



*Dual Linear Polarization Corrugated Horn Antenna
20dBi Typ. Gain, 18-22GHz Frequency Range*

Corrugated Horn Antenna Data Sheet

RM-DCGHA1822-20

Description

RF MISO's **Model RM-DCGHA1822-20** is a dual linear-Polarization corrugated horn antenna that operates from 18 to 22 GHz. The antenna offers a typical gain of 20 dBi and low VSWR 1.5 Typ. With 2.92mm output connector.

Specifications

RM-DCGHA1822-20			
Parameters	Specification		Unit
Frequency Range	18-22		GHz
Gain	20 Typ.		dBi
VSWR	1.5 Typ.		
Polarization	Dual Linear		
Cross Polarization	35 Typ.		dB
Port 1, 3dB Beamwidth	E-Plane:18.3~22.4	H-Plane:17.7~21.2	deg
Port 2, 3dB Beamwidth	E-Plane:18.3~22.4	H-Plane:17.8~21.2	deg
Connector	2.92mm-Female		
Material	Al		
Finishing	Paint		
Size(L*W*H)	129.3 *Ø 72.1		mm
Weight	0.166		Kg

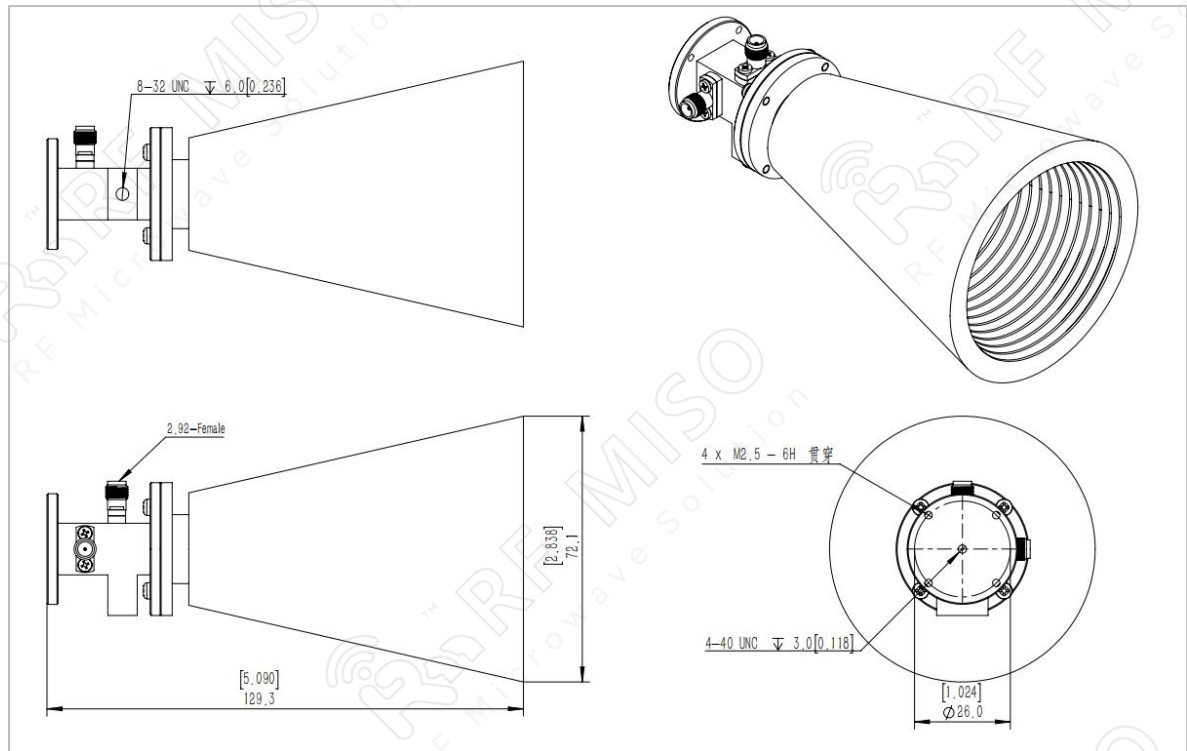


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Mechanical Drawing





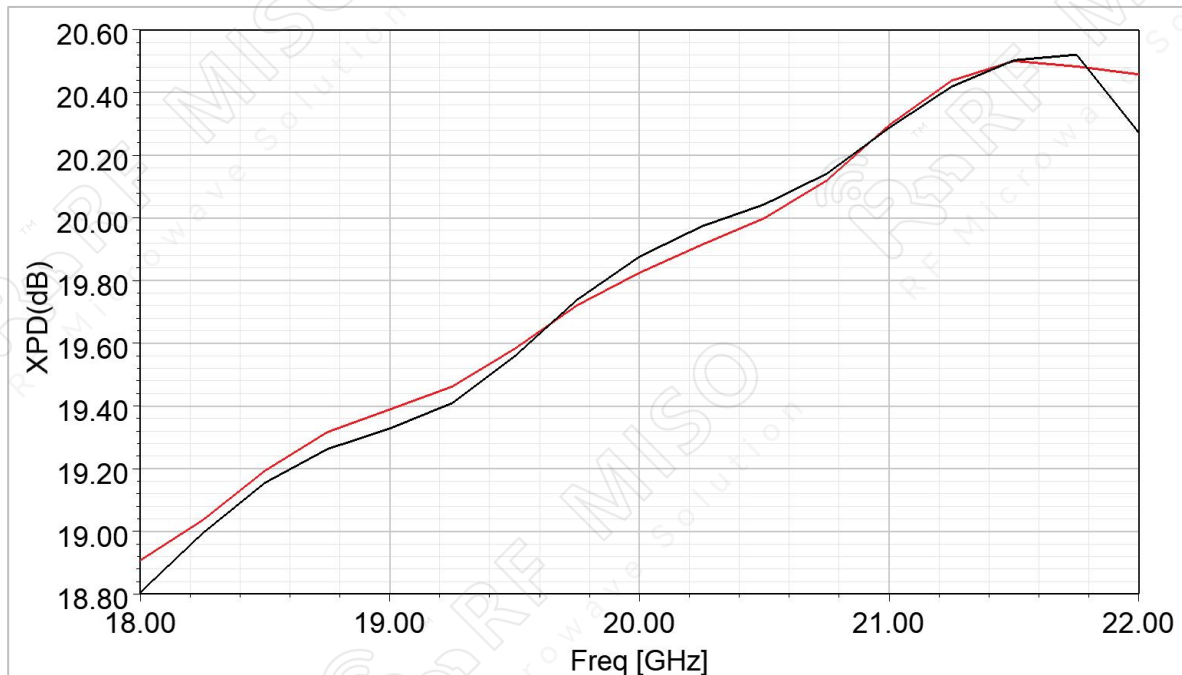
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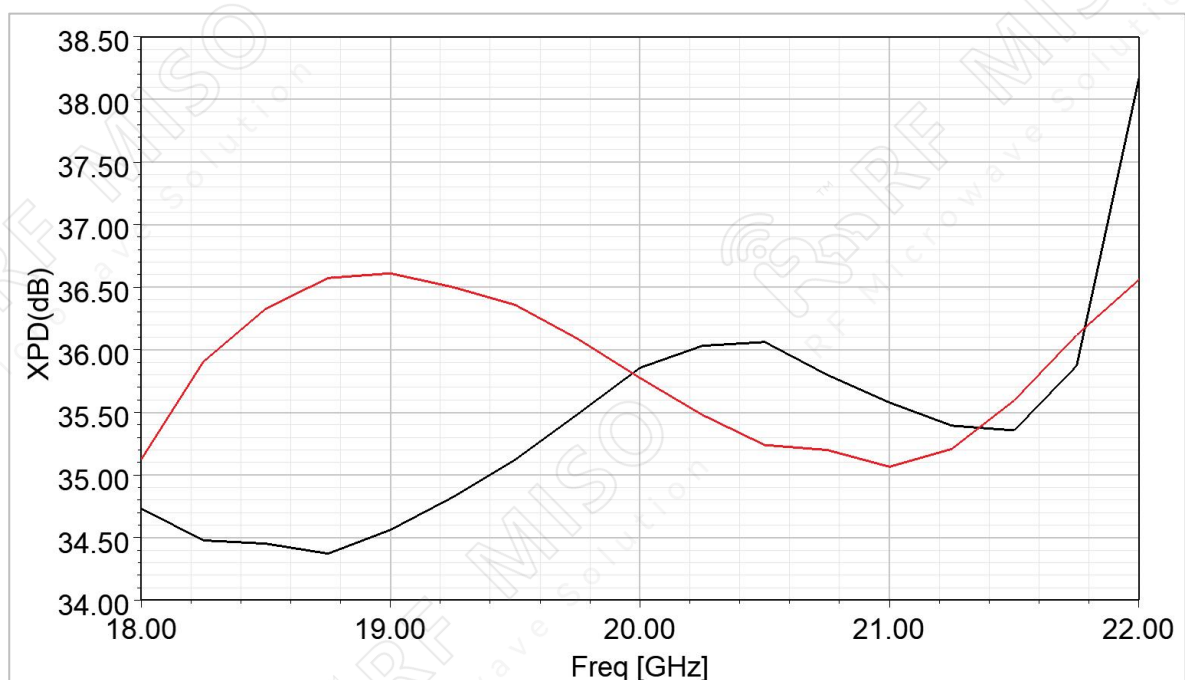
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Simulated Results

Gain



Cross polarization



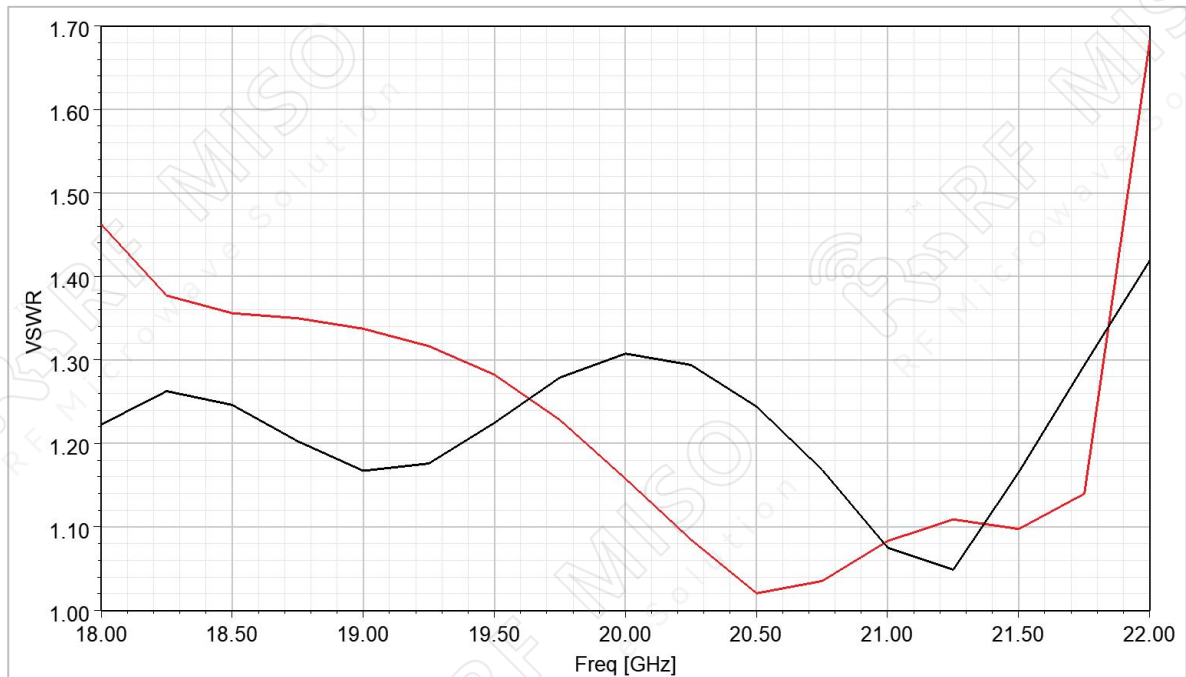


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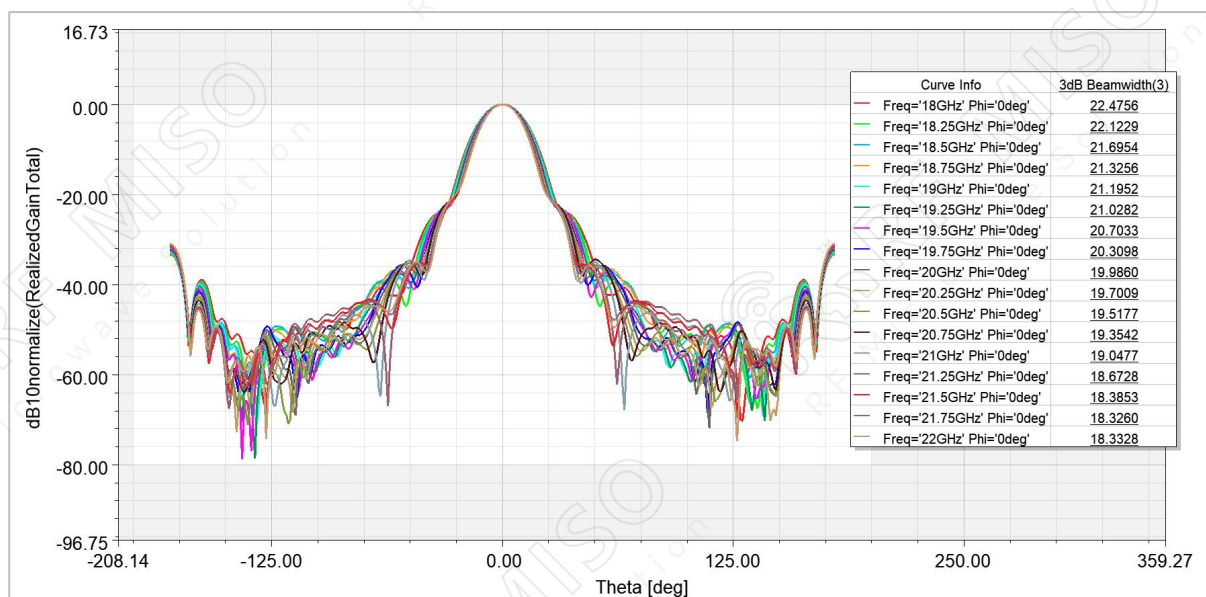
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VSWR



Pattern_Port 1

E-Plane



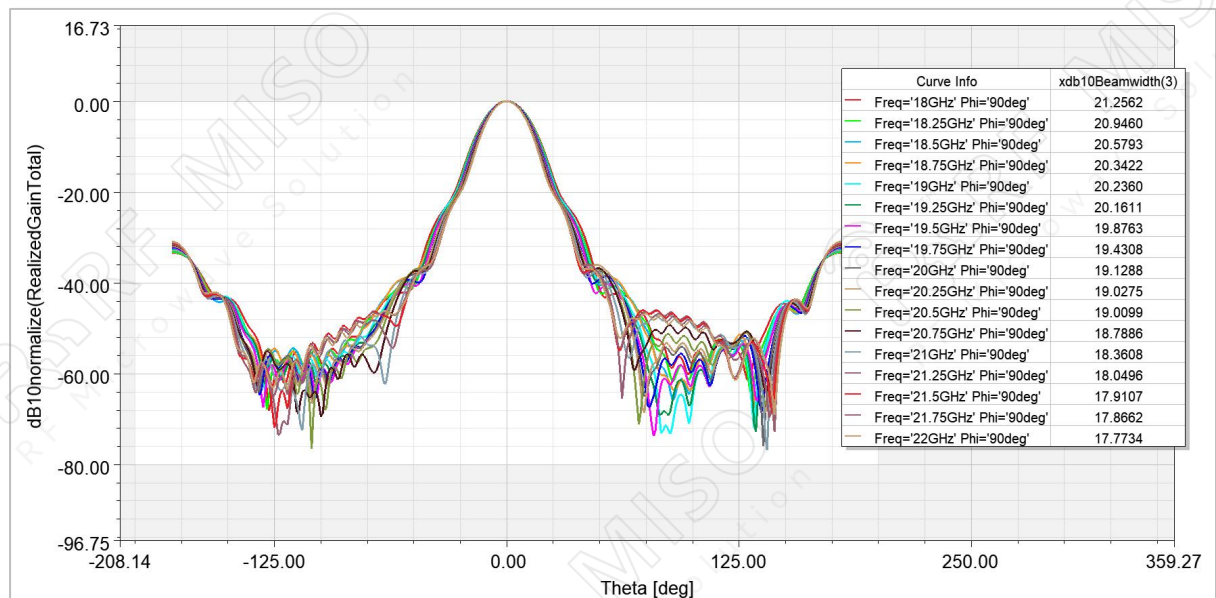


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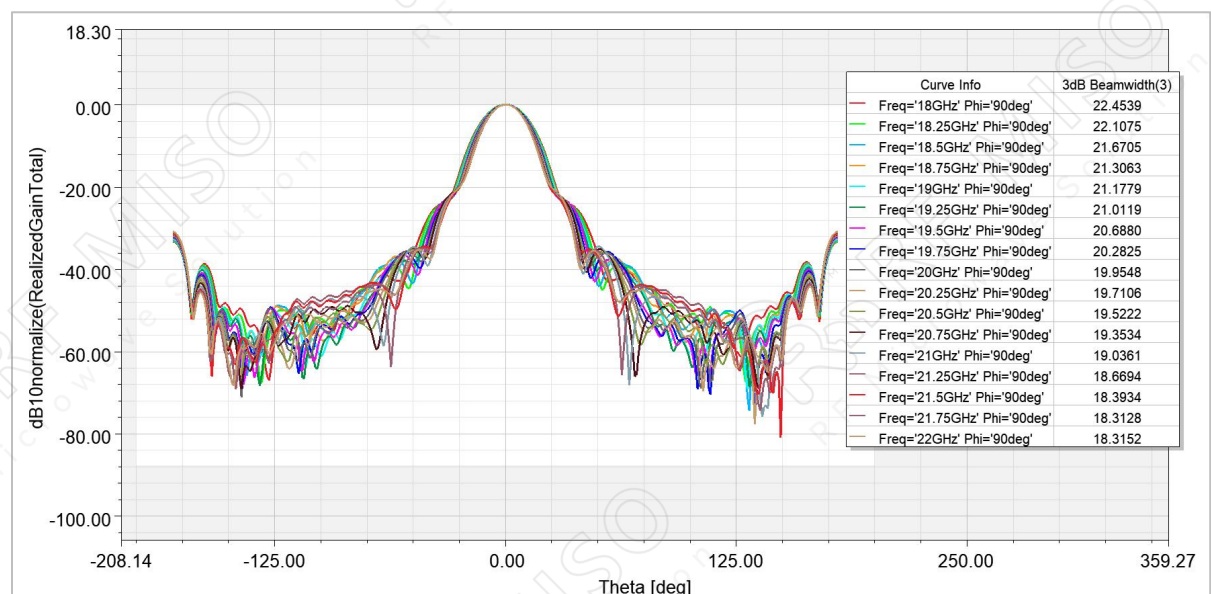
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H-Plane



Pattern_Port 2

E-Plane





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H-Plane

