

*Standard Gain Horn Antenna
23dBi Typ Gain, 140-220GHz Frequency Range*

Standard Gain Horn Antenna Data Sheet

RM-SGHA5-23

Features

- Wave-guide and Connector Interface
- Low Side-lobe
- Standard Waveguide
- Linear Polarization

Descriptions

RF MISO's **Model RM-SGHA5-23** is a linear polarized standard gain horn antenna that operates from 140 to 220 GHz. The antenna offers a typical gain of 23 dBi and low VSWR 1.1. The antenna has flange input and coaxial input for customers to choose from.

Specifications

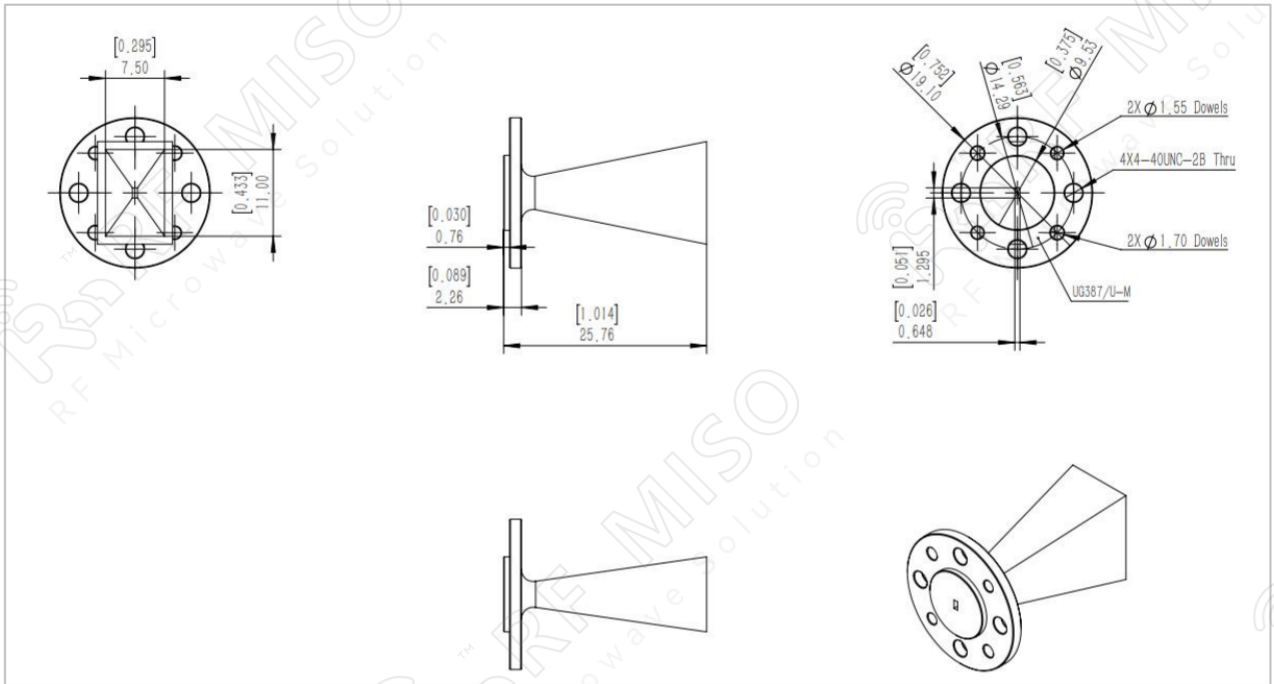
RM-SGHA5-23		
Parameters	Specification	Unit
Frequency Range	140-220	GHz
Wave-guide	WR5	
Gain	23 Typ.	dBi
VSWR	1.1 Max	
Polarization	Linear	
Cross Polarization	60 Typ.	dB
Material	Cu	
Finishing	Gold Paint	
Size (L*W*H)	25.76*19.1*19.1 (±5)	mm
Weight	0.009	kg

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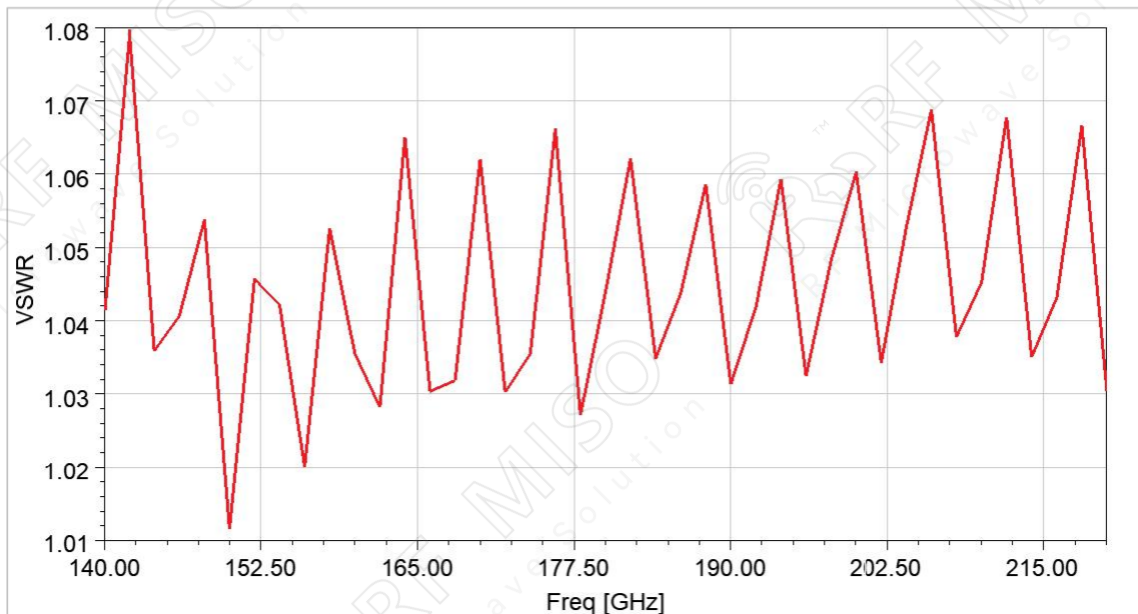
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Outline Drawing



Simulated Results

VSWR

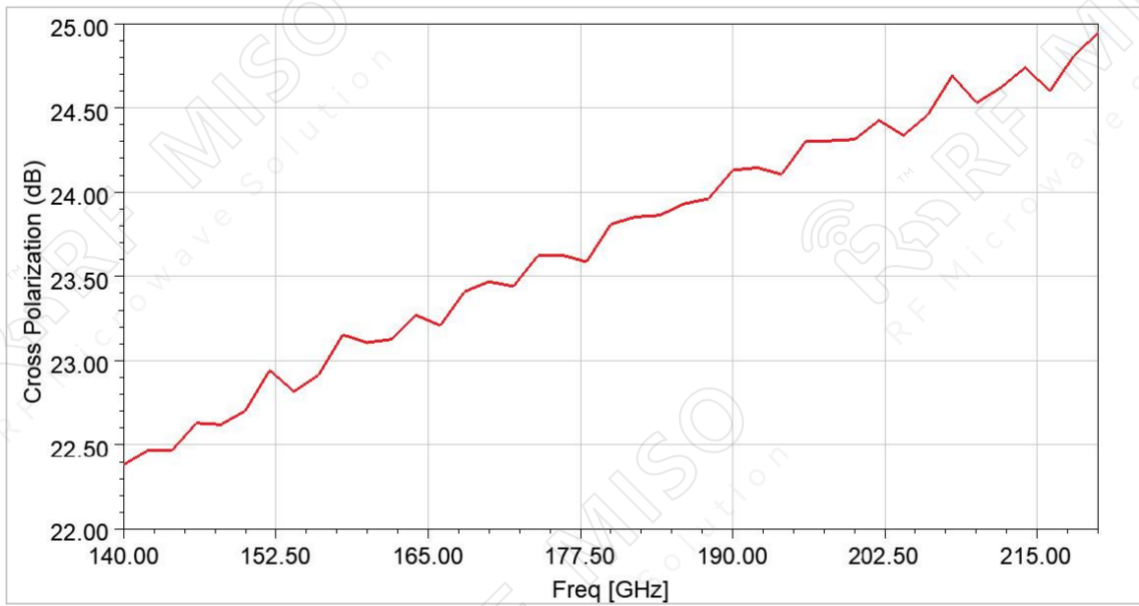


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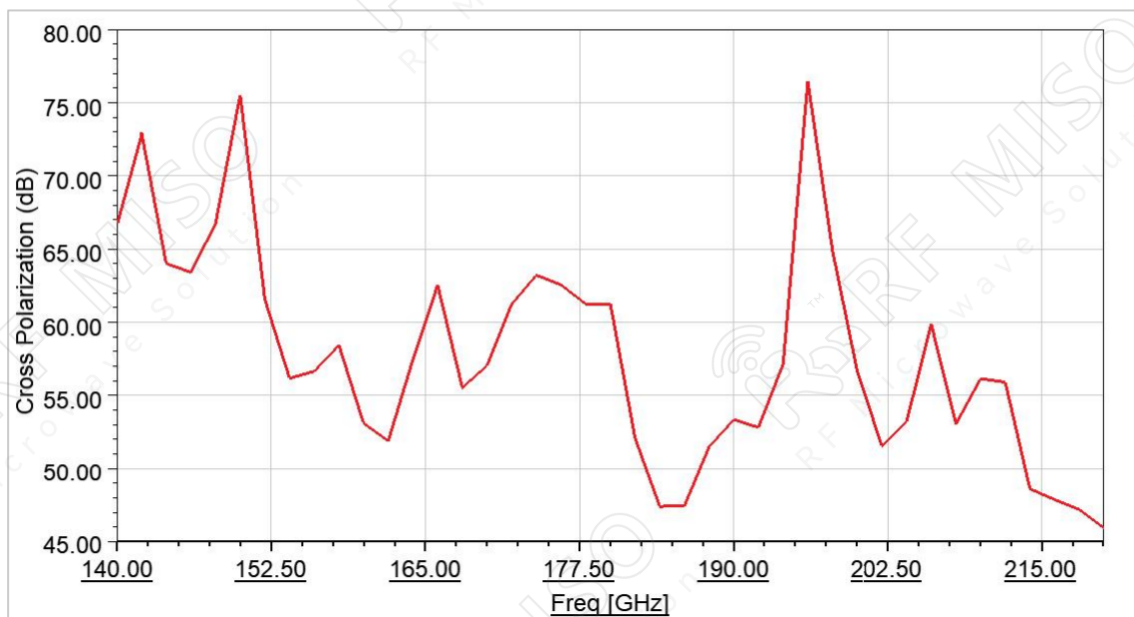
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Gain



Cross Polarization

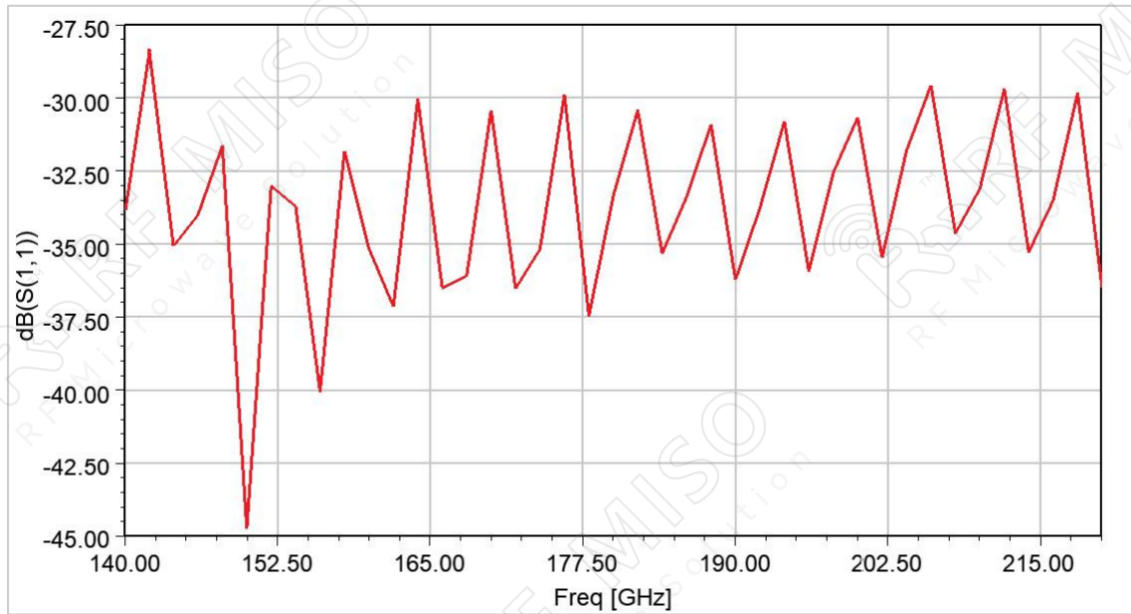


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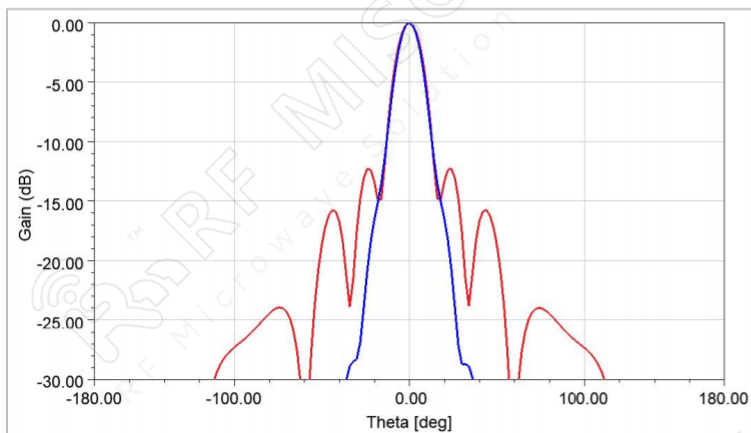
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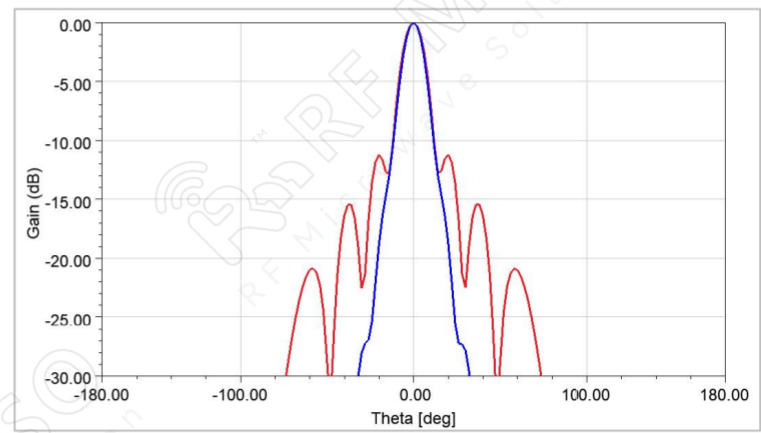
Return Loss



Gain Pattern



140 GHz

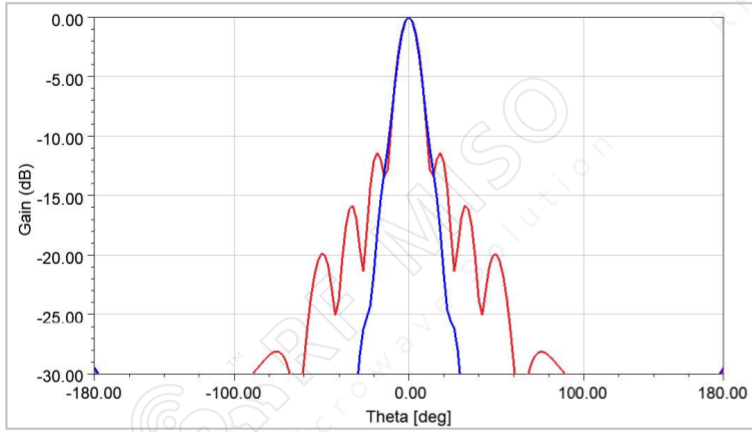


160 GHz

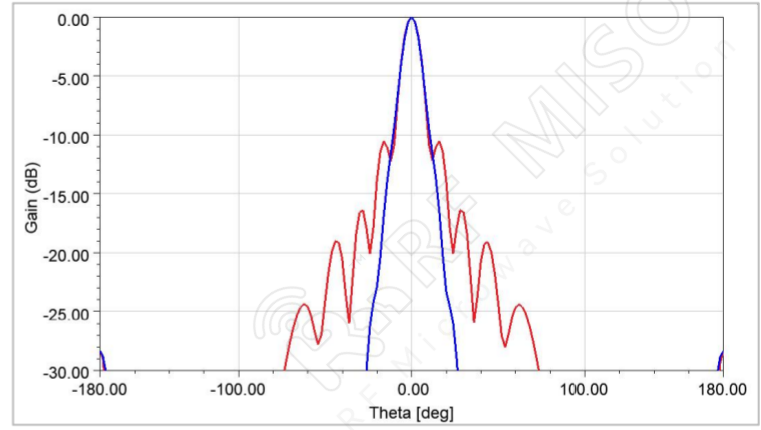
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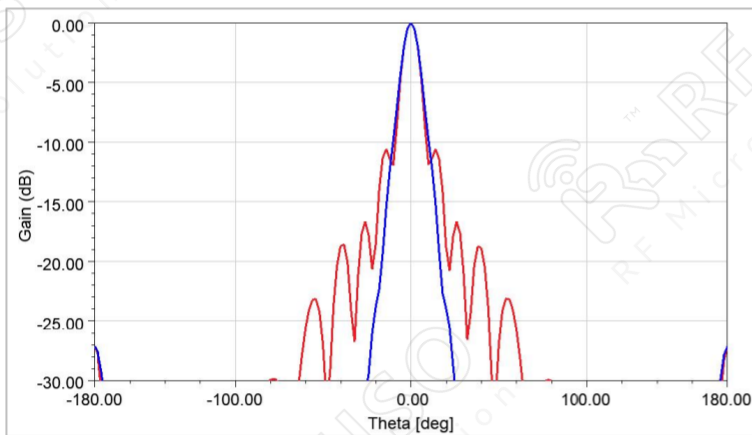
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180 GHz



200 GHz



220 GHz