

*Standard Gain Horn Antenna
20dBi Typ Gain, 110-170GHz Frequency Range*

Standard Gain Horn Antenna Data Sheet

RM-SGHA6-20

Features

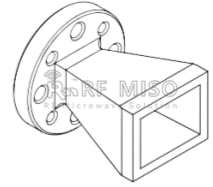
- Square Wave-guide Interface
- Low Side-lobe
- High Efficiency
- Standard Waveguide
- Linear Polarization

Descriptions

RF MISO's **Model RM-SGHA6-20** is a linear polarized standard gain horn antenna that operates from 110 to 170 GHz. The antenna offers a typical gain of 20 dBi and low VSWR 1.1. The antenna has flange input and coaxial input for customers to choose from.

Specifications

RM-SGHA6-20		
Parameters	Specification	Unit
Frequency Range	110-170	GHz
Wave-guide	WR6	
Gain	20 Typ.	dBi
VSWR	1.1	
Polarization	Linear	
Cross Polarization	>50	dB
Material	Cu	
Finishing	Gold Paint	
Size	19.05*22.25*19.05(L*W*H)	mm
Weight	0.018	kg

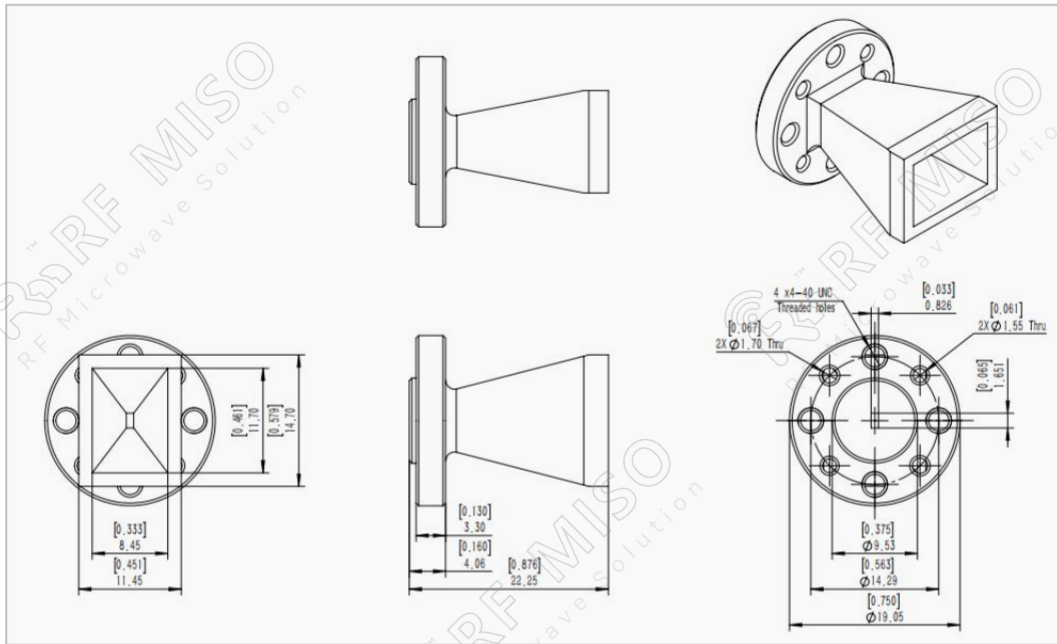


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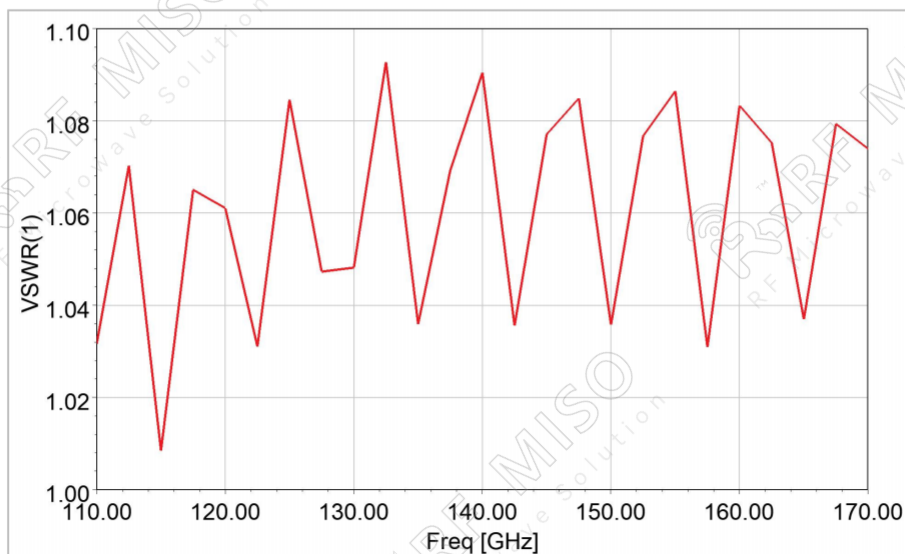
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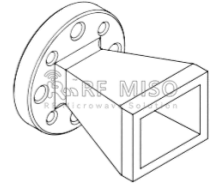
Outline Drawing



Simulated Results

VSWR



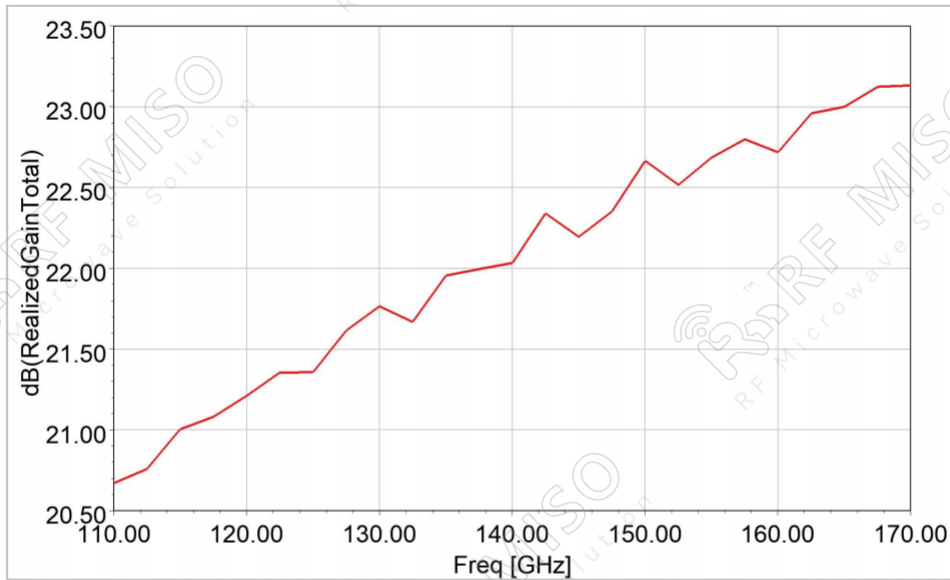


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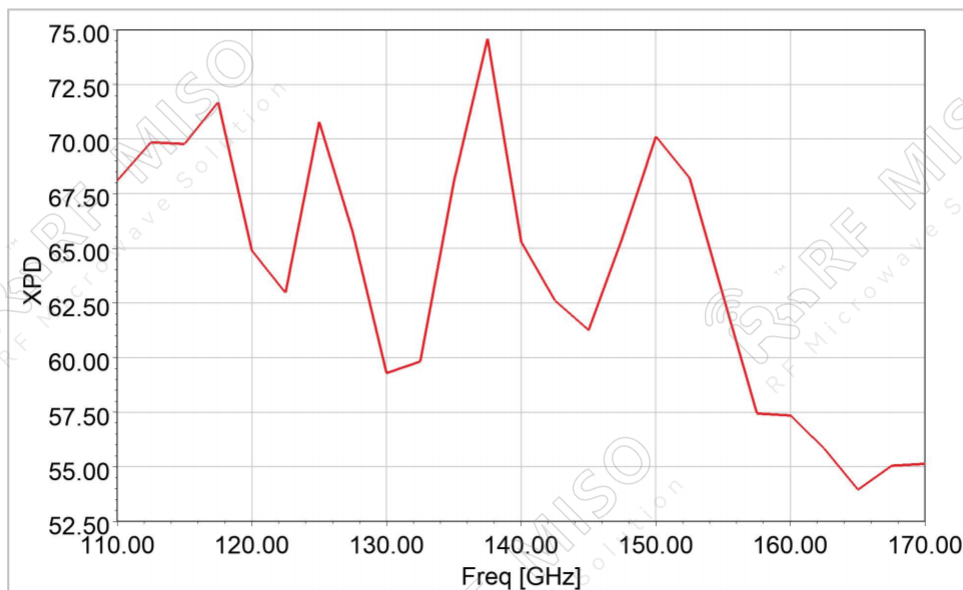
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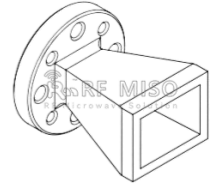
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Gain



Cross Polarization



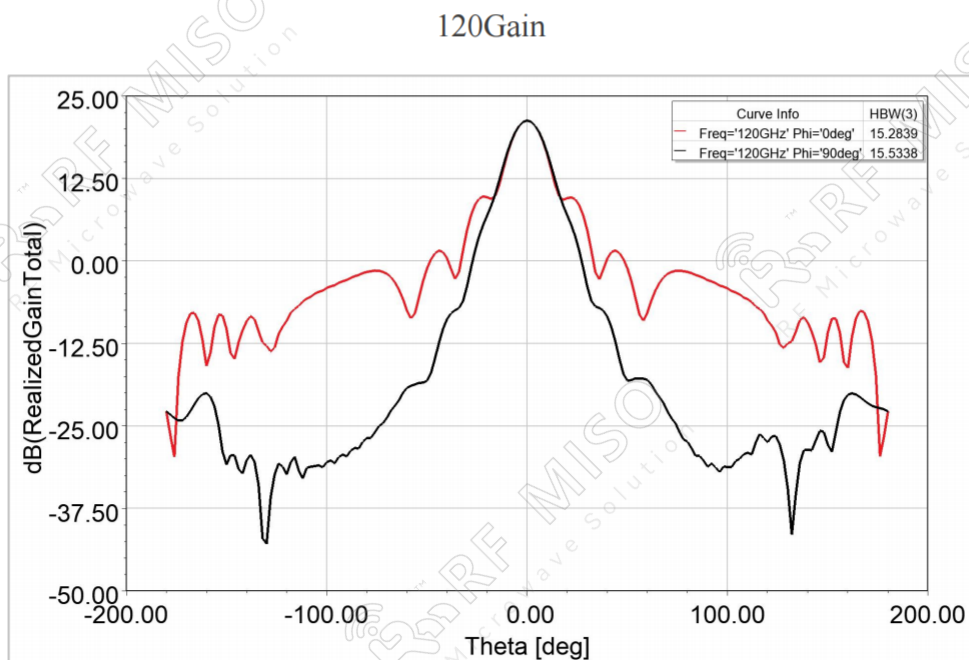
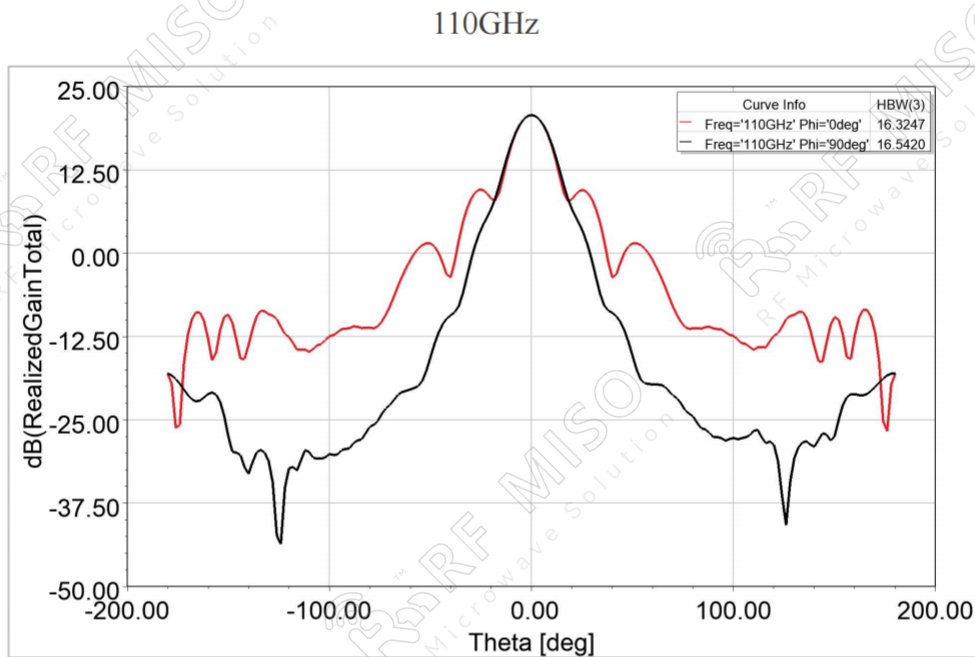


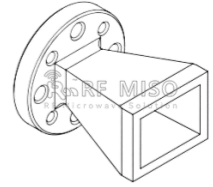
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Gain Pattern



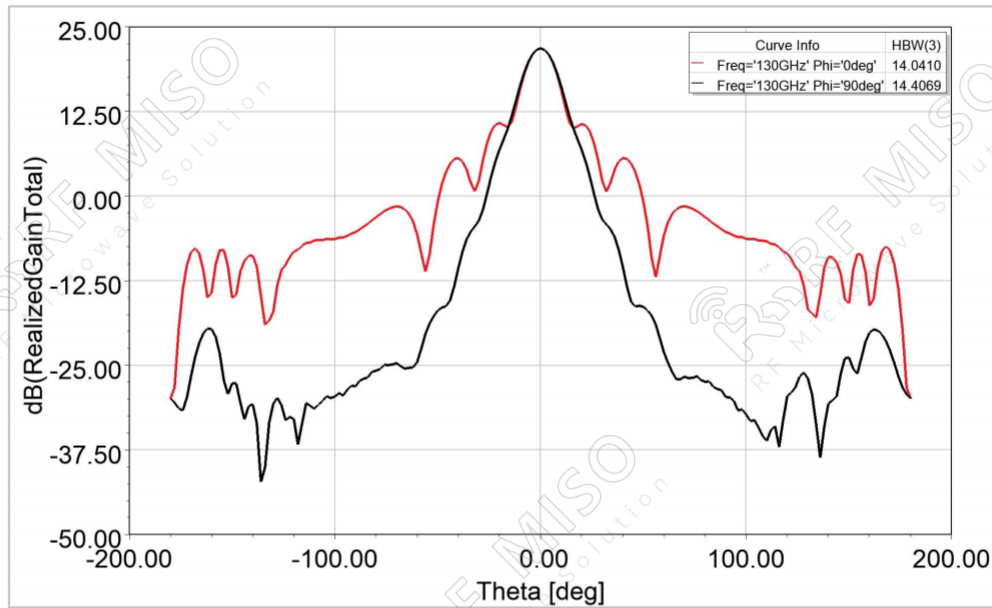


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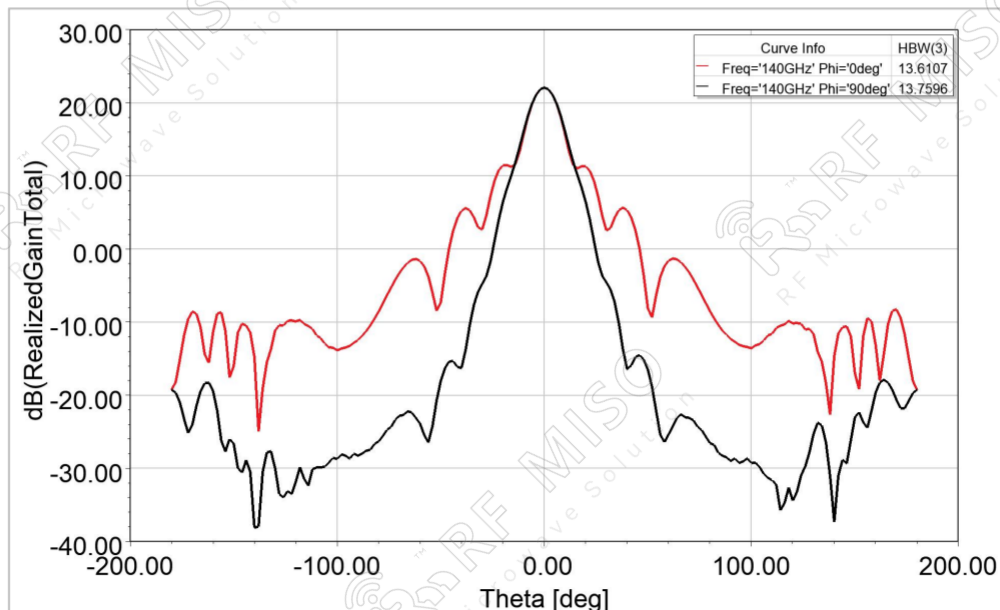
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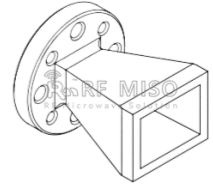
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130GHz



140GHz



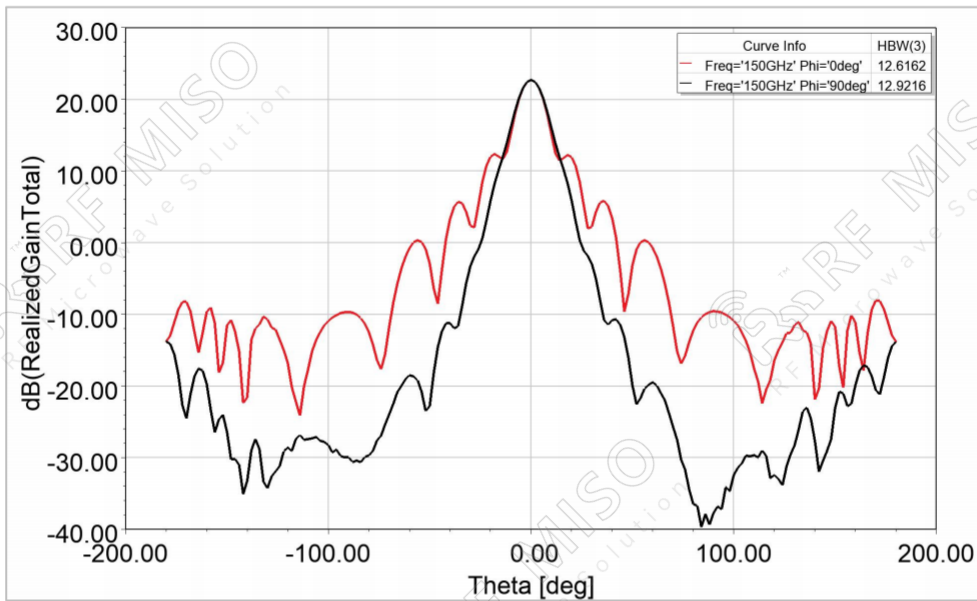


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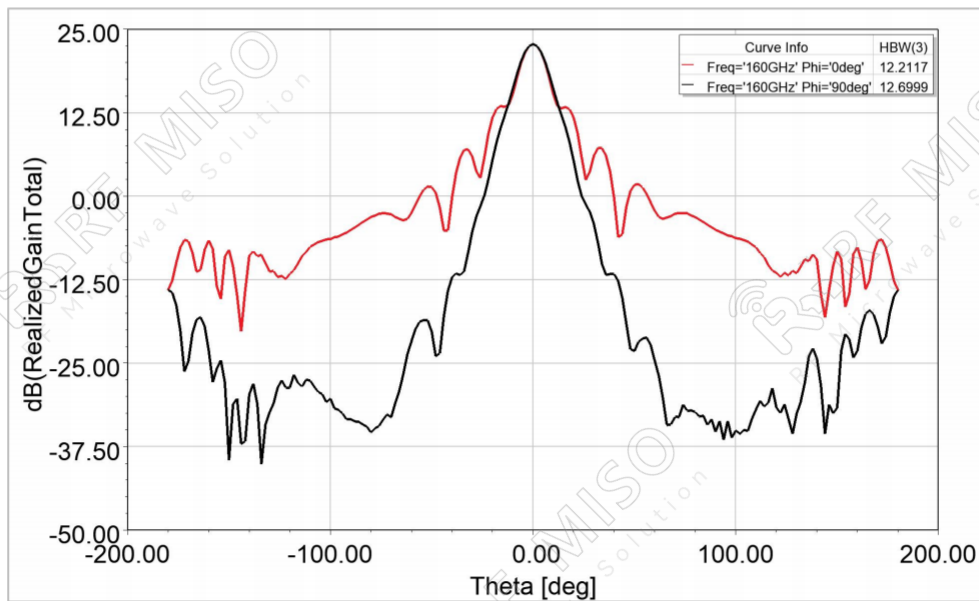
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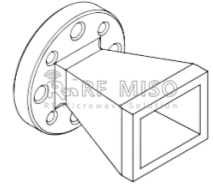
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150GHz



160GHz





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170GHz

