

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

Standard Gain Horn Antenna Data

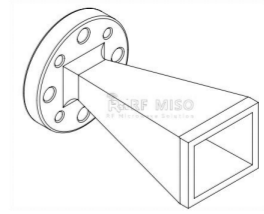
RM-SGHA8-20

Description

RF MISO's **Model RM-SGHA8-20** is a linear polarized standard gain horn antenna that operates from 90 to 140 GHz. The antenna offers a typical gain of 20 dBi and low VSWR <1.2, This antenna has flange input and coaxial input for customers to rotate.

Specifications

RM-SGHA8-20			
Item	Specification		Units
Frequency Range	90-140		GHz
Wave-guide	WR8		
Gain	20 Typ.		dBi
VSWR	<1.2		
Polarization	Linear		
Cross Polarization	65 Typ.		dB
3dB Beamwidth	E-Plane:12.1-18.0	H-Plane:12.3-18.5	deg
Material	Brass		
Size	Ø19.05*33.33		mm
Weight	0.019		kg

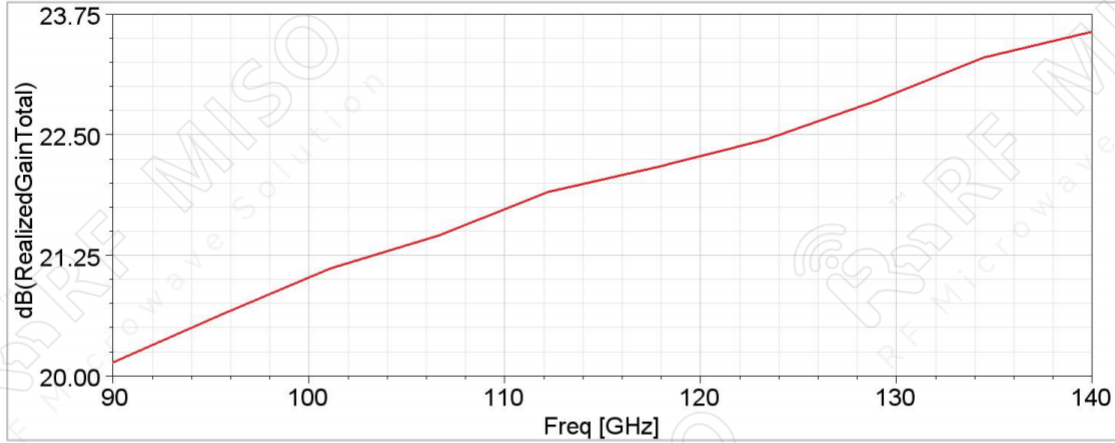


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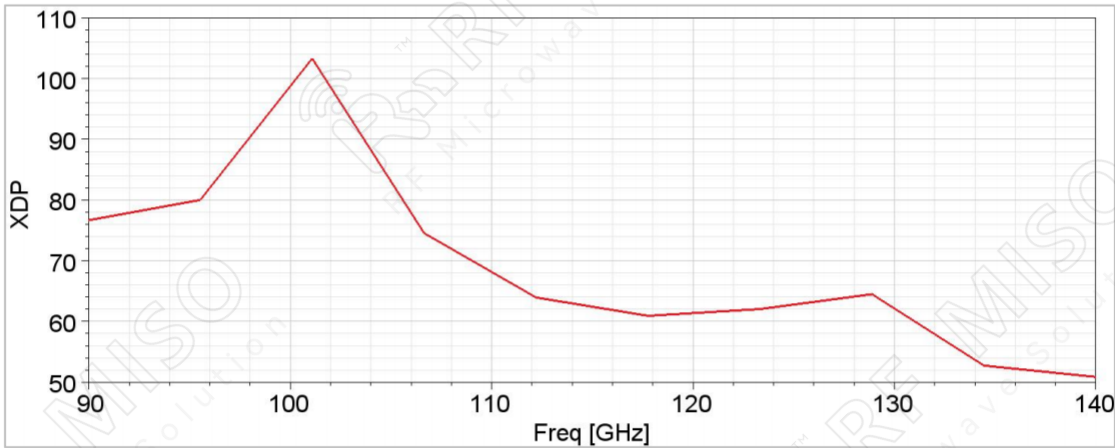
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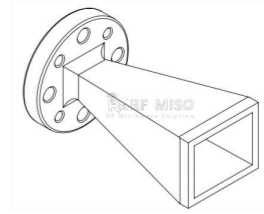
Gain



Cross Polarization



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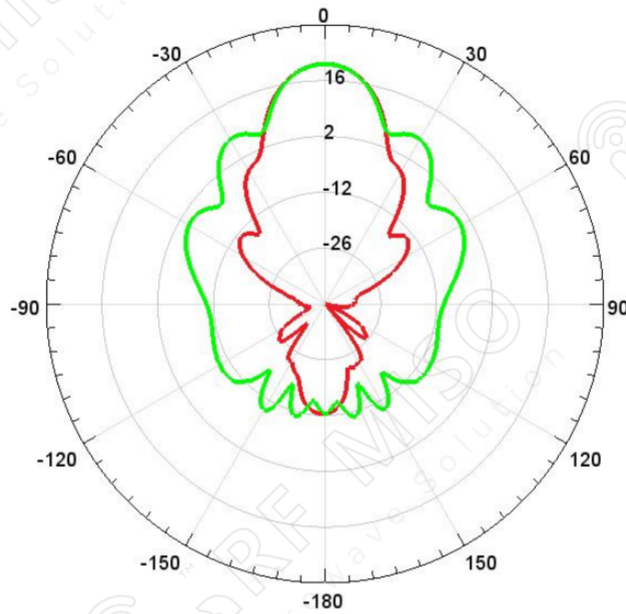


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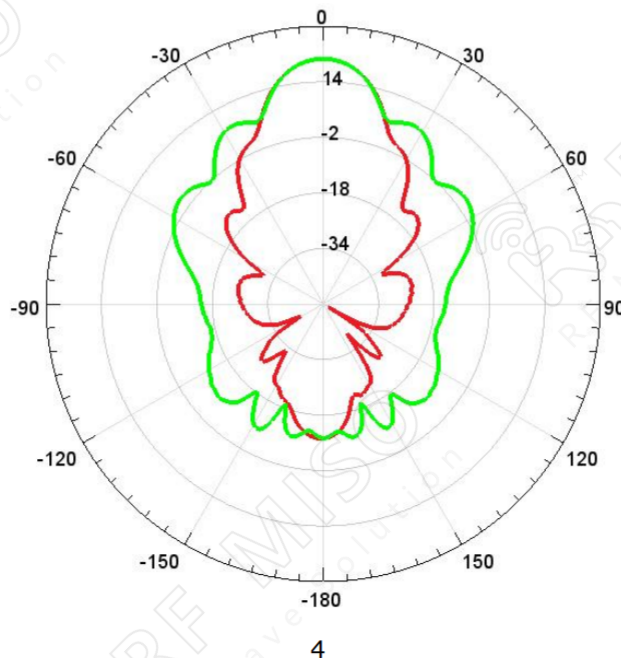
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Gain Pattern

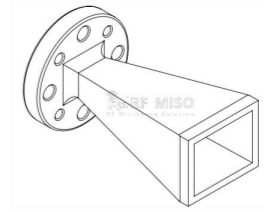
3dB Beamwidth@90GHz: E-Plane 18.04, H-plane 18.47.



3dB Beamwidth@95.5GHz: E-Plane 17.29, H-plane 17.37.



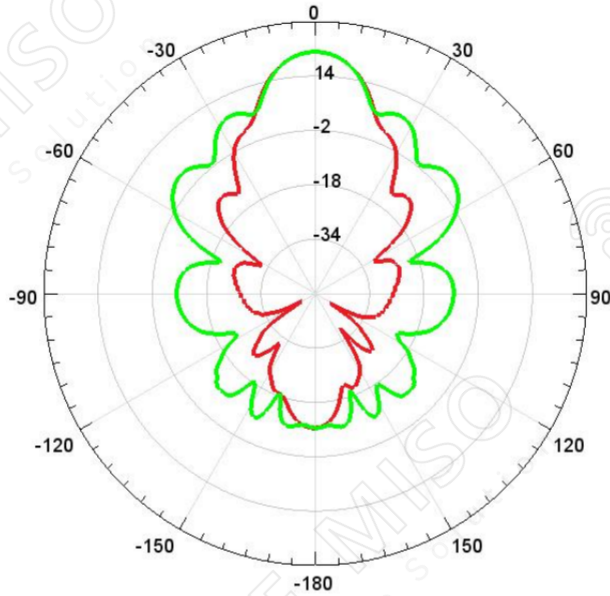
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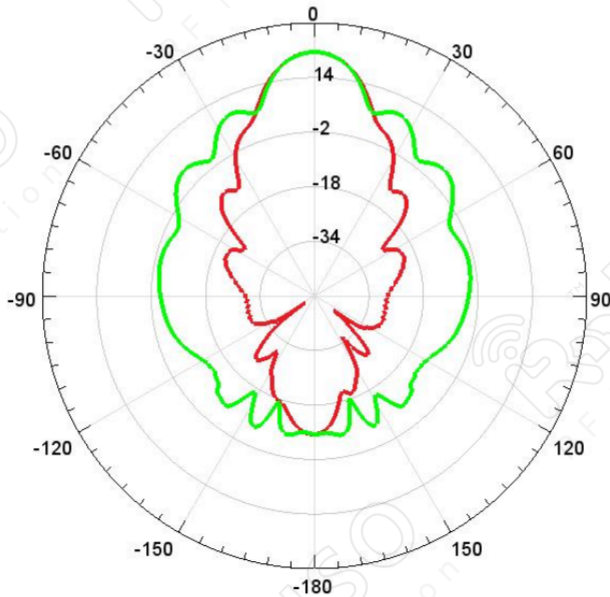
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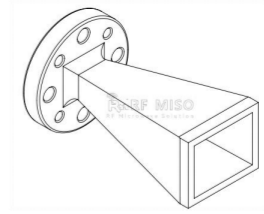
3dB Beamwidth@101.1GHz: E-Plane 16.36, H-plane 16.54.



3dB Beamwidth@106.6GHz: E-Plane 15.58, H-plane 15.9.



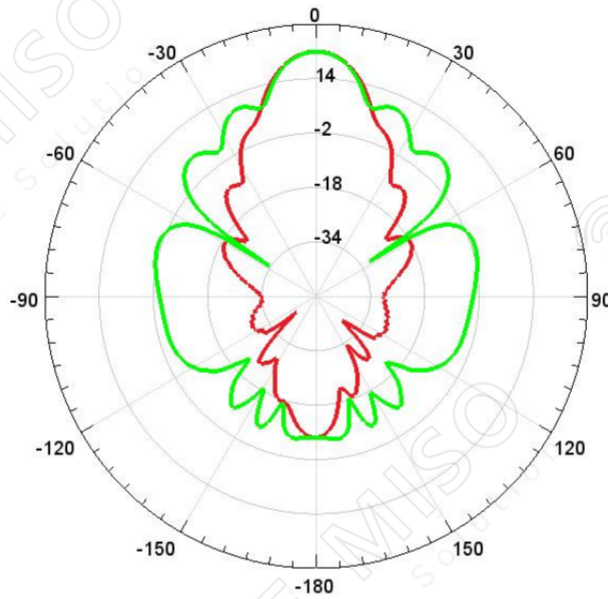
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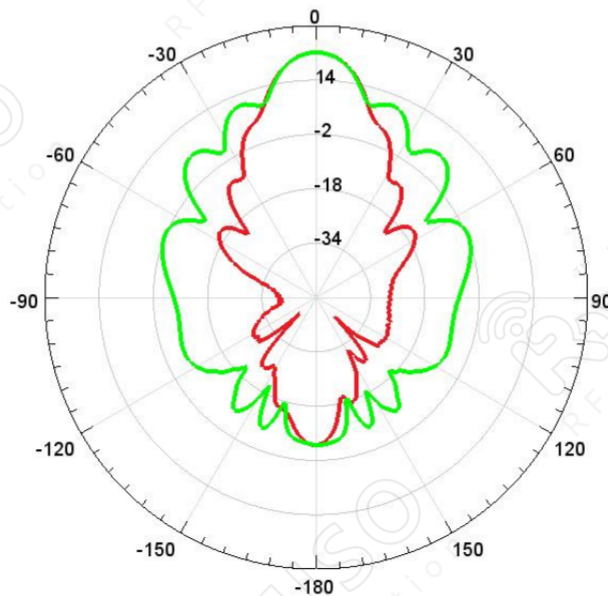
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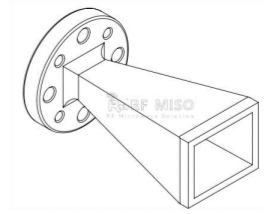
3dB Beamwidth@112.2GHz: E-Plane 14.55, H-plane 15.19.



3dB Beamwidth@117.7GHz: E-Plane 14.25, H-plane 14.44.



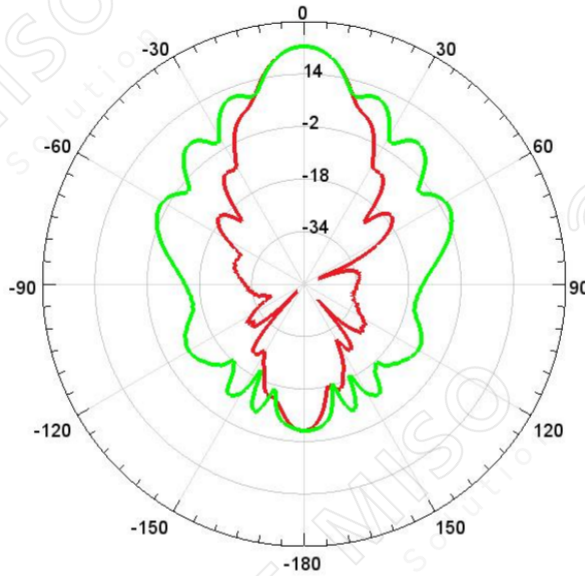
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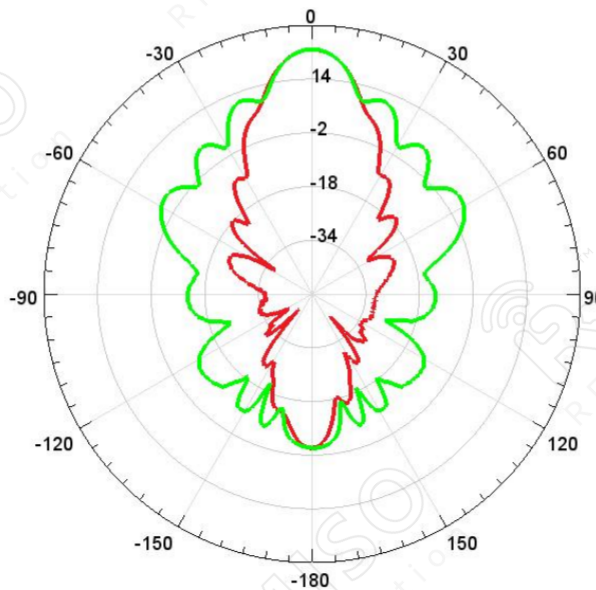
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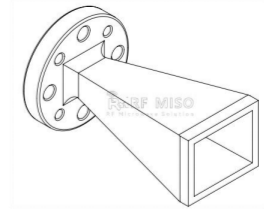
3dB Beamwidth@123.3GHz: E-Plane 13.94, H-plane 13.95.



3dB Beamwidth@128.8GHz: E-Plane 13.32, H-plane 13.45.



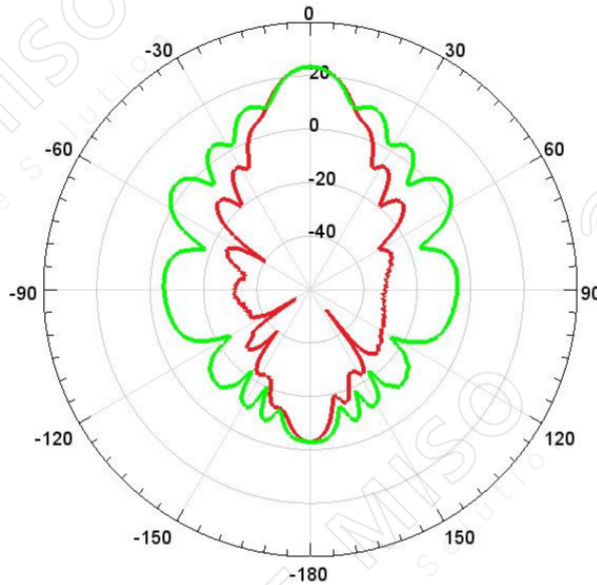
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3dB Beamwidth@134.4GHz: E-Plane 12.56, H-plane 12.88.



3dB Beamwidth@140GHz: E-Plane 12.14, H-plane 12.35.

