

*Broadband Horn Antenna
14 dBi Typ. Gain, 4-40 GHz Frequency Range*

Broadband Horn Antenna Data Sheet

RM-BDHA440-14

Features

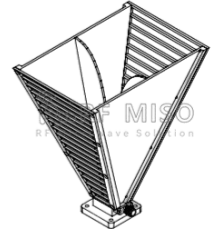
- Ideal for Antenna Measurement
- Low VSWR
- Light Weight
- Broadband Operation
- Linear Polarized
- Small Size

Descriptions

RF MISO's **Model RM-BDHA440-14** is a linear polarized broadband horn antenna that operates from 4 to 40 GHz. The antenna offers a typical gain of 14 dBi and low VSWR 1.4:1 with 2.92-Female connector. The antenna is used for long time trouble-free applications in indoor and outdoor environments. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other applications.

Specifications

RM-BDHA440-14		
Parameters	Typical	Units
Frequency Range	4-40	GHz
Gain	14 Typ.	dBi
VSWR	1.4 Typ.	
Polarization	Linear	
Connector	2.92-Female	
Treatment	Paint	
Size (L*W*H)	128.4*150.9*90(±5)	mm
Weight	0.128	kg
Material	Al	
Power Handling, CW	20	W
Power Handling, Peak	40	W

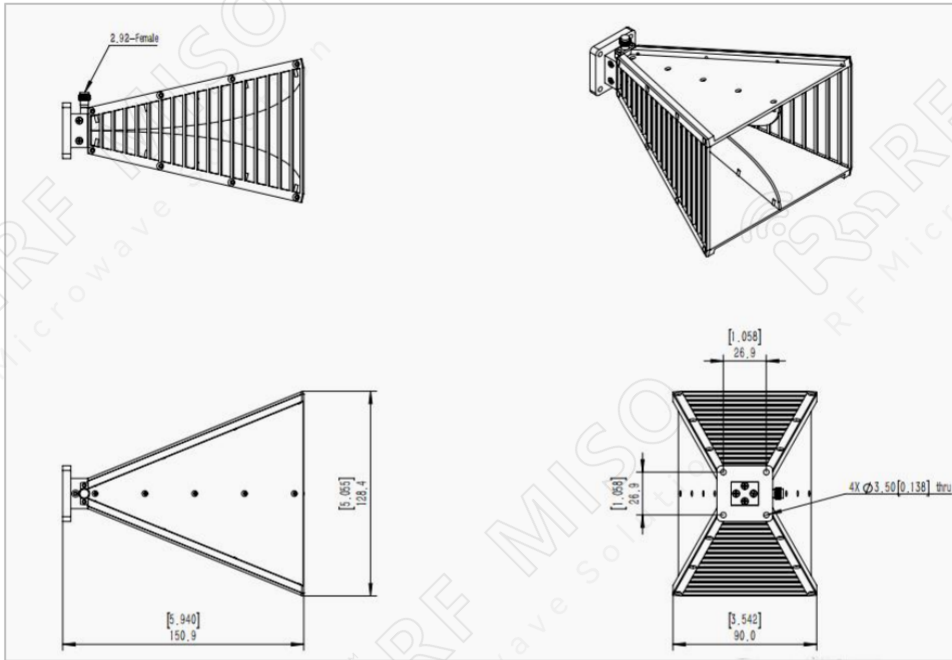


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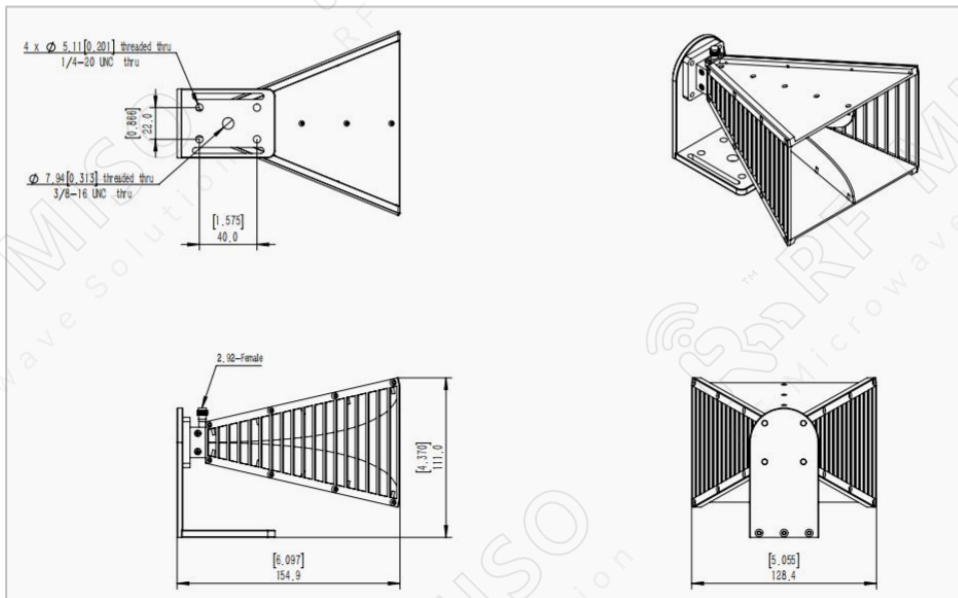
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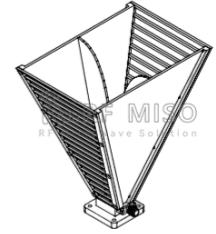
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Mechanical Drawing



Outline Drawing with Mounting Bracket:





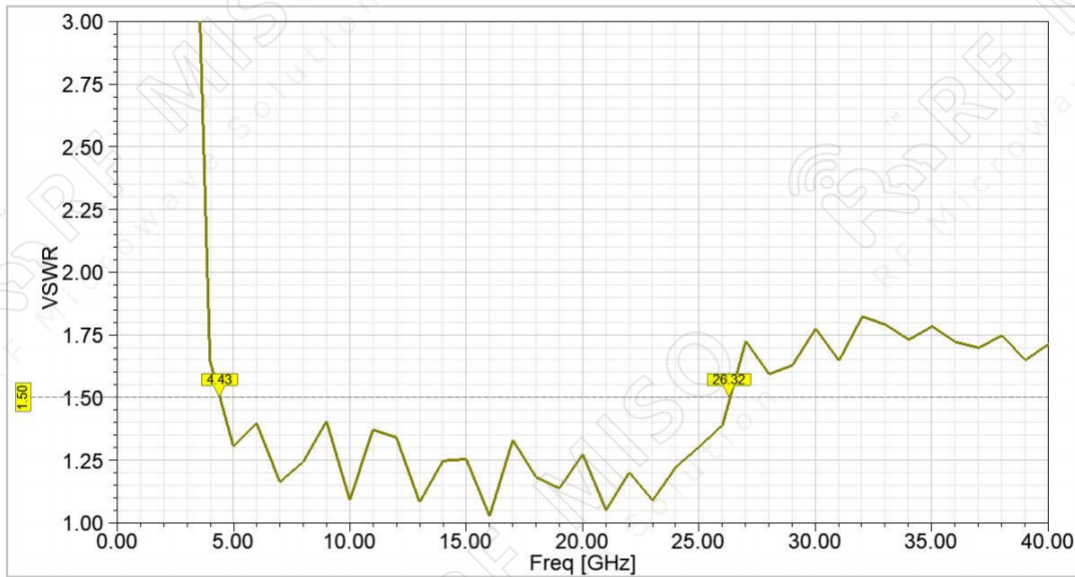
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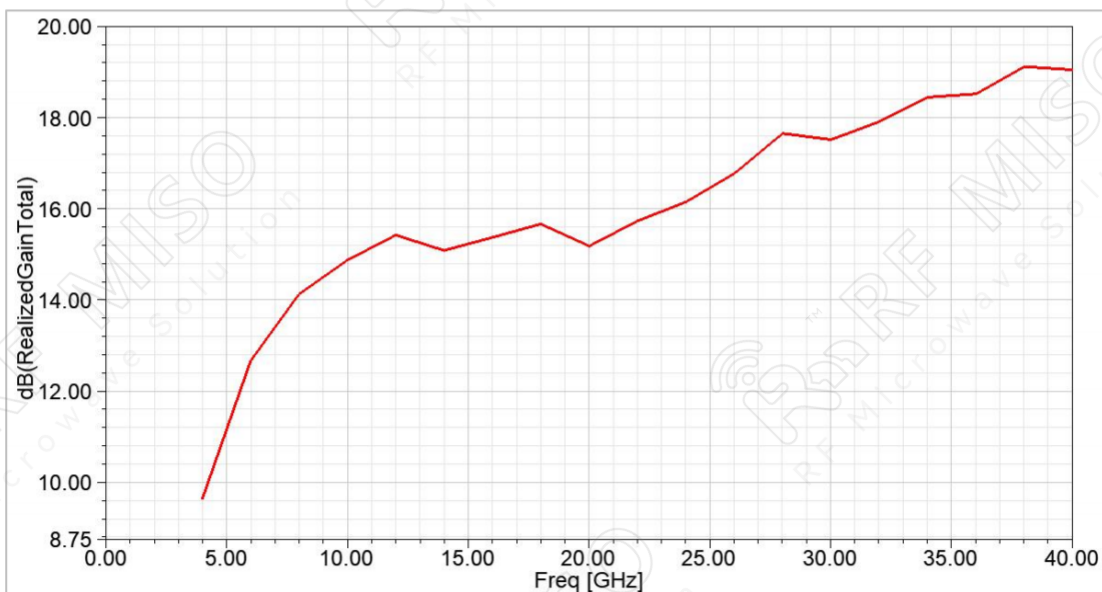
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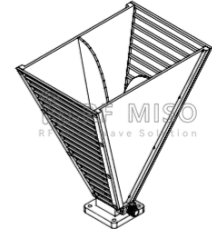
Simulated Results

VSWR



Gain



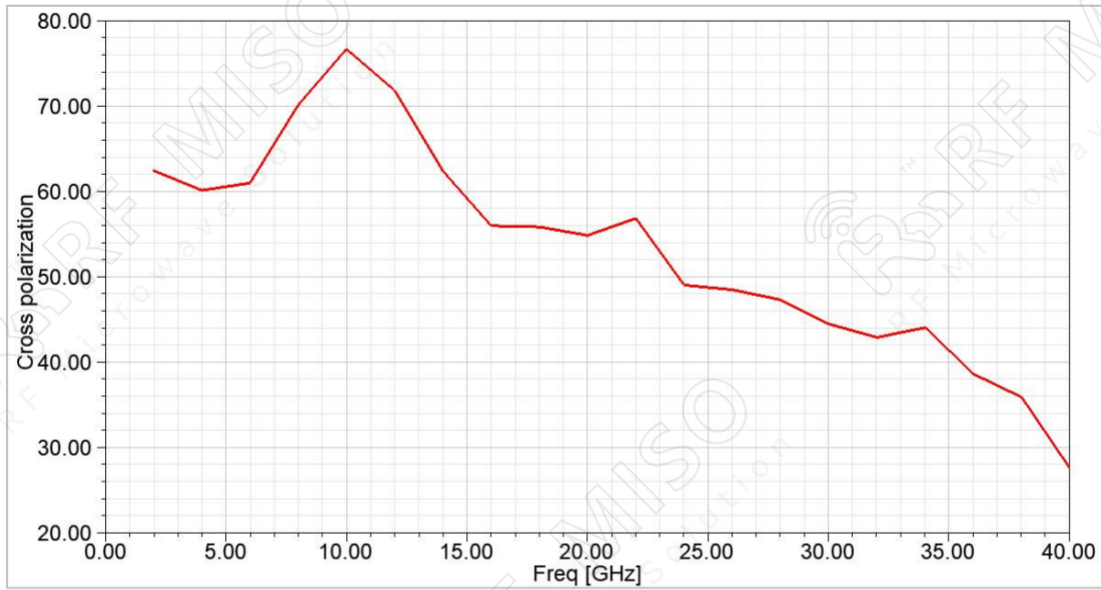


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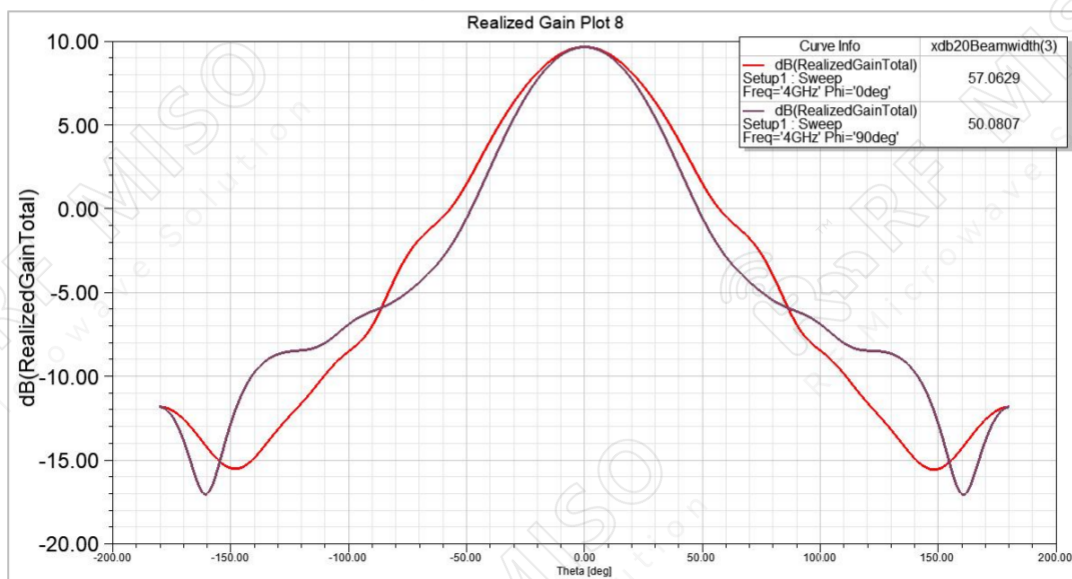
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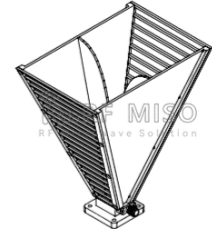
Cross Polarization



Gain Pattern



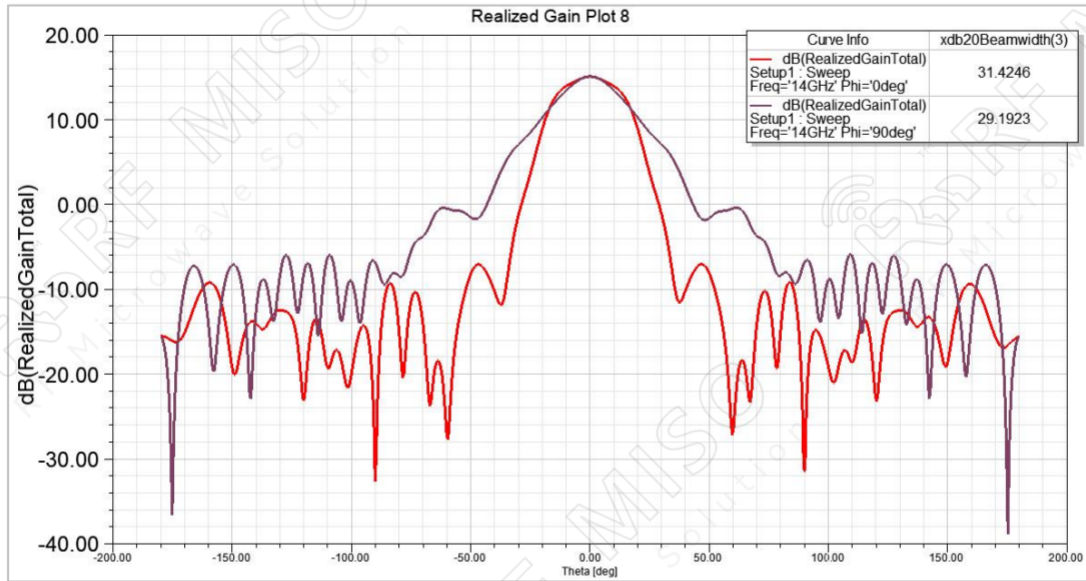
4 GHz



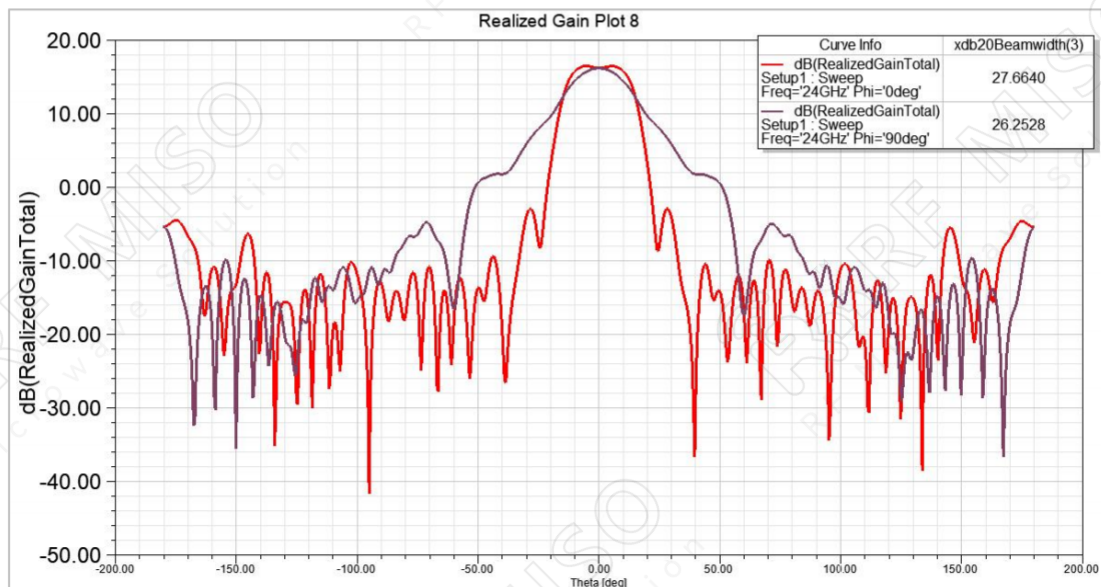
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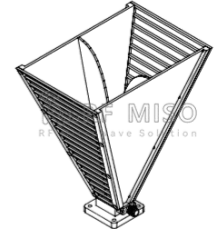
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14 GHz



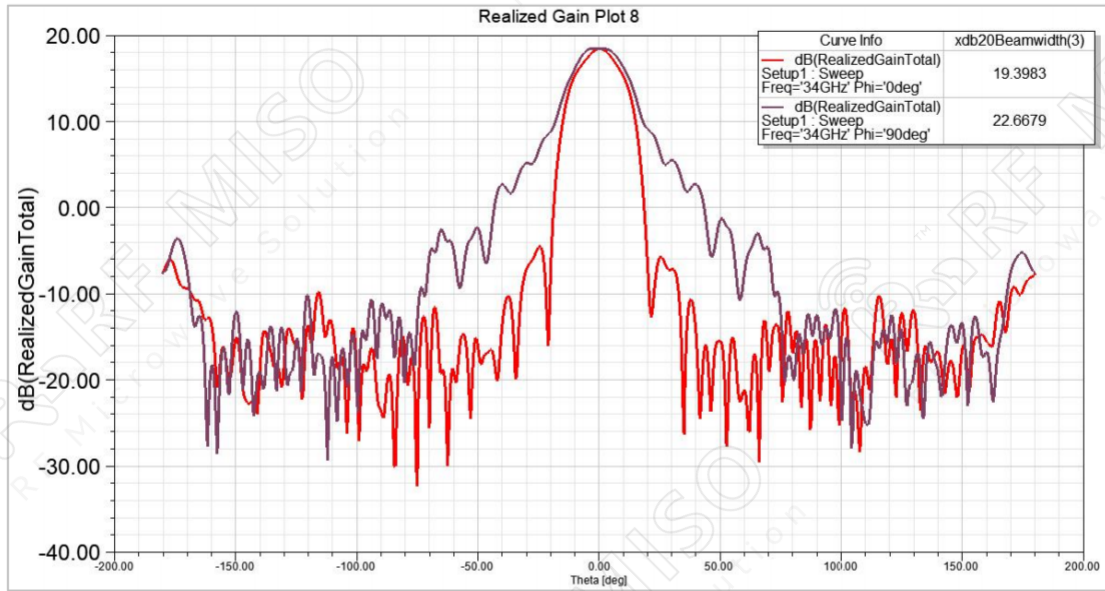
24 GHz



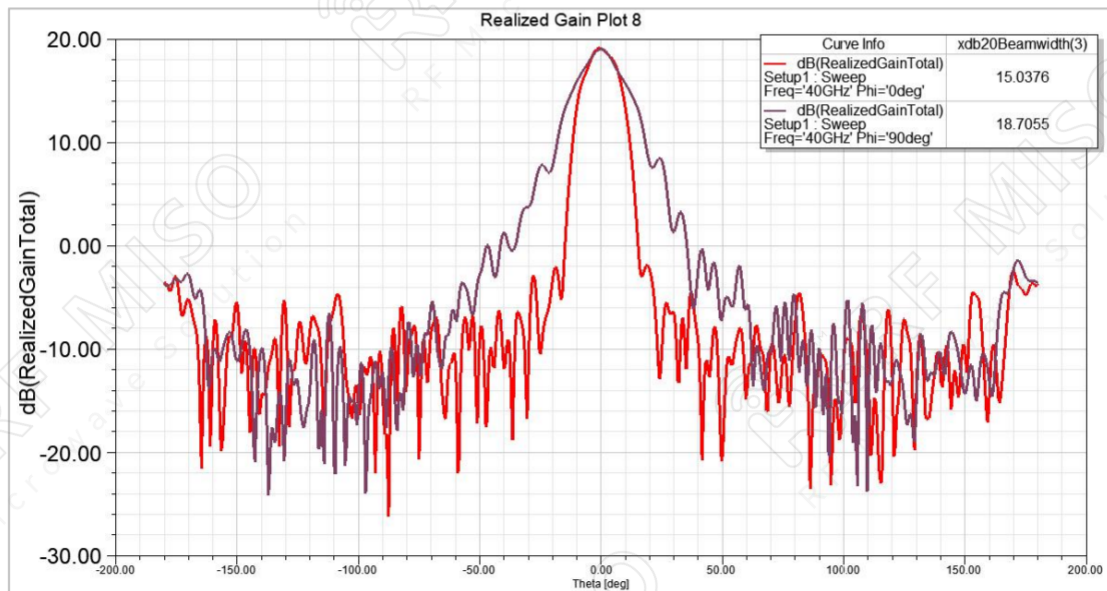
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34 GHz



40 GHz