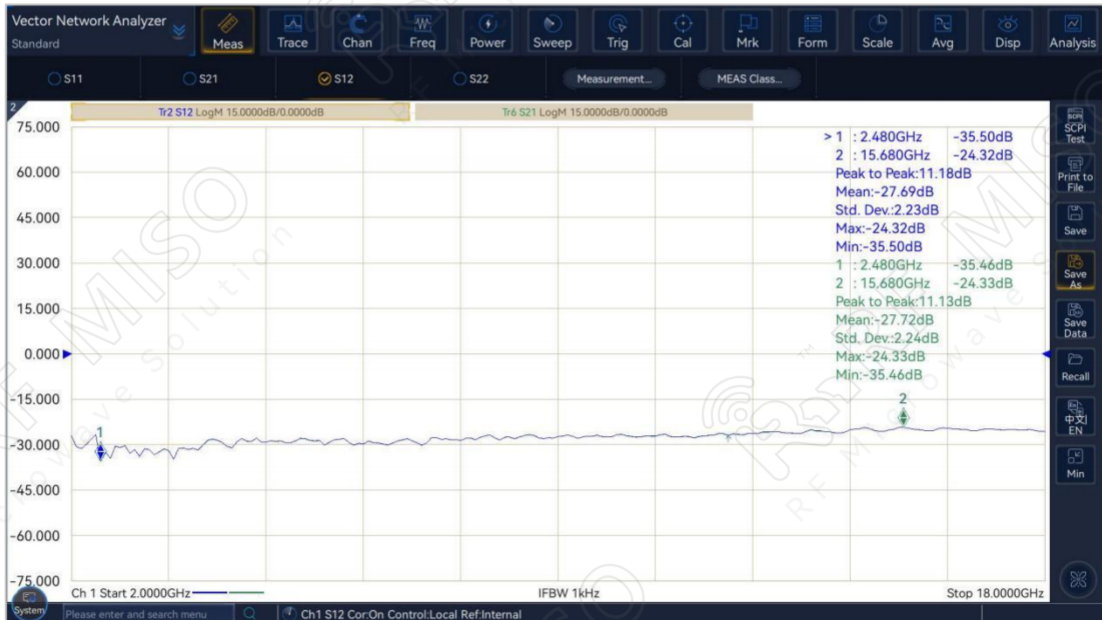
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VSWR



Port Isolation



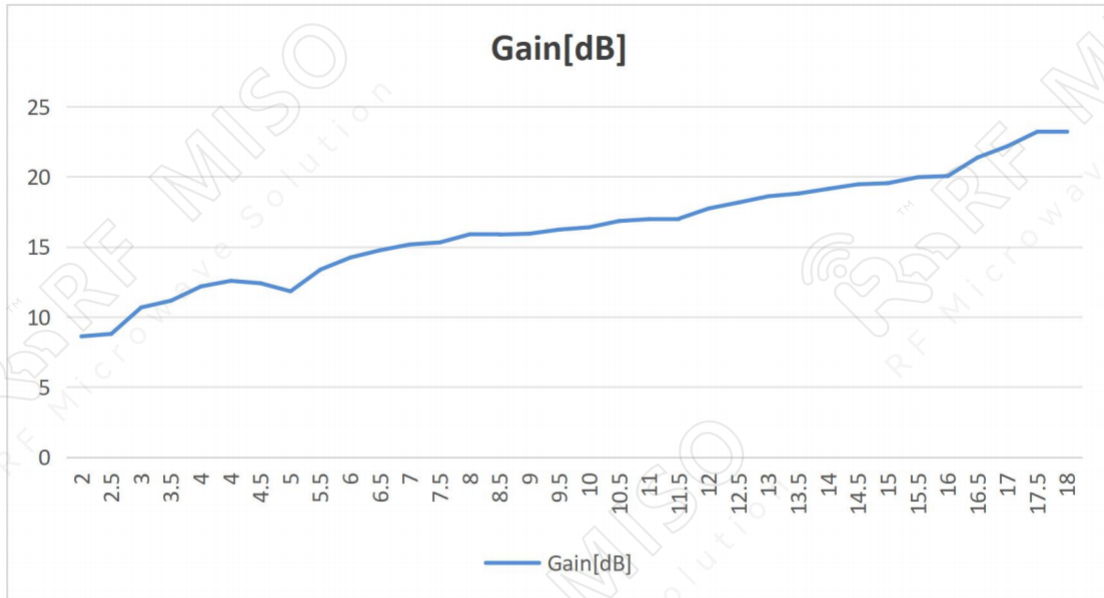
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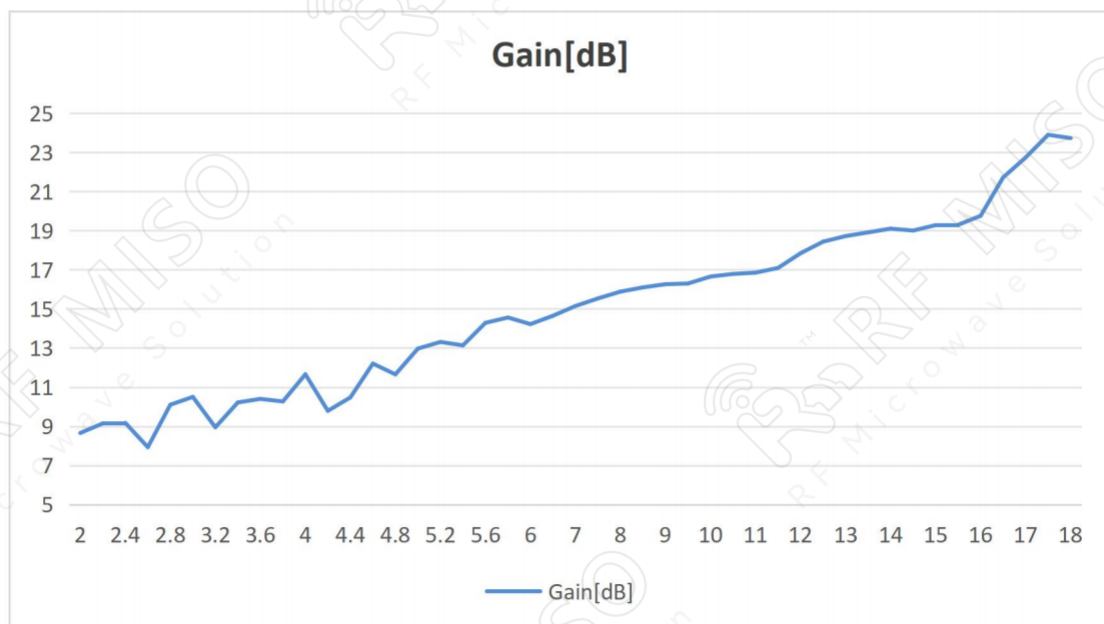
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Gain-port1



Gain-port2

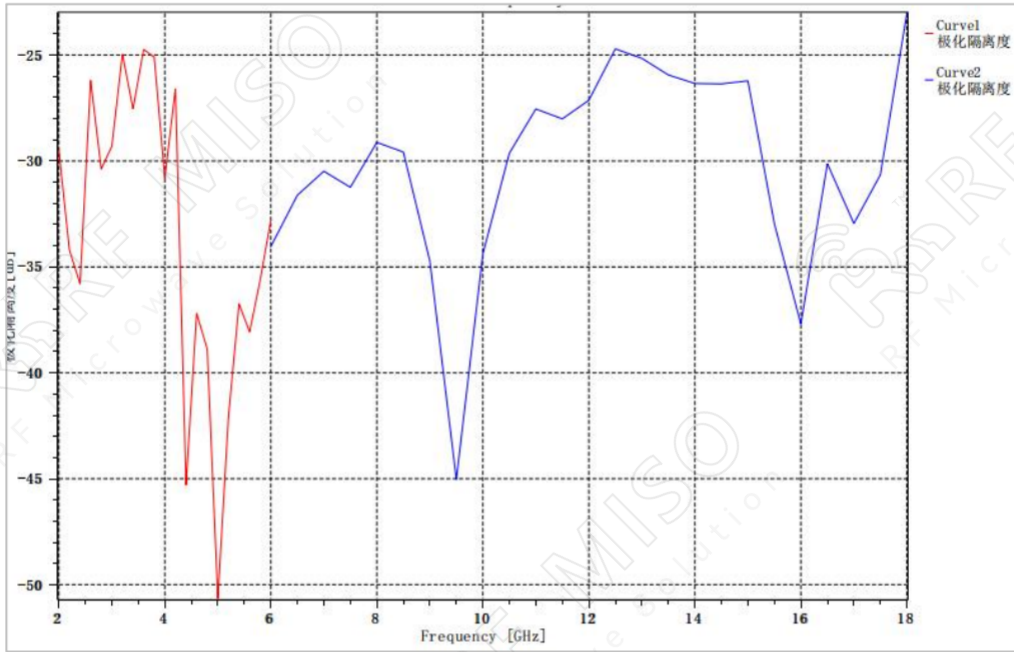




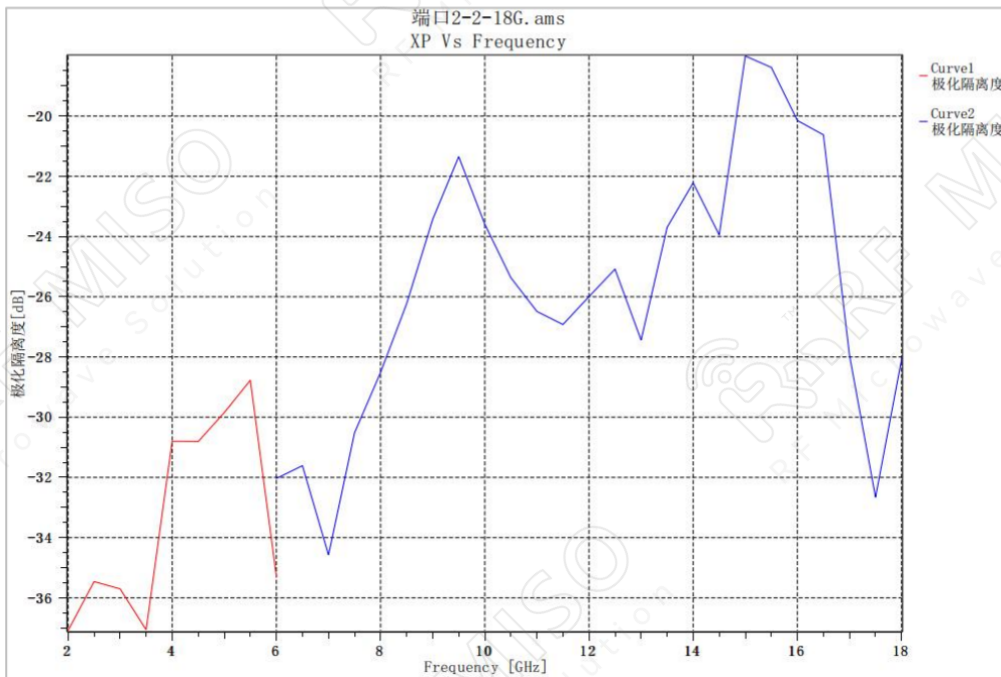
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Cross Pol. Polarization-port1



Cross Pol. Polarization-port2



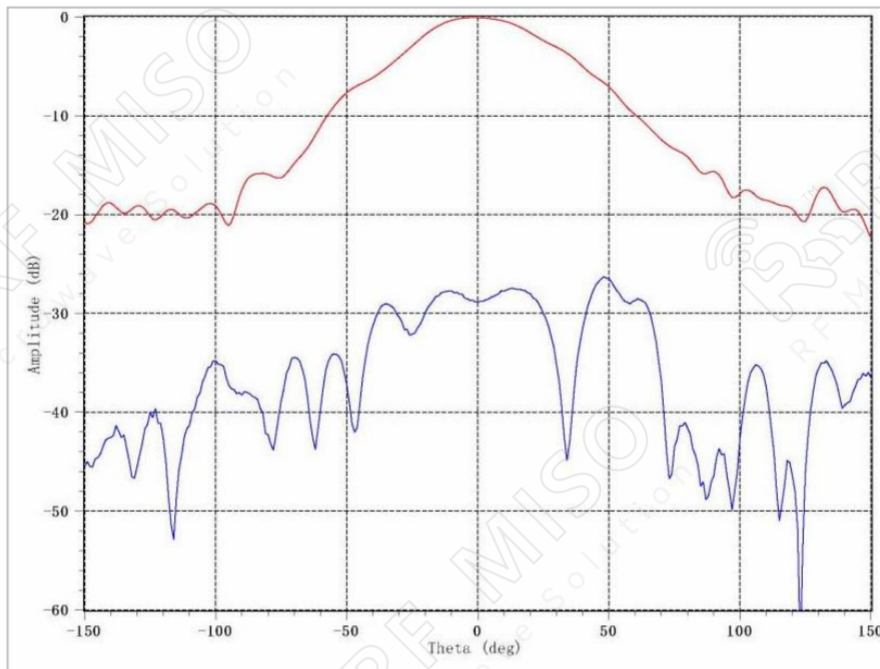
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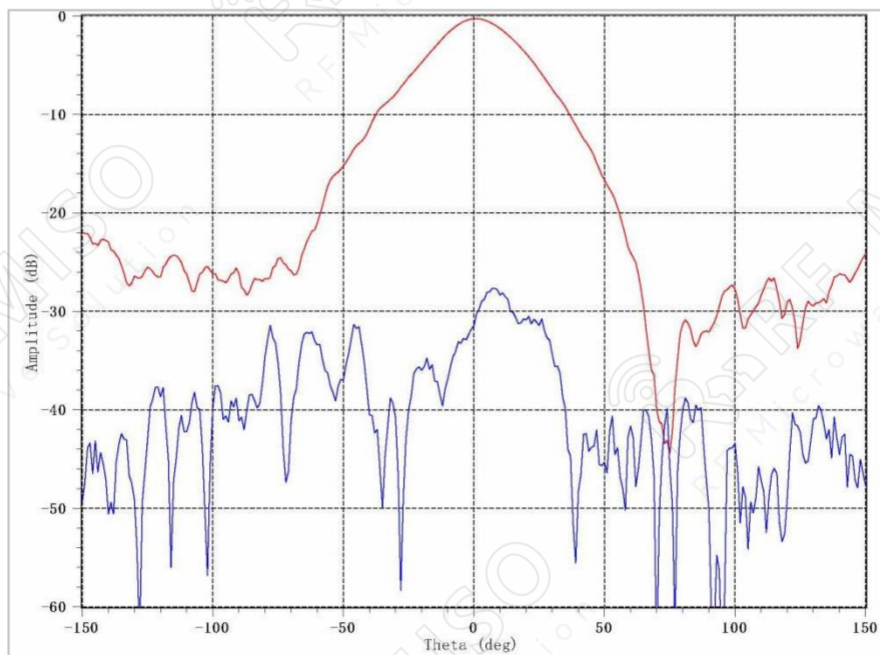
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Radiation pattern- port 1



2GHz



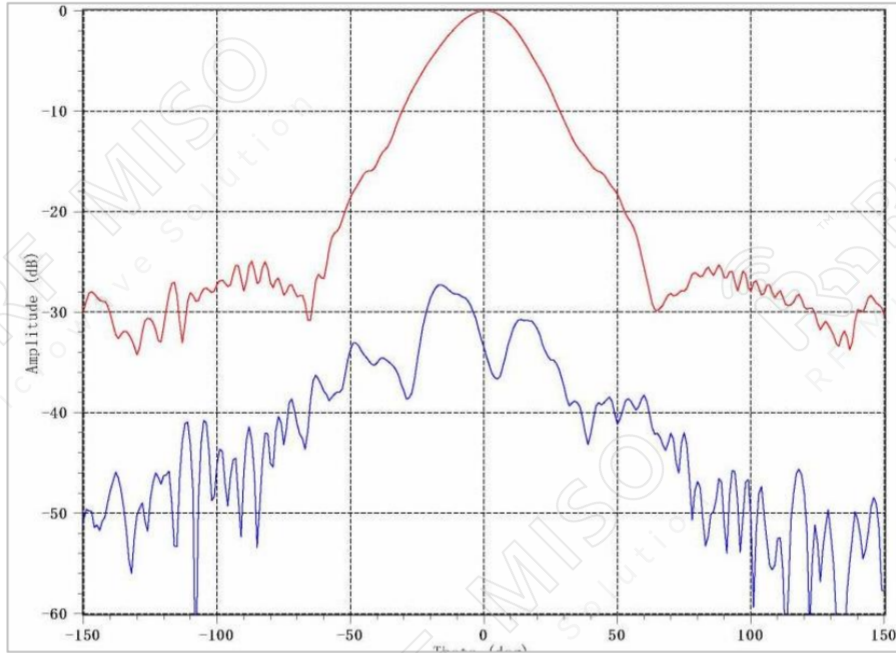
4GHz

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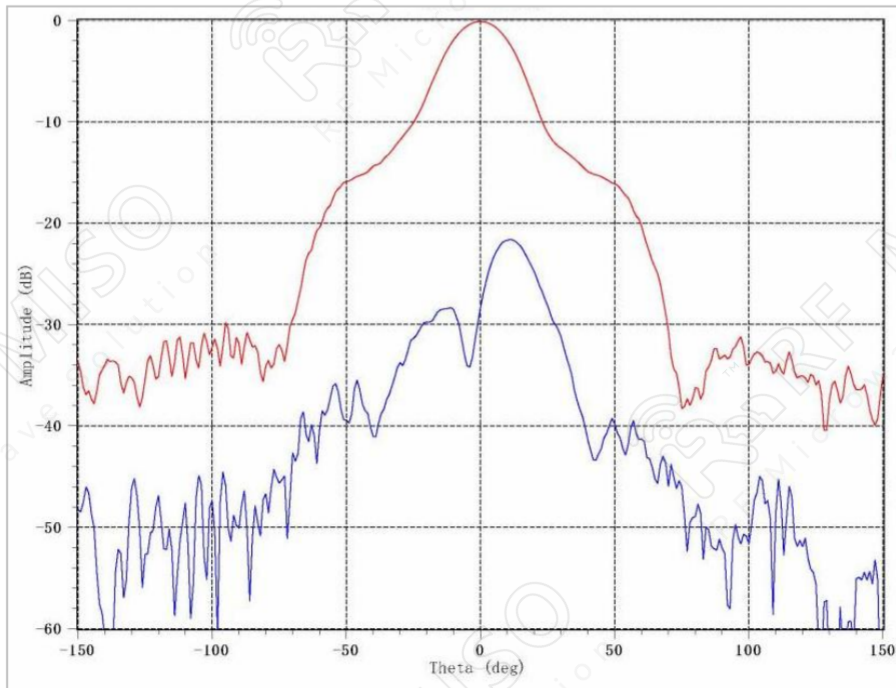


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6GHz



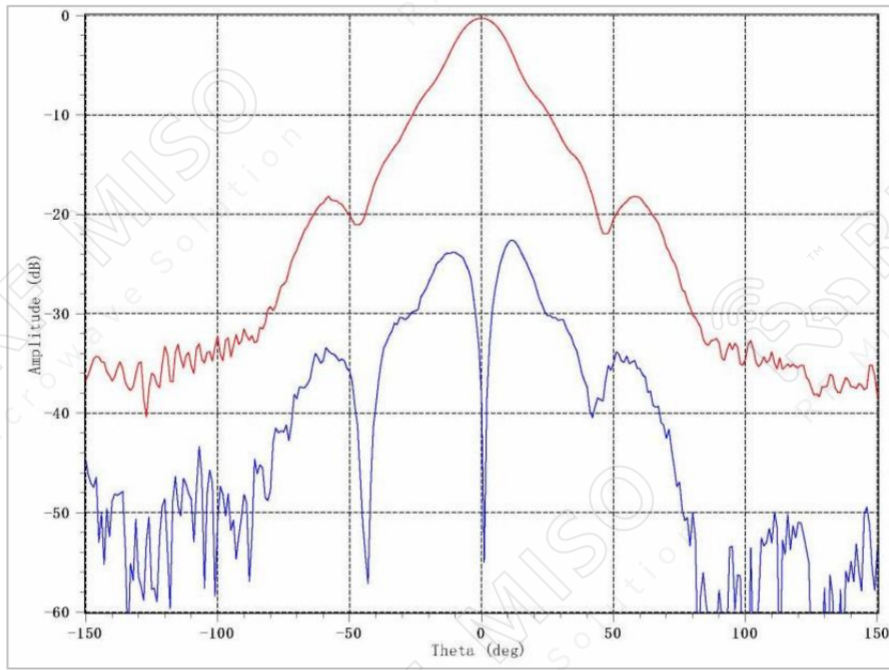
8GHz

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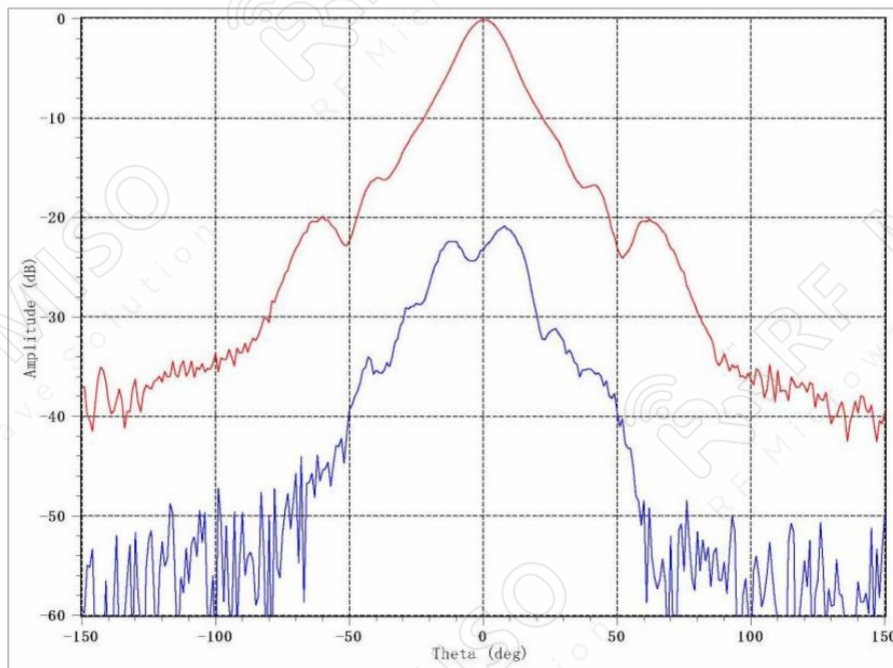


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10GHz



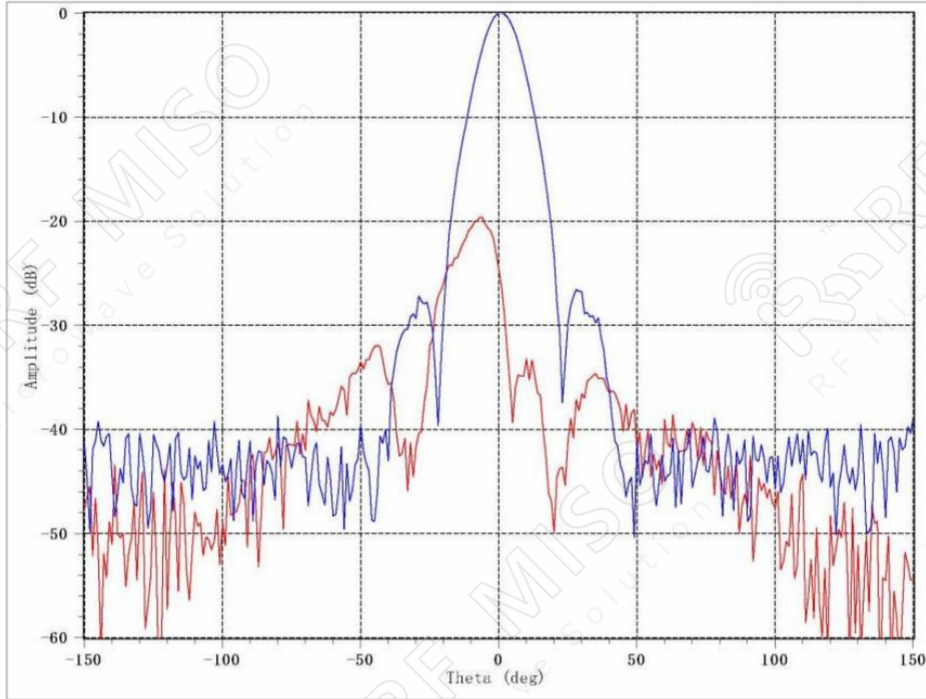
12GHz

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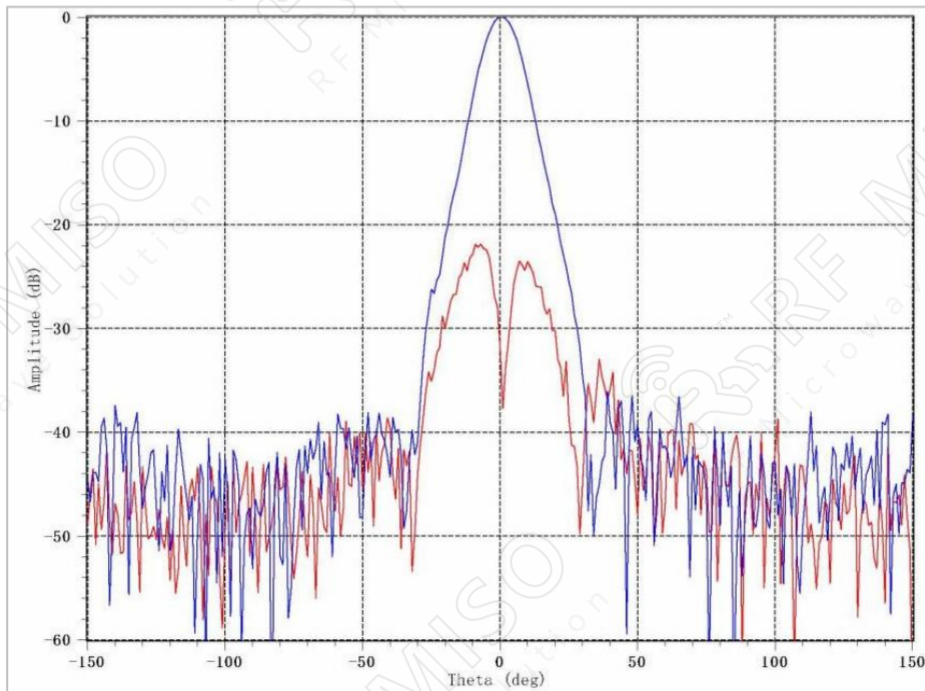


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14GHz



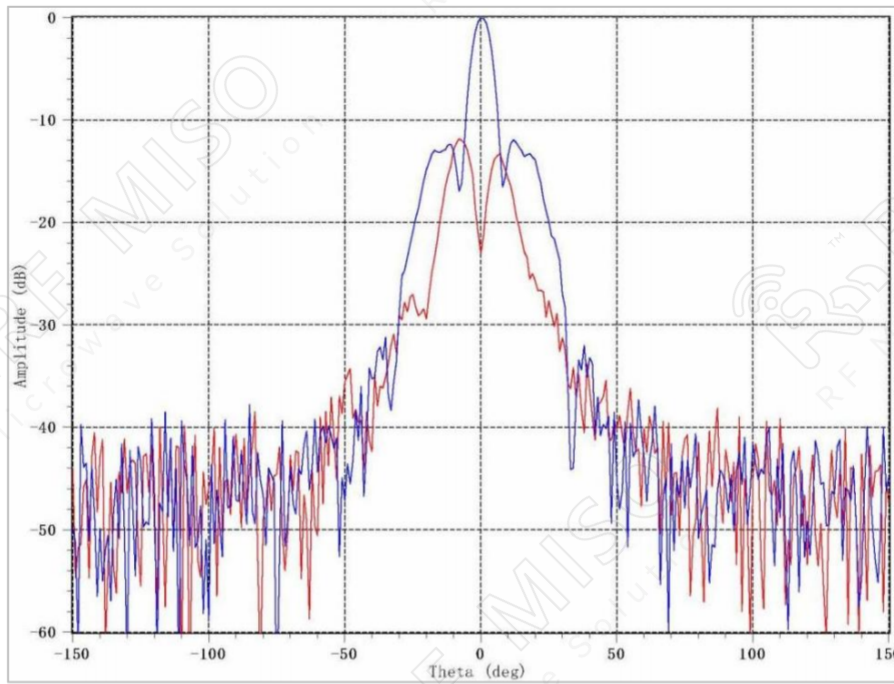
16GHz

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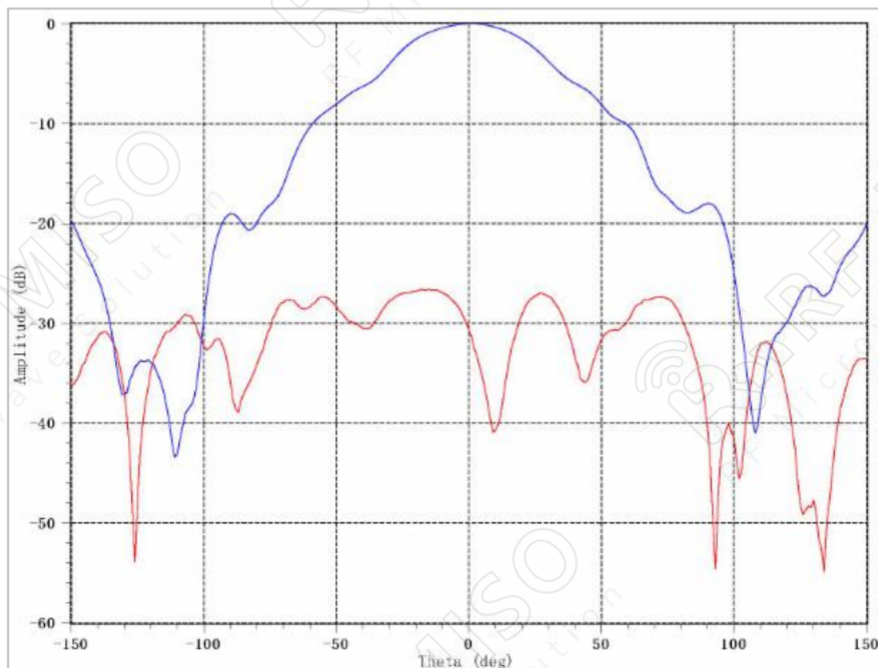
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18GHz

Radiation pattern- port 2



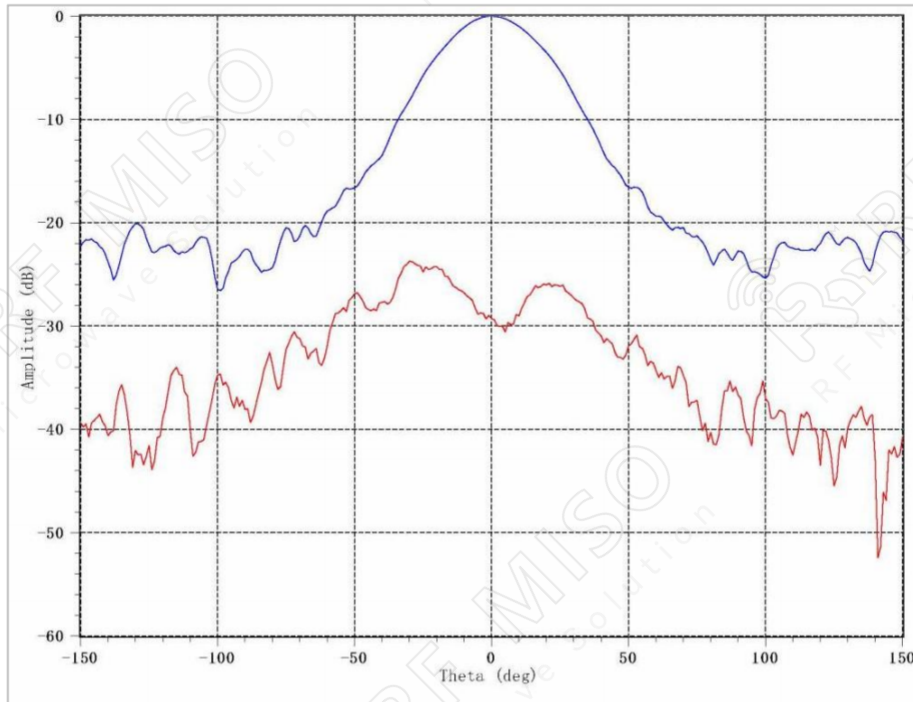
2GHz

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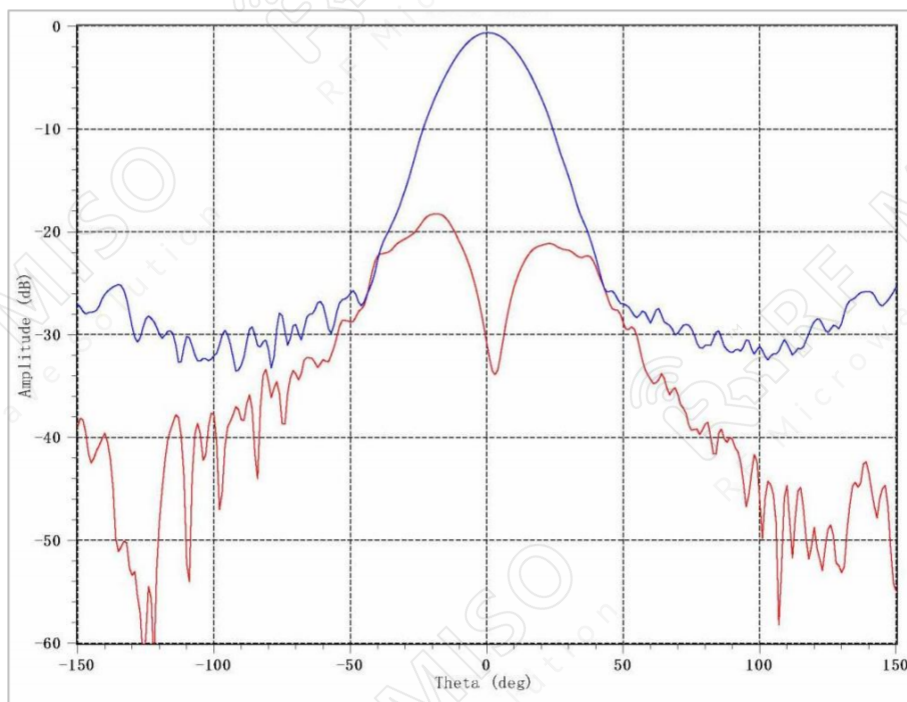


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4GHz



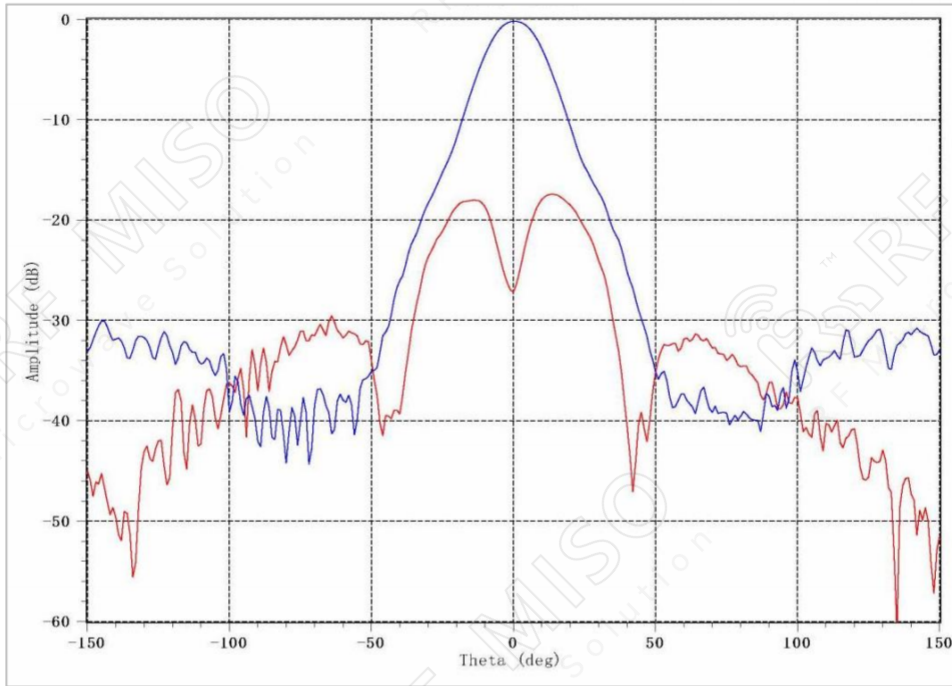
6GHz

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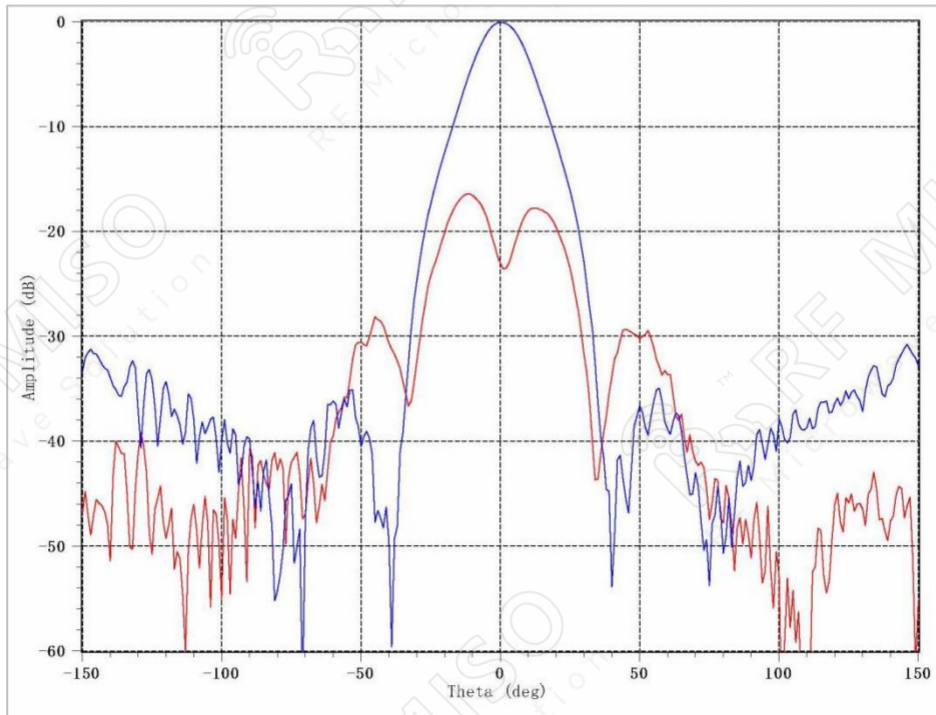


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8GHz



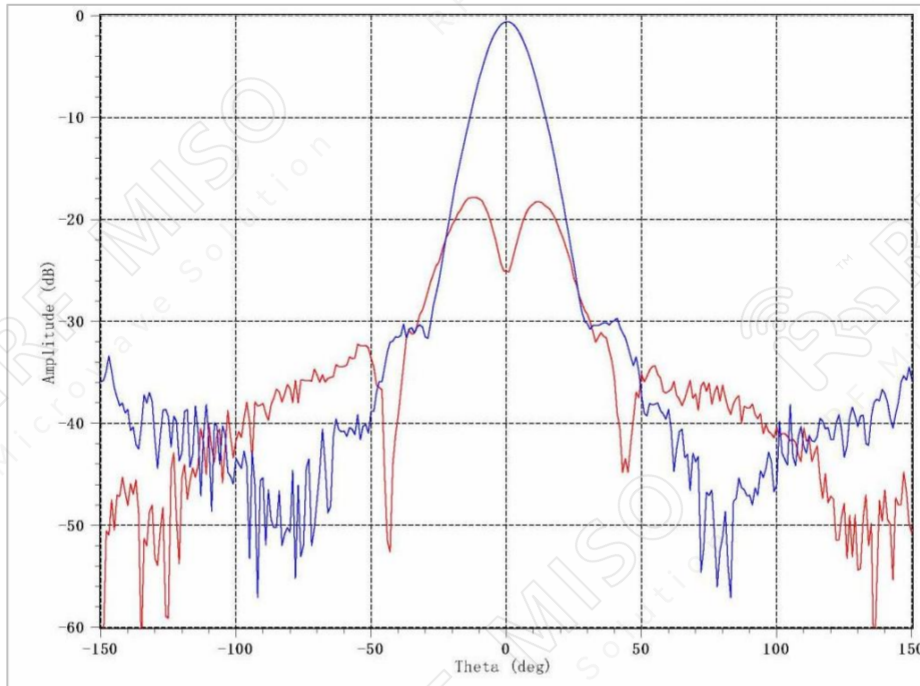
10GHz

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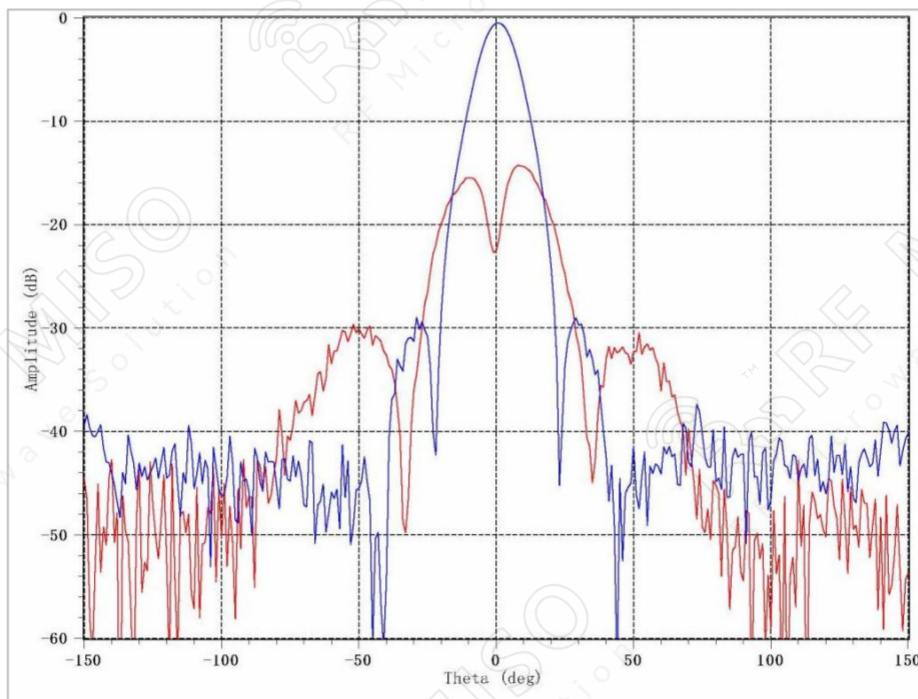


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12GHz



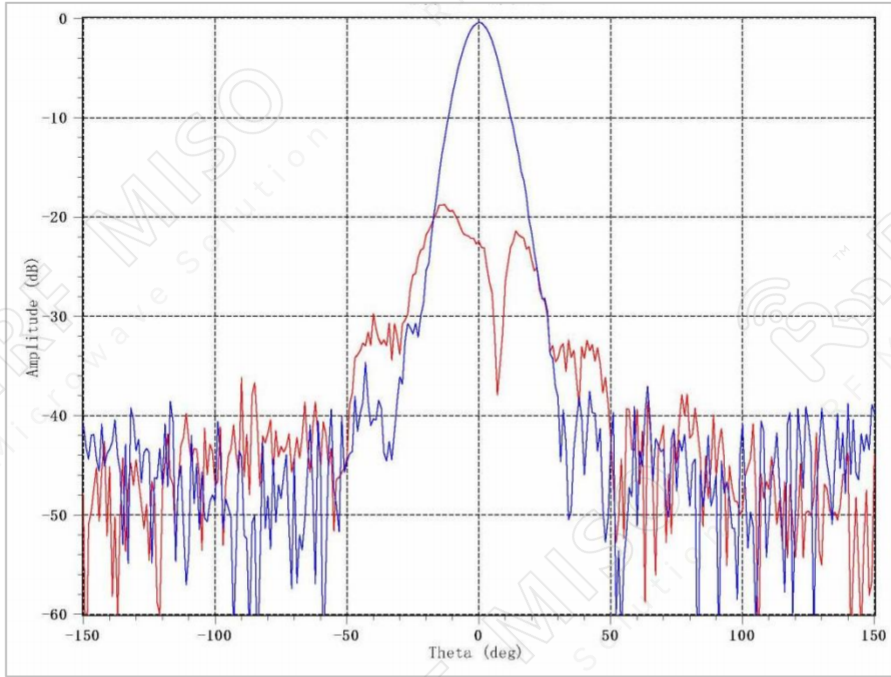
14GHz

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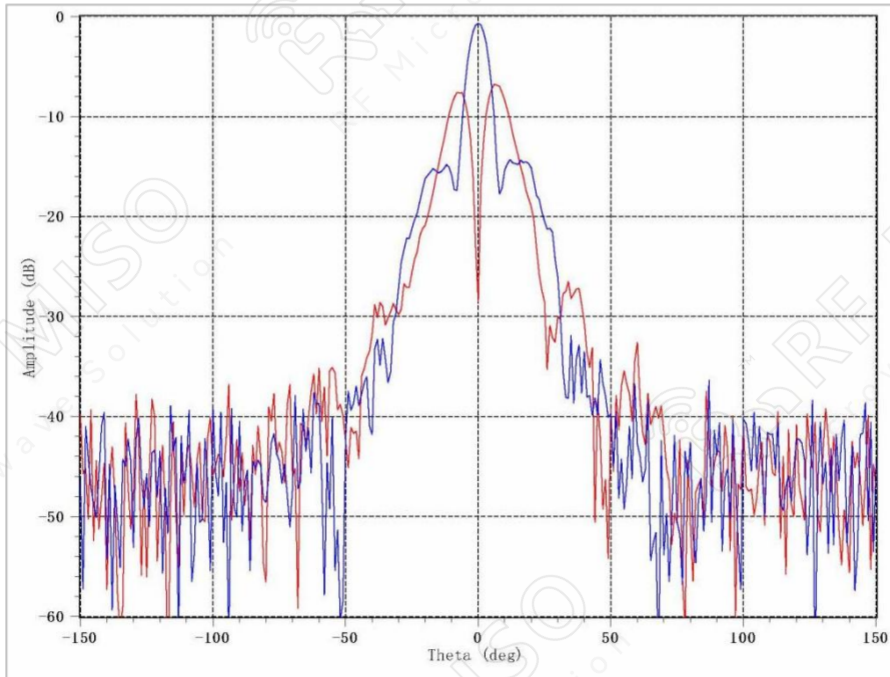


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16GHz



18GHz