RF MISO
RF Microwave Solution

Log Periodic Antenna 6dBi Typ. Gain, 0.03-3GHz Frequency Range

Log Periodic Antenna Data Sheet RM-LPA0033-6

Features

- Foldable
- Low VSWR
- Light Weight
- Rugged Construction
- Ideal for EMC testing

Descriptions

RF MISO's **Model RM-LPA0033-6** is log periodic antenna that operates from 0.03 to 3 GHz, The antenna offers 6dBi typical gain. The antenna VSWR is less than 2:1. The antenna RF ports are N-Female connector. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

RM-LPA0033-6		
Parameters	Specifications	Units
Frequency Range	0.03-3	GHz
Gain	6 Typ.	dBi
VSWR	2 Typ.	
Polarization	Linear-polarized	
Connector	N-Female	
Size(L*W*H)	1765*1452.39*1412.81(±5)	mm
Weight	3.797	kg
Power Handling, CW	300	w
Power Handling, Peak	3000	w

Website: www.rf-miso.com **Email**: info@rf-miso.com **Tel**: +86 028 82695327

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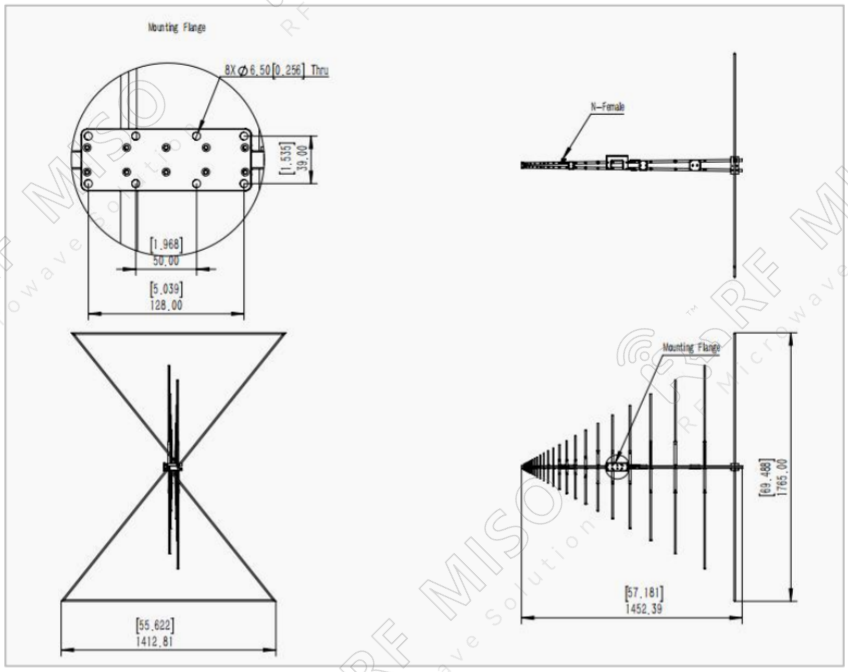
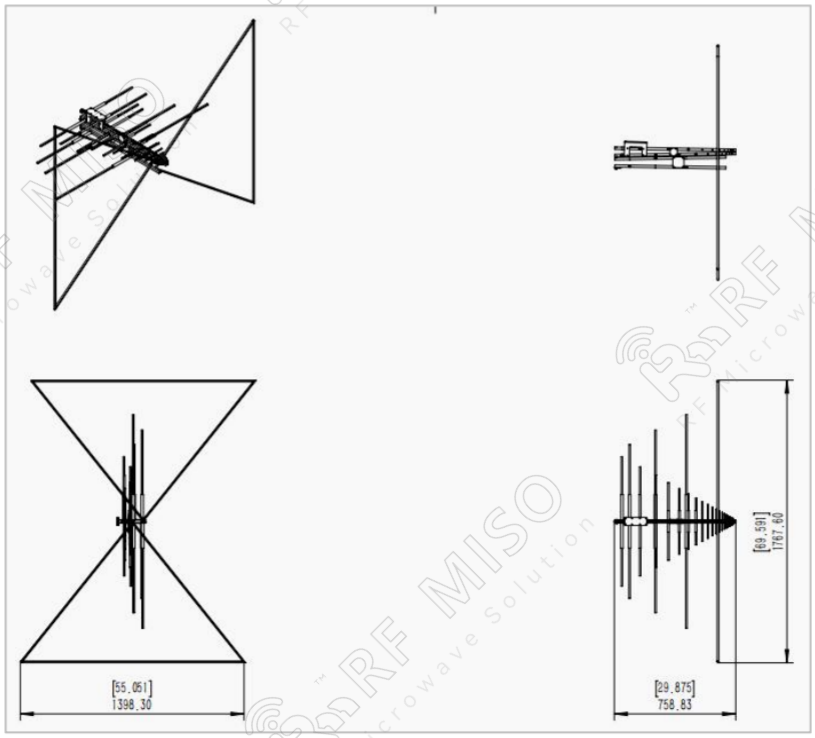
Outline Drawing



Outline Drawing_After Folding



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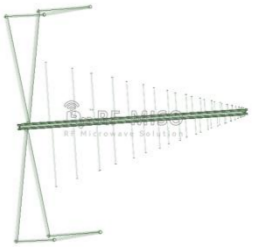

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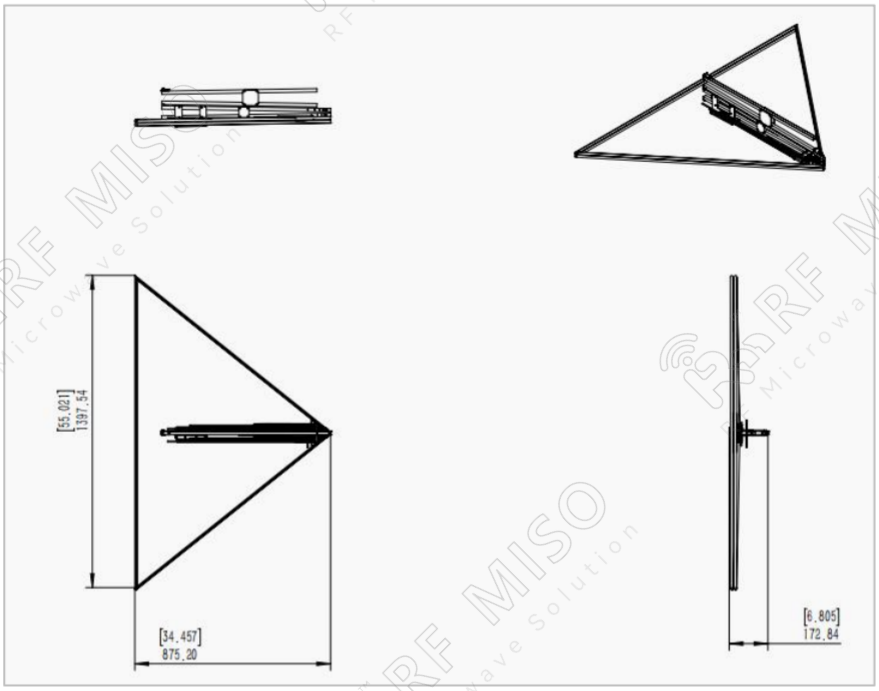
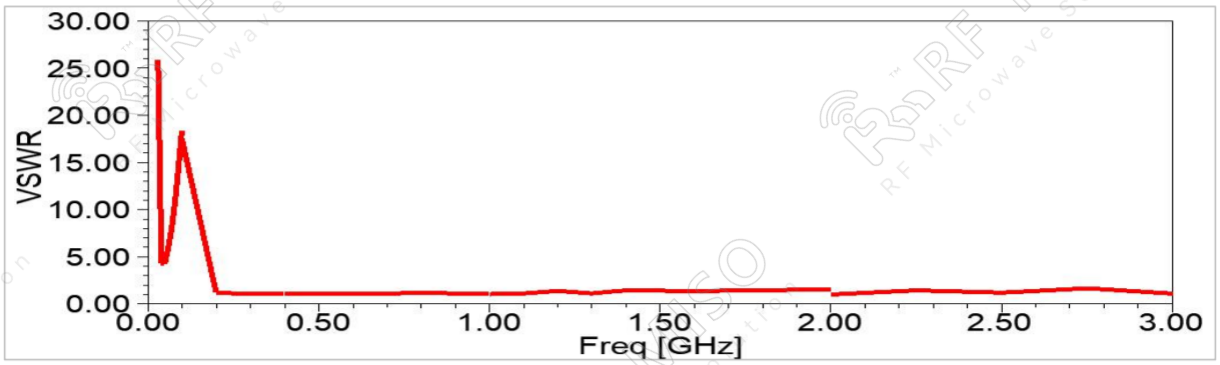


Simulation results:

VSWR



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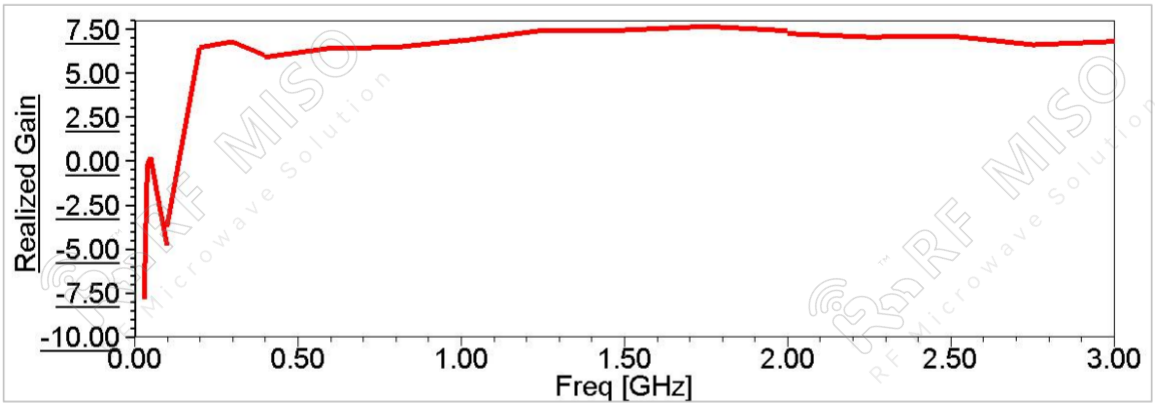
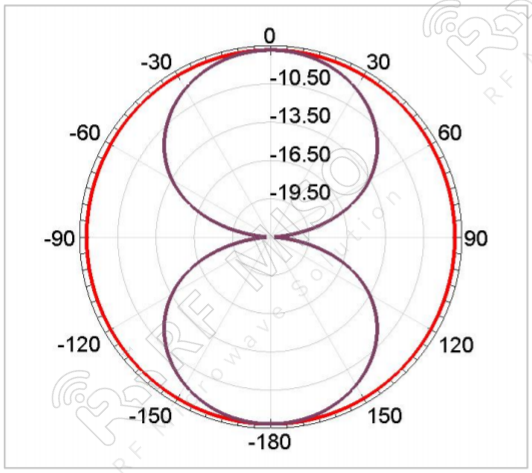
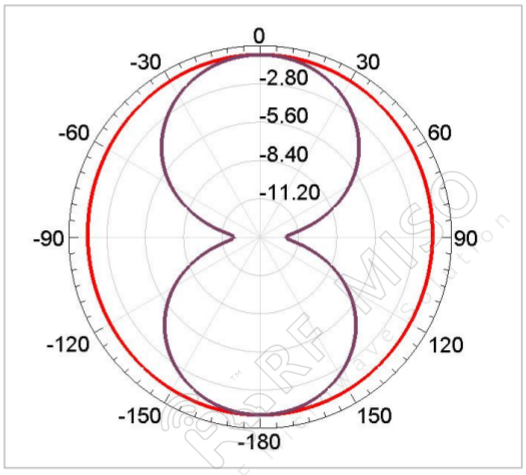
Gain



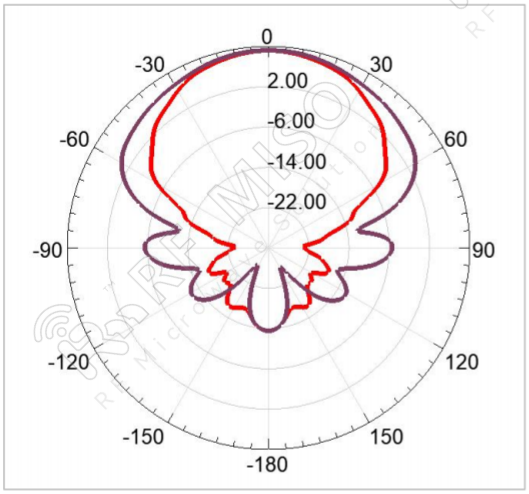
Gain Pattern



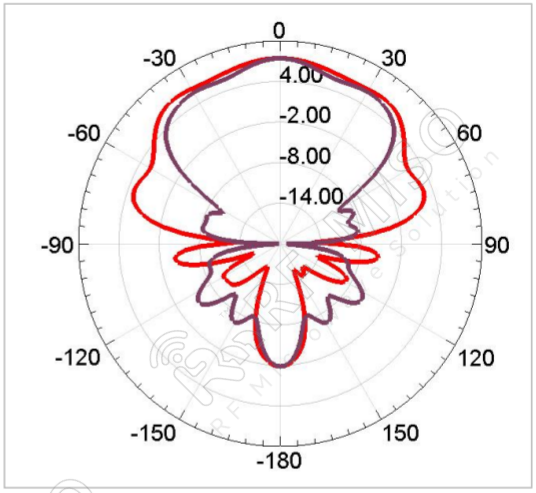
0.03GHz



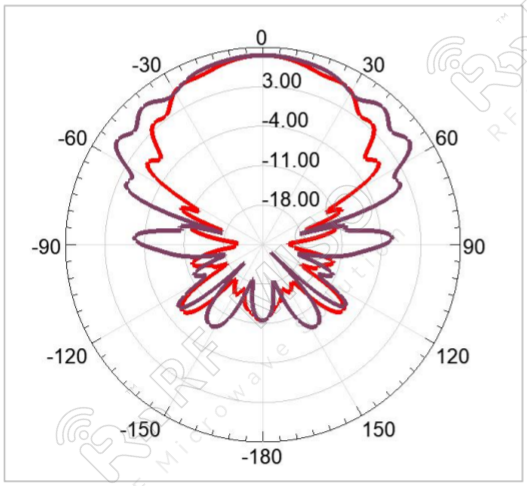
0.06GHz

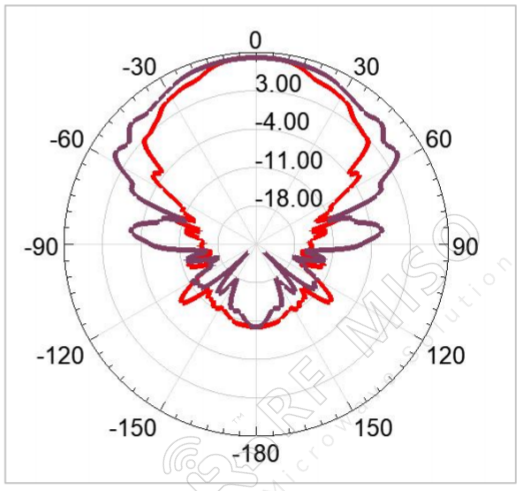


0.1GHz



0.6GHz





Frequency Range		1GHz	1.5GHz
3db beam width （deg）	E-Plane	61.89	57.45
	H-Plane	62.60	96.19

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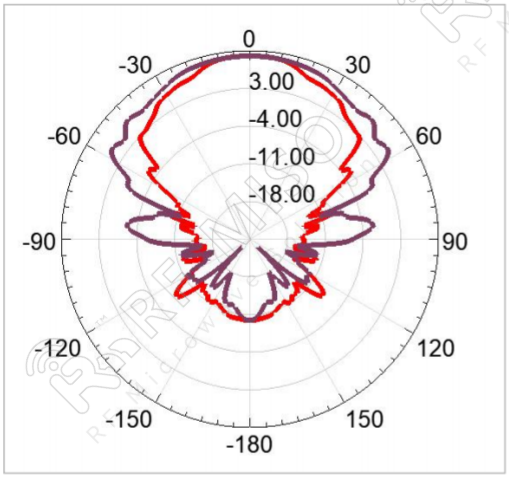
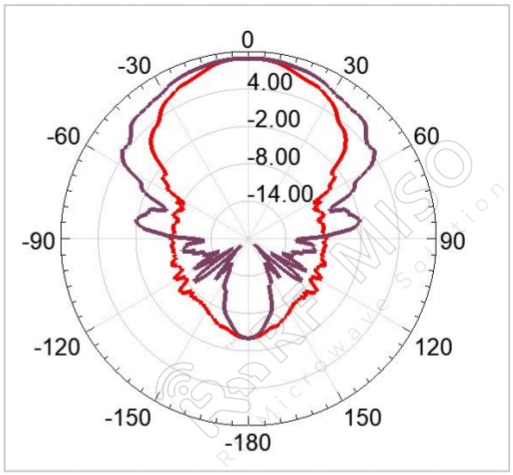
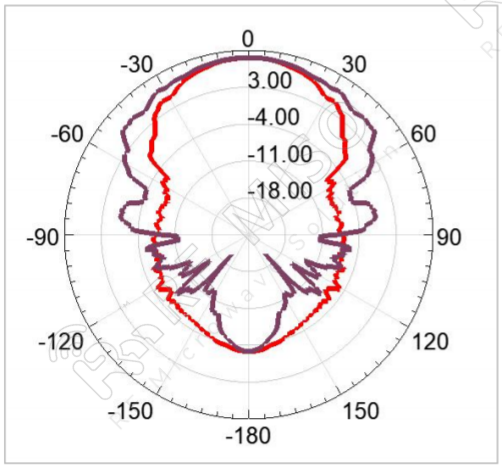




Frequency Range		2G	2.5G
3db beam width （deg）	E-Plane	53.42	58.19
	H-Plane	97.17	92.87



Frequency Range		3G
3db beam width （deg）	E-Plane	53.61
	H-Plane	91.19