RF MISO
RF Microwave Solution

Parabolic Antenna
25 dBi Typ. Gain, 1-18 GHz Frequency Range



Parabolic Antenna Data Sheet

RM-PBA118-25

Features

- Coaxial Adapter for RF Inputs
- Low VSWR
- Lens Antennas
- Broadband Operation
- Dual Linear Polarized

Descriptions

RF MISO's **Model RM-PBA118-25** is a parabolic antenna antenna that operates from 1 to 18 GHz. The antenna offers 25 dBi typical gain. The antenna VSWR is typical 1.5:1. The antenna RF ports are SMA-F connector. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

RM-PBA118-25		
Parameters	Typical	Units
Frequency Range	1-18	GHz
Gain	25 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Dual Linear	
Cross Pol. Isolation	40 Typ.	dB
Port Isolation	40 Typ.	dB
Connector	SMA-F	
Material	Al	
Finishing	Paint	
Size（(L*W*H)）	Ø1280.0*531.6	mm
Weight	13.936	kg
Power Handling, CW	50	W
Power Handling, Peak	100	W

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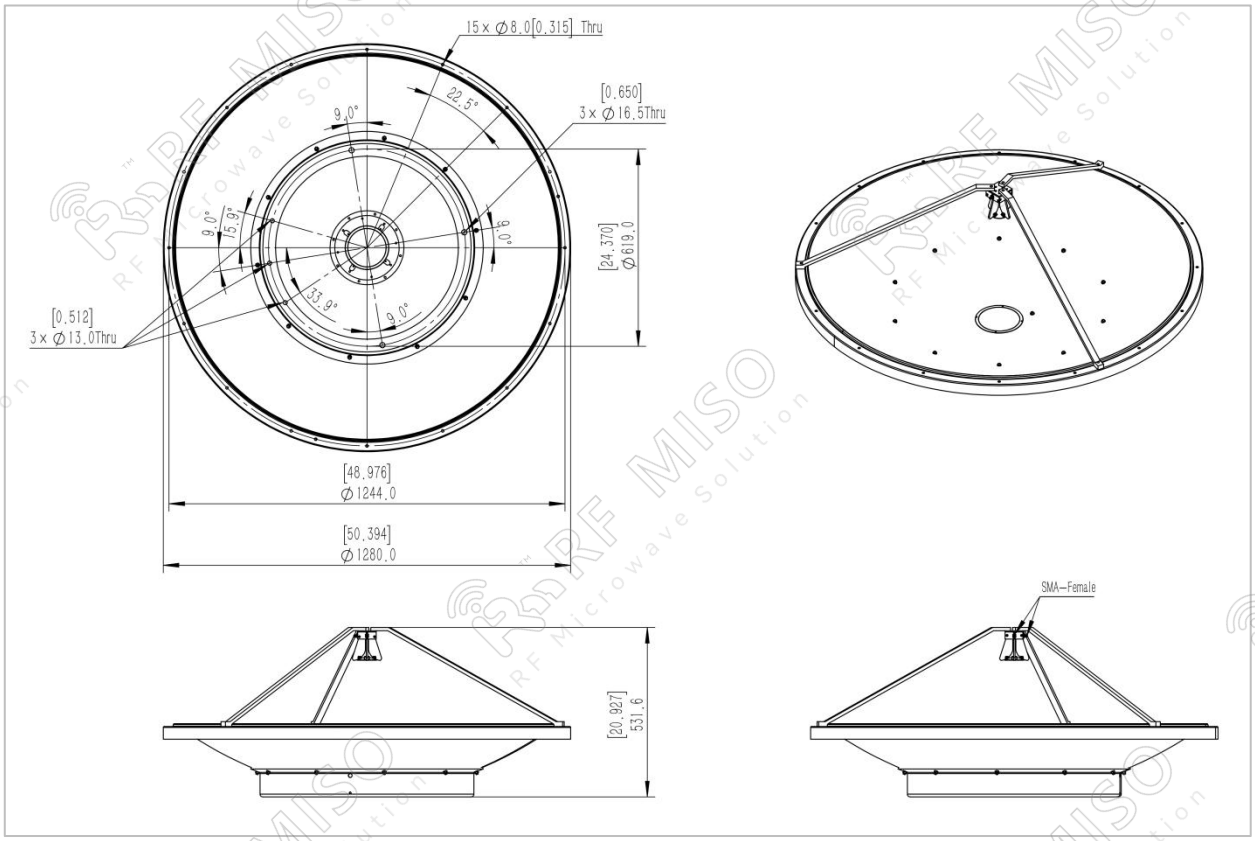
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Outline Drawing_P/N: RM-PBA118-25



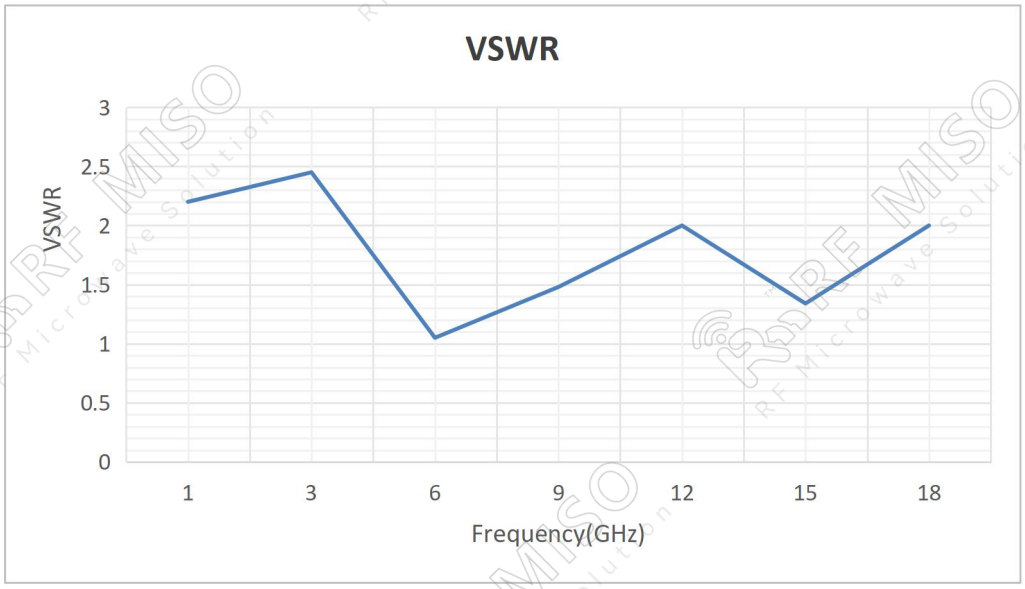
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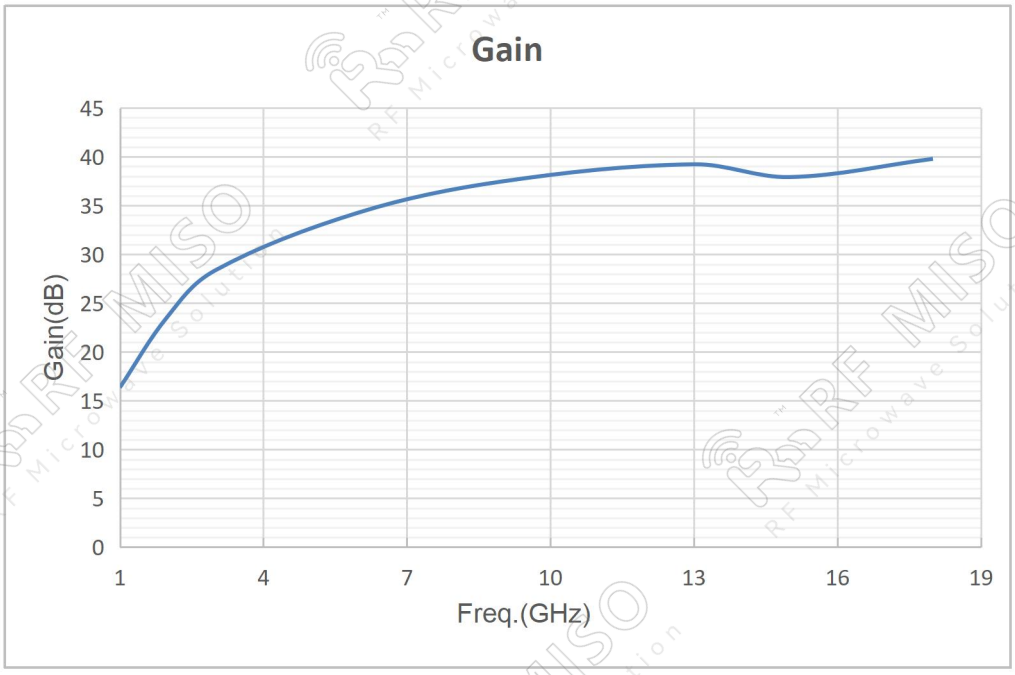
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Simulation Data





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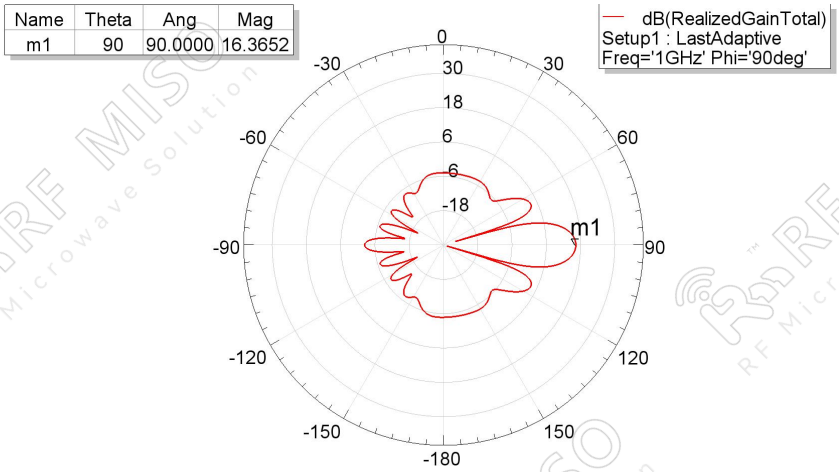
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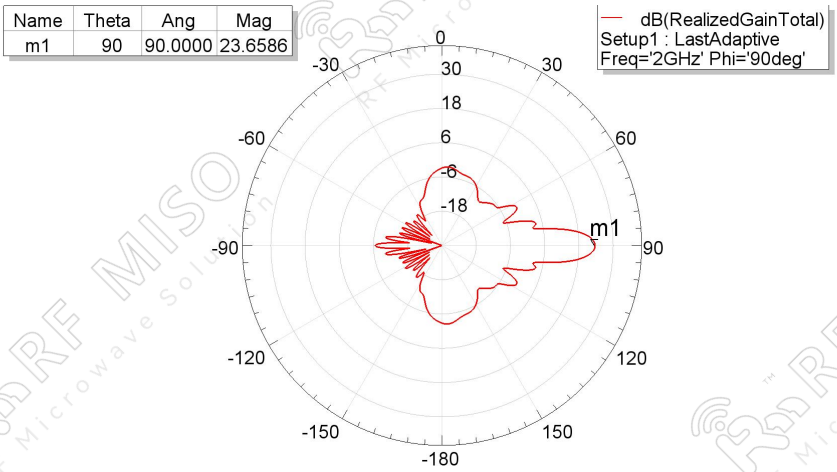
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Gain Patterns

1 GHz



2 GHz



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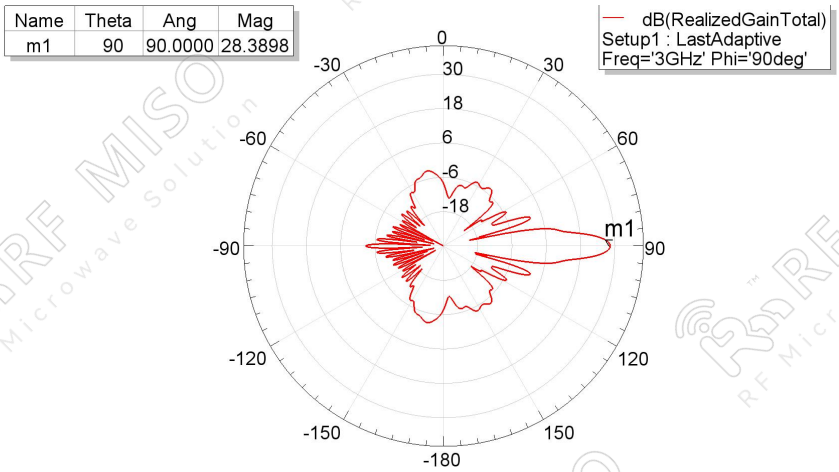


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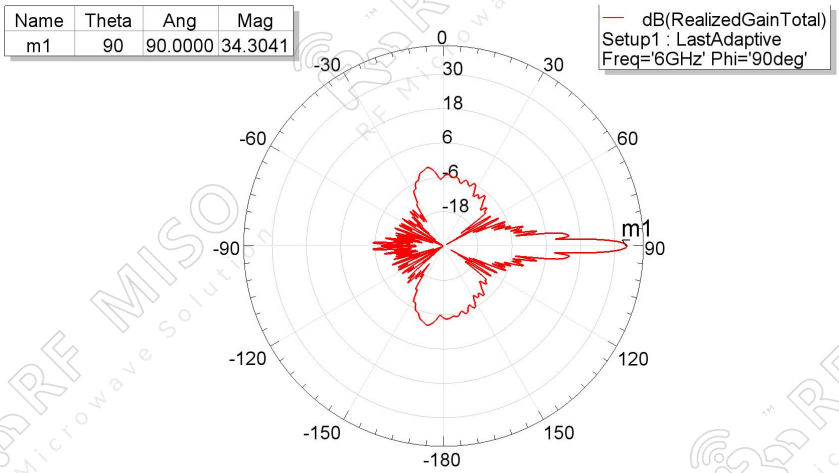
3 GHz

Name	Theta	Ang	Mag
m1	90	90.0000	28.3898



6 GHz

Name	Theta	Ang	Mag
m1	90	90.0000	34.3041



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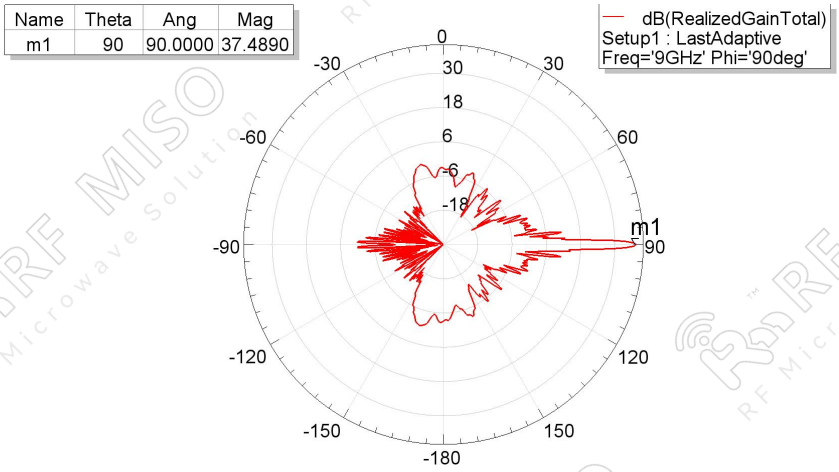
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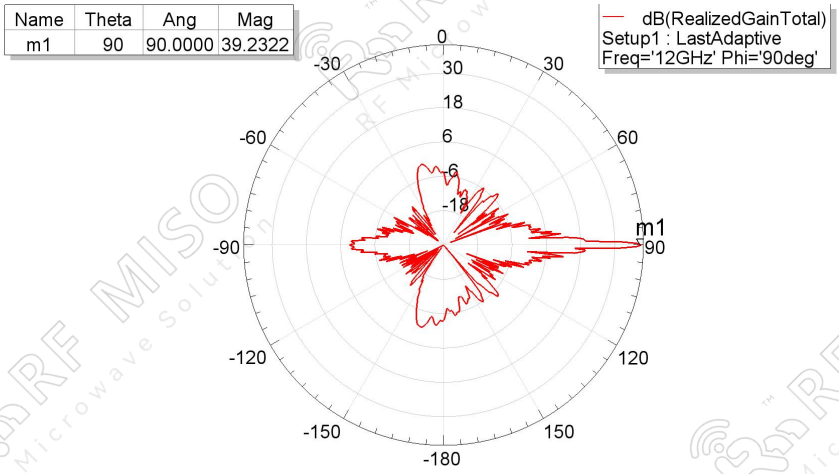
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9 GHz



12 GHz



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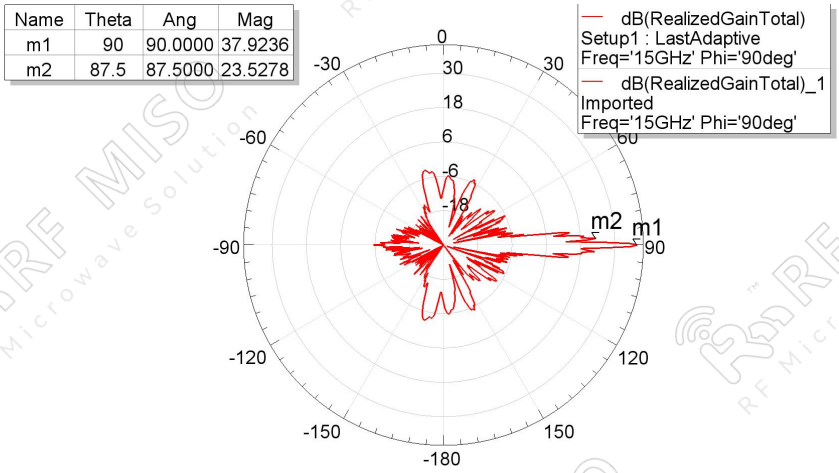


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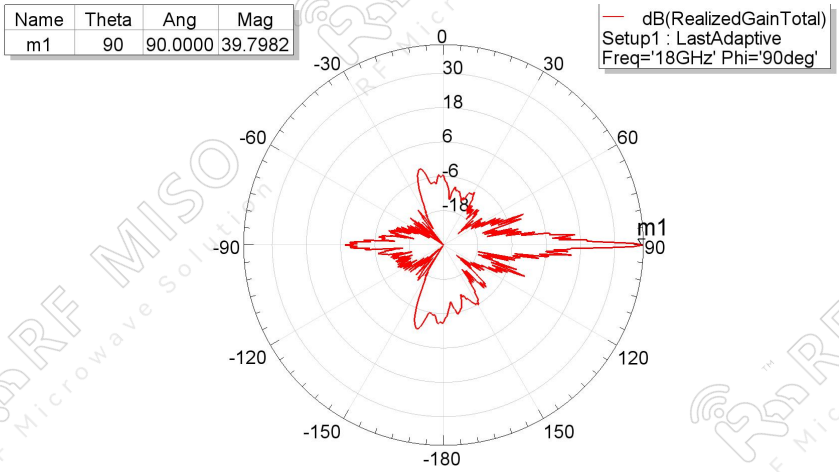
15 GHz

Name	Theta	Ang	Mag
m1	90	90.0000	37.9236
m2	87.5	87.5000	23.5278



18 GHz

Name	Theta	Ang	Mag
m1	90	90.0000	39.7982



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