



Conical Dual Polarized Horn Antenna
20dBi Typ. Gain, 6-18 GHz Frequency Range

Conical Dual Polarized Horn Antenna Data Sheet

RM-CDPHA618-20

Features

- High Gain
- Low VSWR
- Broadband Operation
- Dual Linear Polarized

Descriptions

RF MISO's **Model RM-CDPHA618-20** is a dual polarized horn antenna that operates from 6 to 18GHz, The antenna offers 20 dBi typical gain. The antenna VSWR is 1.5:1 typical. The antenna cross polarization isolation is typical 30 dB. The antenna RF ports are 2.92-KFD connector. It can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

RM-CDPHA618-20		
Parameters	Typical	Units
Frequency Range	6-18	GHz
Gain	20 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Dual Linear	
Cross Pol. Isolation	30	dB
Connector	2.92-KFD	
Finishing	Paint Black	
Size	235.5*Ø125.2(L*W*H)	mm
Weight	0.456	kg
Powering Handling, CW	20	W
Powering Handling, Peak	40	W

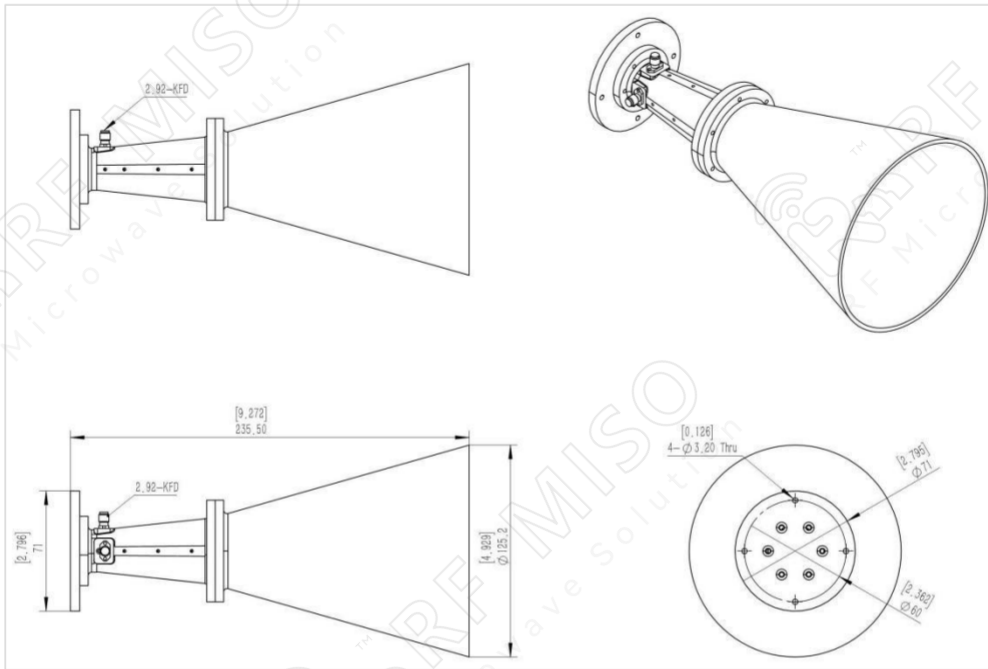


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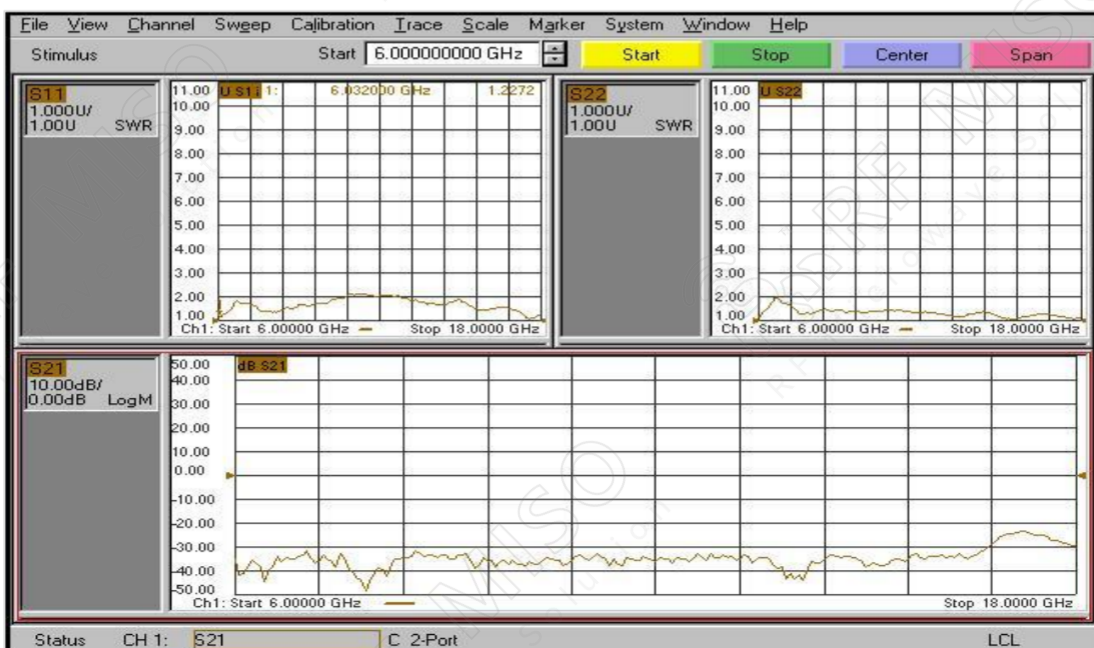
RM-CDPHA618-20

Outline Drawing



Test Result

VSWR&Port Isolation



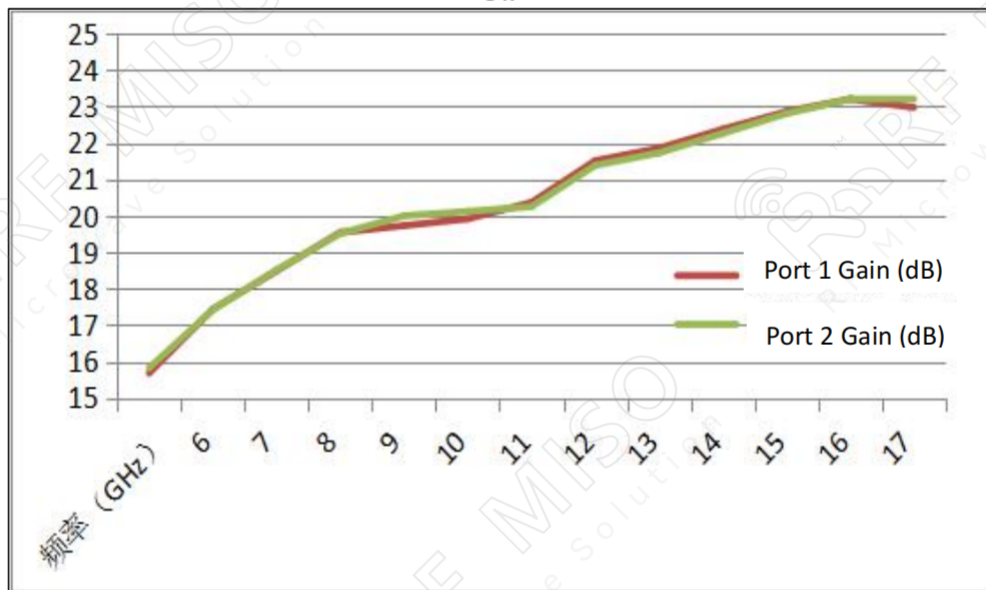


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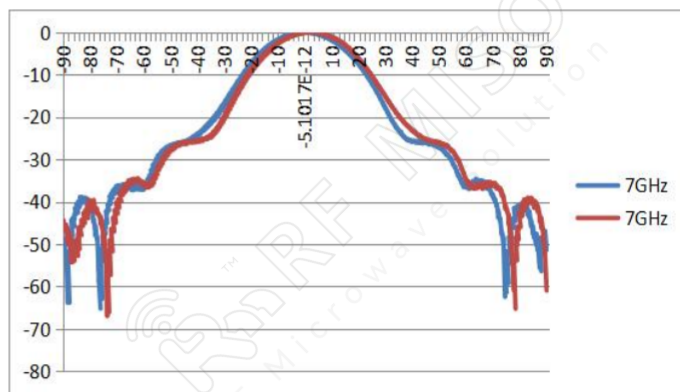
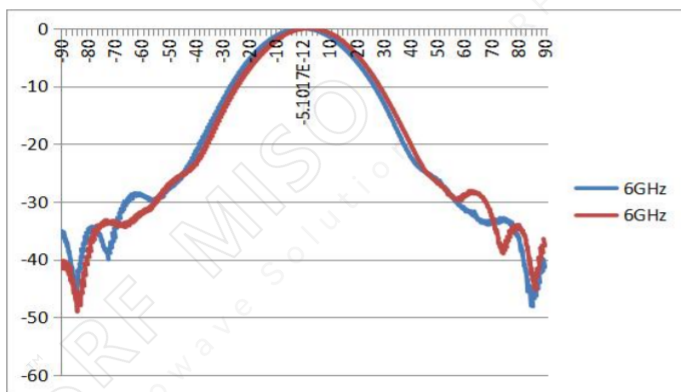
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Gain



Port 1 Gain Pattern

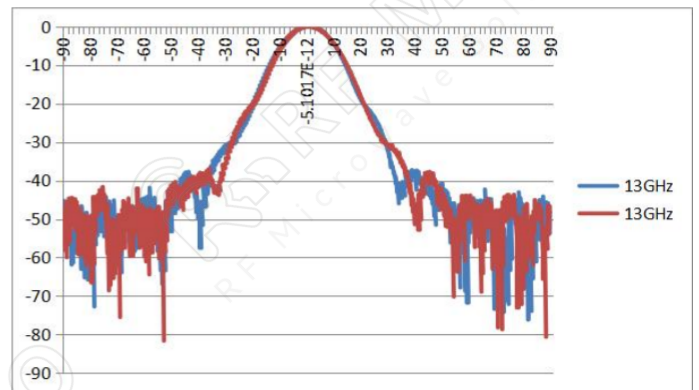
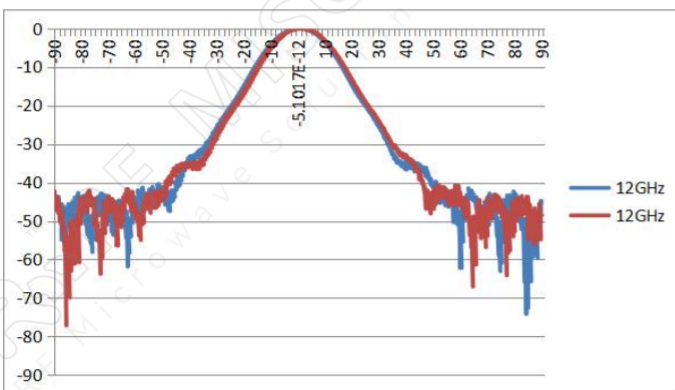
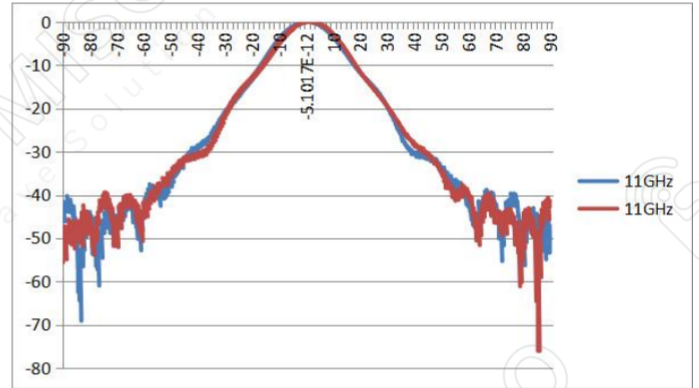
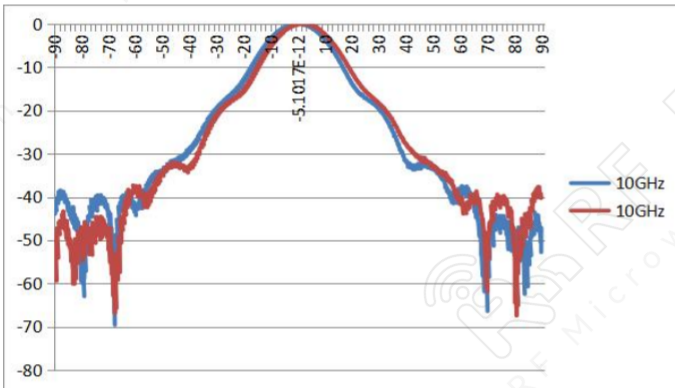
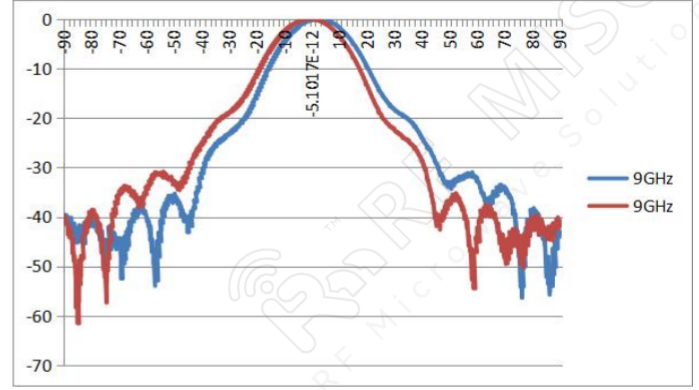
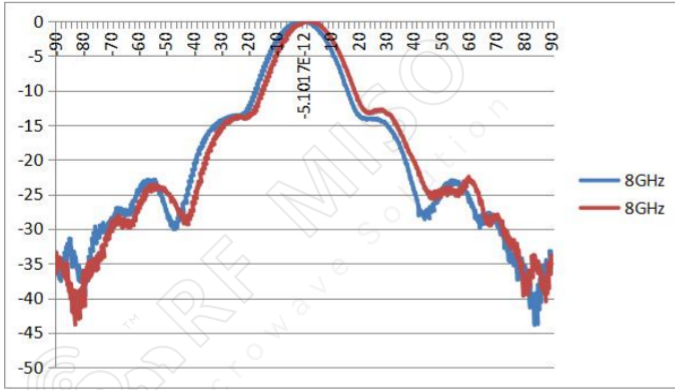




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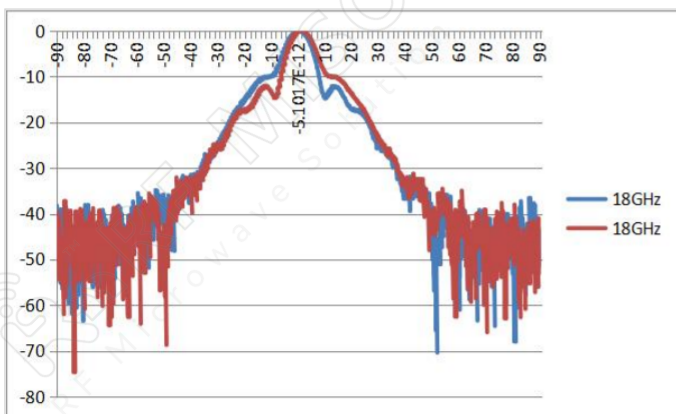
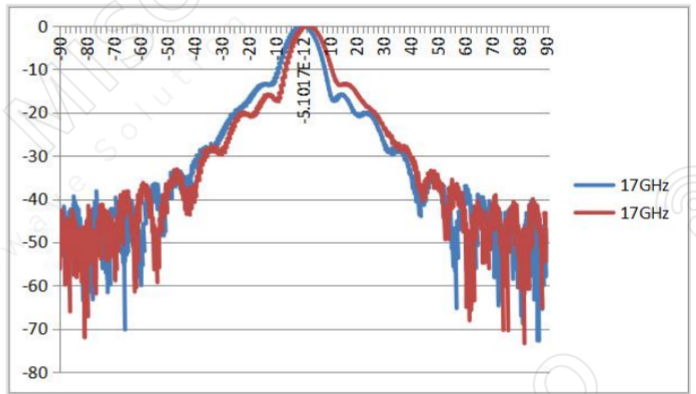
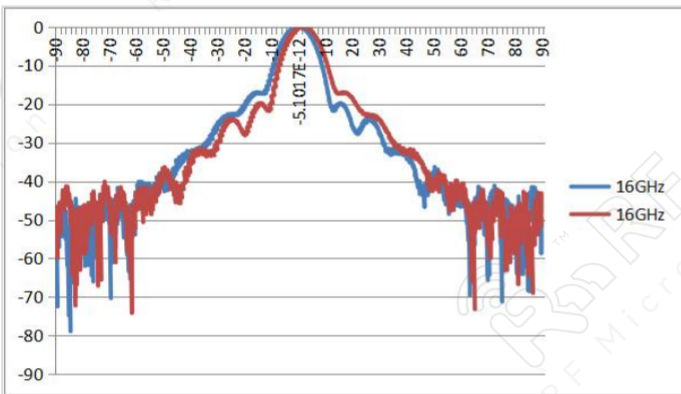
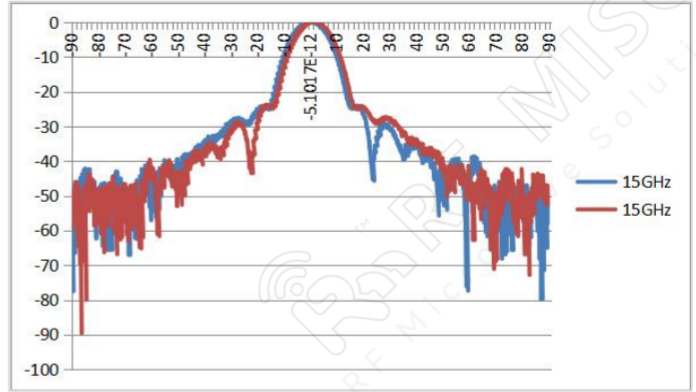
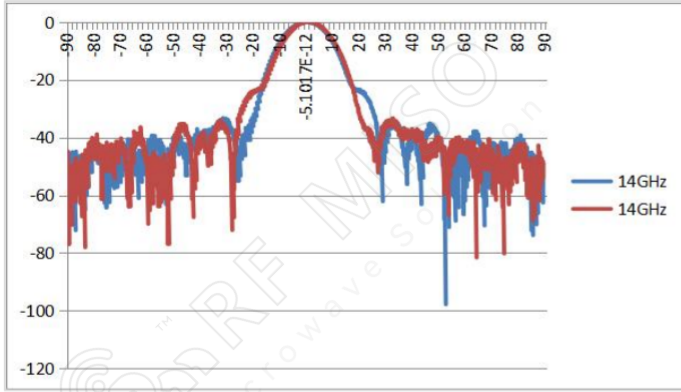




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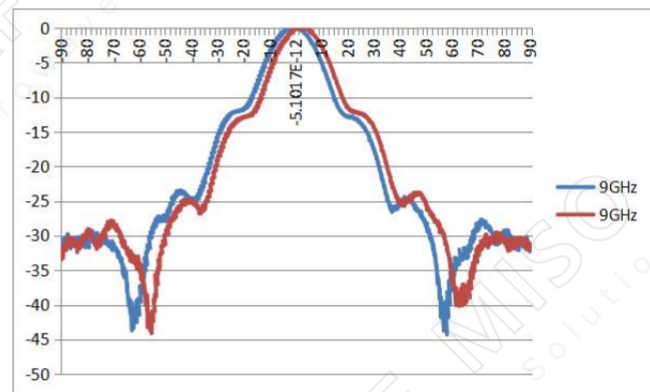
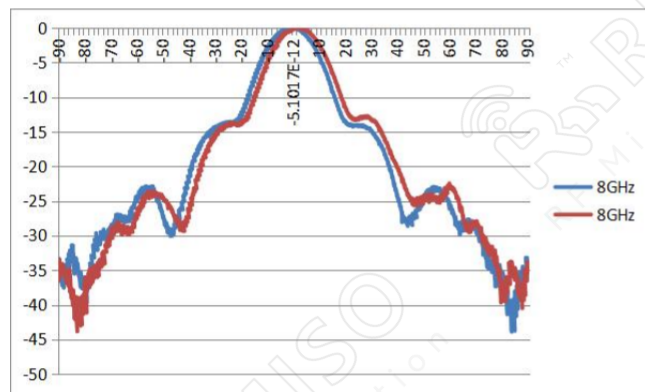
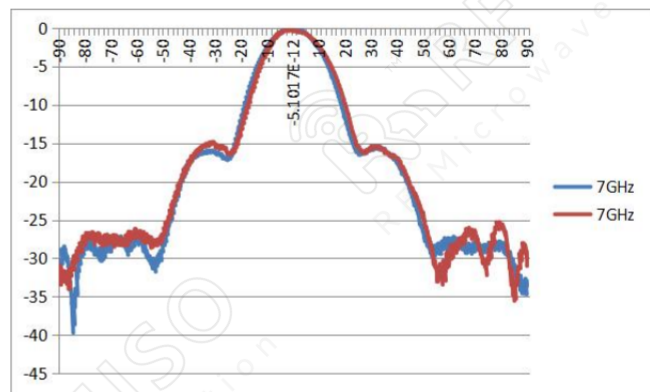
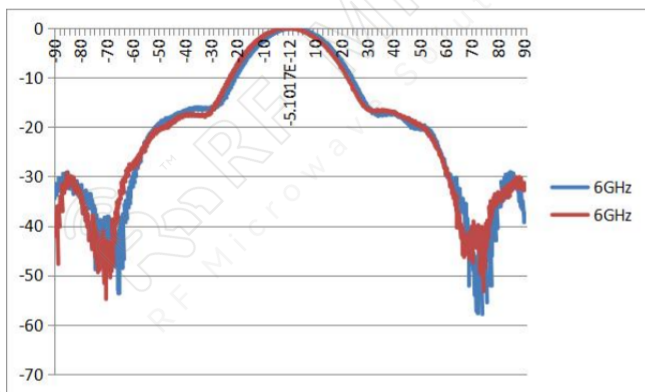


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Port 2 Gain Pattern

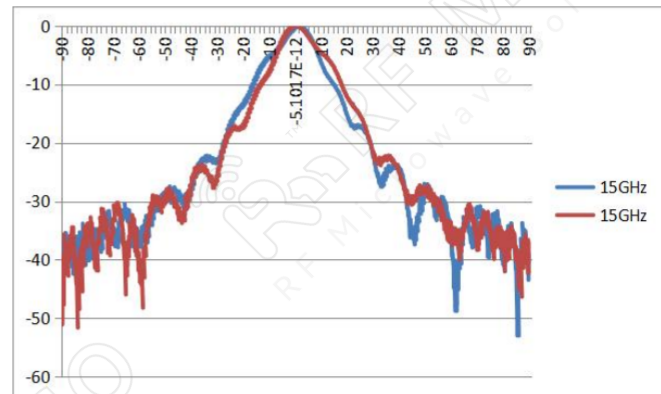
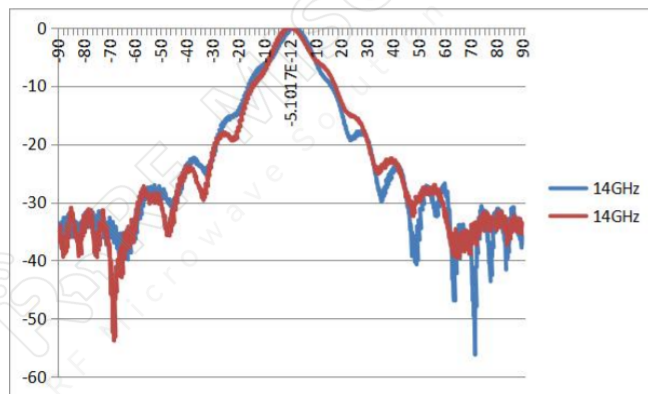
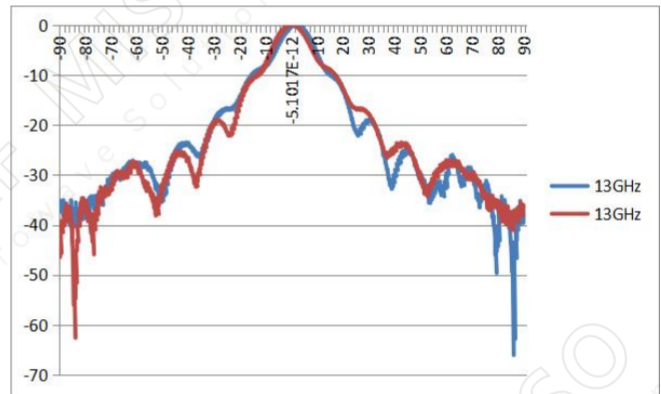
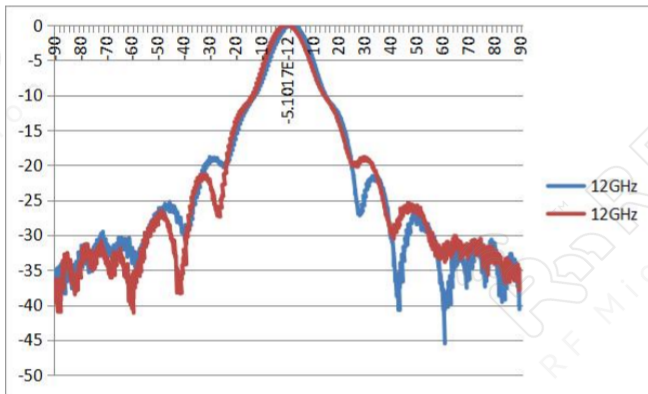
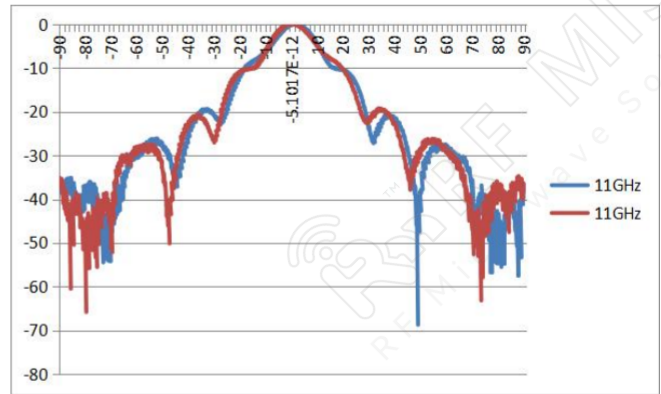
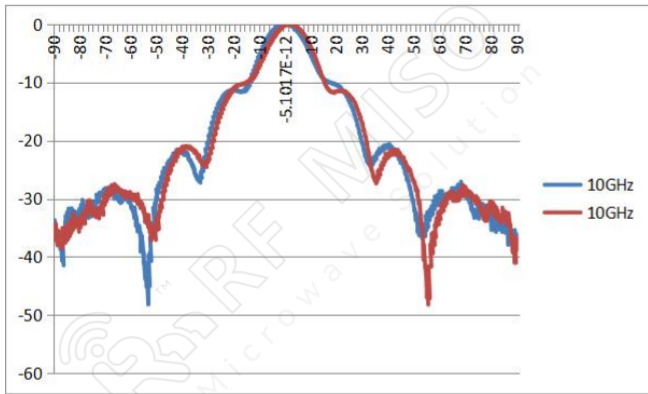




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