

*Dual Polarized Horn Antenna  
14dBi Typ. Gain, 2-18 GHz Frequency Range*

## Dual Polarized Horn Antenna Data Sheet

**RM-DPHA218-14**

### Features

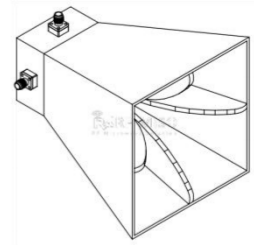
- High Gain
- Dual Polarization
- Small Size
- Broadband Frequency

### Descriptions

RF MISO's **Model RM-DPHA218-14** is a dual polarized horn antenna that operates from 2 to 18GHz, The antenna offers 14 dBi typical gain. The antenna VSWR is typical 1.5:1. The antenna is SMA-Femal connector. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

### Specifications

Parameters	Specification	Unit
Frequency Range	2-18	GHz
Gain	14 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Dual Polarization	
Cross Pol. Isolation	35 dB Typ.	
Port Isolation	40 dB Typ.	
Connector	SMA-Female	
Material	Al	
Finishing	Paint	
Size	134.3*106.2*106.2 (±2)	mm
Weight	0.415	Kg
Power Handling, CW	300	W
Power Handling, Peak	500	W

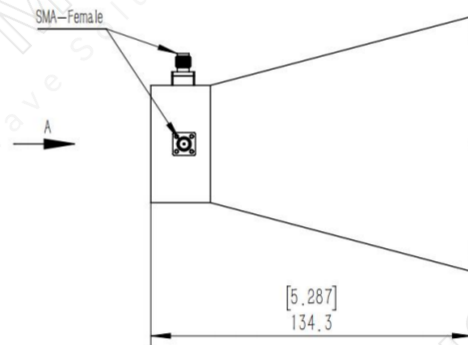
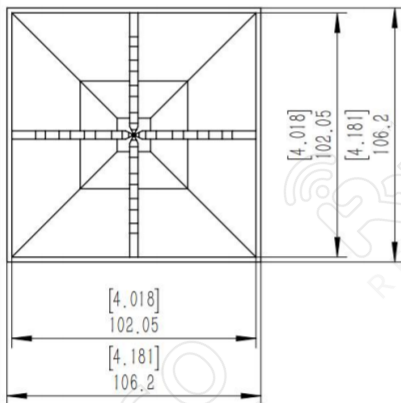
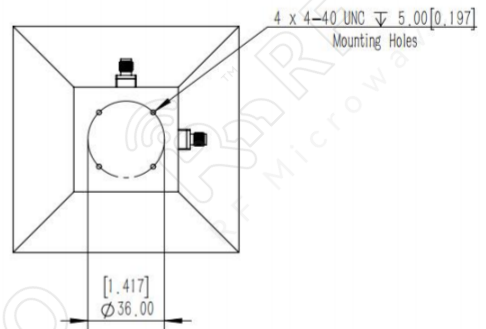
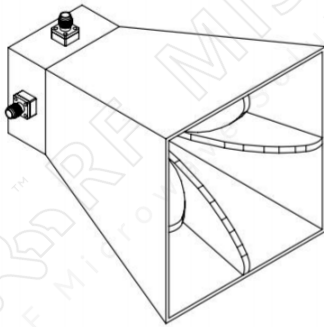


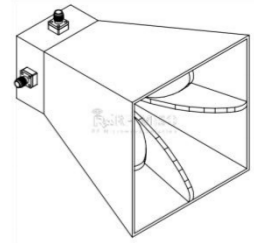
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**Mechanical Drawing (P/N: RM-DPHA218-14)**





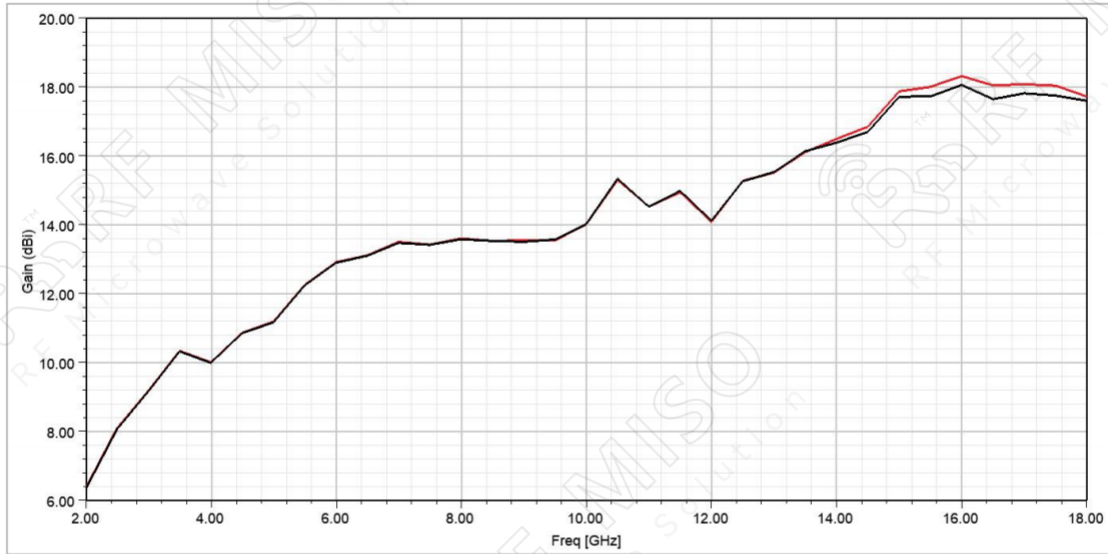
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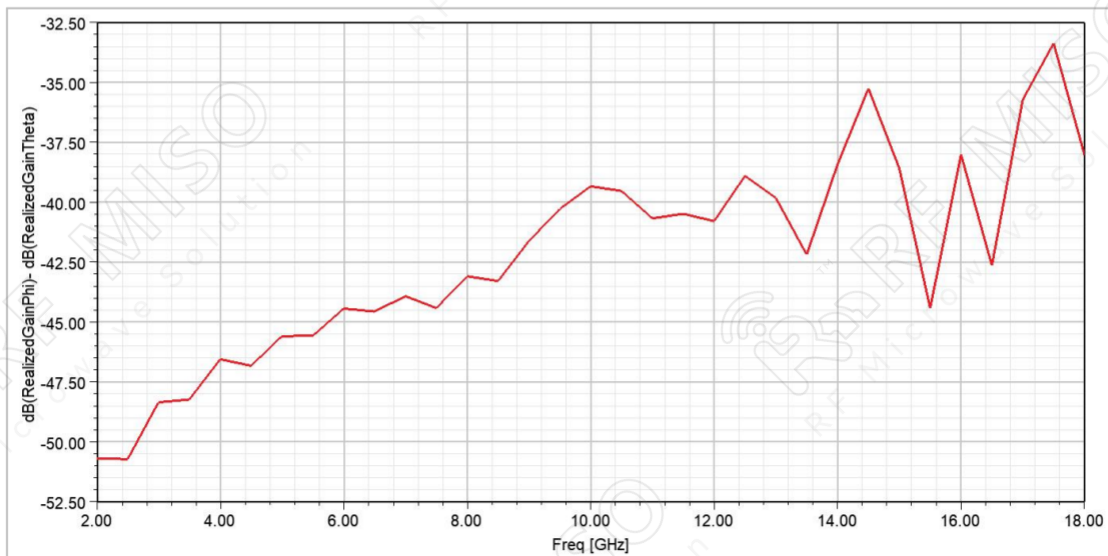
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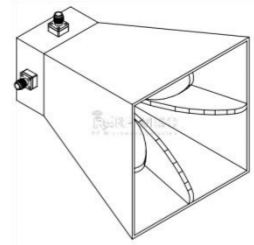
Simulation results:

Gain(dBi)



Cross polarization(dB)



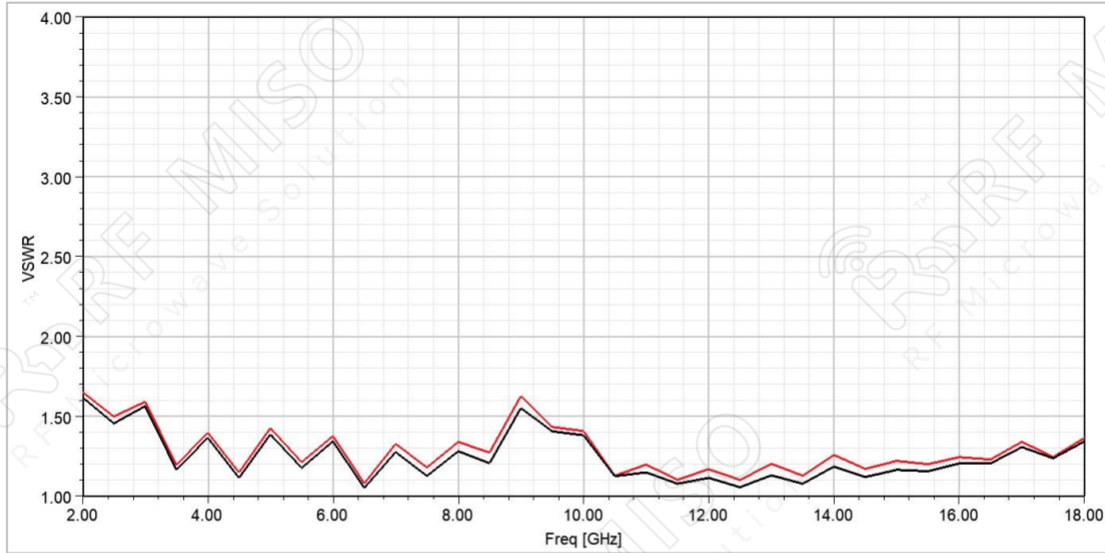


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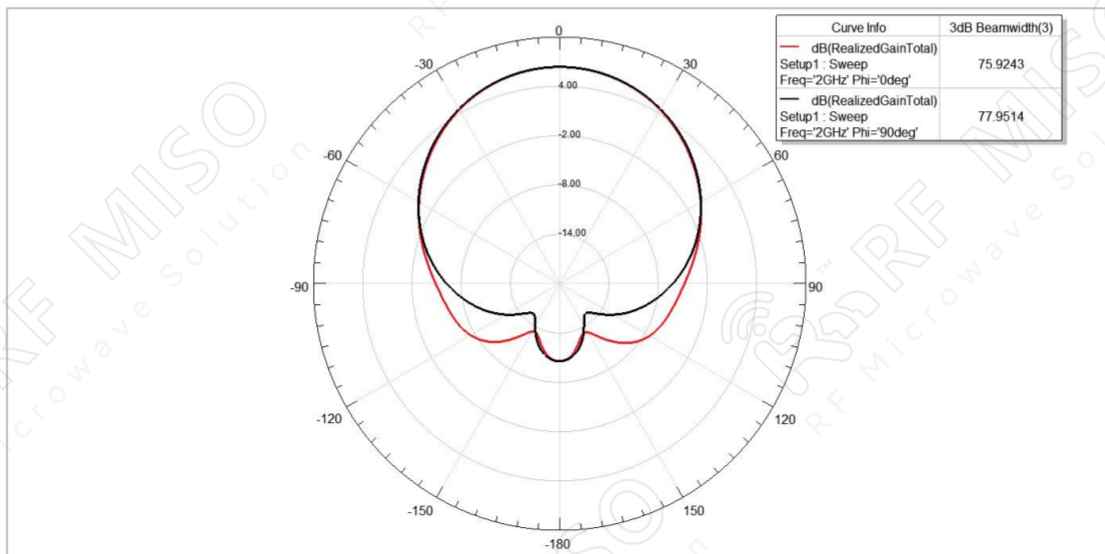
**VSWR**

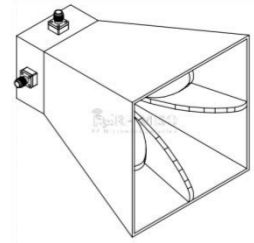


**Pattern**

Phi=0deg E-plane, Phi=90deg H-plane

**2GHz**



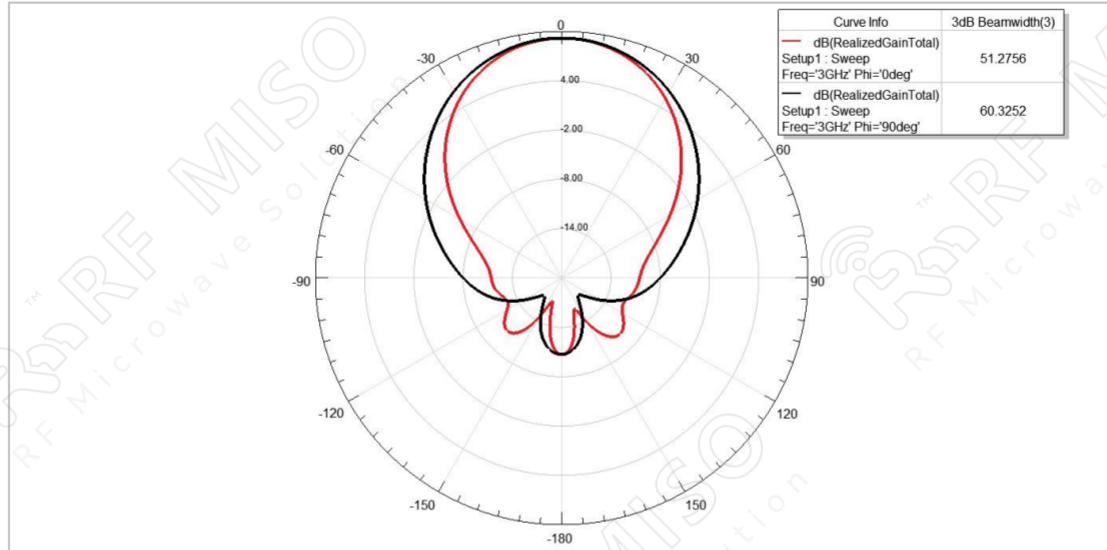


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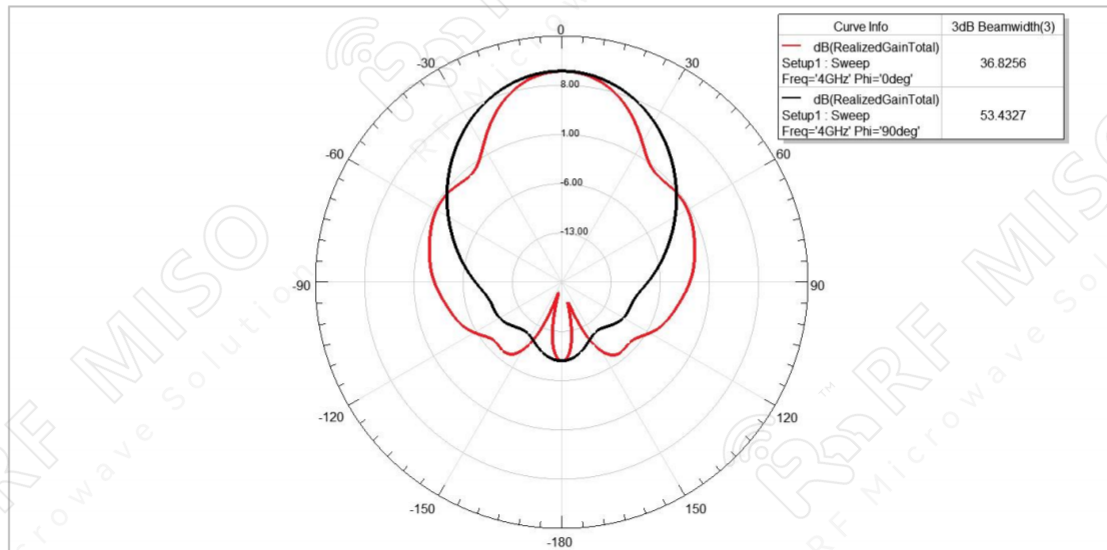
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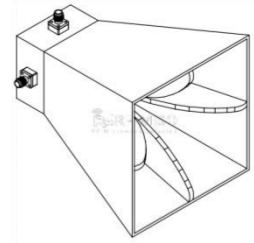
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3GHz



4GHz



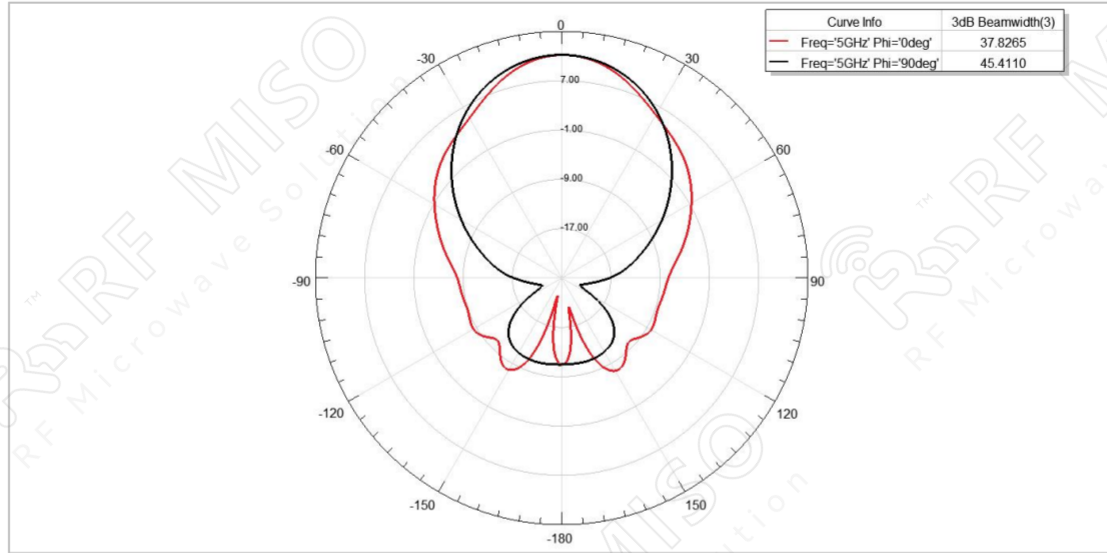


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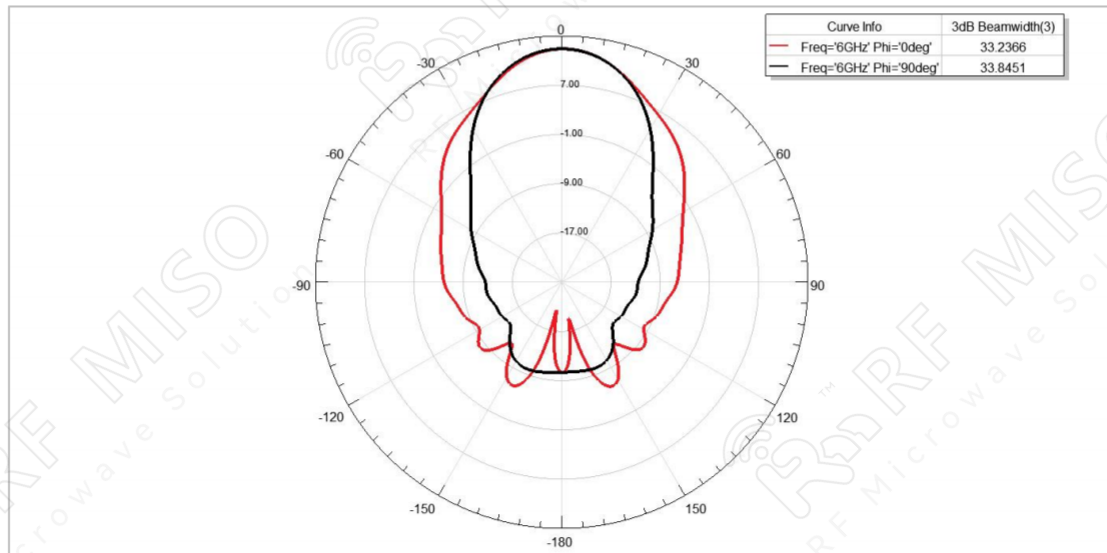
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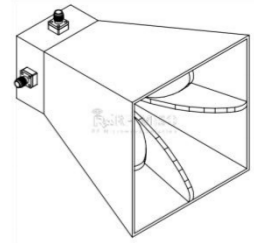
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5GHz



6GHz



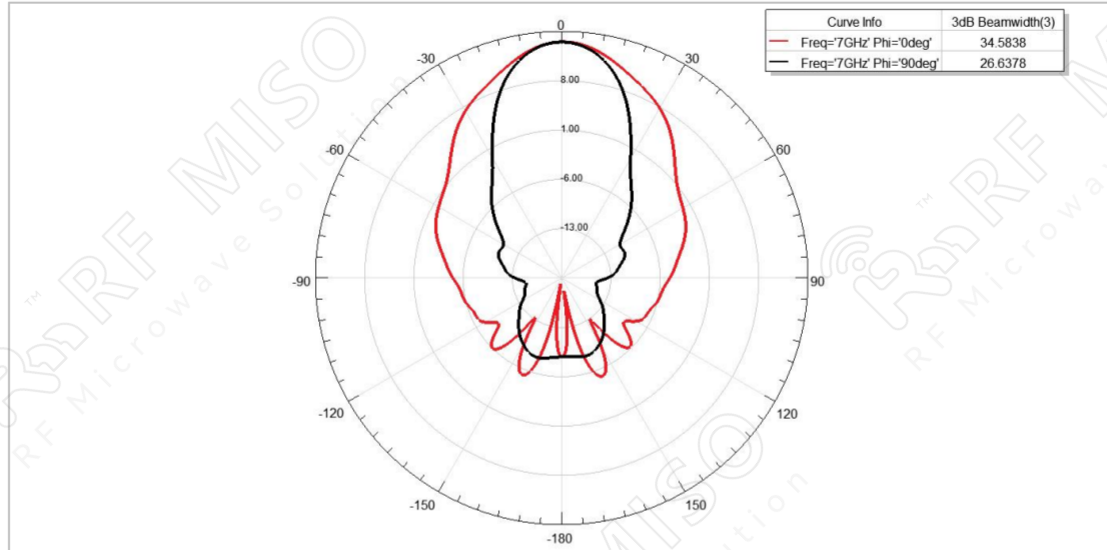


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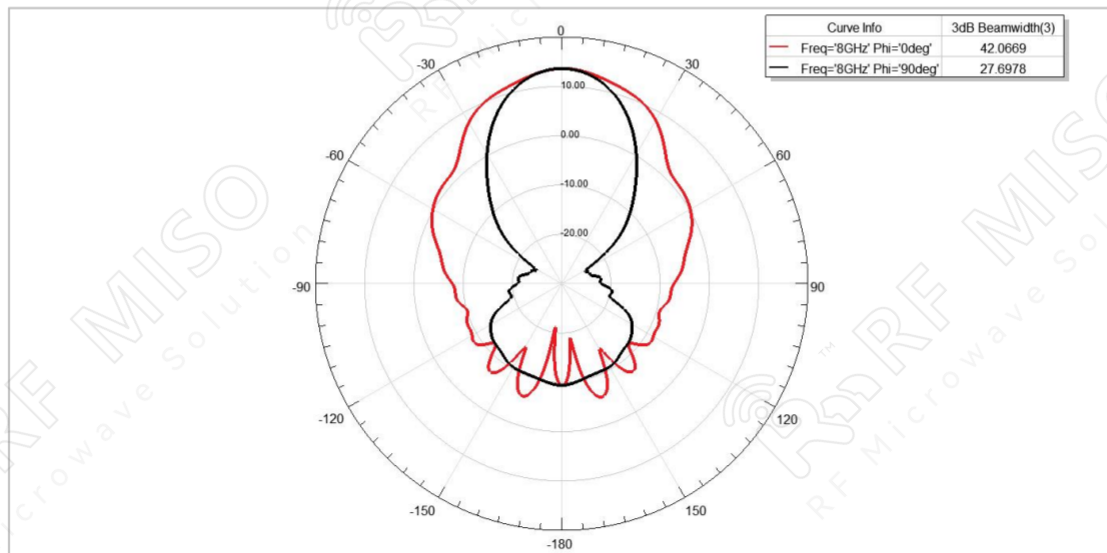
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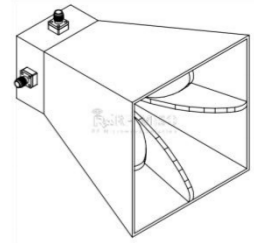
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7GHz



8GHz



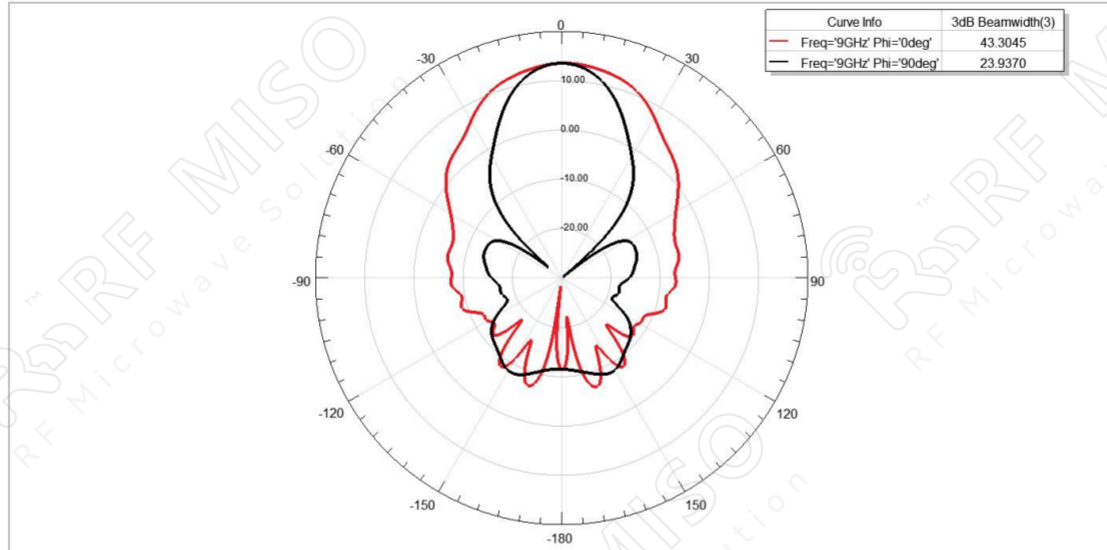


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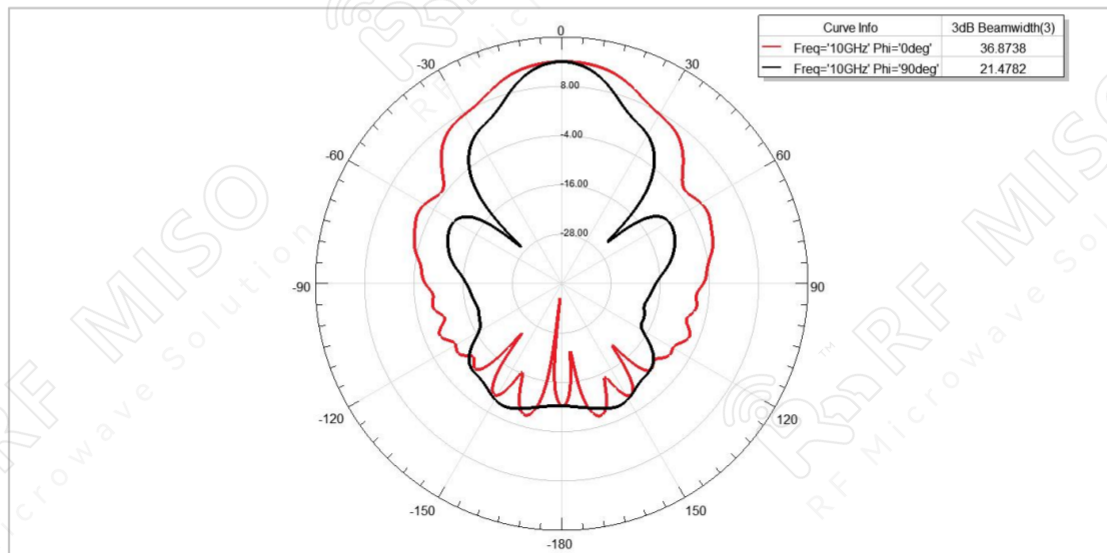
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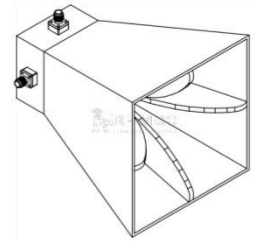
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9GHz



10GHz



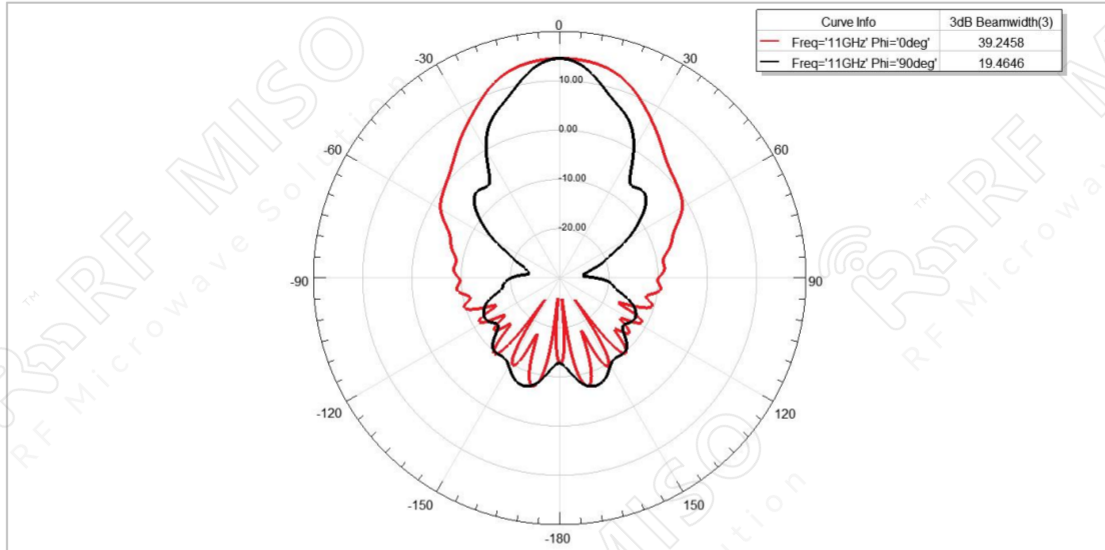


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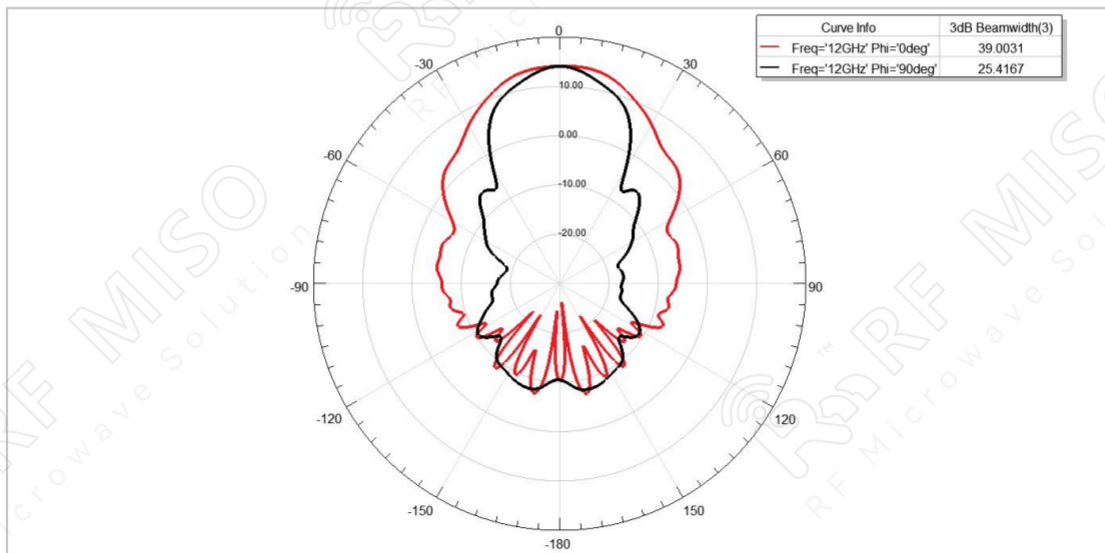
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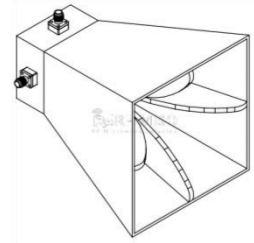
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11GHz



12GHz



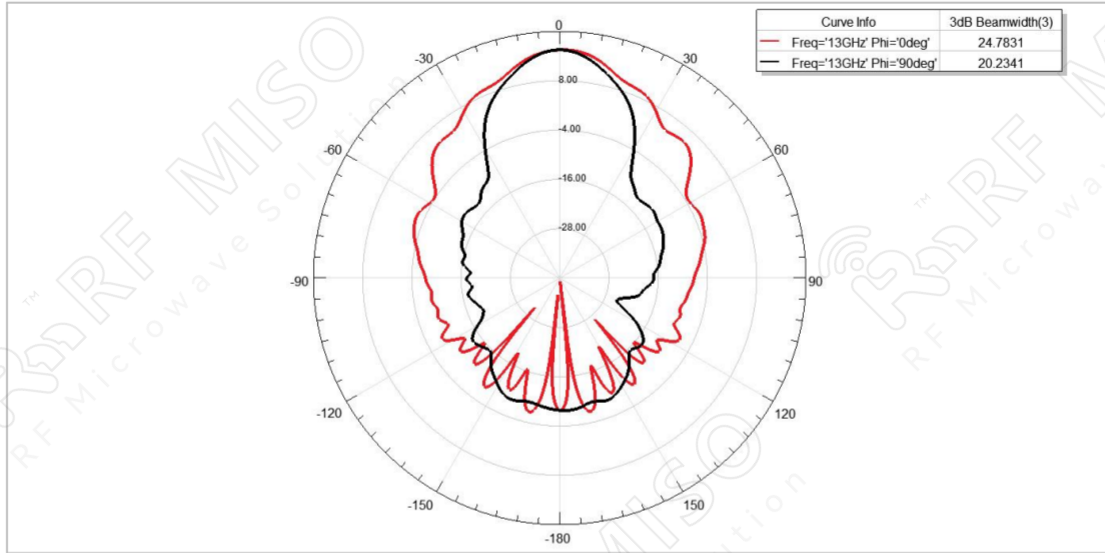


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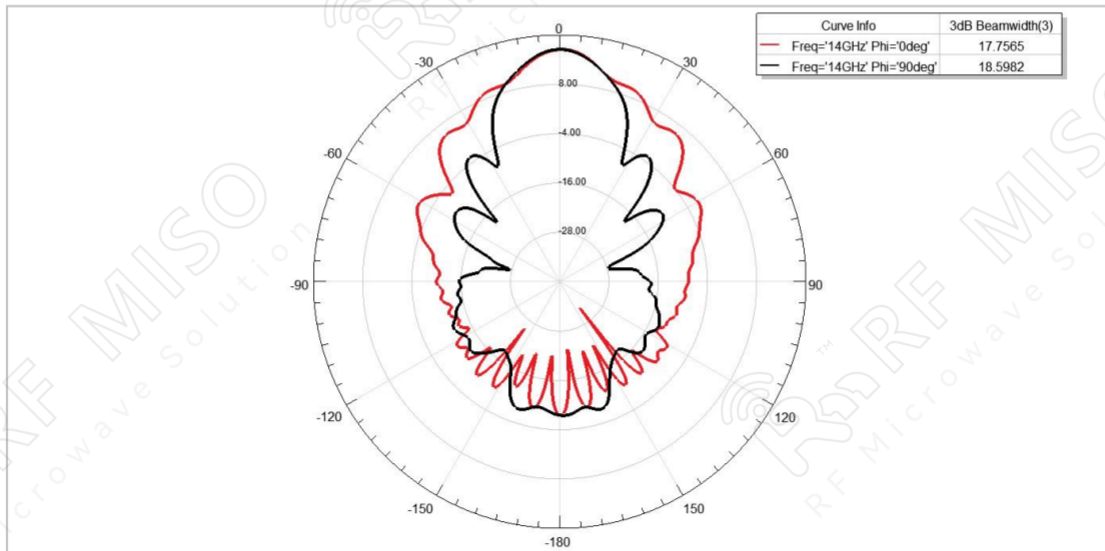
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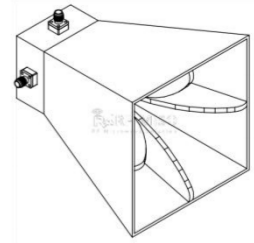
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13GHz



14GHz



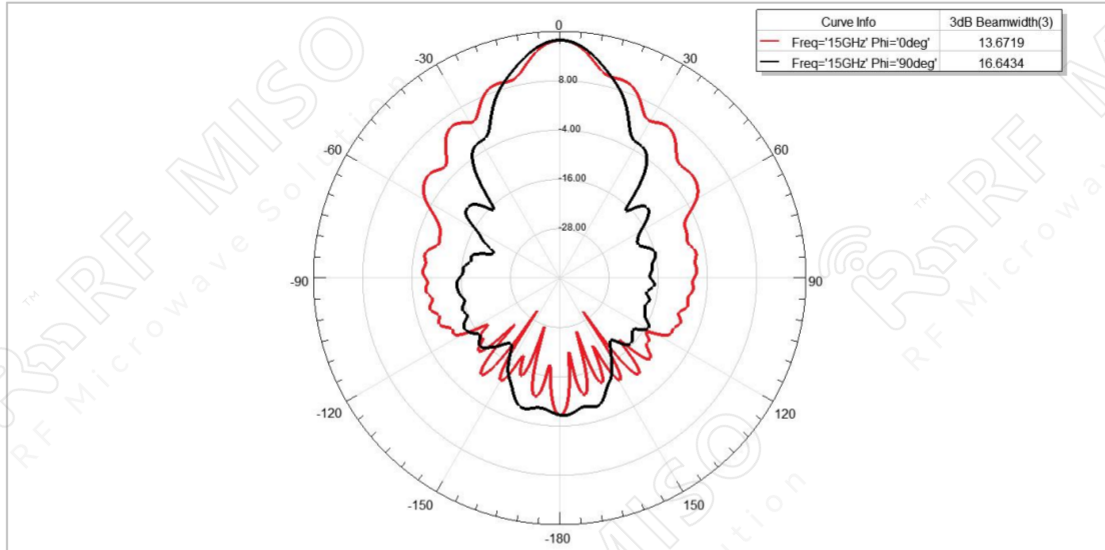


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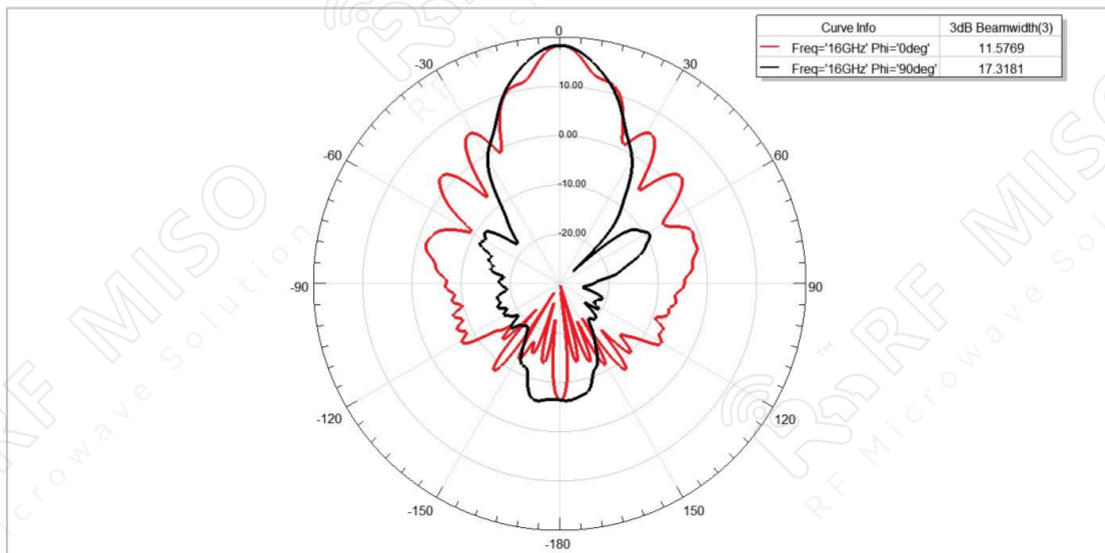
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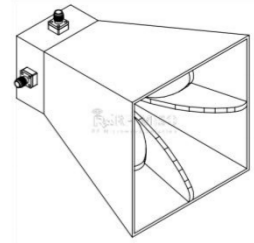
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15GHz



16GHz



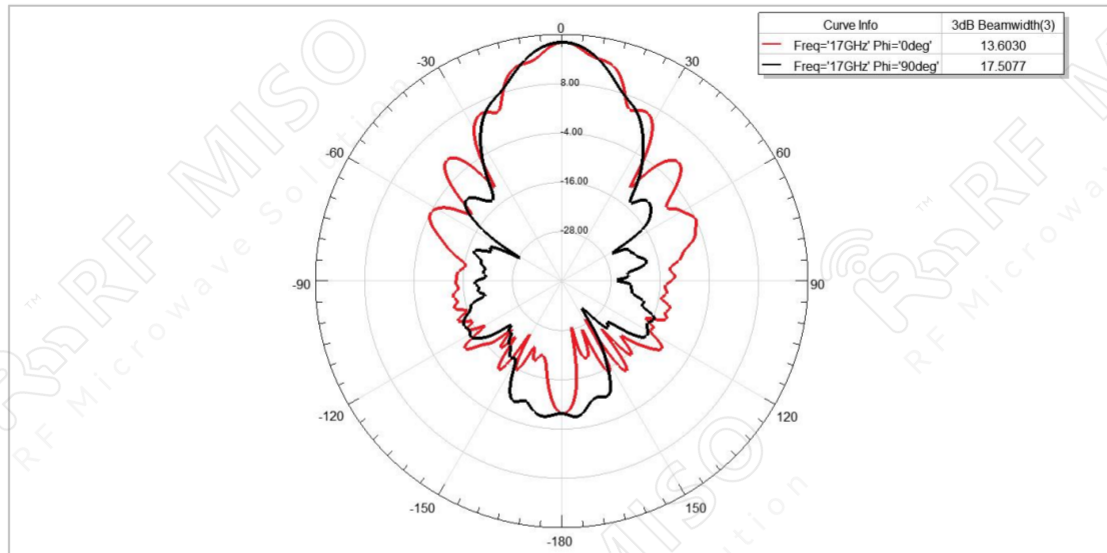


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17GHz



18Ghz

