

Standard Gain Horn Antenna
10 dBi Typ. Gain, 90-140GHz Frequency Range

Standard Gain Horn Antenna Data

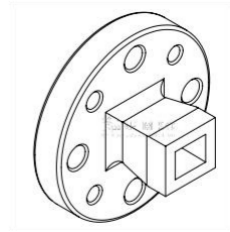
RM-SGHA8-10

Description

RF MISO's **Model RM-SGHA8-10** is a linear polarized standard gain horn antenna that operates from 90 to 140 GHz. The antenna offers a typical gain of 10 dBi and low VSWR <1.2, This antenna has flange input and coaxial input for customers to rotate.

Specifications

RM-SGHA8-10			
Item	Specification		Units
Frequency Range	90-140		GHz
Wave-guide	WR8		
Gain	10 Typ.		dBi
VSWR	<1.2		
Polarization	Linear		
Cross Polarization	62 Typ.		dB
3dB Beamwidth	E-Plane:40.6-51.8	H-Plane:35.8-49.8	deg
Material	Brass		
Size	Ø19.05*11.03(±5)		mm
Weight	0.009		kg

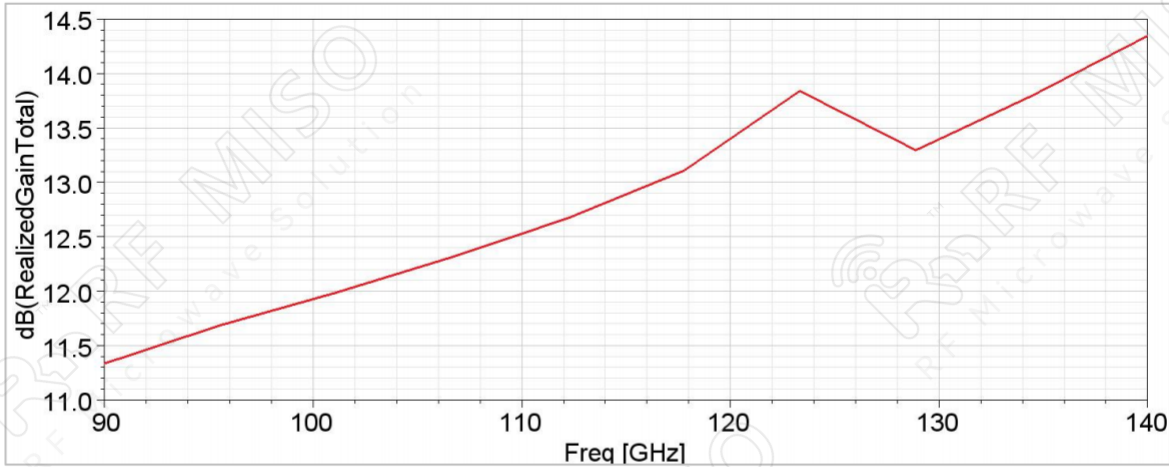


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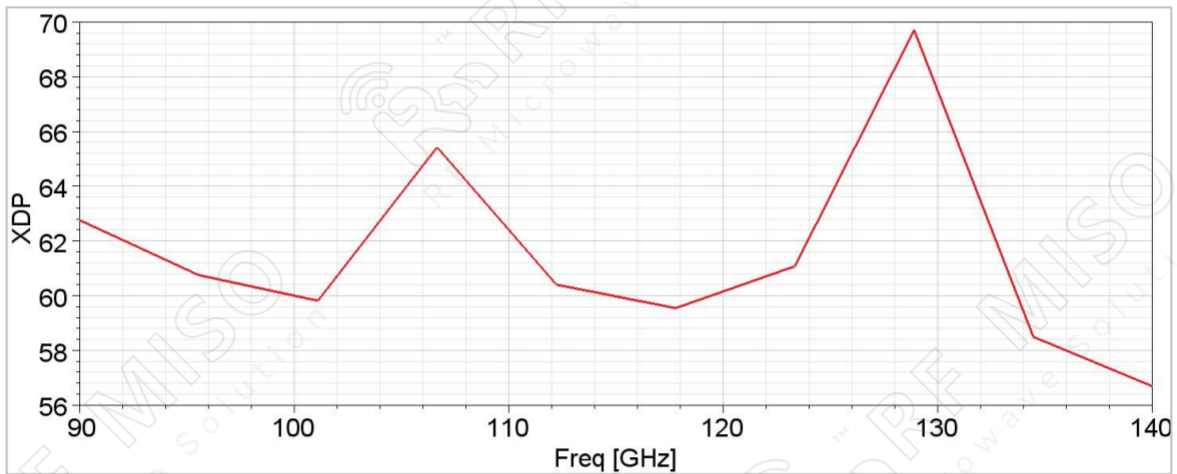
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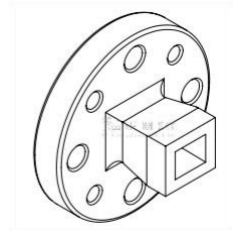
Gain



Cross Polarization



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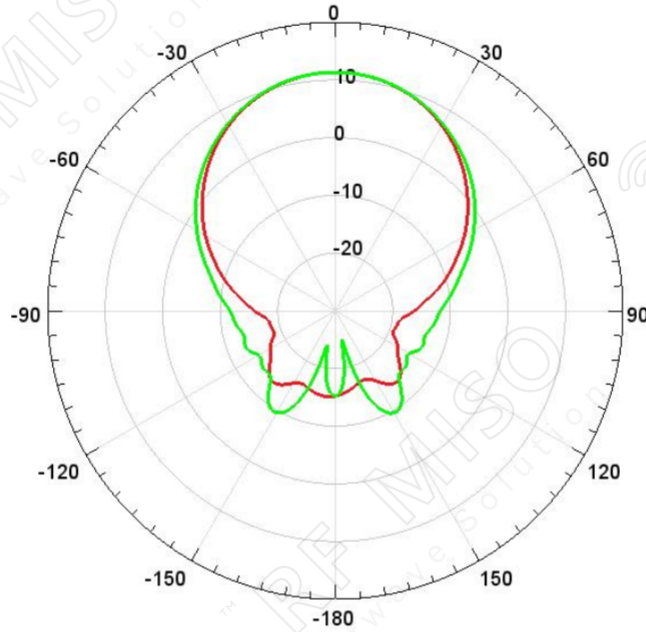


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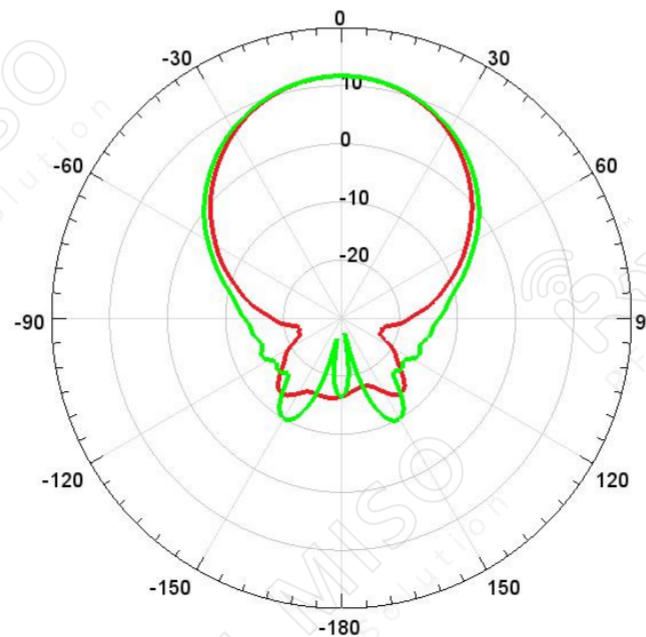
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Gain Pattern

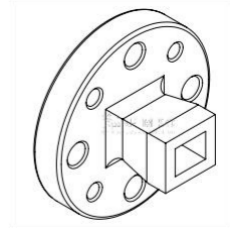
3dB Beamwidth@90GHz: E-Plane 51.83, H-plane 49.83.



3dB Beamwidth@95.5GHz: E-Plane 50.43, H-plane 47.34.



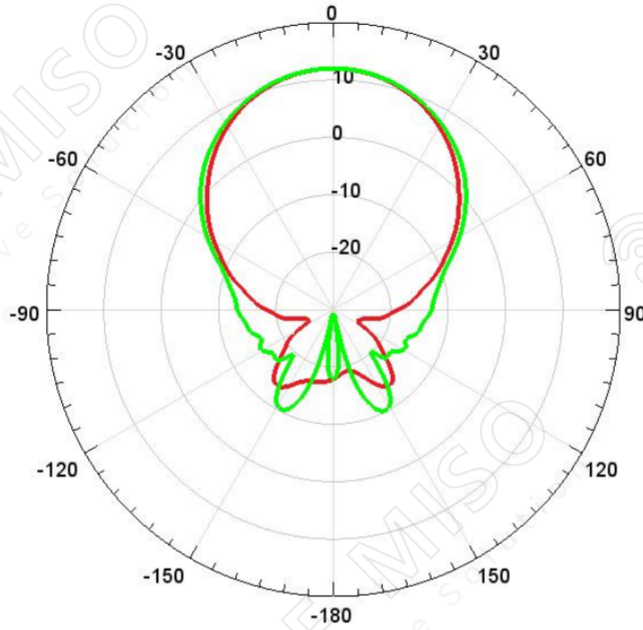
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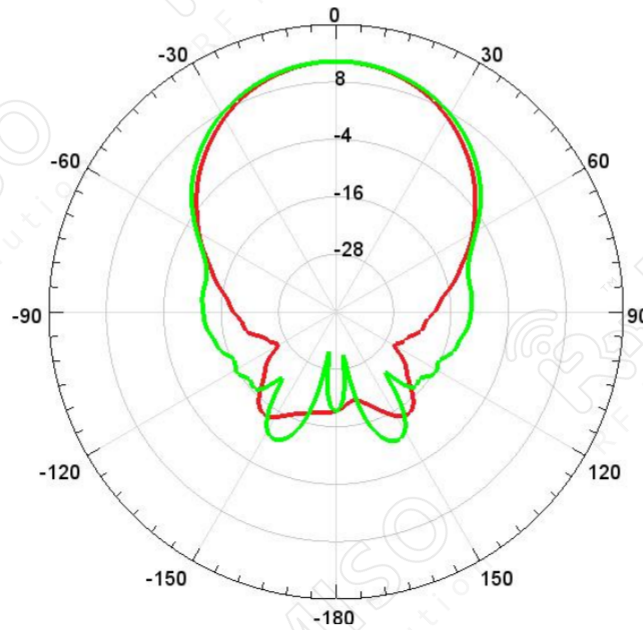
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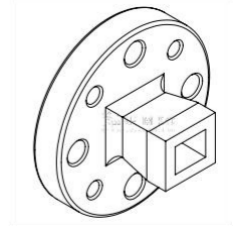
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3dB Beamwidth@101.1GHz: E-Plane 48.66, H-plane 45.16.



3dB Beamwidth@106.6GHz: E-Plane 48.03, H-plane 43.35.



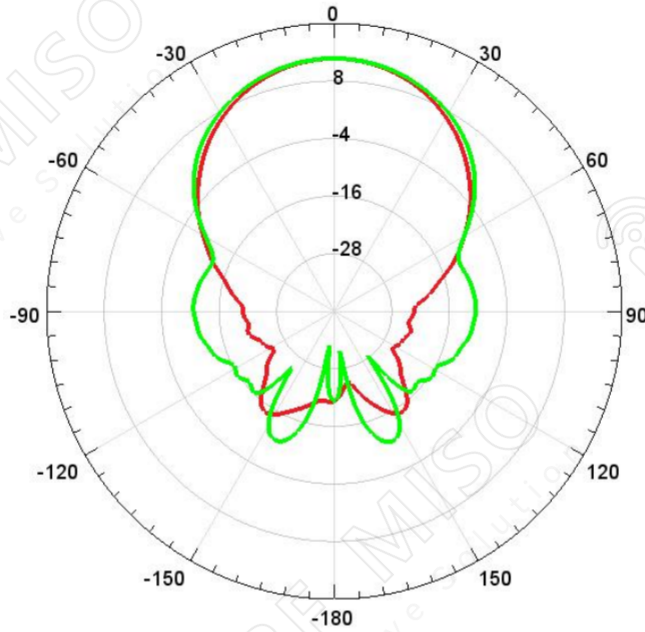


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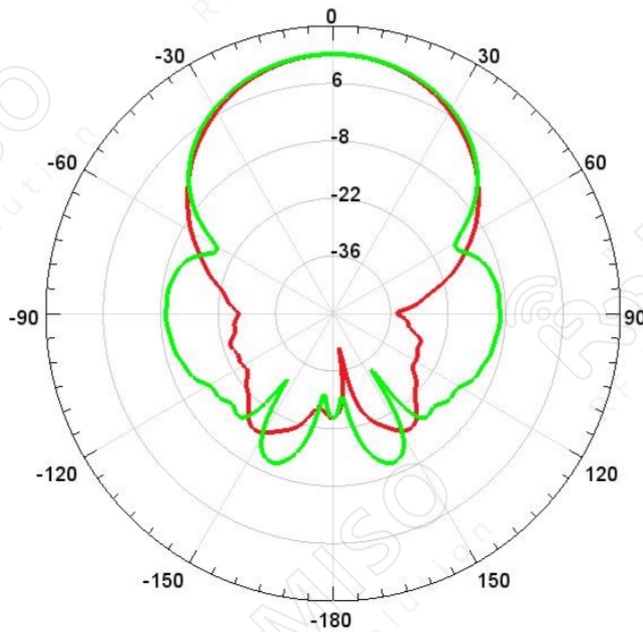
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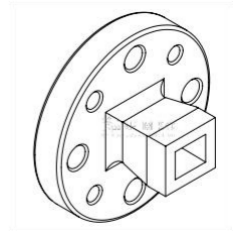
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3dB Beamwidth@112.2GHz: E-Plane 46.45, H-plane 41.59.



3dB Beamwidth@117.7GHz: E-Plane 44.77, H-plane 40.72.



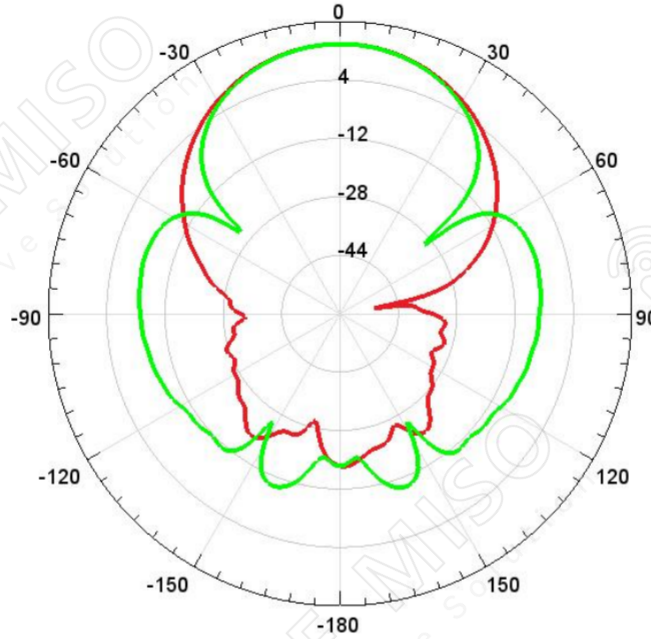


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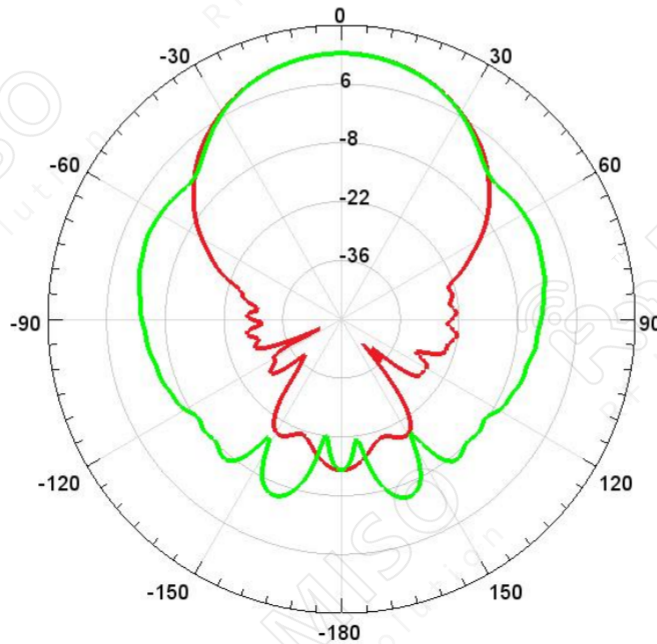
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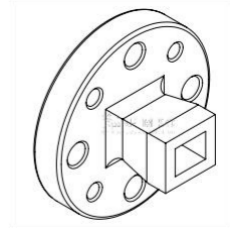
3dB Beamwidth@123.3GHz: E-Plane 38.45, H-plane 40.04.



3dB Beamwidth@128.8GHz: E-Plane 40.96, H-plane 41.26.



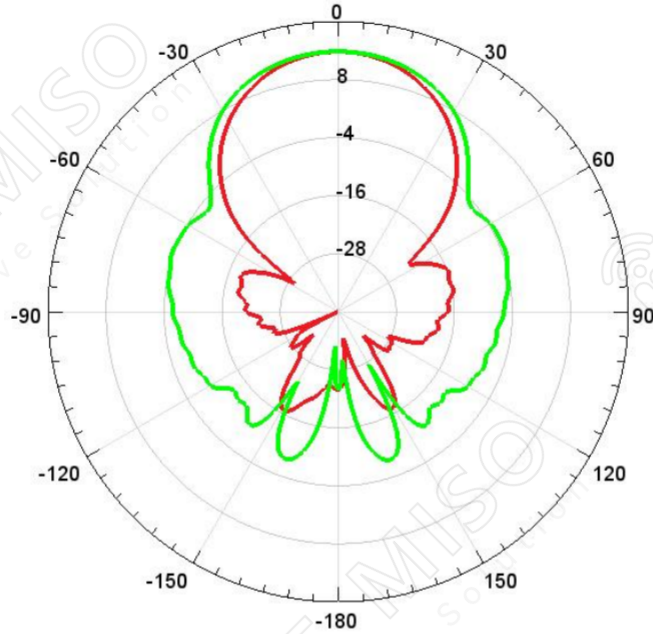
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3dB Beamwidth@134.4GHz: E-Plane 44.05, H-plane 35.83.



3dB Beamwidth@140GHz: E-Plane 40.61, H-plane 35.81.

