

Standard Gain Horn Antenna  
25dBi Typ. Gain, 50-75 GHz Frequency Range

## Standard Gain Horn Antenna Data Sheet

**RM-SGHA15-25**

### Features

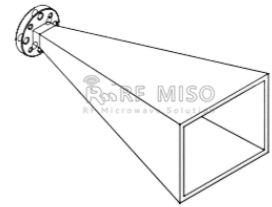
- Wave-guide and Connector Interface
- Low Side-lobe
- Linear Polarization
- High Return Loss

### Descriptions

RF MISO's **Model RM-SGHA15-25** is a linear polarized standard gain horn antenna that operates from 50 to 75 GHz. The antenna offers a typical gain of 25 dBi and low VSWR 1.1:1. This antenna has flange input and coaxial input for customers to rotate.

### Specifications

RM-SGHA15-25		
Parameters	Specification	Unit
Frequency Range	50-75	GHz
Wave-guide	WR15	
Gain	25 Typ.	dBi
VSWR	1.1 Typ.	
Polarization	Linear	
Cross Polarization Isolation	50	dB
Material	Cu	
Finishing	Gold Plate	
C Type Size(L*W*H)	97.3*44.99*34.74(±5)	mm
Weight	0.045	kg

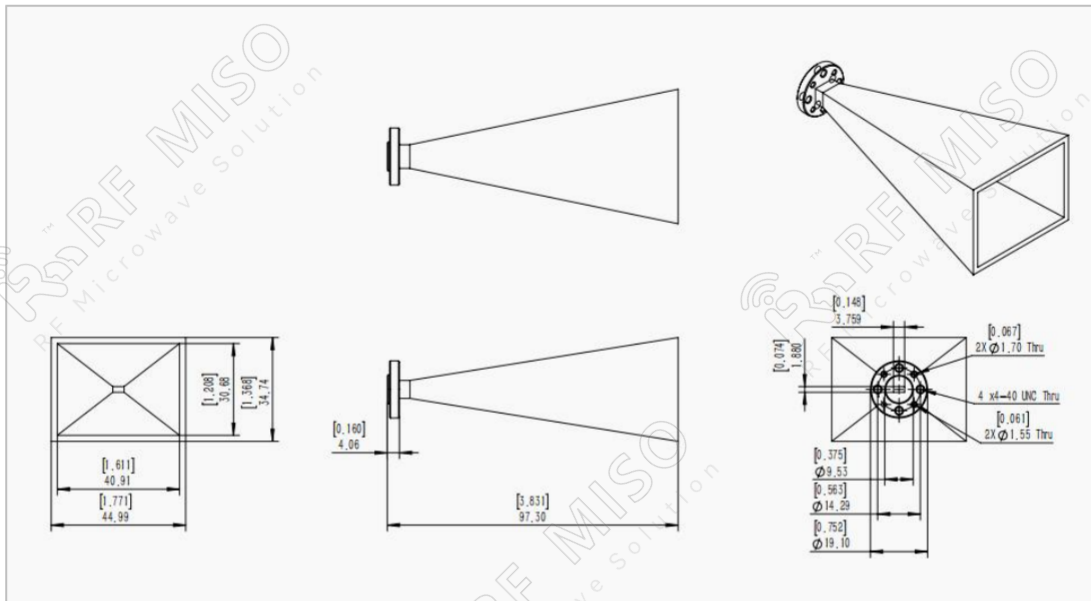


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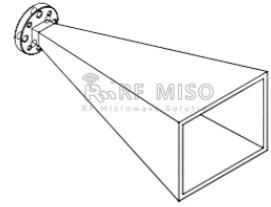
**Outline Drawing**



**Simulation Result**

**VSWR**



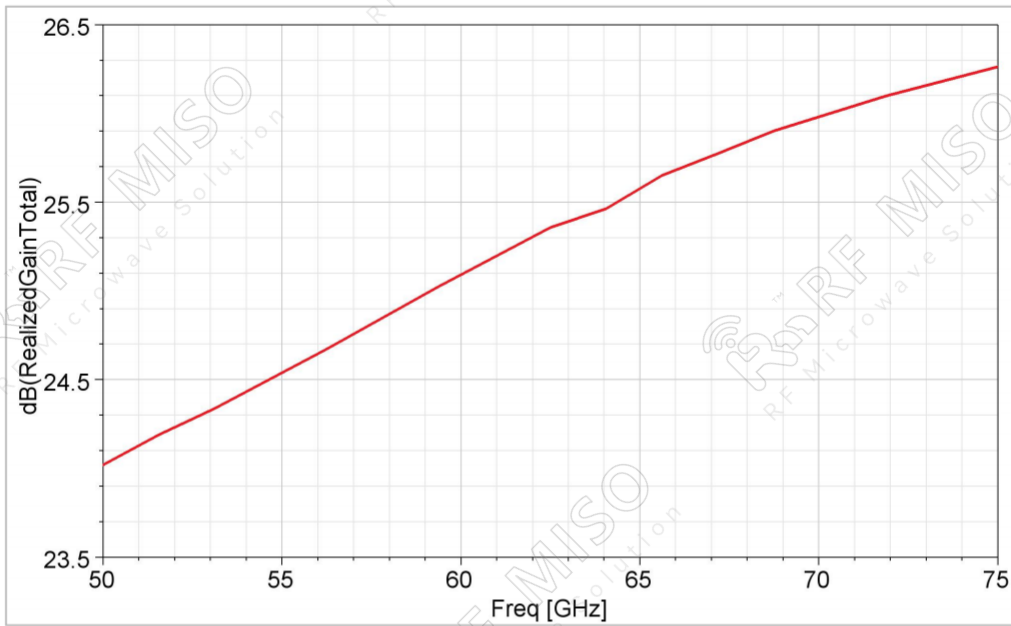


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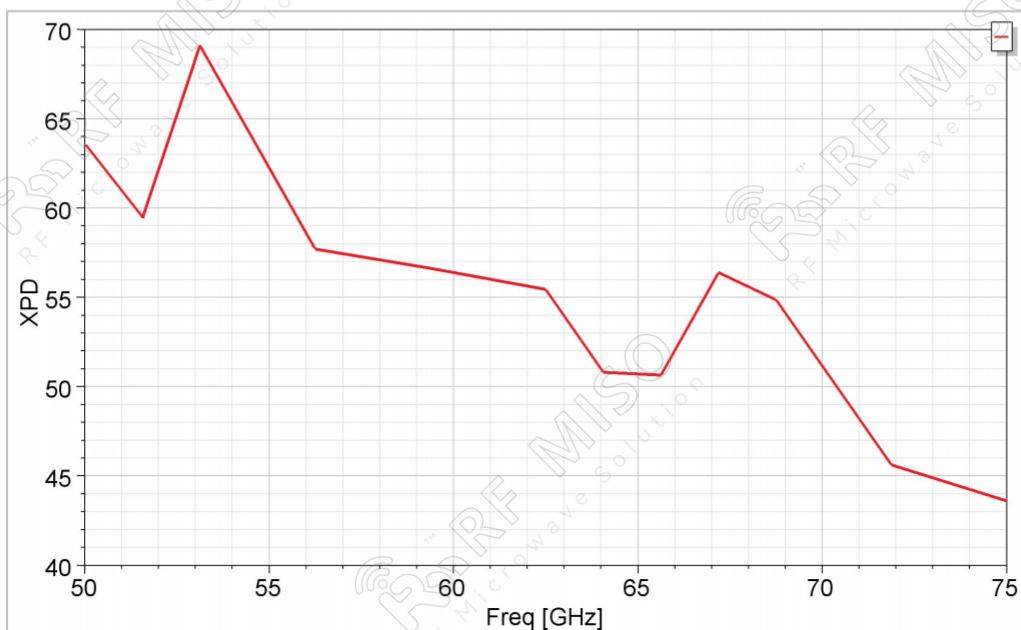
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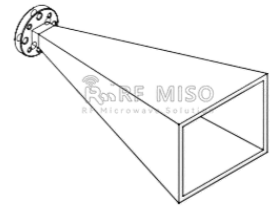
**RM-SGHA15-25**

Gain



Cross Polarization(dB)





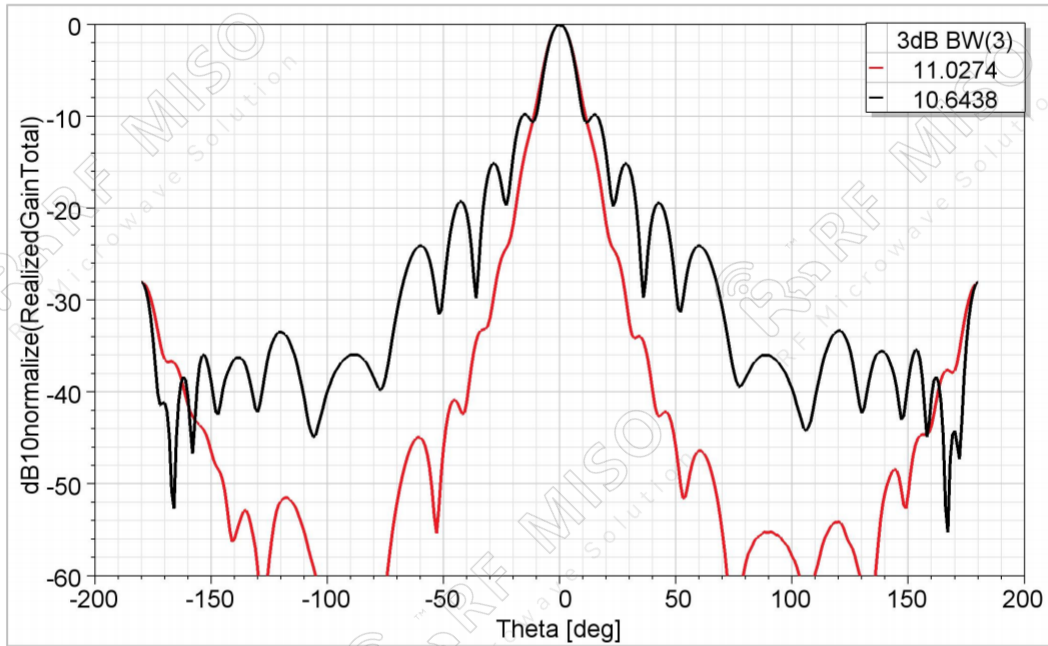
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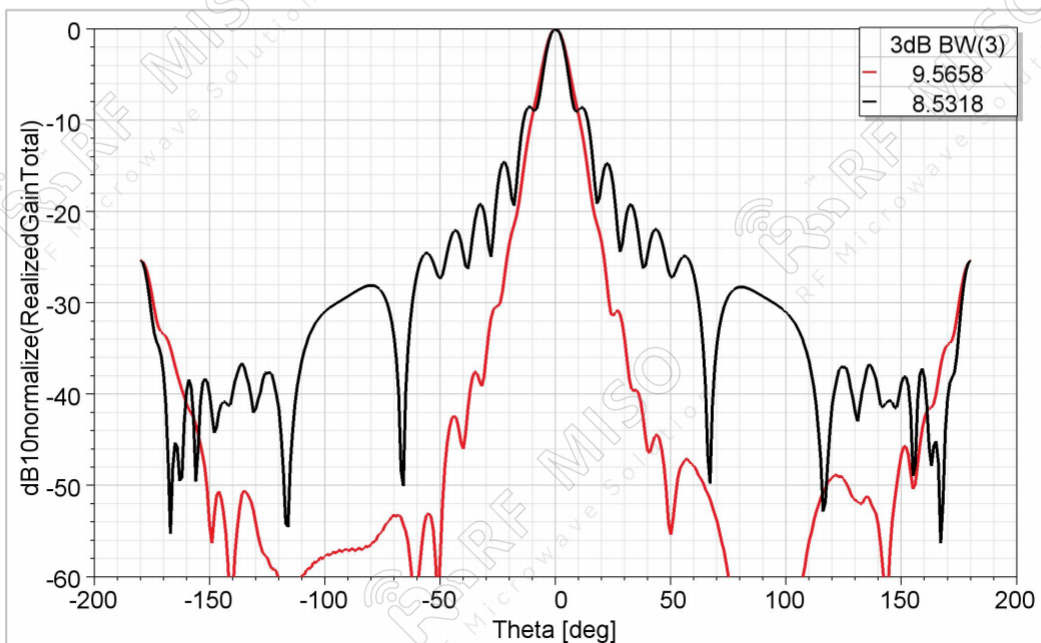
**RM-SGHA15-25**

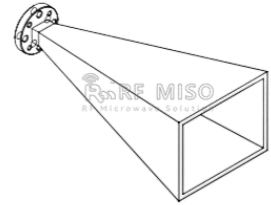
**Gain Pattern**

**50GHz**



**62.5GHz**





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75GHz

