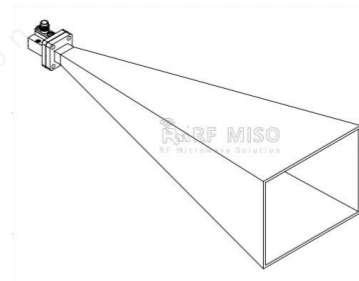


Standard Gain Horn Antenna
25dBi Typ. Gain, 22-33 GHz Frequency Range



Standard Gain Horn Antenna Data Sheet

RM-SGHA34-25

Features

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

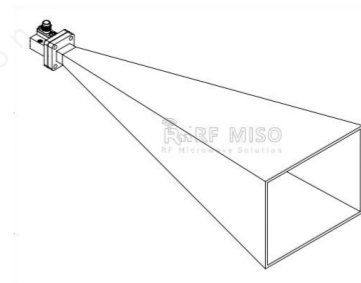
Descriptions

RF MISO's **Model RM-SGHA34-25** is a linear polarized standard gain horn antenna that operates from 22 to 33 GHz. The antenna offers a typical gain of 25 dBi and low VSWR 1.2:1. The antenna has a typical 3dB beamwidth of 8.5 degrees on the E plane and 9.8 degrees on H plane. This antenna has flange input and coaxial input for customers to rotate. Antenna mounting brackets include ordinary I/L-type mounting bracket and rotating L-type bracket^①

Specifications

Parameters	Specification	Unit
Frequency Range	22-33	GHz
Wave-guide	WR34	
Gain	25 Typ.	dBi
VSWR	<1.2	
Polarization	Linear	
3 dB Beamwidth, E-Plane	8.5 Typ.	
3 dB Beamwidth, H-Plane	9.8 Typ.	
Cross polarization	65	dB
Interface	2.4-Female	
Material, Finishing	Al, Paint	
Size (L*W*H)	262.7*92.7*72.2 (±5)	mm
Weight	0.243	kg
Average Power	10	W
Peak Power	20	W
Operating Temperature	-40° ~+85°	° C

Standard Gain Horn Antenna
25dBi Typ. Gain, 22-33 GHz Frequency Range

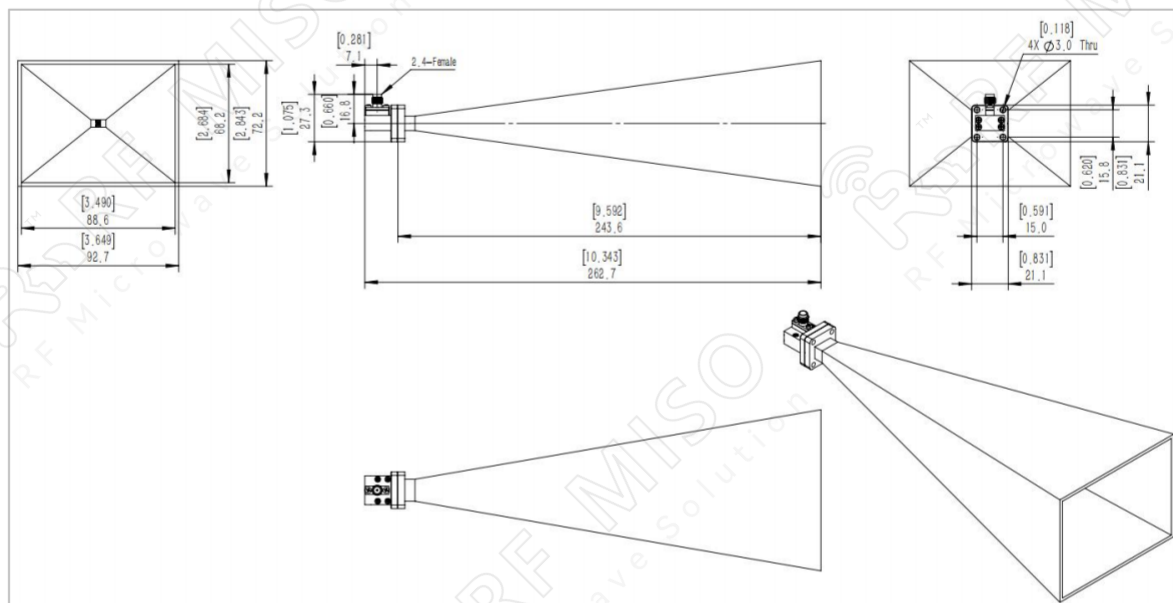


Standard Gain Horn Antenna Data Sheet

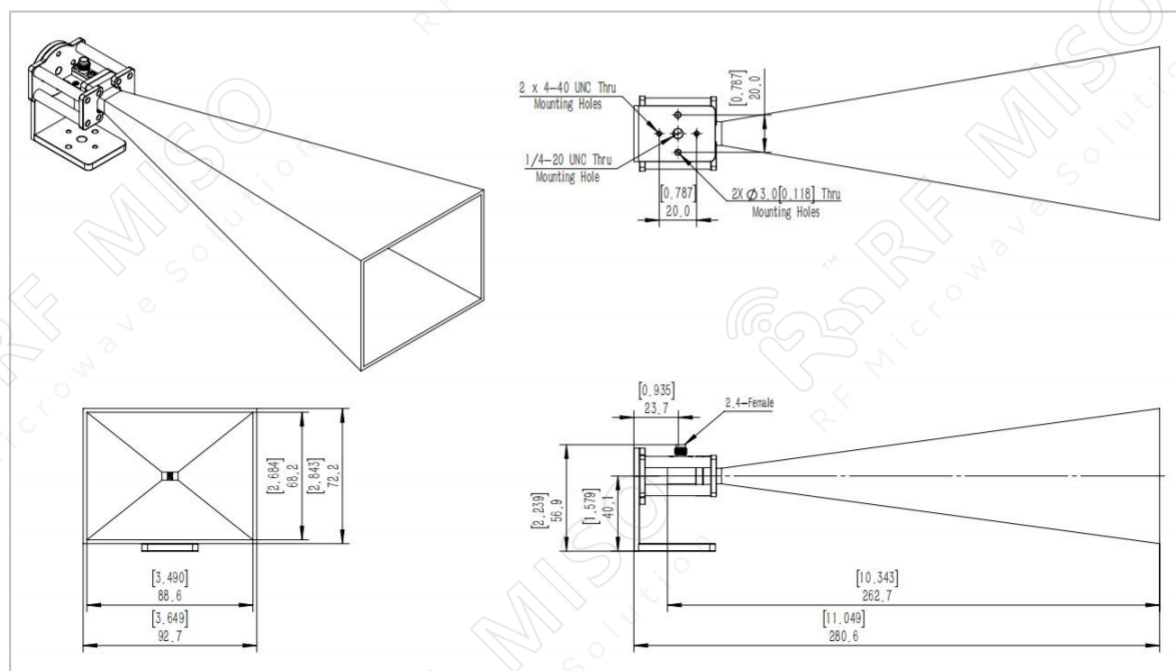
RM-SGHA34-25

Mechanical Drawing (P/N: RM-SGHA34-25C)

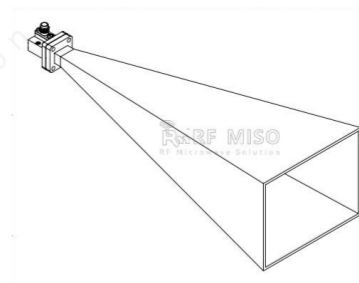
2.92mm-type connector is available, please contact RF Miso.



Mechanical Drawing with Original L-type Mounting Bracket (P/N: RM-SGHA34-25CL)



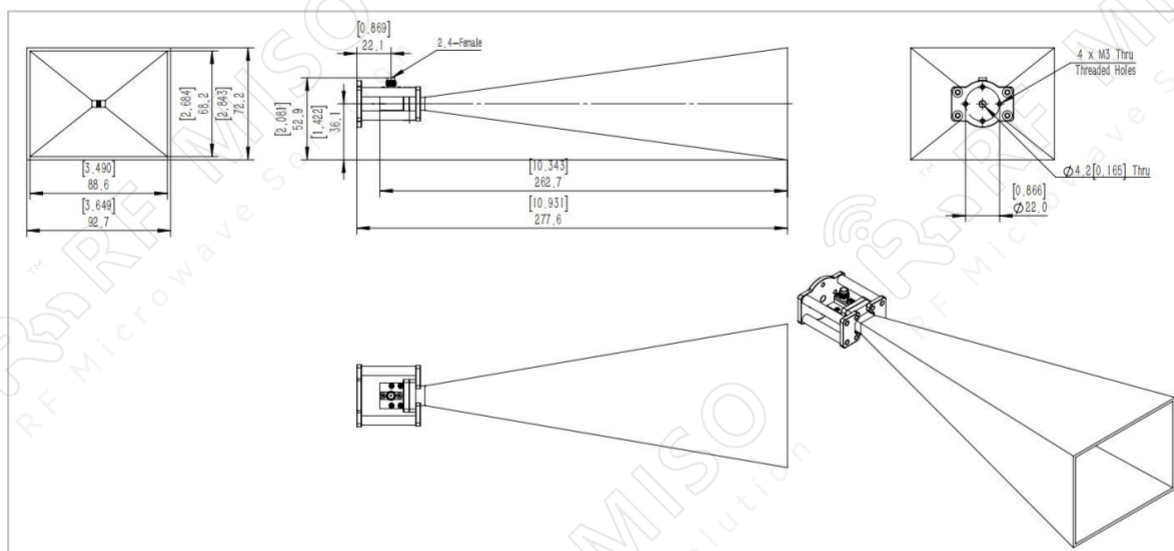
Standard Gain Horn Antenna
25dBi Typ. Gain, 22-33 GHz Frequency Range



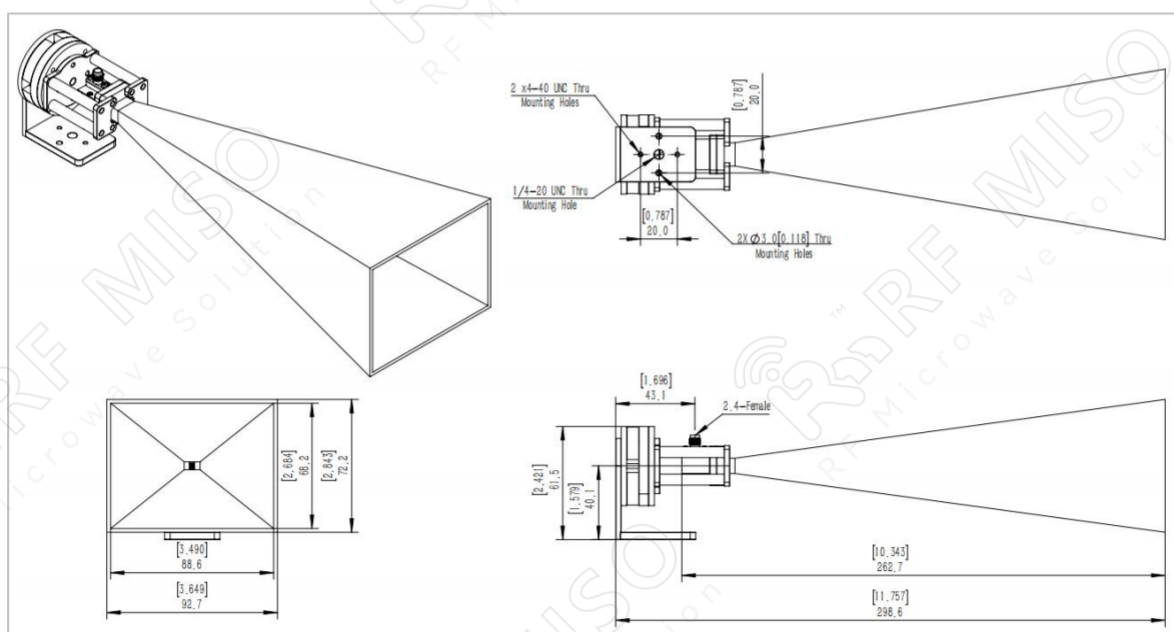
Standard Gain Horn Antenna Data Sheet

RM-SGHA34-25

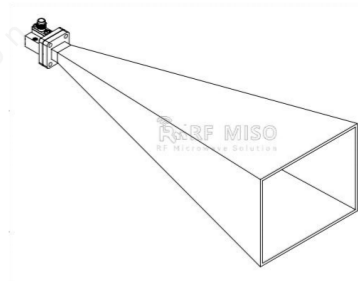
Mechanical Drawing with Original I-type Mounting Bracket (P/N: RM-SGHA34-25CI)



Mechanical Drawing with Rotating L-type Mounting Bracket (P/N: RM-SGHA34-24CR)



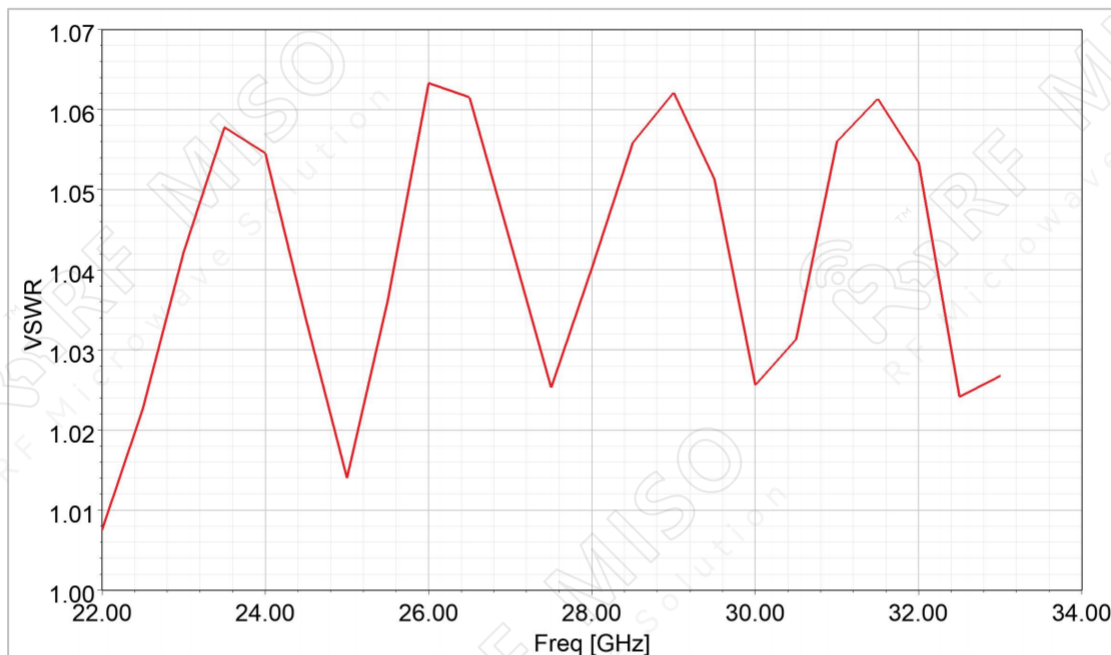
Standard Gain Horn Antenna
25dBi Typ. Gain, 22-33 GHz Frequency Range



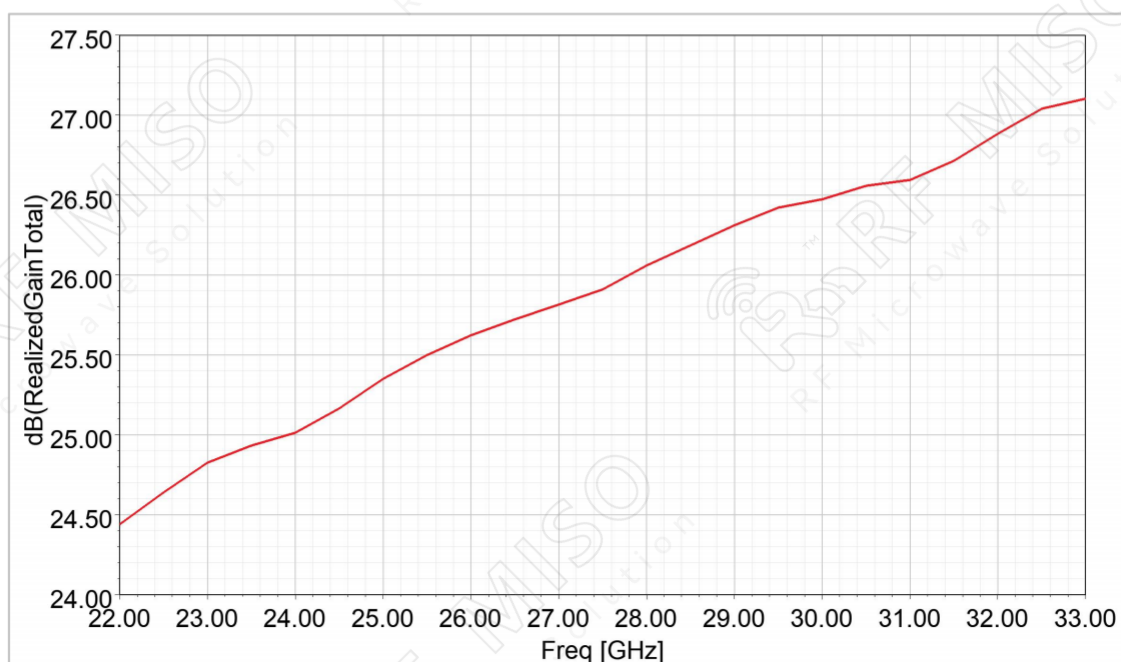
Standard Gain Horn Antenna Data Sheet

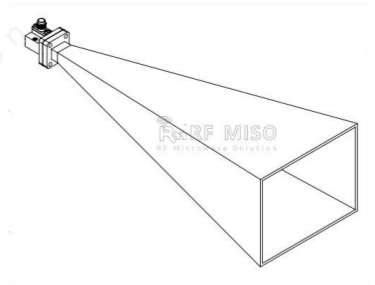
RM-SGHA34-25

VSWR



Gain



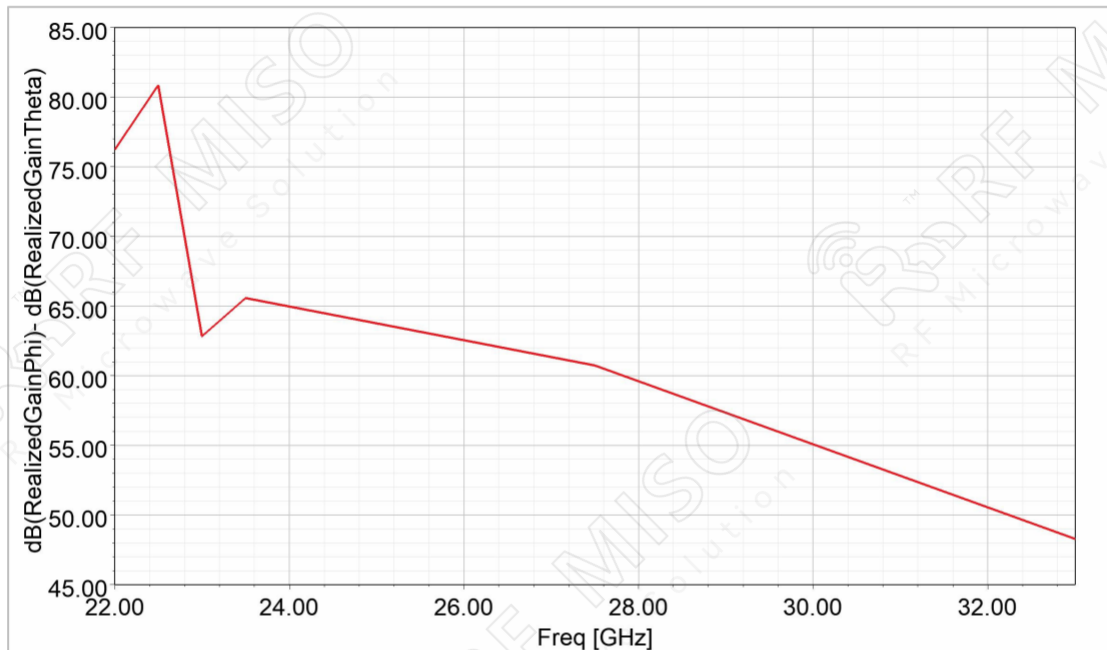


Standard Gain Horn Antenna
25dBi Typ. Gain, 22-33 GHz Frequency Range

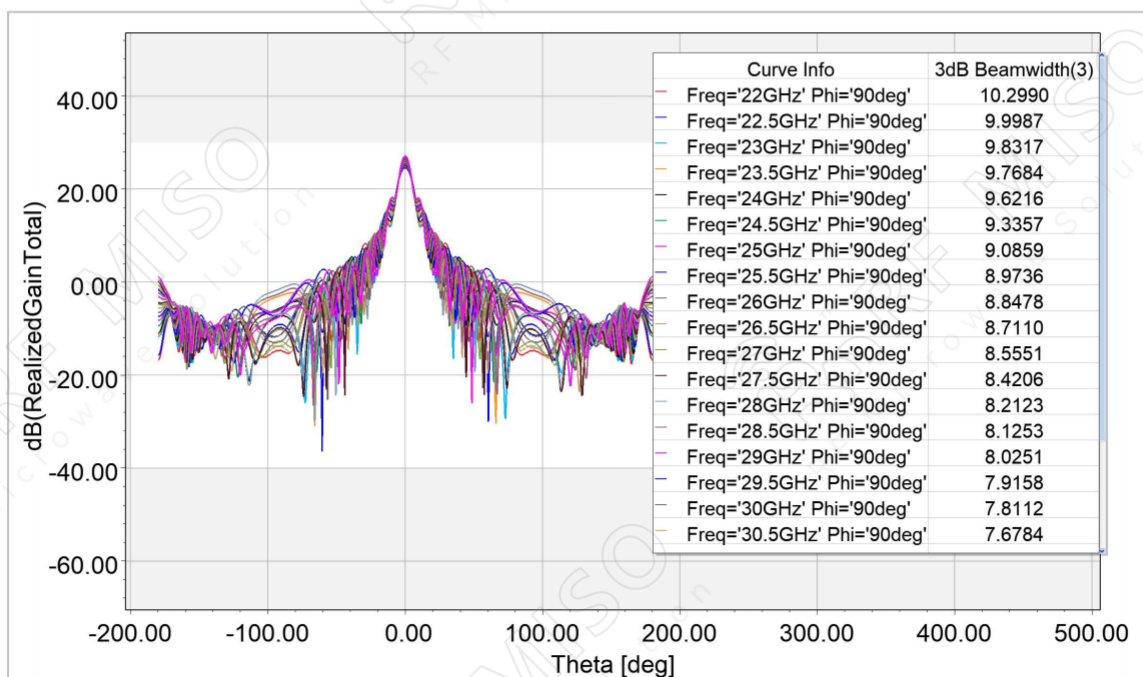
Standard Gain Horn Antenna Data Sheet

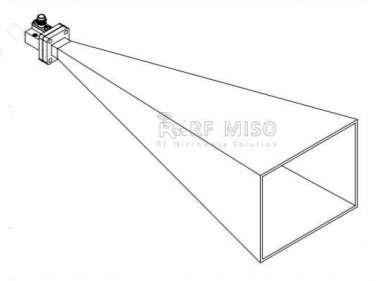
RM-SGHA34-25

Cross polarization



Gain Pattern E-plane



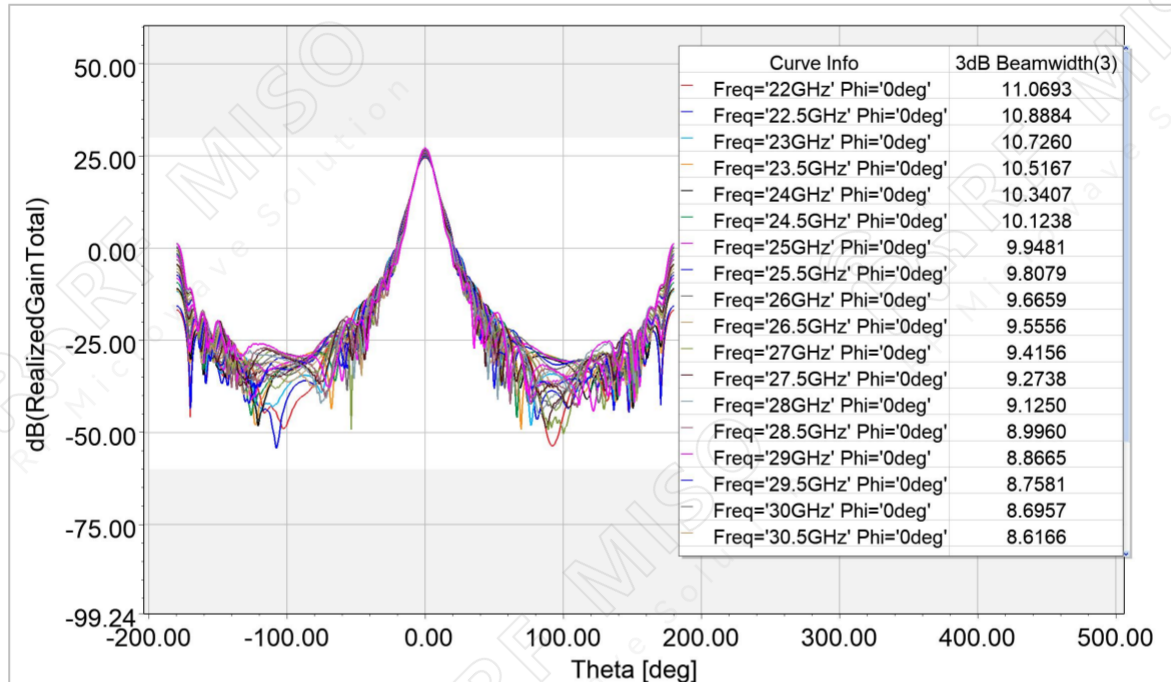


Standard Gain Horn Antenna
25dBi Typ. Gain, 22-33 GHz Frequency Range

Standard Gain Horn Antenna Data Sheet

RM-SGHA34-25

Gain Pattern H-plane



① **Rotating L-type bracket:** The rotating bracket is used for antenna polarization adjustment, and the tooling integrated with the bracket can precisely adjust the polarization directions of 0° , 45° , and 90° to ensure the accuracy and consistency of the calibration results.

Note:

- If the data presented is simulated. Actual data may vary unit to unit, slightly.
- Any foreign objects in the wave-guide will cause performance degradation and possible device damage.
- We can customize antennas according to your specific needs.