

Standard Gain Horn Antenna
20dBi Typ. Gain, 75-110 GHz Frequency Range

Standard Gain Horn Antenna Data Sheet

RM-SGHA10-20

Features

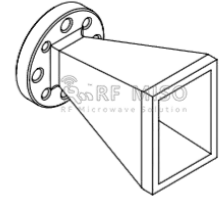
- Wave-guide and Connector Interface
- Low Side-lobe
- Linear Polarization
- High Return Loss

Descriptions

RF MISO's **Model RM-SGHA10-20** is a linear polarized standard gain horn antenna that operates from 75 to 110 GHz. The antenna offers a typical gain of 20dBi and low VSWR 1.1:1. This antenna has flange input and coaxial input for customers to rotate.

Specifications

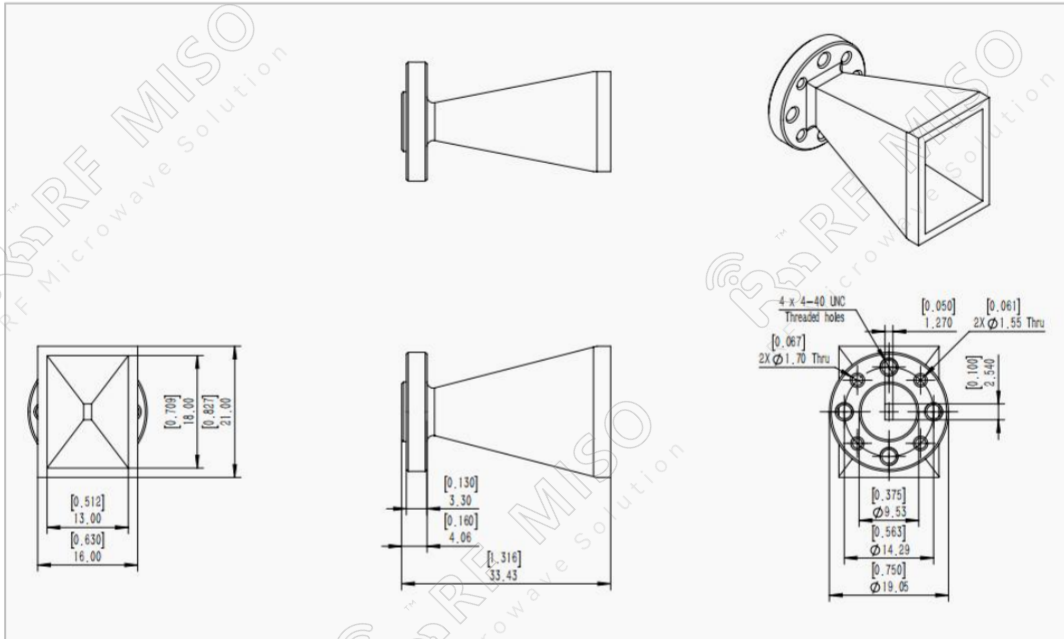
| RM-SGHA10-20 | | |
|------------------------------|-----------------|------|
| Parameters | Specification | Unit |
| Frequency Range | 75-110 | GHz |
| Wave-guide | WR10 | |
| Gain | 20 Typ. | dBi |
| VSWR | 1.1 Typ. | |
| Polarization | Linear | |
| Cross Polarization Isolation | >50 | dB |
| Material | Cu | |
| Finishing | Gold Plate | |
| C Type Size(L*W*H) | 16*33.43*21(±5) | mm |
| Weight | 0.03 | kg |



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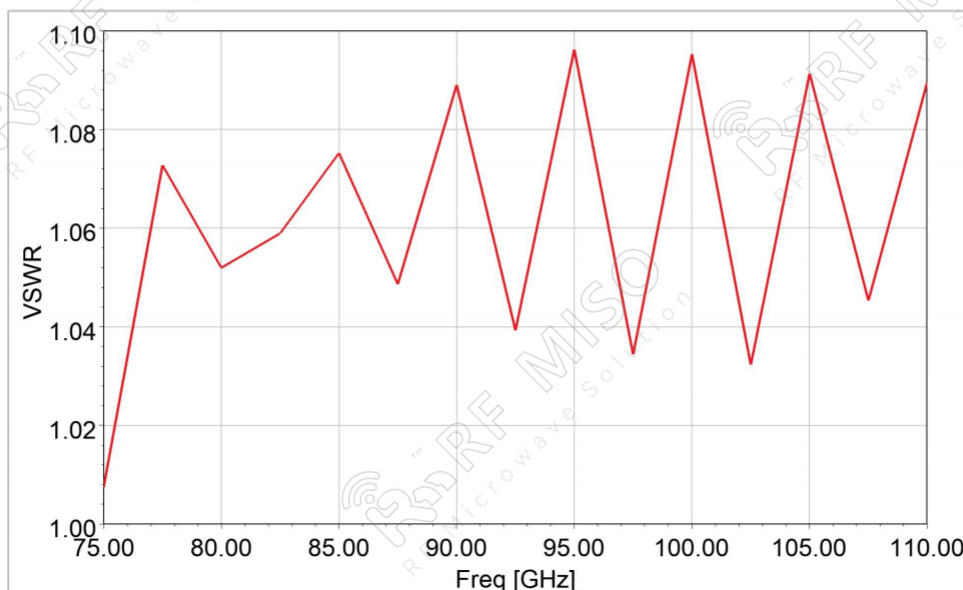
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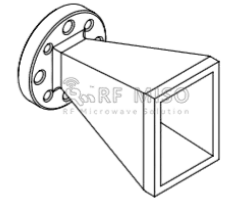
Outline Drawing



Simulation Result

VSWR



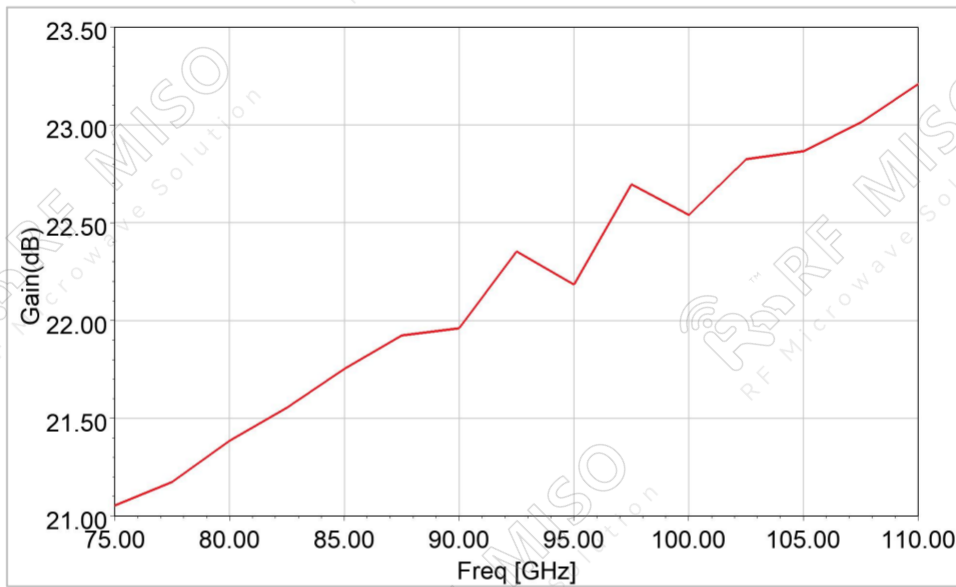


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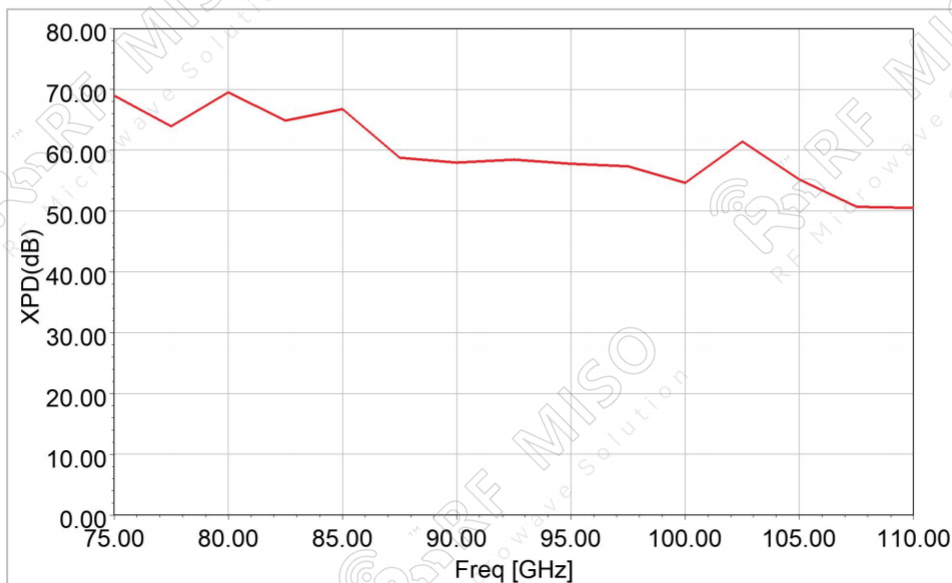
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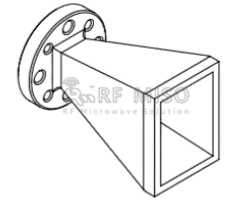
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Gain



Cross Polarization (dB)





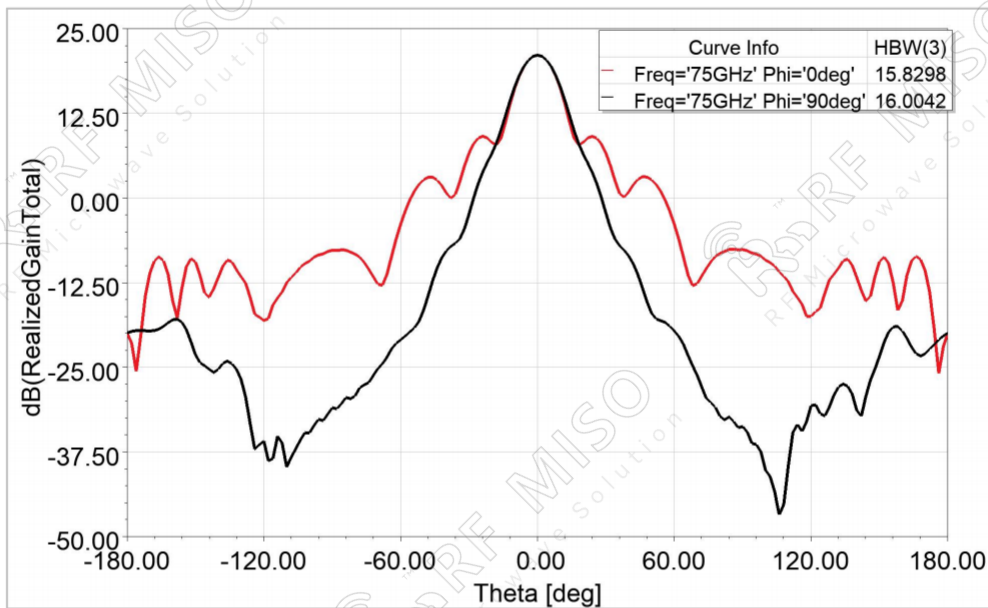
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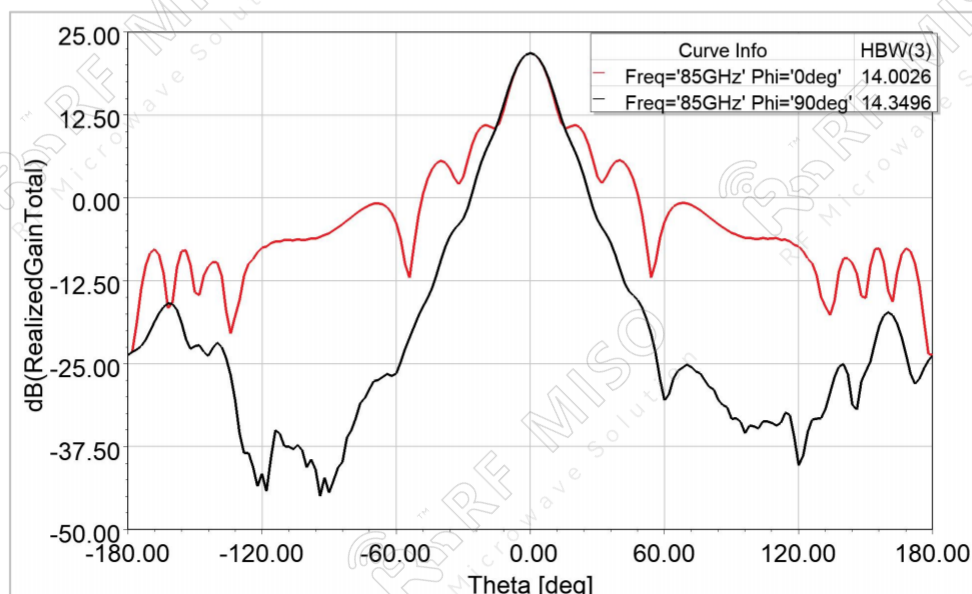
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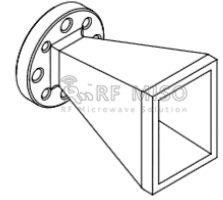
Gain Pattern

75GHz



85GHz



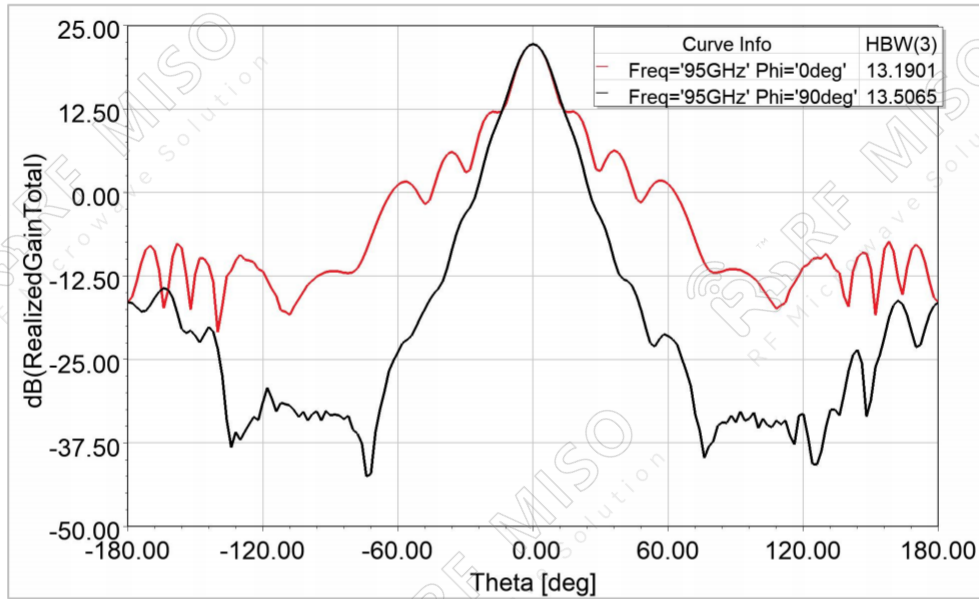


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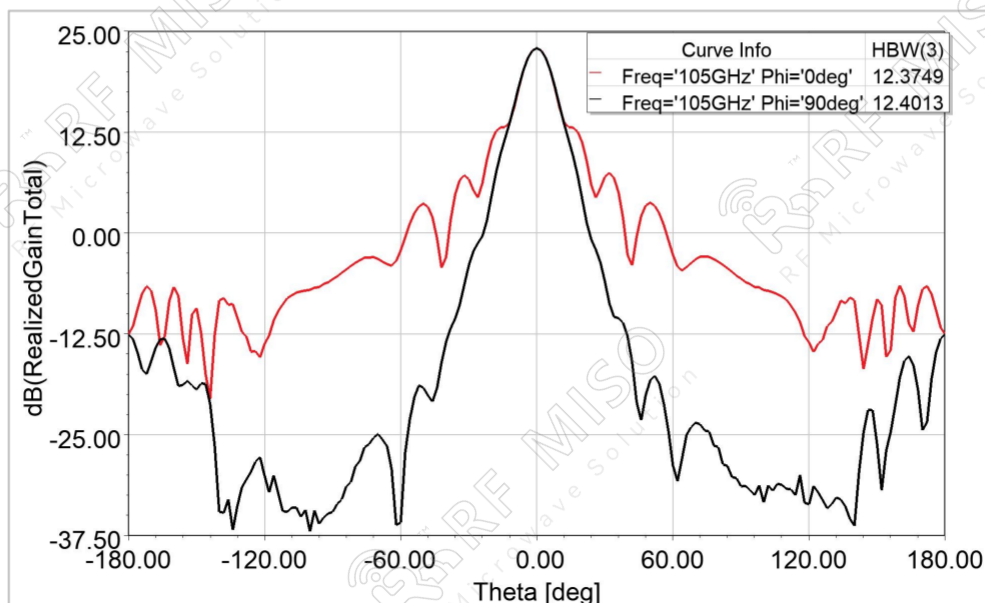
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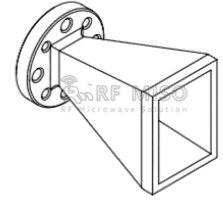
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95GHz



105GHz





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110GHz

