

*Dual Circular Polarized Horn Antenna 10dBi Typ.
Gain, 4.5-16 GHz Frequency Range*

Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA4516-10

Specifications

RM-DCPHA4516-10		
Parameters	Specification	Unit
Frequency Range	4.5-16	GHz
Gain	10 Typ.	dBi
VSWR	<1.5	
AR	<1	
Polarization	Dual Circular	
Cross Pol. Isolation	25 Typ.	dB
Port Isolation	45 Typ.	dB
3dB Beamwidth	19.9~64.6	deg
Interface	SMA-Female	
Material	Al	
Finishing	Paint	
Average Power	50	W
Peak Power	100	W
Size (L*W*H)	100.3*Ø80.6(±5)	mm
Weight	0.300	kg

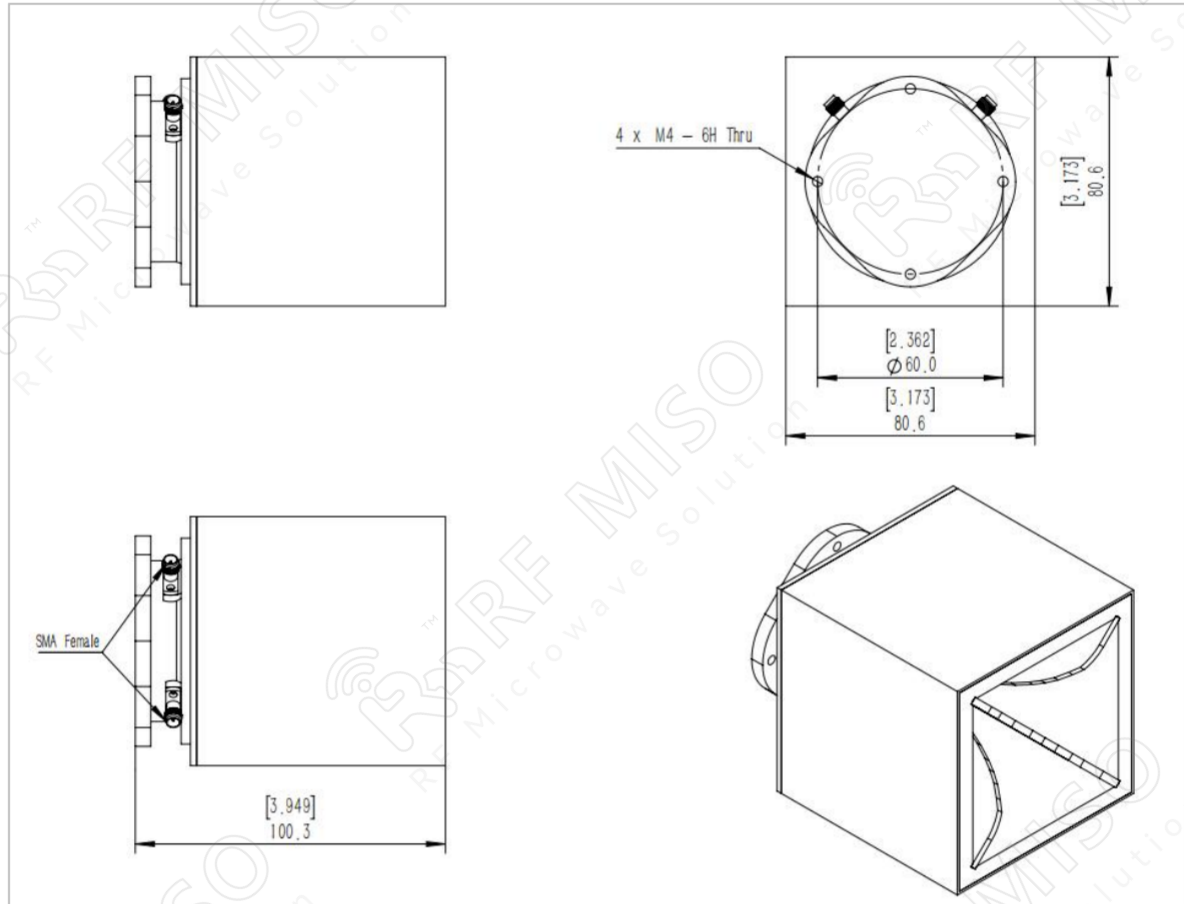
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Outline Drawing

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



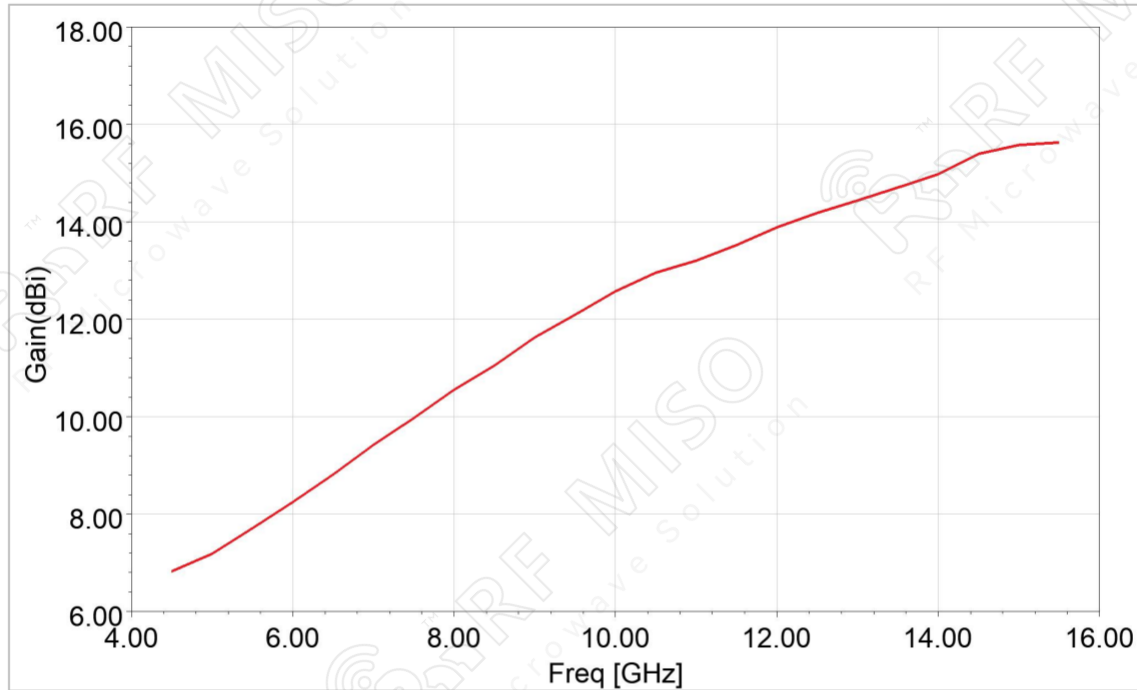
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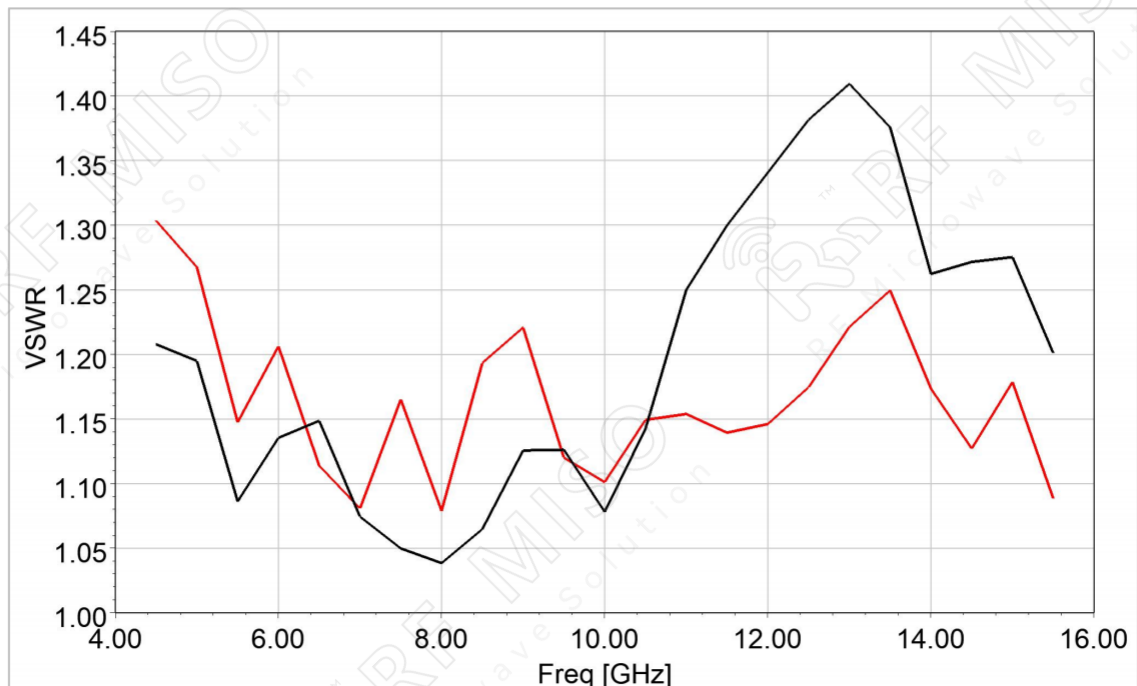
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Simulation Data

Gain



VSWR

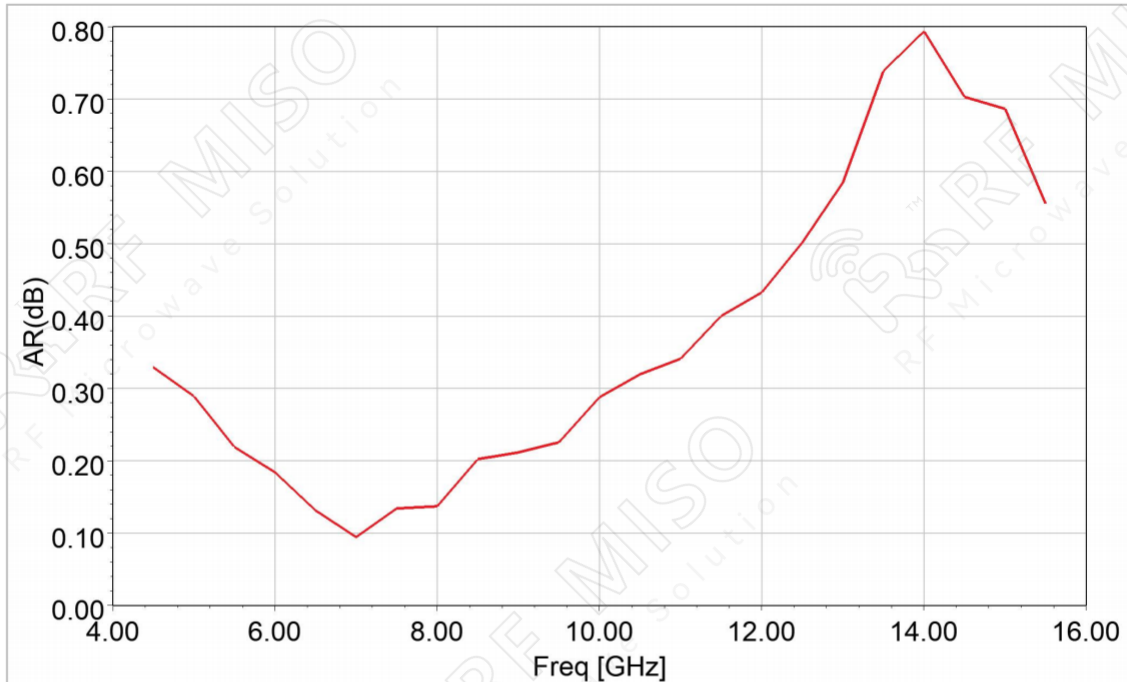


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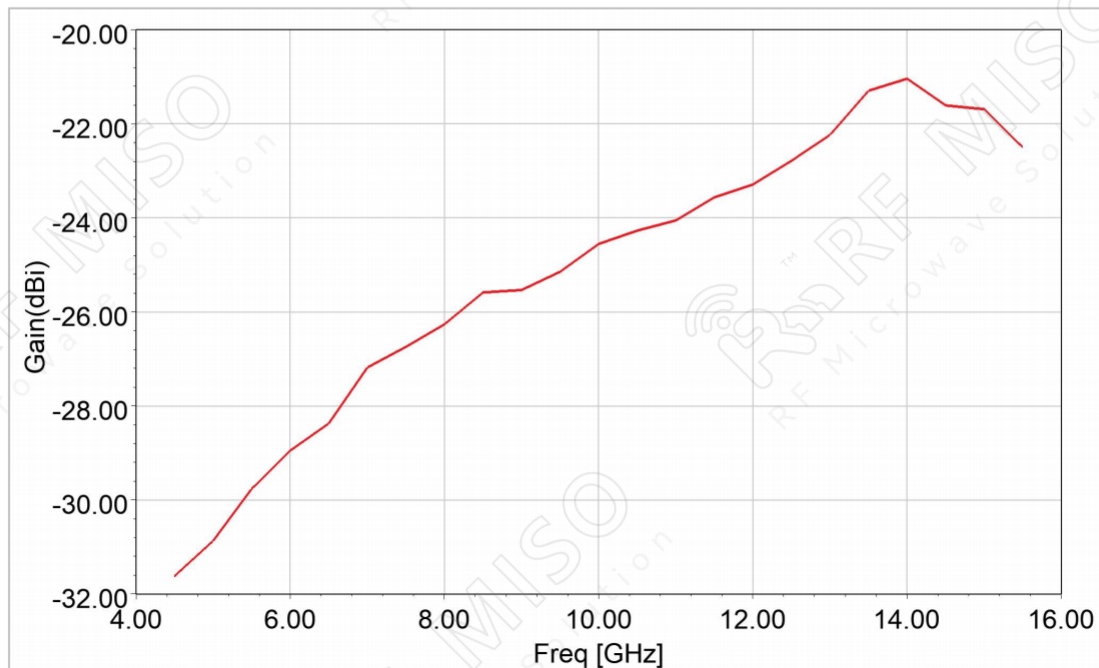
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AR



Cross Polarization

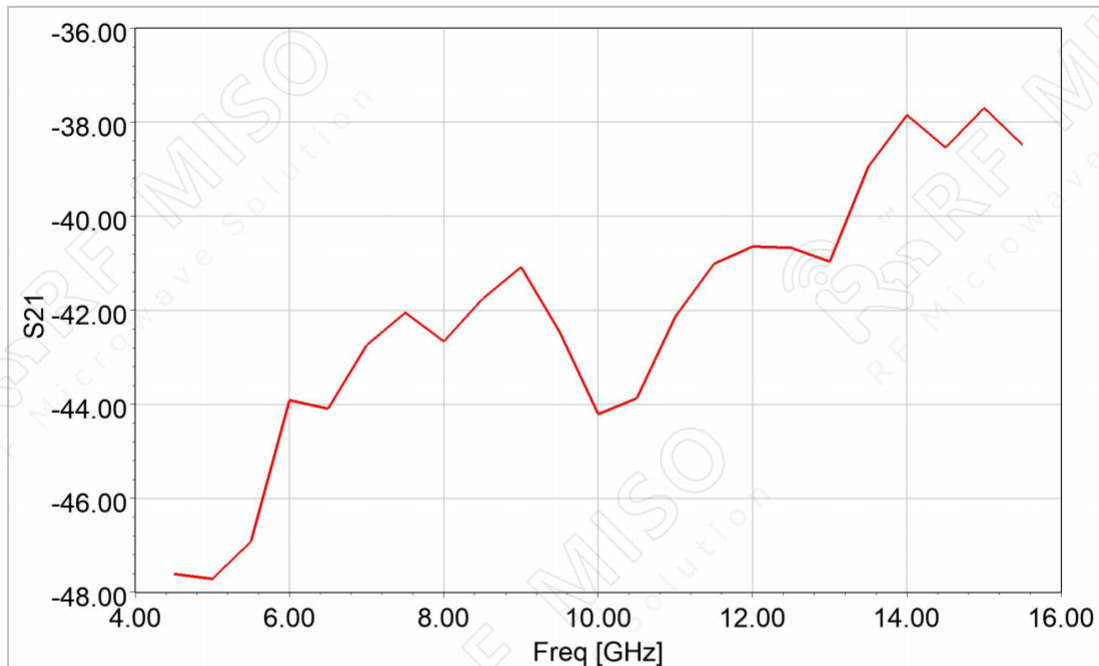


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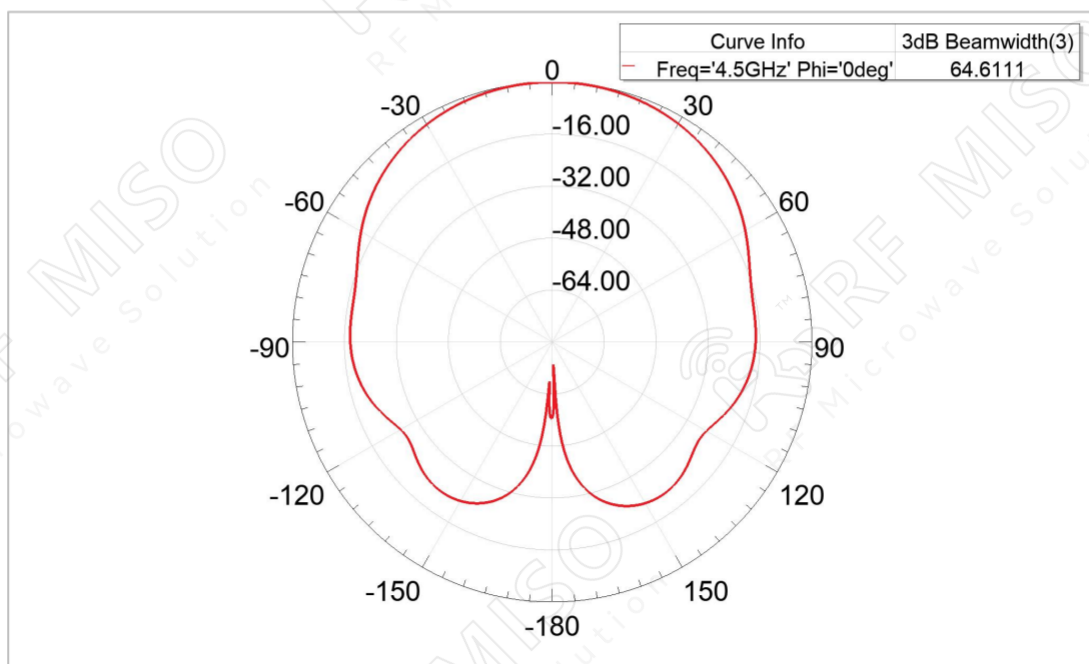
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Port Isolation



Gain Pattern

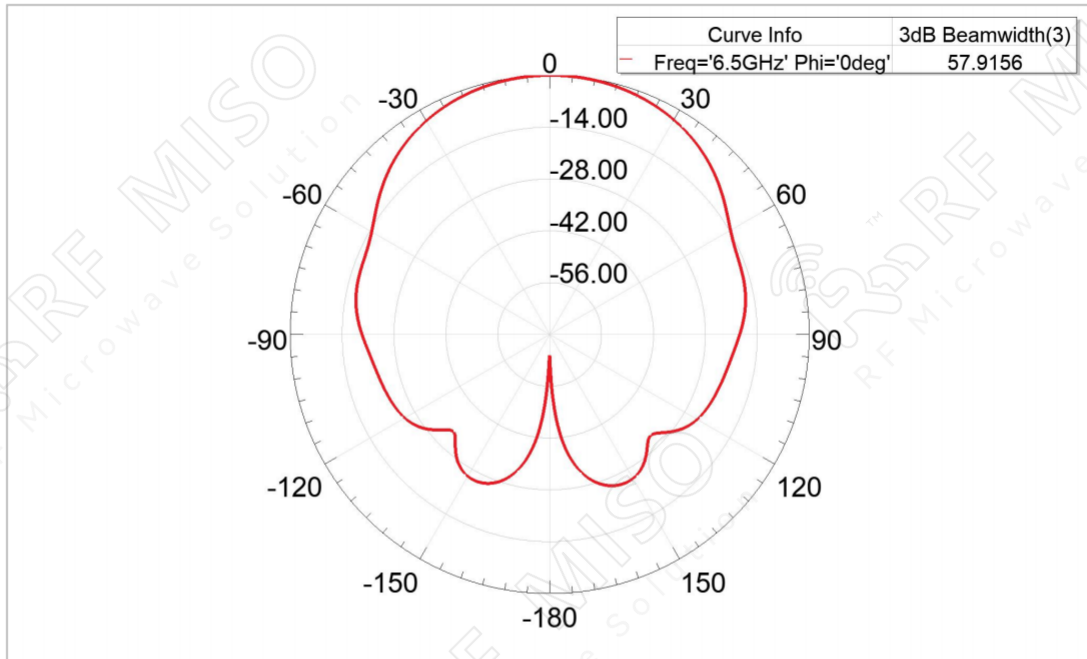


4.5 GHz

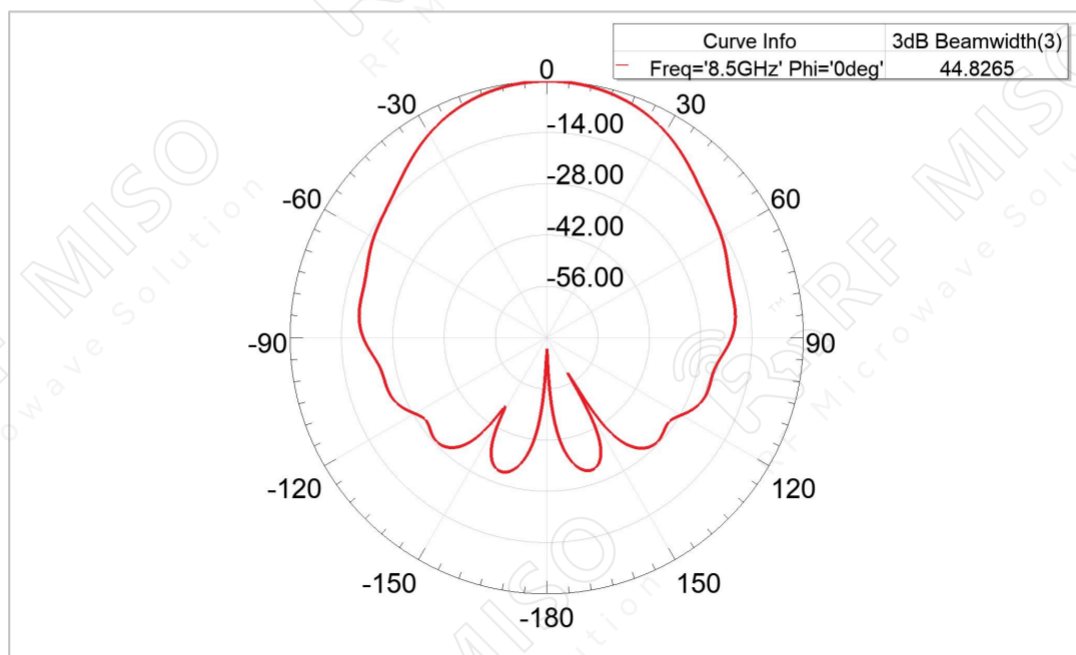
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6.5 GHz

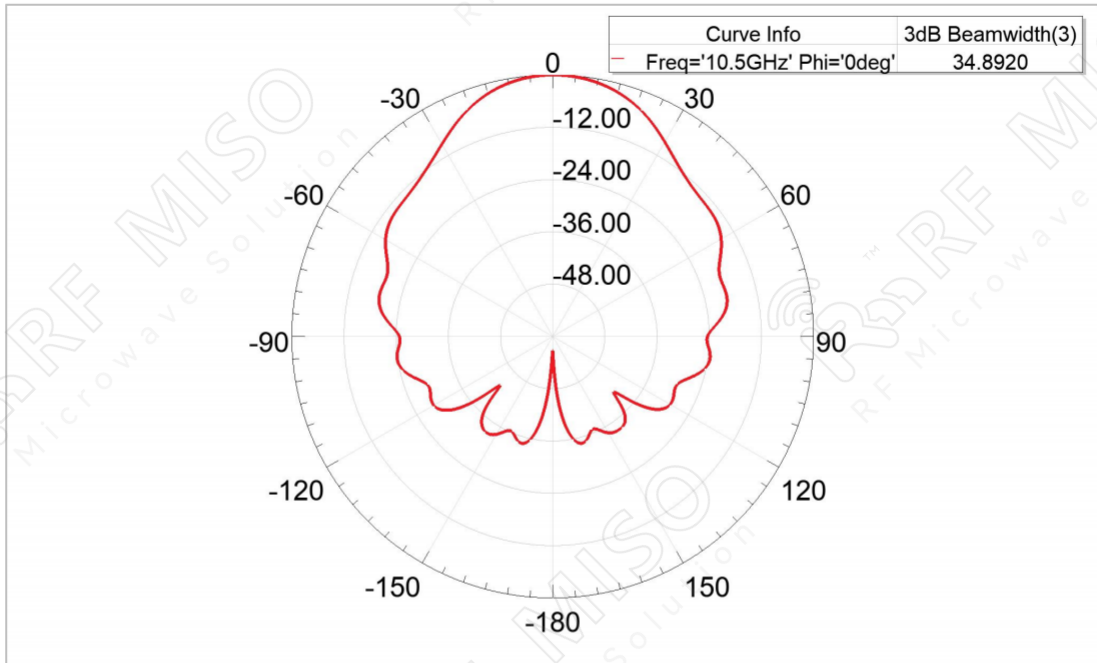


8.5 GHz

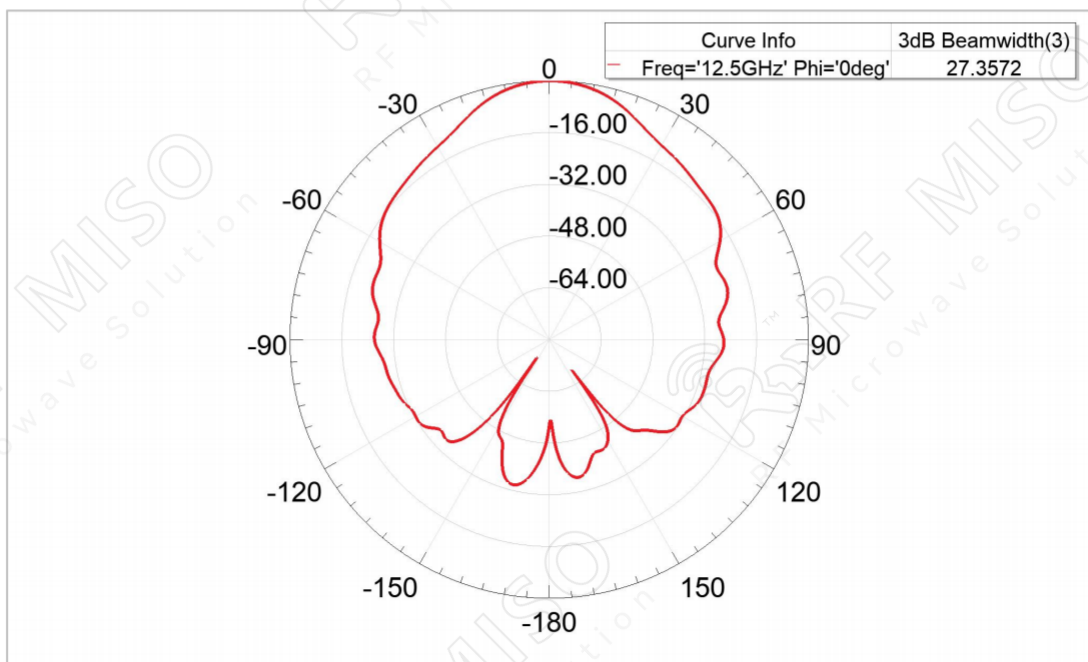
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10.5 GHz

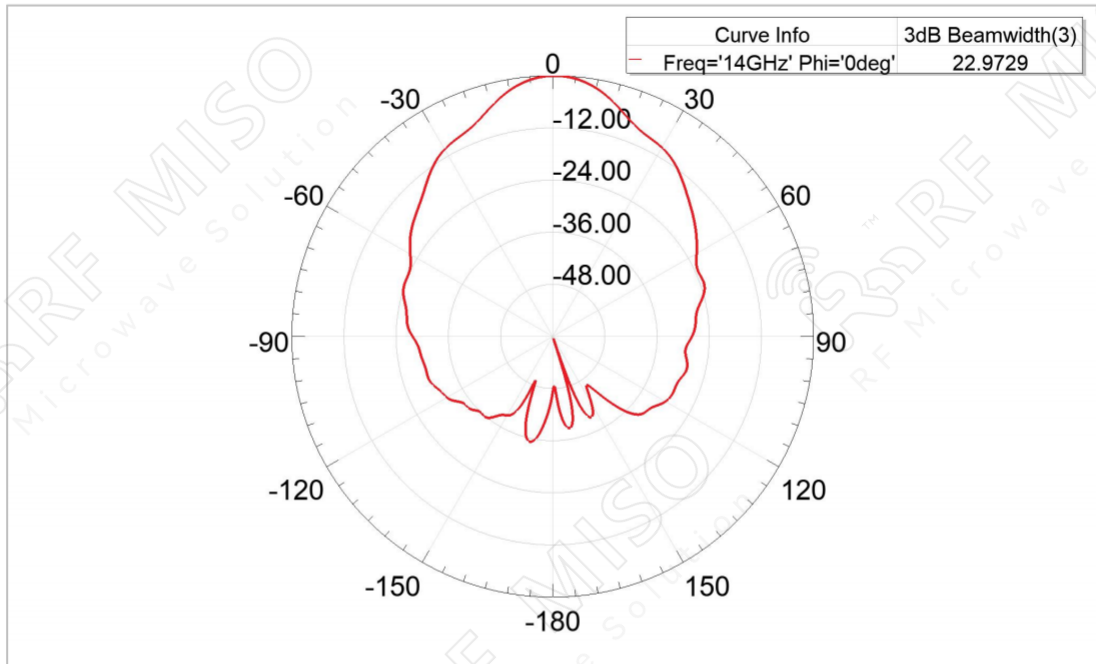


12.5 GHz

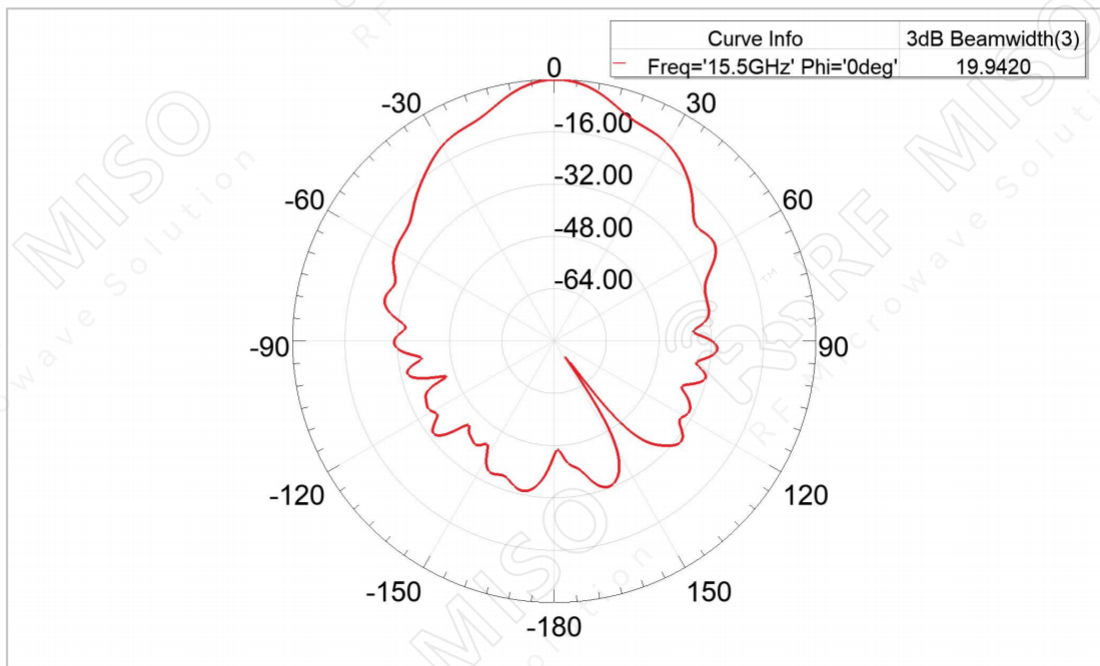
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14 GHz



15.5 GHz