

Log Periodic Antenna 7dBi Typ. Gain, 0.5-4GHz  
Frequency Range

## Log Periodic Antenna Data Sheet

**RM-LPA054-7**

### Features

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

### Descriptions

RF MISO's **Model RM-LPA054-7** is log periodic antenna that operates from 0.5 to 4 GHz, The antenna offers 7dBi typical gain. The antenna VSWR is 1.5 Typ. 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

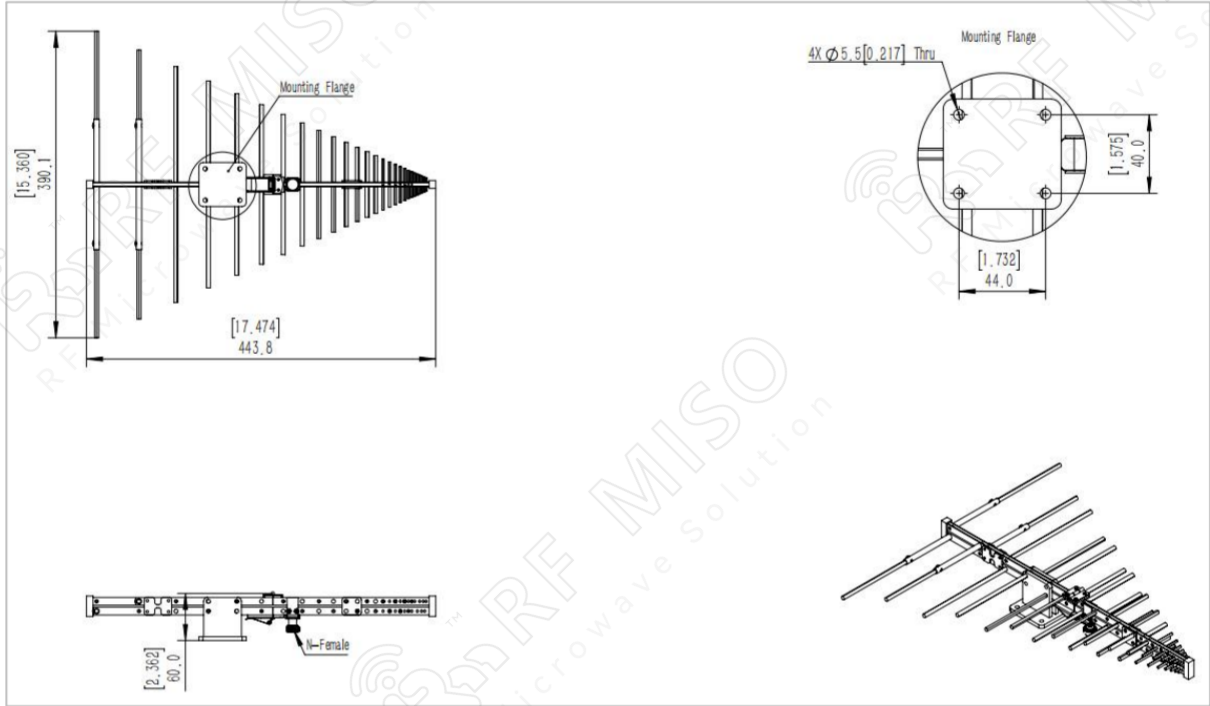
RM-LPA054-7		
Parameters	Specifications	Units
Frequency Range	0.5-4	GHz
Gain	7 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Linear-polarized	
Connector	N-Female	
Size (L*W*H)	443.8*390.1*60(±5)	mm
Weight	0.369	kg

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**Outline Drawing**

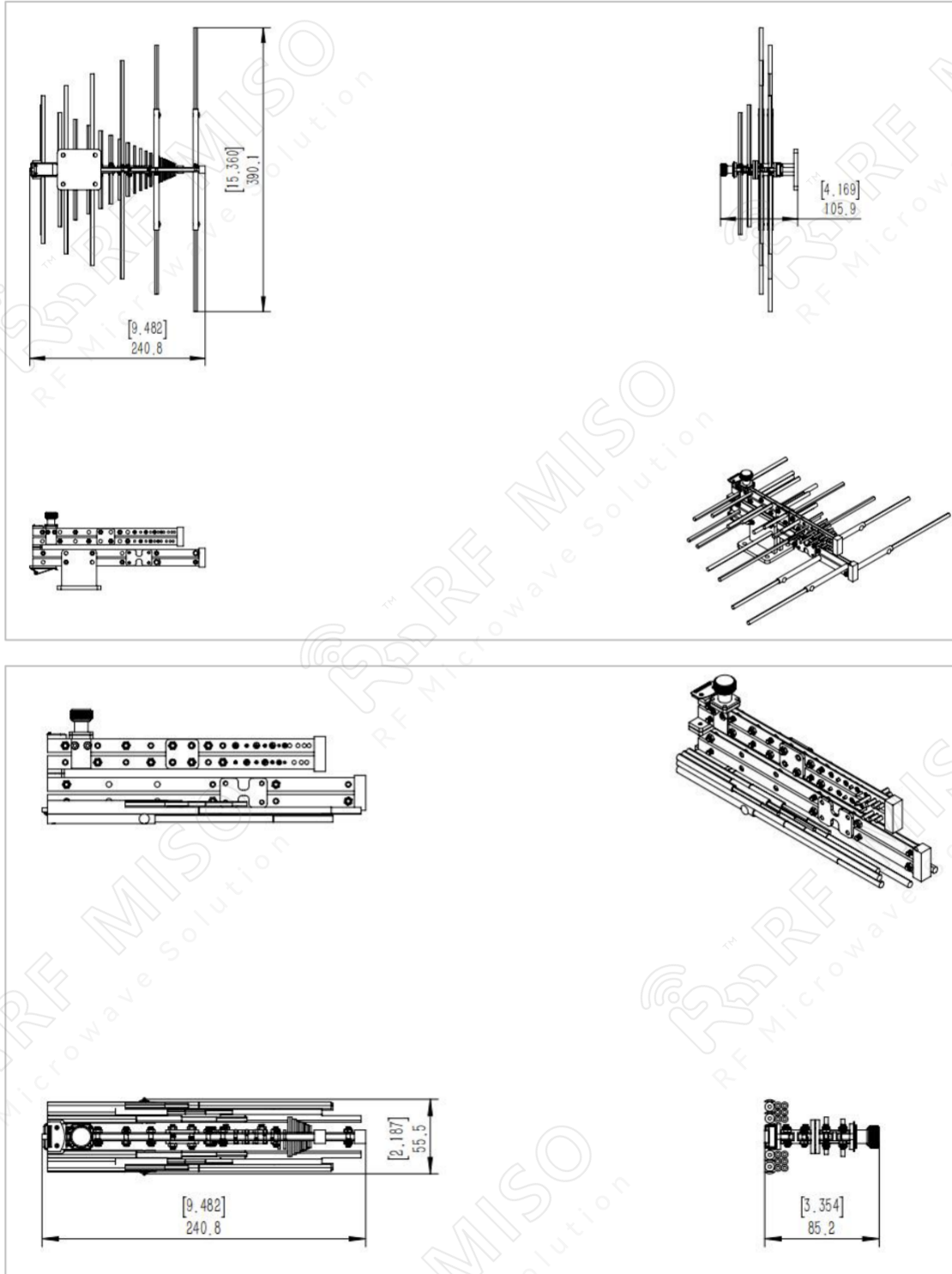


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**Outline Drawing\_After Folding**



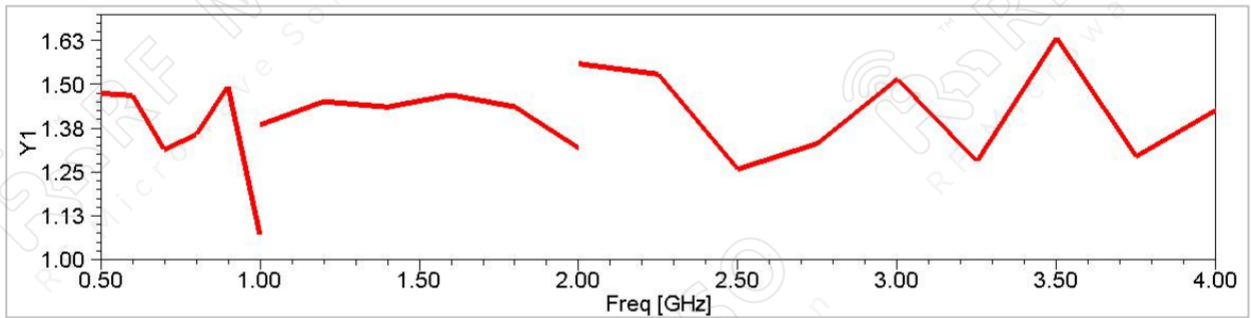
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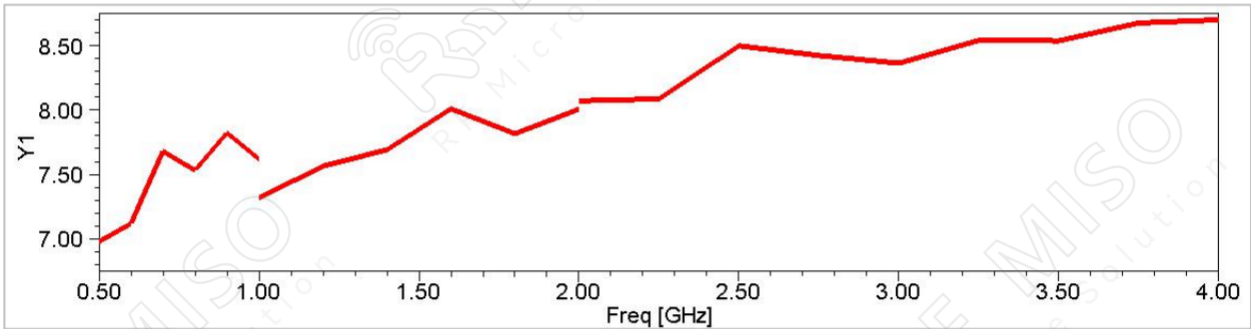
**RM-LPA054-7**

**Simulation results:**

**VSWR**



**Gain**

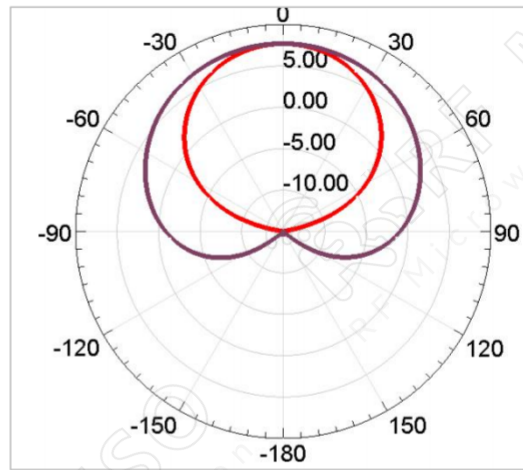
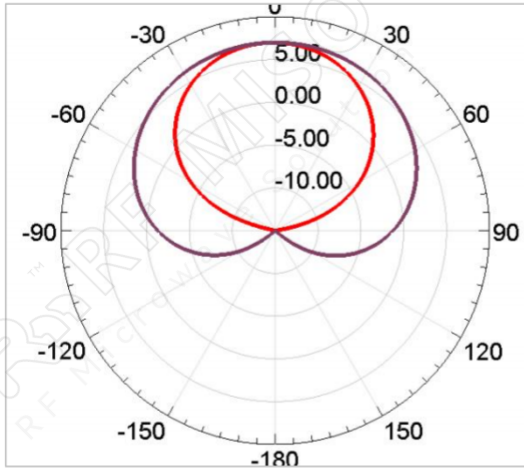


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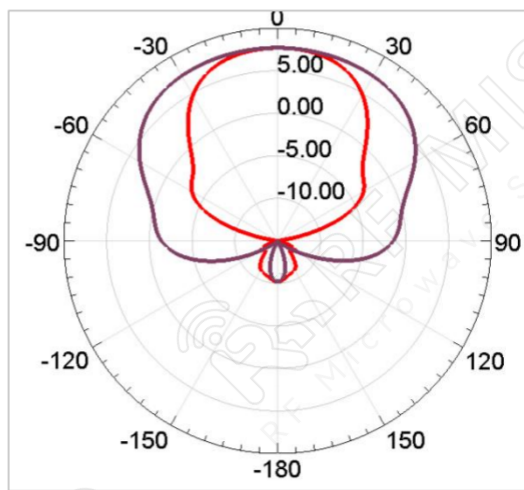
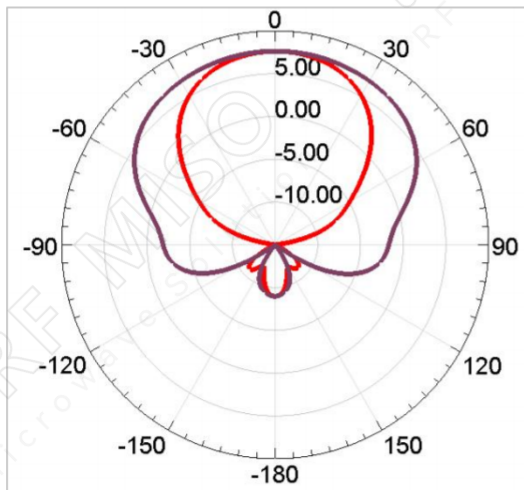
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**Gain Pattern**



Frequency Range		0.5GHz	0.7GHz
3db beam width (deg)	E-Plane	66.61	64.42
	H-Plane	117.22	107.89



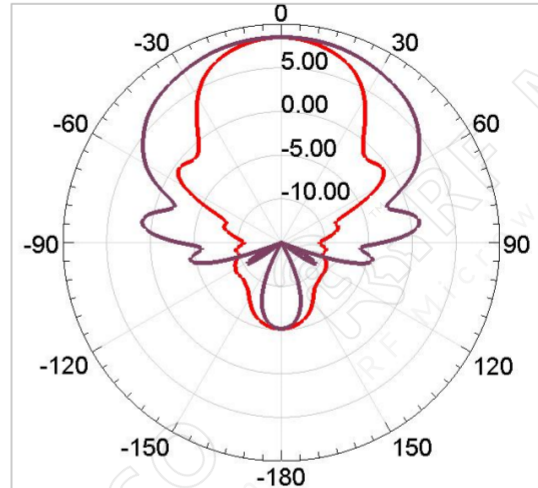
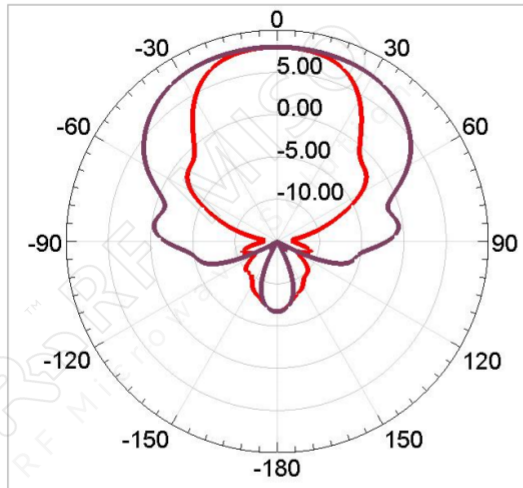
Frequency Range		1GHz	1.4GHz
3db beam width (deg)	E-Plane	64.83	60.88
	H-Plane	114.25	110.15



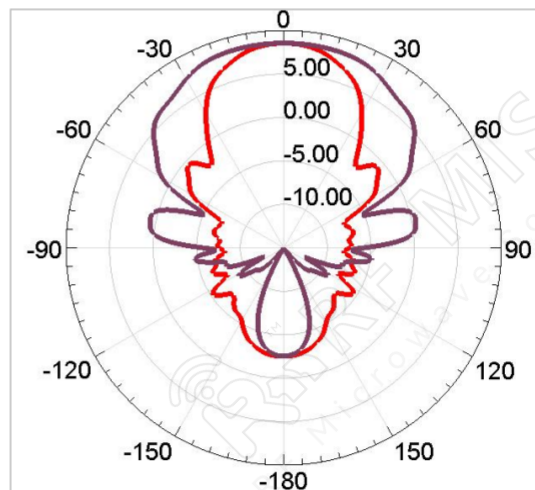
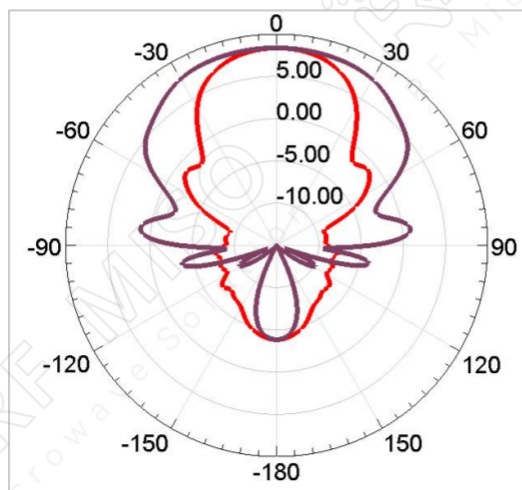
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Frequency Range		2GHz	2.5GHz
3db beam width (deg)	E-Plane	56.86	52.23
	H-Plane	103.57	99.11

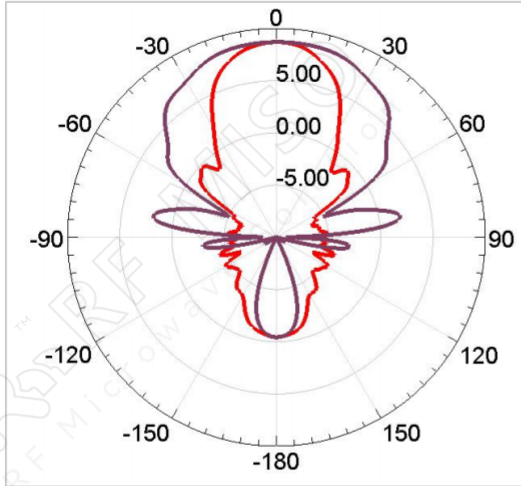


Frequency Range		3GHz	3.5GHz
3db beam width (deg)	E-Plane	52.06	47.43
	H-Plane	95.91	92.77

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Frequency Range		4GHz
3db beam width (deg)	E-Plane	43.92
	H-Plane	86.33