

*Broadband Horn Antenna
12 dBi Typ. Gain, 6-24GHz Frequency Range*

Broadband Horn Antenna Data Sheet

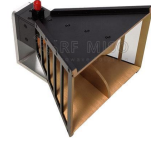
RM-BDHA624-12

Description

The **RM-BDHA624-12** is a linear polarized broadband horn antenna that operates in the frequency range of 6GHz to 24GHz. The antenna offers a typical gain of 12dBi and low VSWR 1.5:1 with SMA-F connector. The antenna supports linear polarized waveforms. It is suitable for extensive applications such as EMC/EMI testing, surveillance, direction finding, as well as antenna gain and pattern measurements.

Specifications

RM-BDHA624-12			
Item	Specification		Units
Frequency Range	6-24		GHz
Gain	12 Typ.		dBi
VSWR	1.5:1		
Cross Polarization	50		dB
Polarization	Linear		
3dB Beamwidth(Typ.)	E-Plane: 34.59	H-Plane:39.88	deg
Connector	SMA-Female		
Finishing	Paint		
Material	Al		
Size(L*W*H)	120.0*123.5*90.6		
Weight	0.221		kg

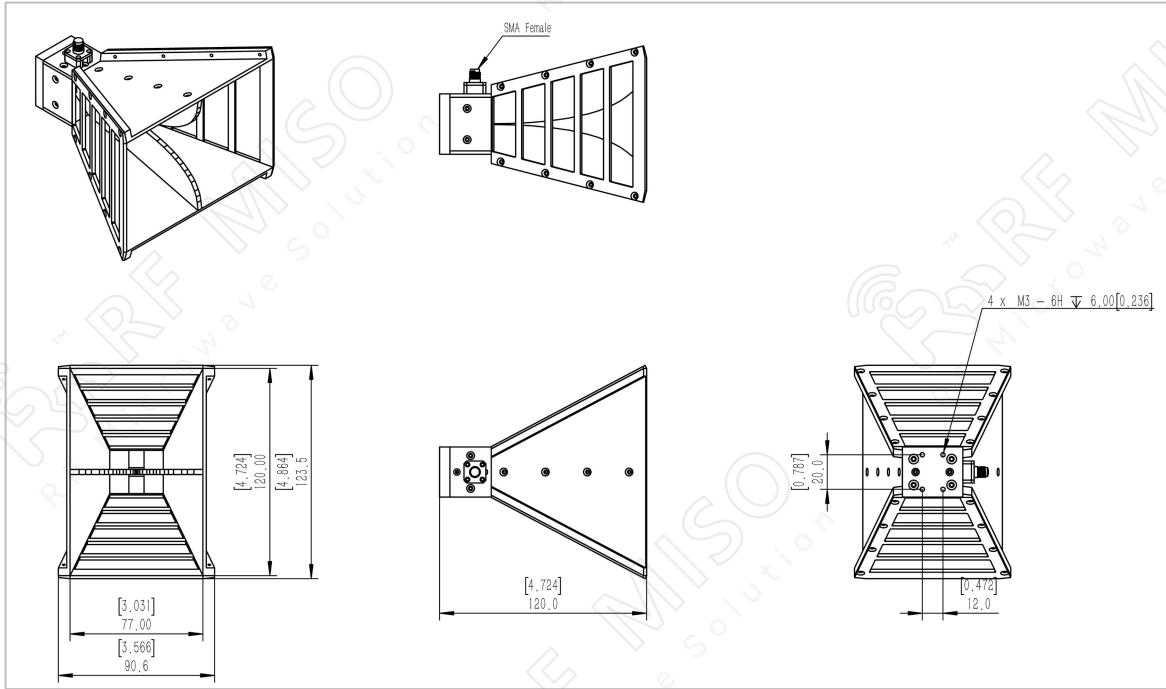


Broadband Horn Antenna
12 dBi Typ. Gain, 6-24GHz Frequency Range

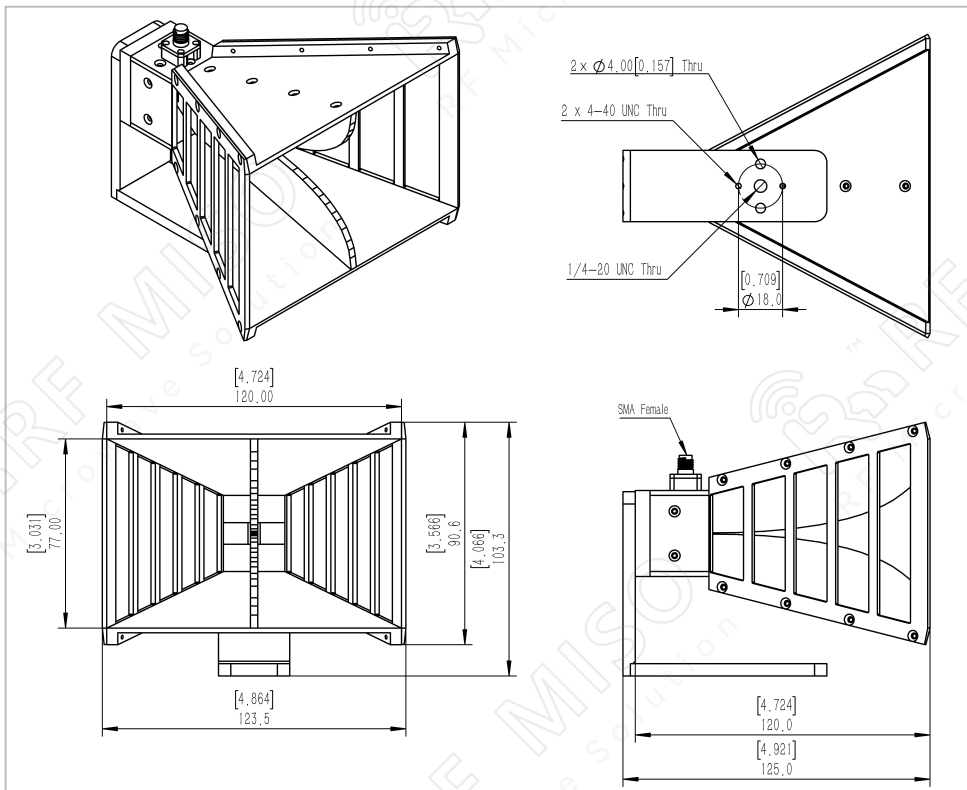
Broadband Horn Antenna Data Sheet

RM-BDHA624-12

Mechanical Drawing



Mechanical Drawing with L-type Bracket



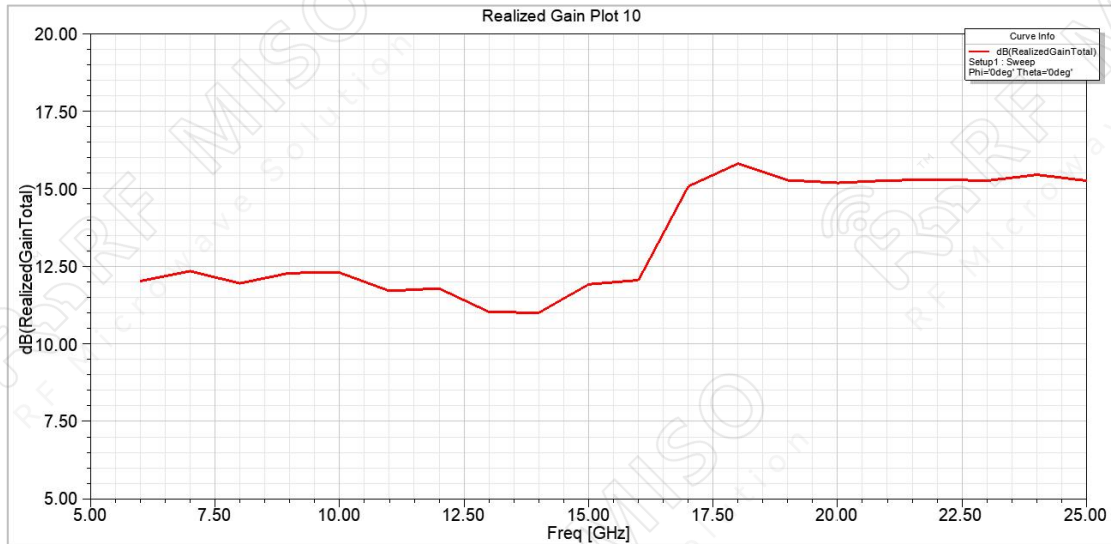


Broadband Horn Antenna Data Sheet

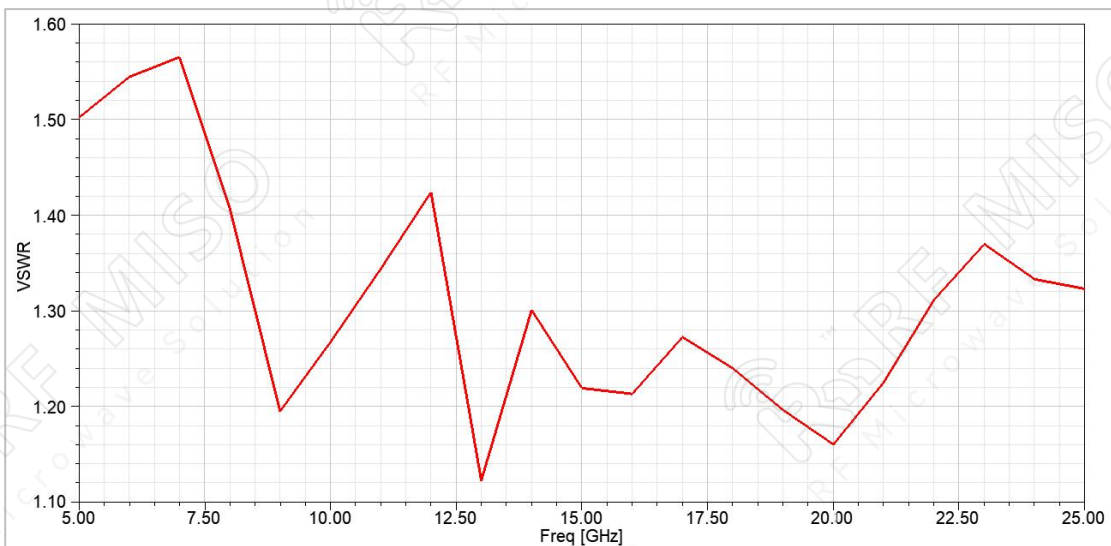
RM-BDHA624-12

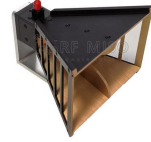
Simulation Results

Gain



VSWR



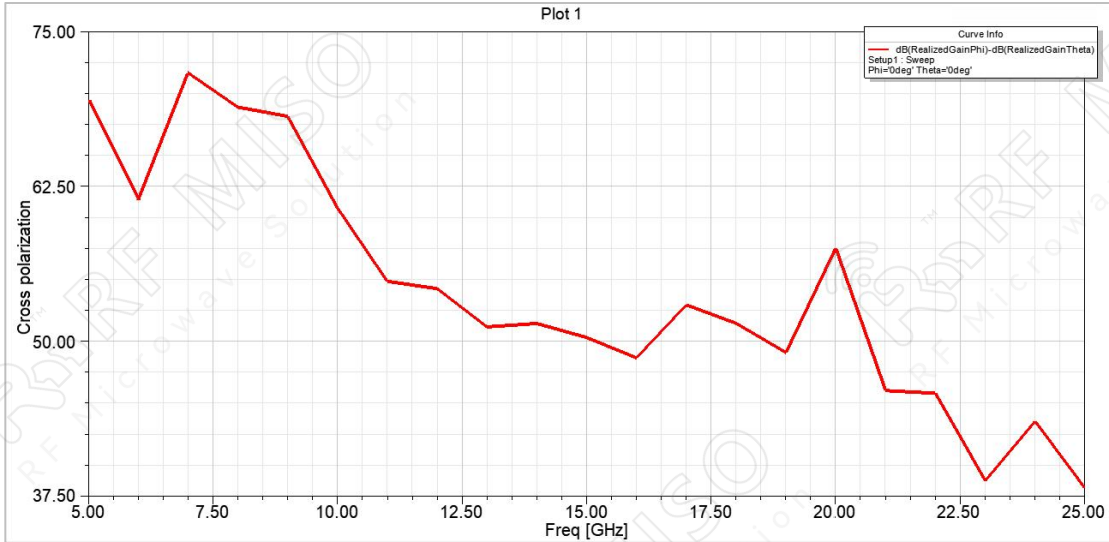


Broadband Horn Antenna
12 dBi Typ. Gain, 6-24GHz Frequency Range

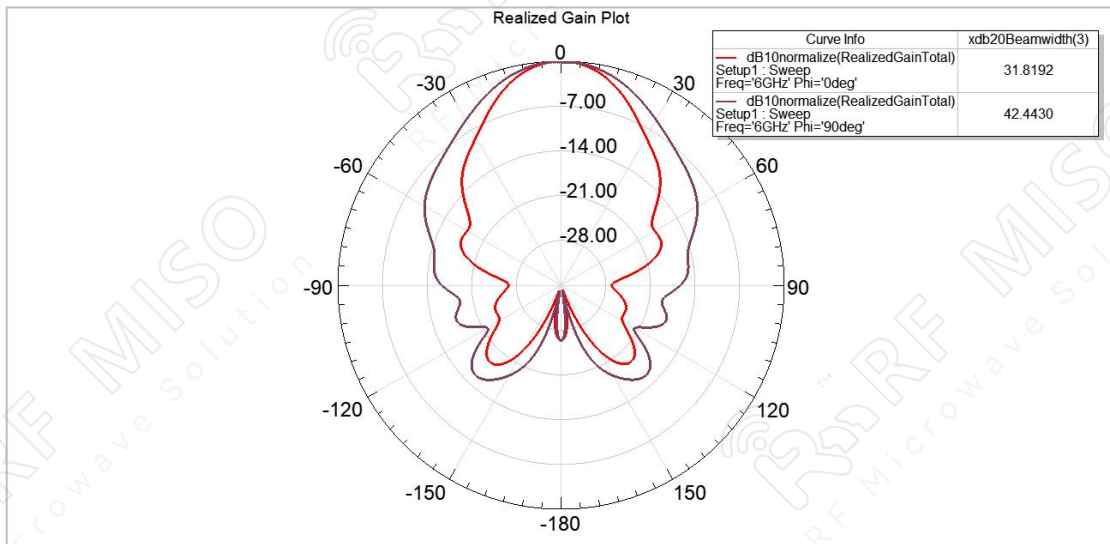
Broadband Horn Antenna Data Sheet

RM-BDHA624-12

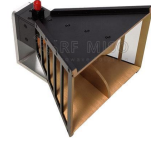
Cross Polarization



Gain Pattern



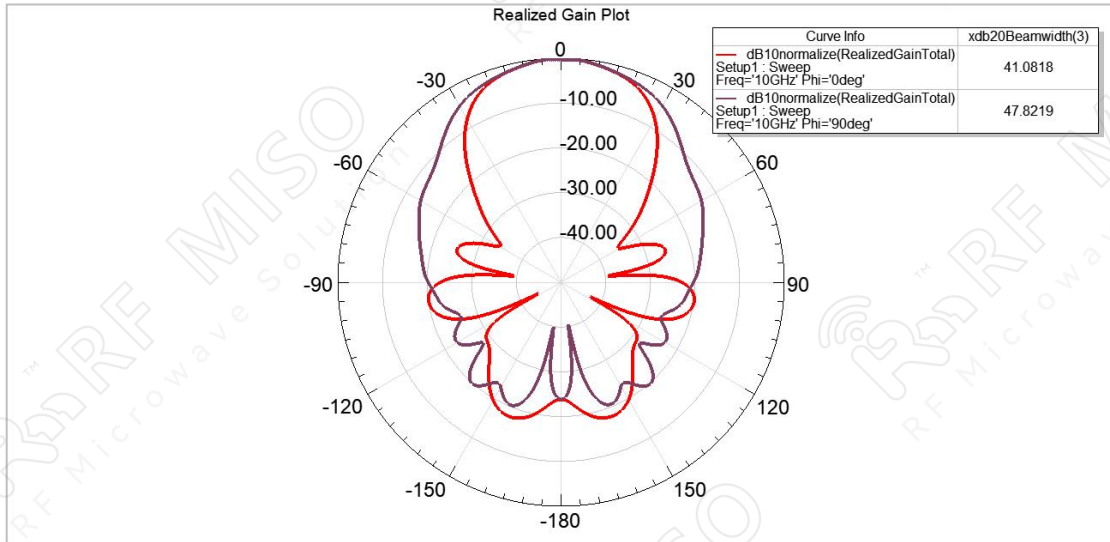
6 GHz



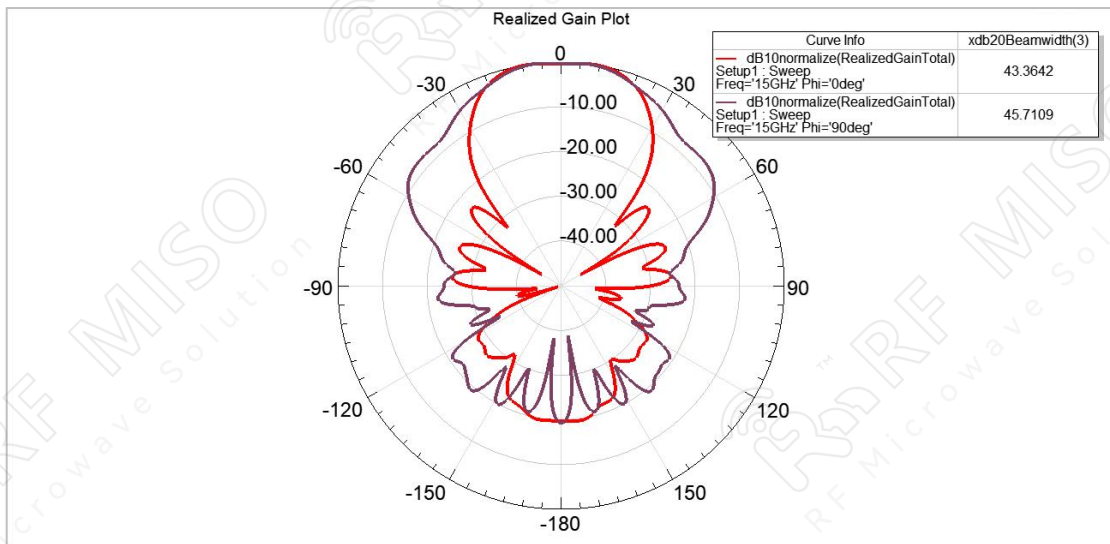
Broadband Horn Antenna
12 dBi Typ. Gain, 6-24GHz Frequency Range

Broadband Horn Antenna Data Sheet

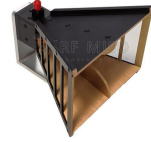
RM-BDHA624-12



10 GHz



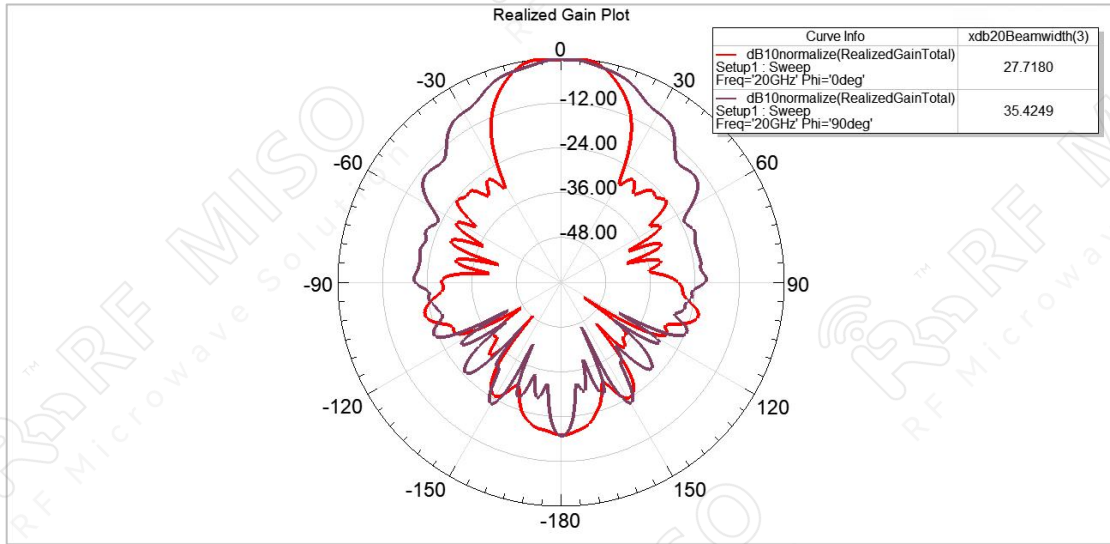
15 GHz



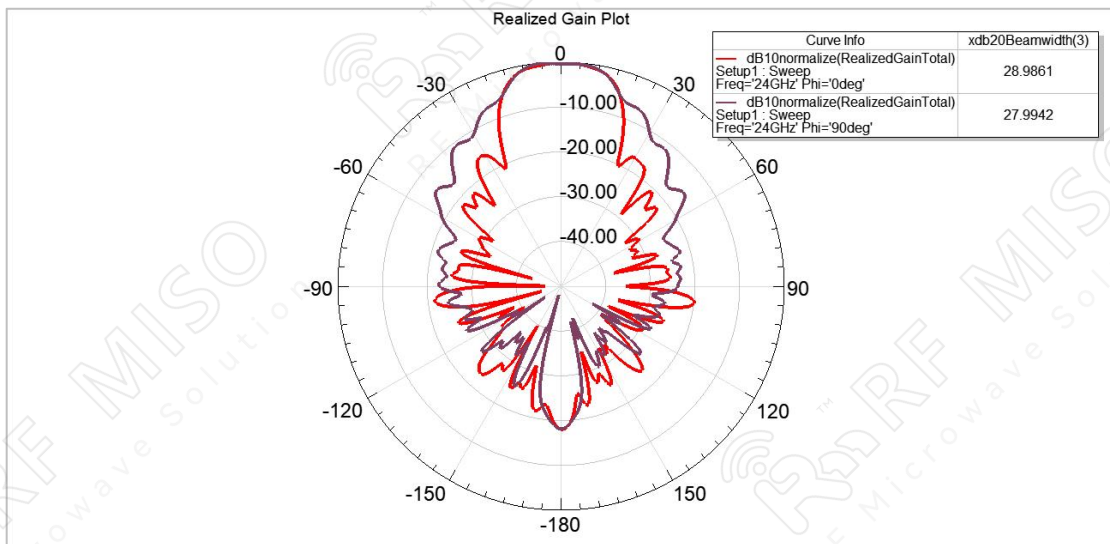
Broadband Horn Antenna
12 dBi Typ. Gain, 6-24GHz Frequency Range

Broadband Horn Antenna Data Sheet

RM-BDHA624-12



20 GHz



24 GHz