

## Log Periodic Antenna Data Sheet

**RM-LPA0254-7**

### Features

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

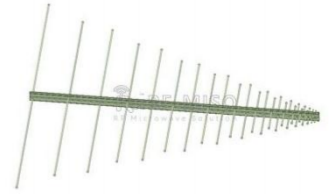
### Descriptions

RF MISO's **Model RM-LPA0254-7** is log periodic antenna that operates from 0.25 to 4 GHz, The antenna offers 7dBi typical gain. The antenna VSWR is 1.5Typ. 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-LPA0254-7		
Parameters	Specifications	Units
Frequency Range	0.25-4	GHz
Gain	7 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Linear-polarized	
Connector	N-Female	
Size (L*W*H)	751.1*713.1*62(±5)	mm
Weight	0.694	kg

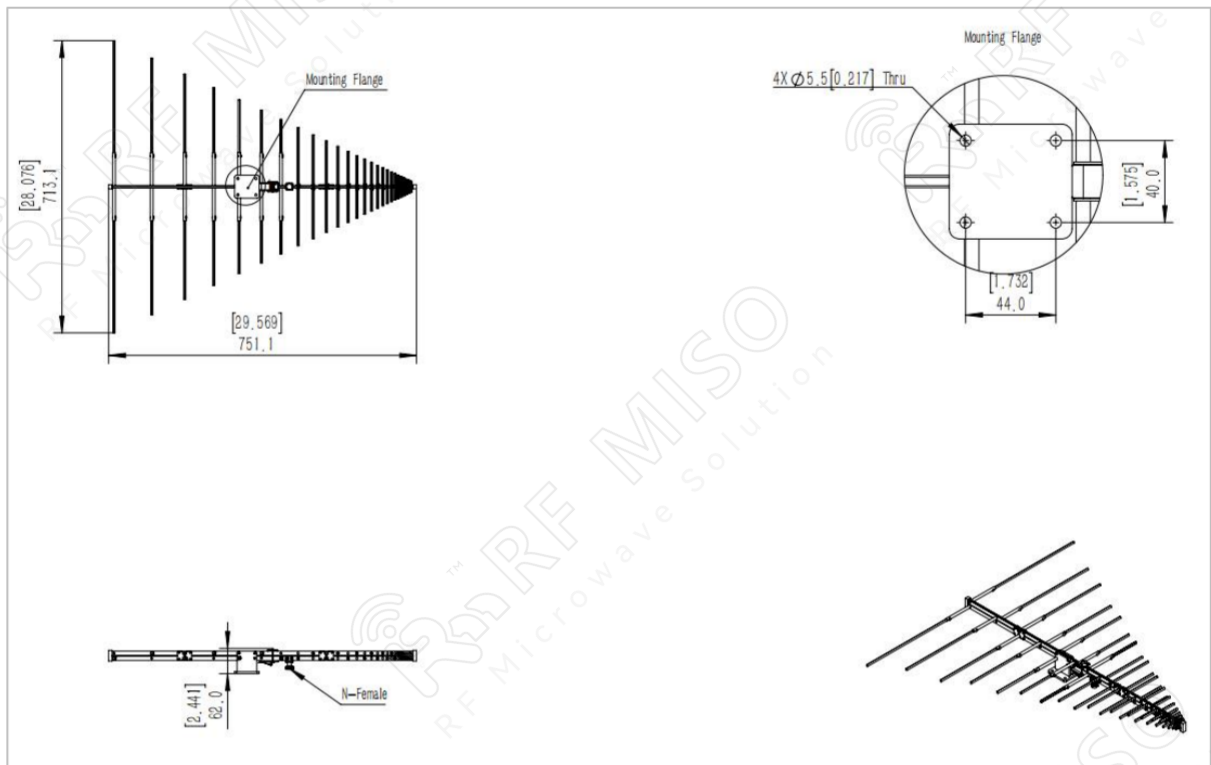
Log Periodic Antenna 7dBi Typ. Gain, 0.25-4GHz  
Frequency Range



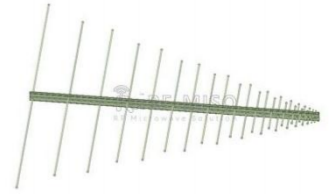
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**Outline Drawing**



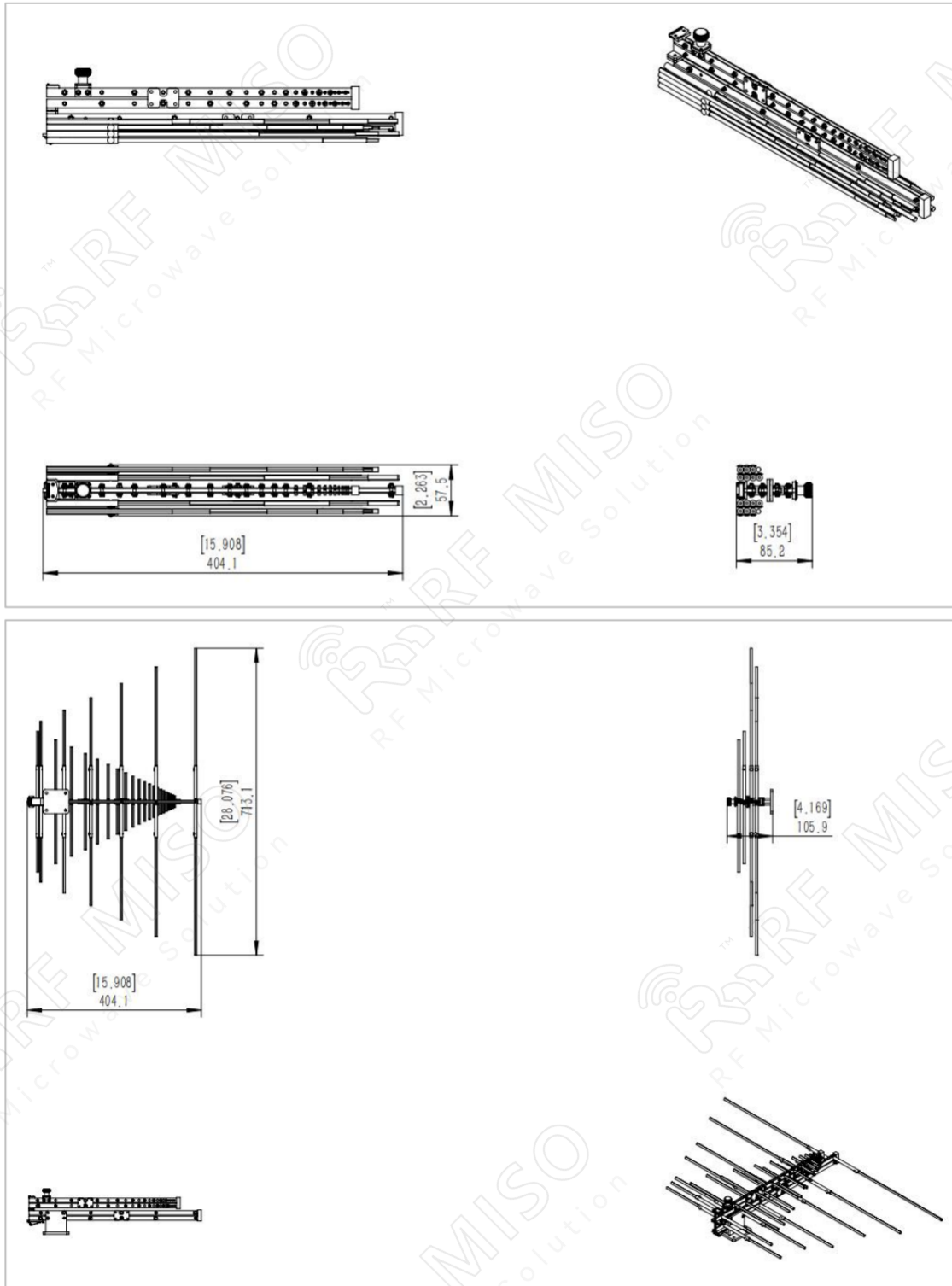
Log Periodic Antenna 7dBi Typ. Gain, 0.25-4GHz  
Frequency Range

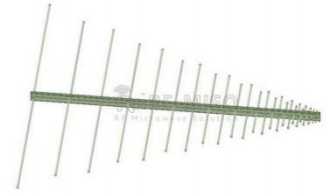


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**Outline Drawing\_After Folding**





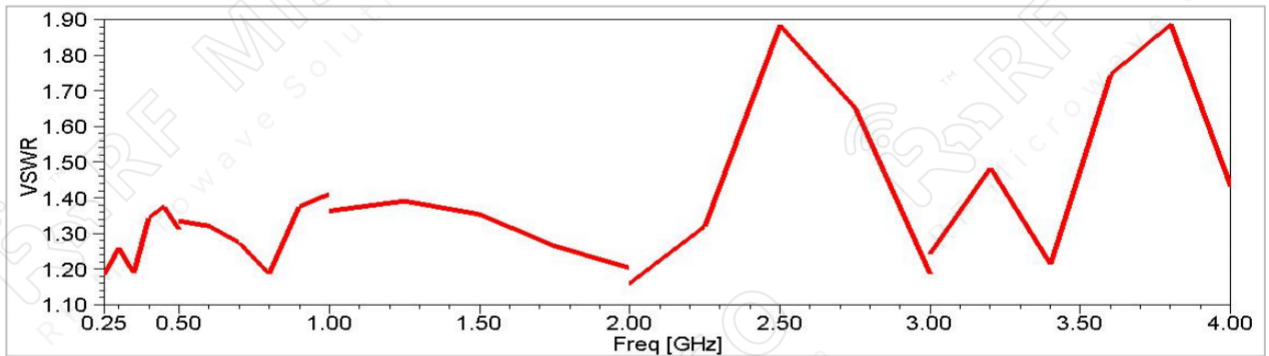
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Frequency Range

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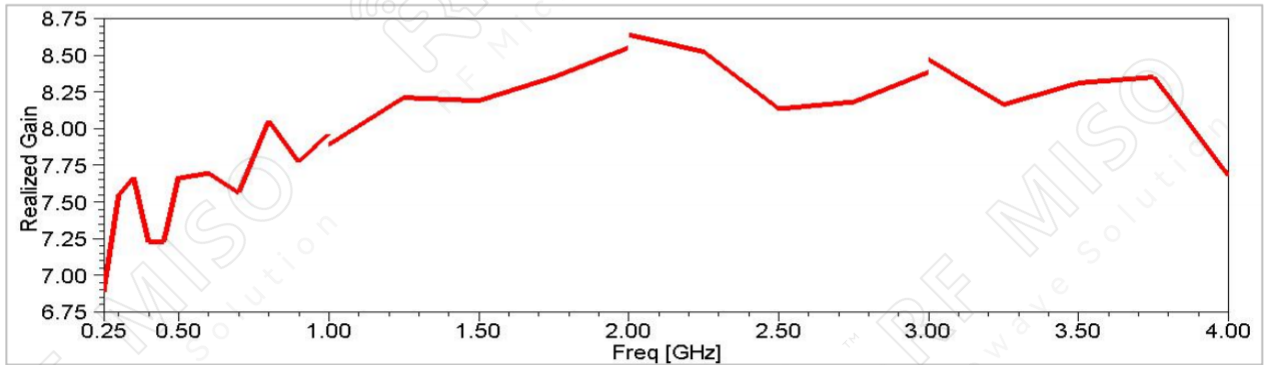
**RM-LPA0254-7**

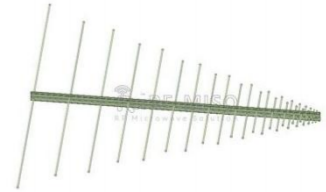
**Simulation results:**

**VSWR**



**Gain**



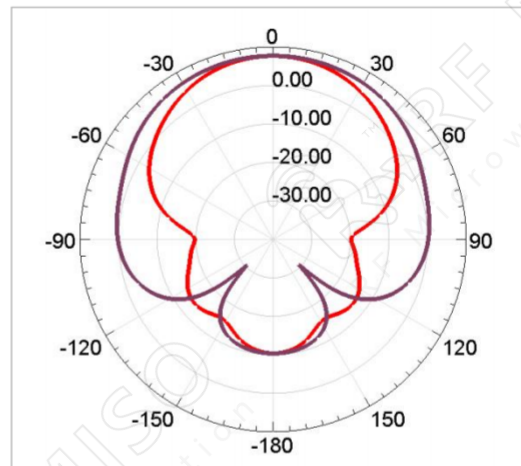
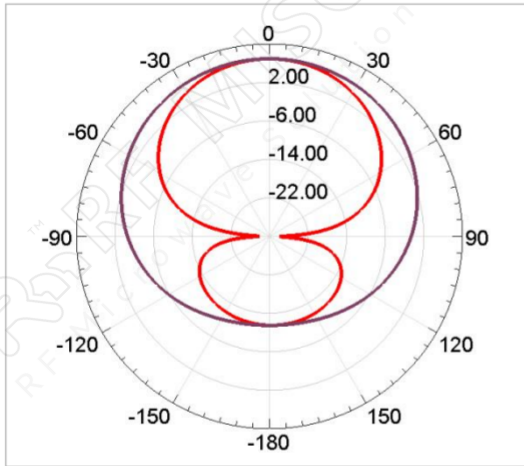


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Frequency Range

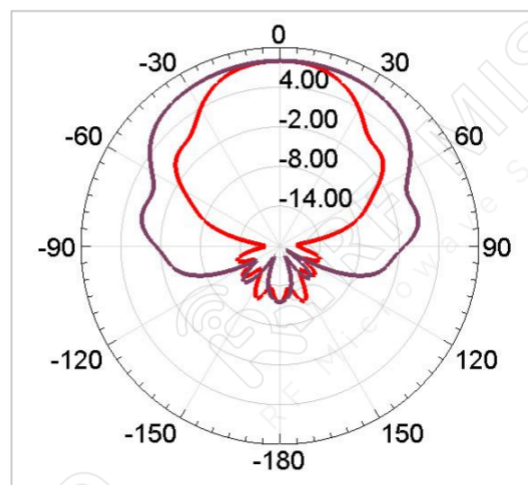
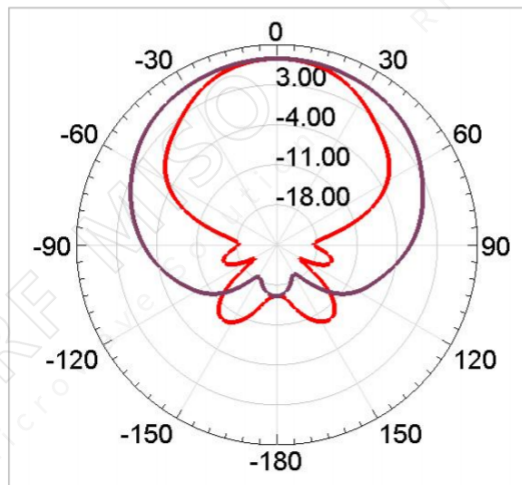
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**Gain Pattern**

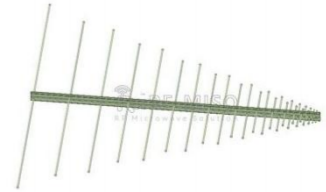


Frequency Range		0.25GHz	0.5GHz
3db beam width (deg)	E-Plane	66.17	59.32
	H-Plane	116.15	100.62



Frequency Range		0.7GHz	1GHz
3db beam width (deg)	E-Plane	57.63	53.12
	H-Plane	109.8	102.79

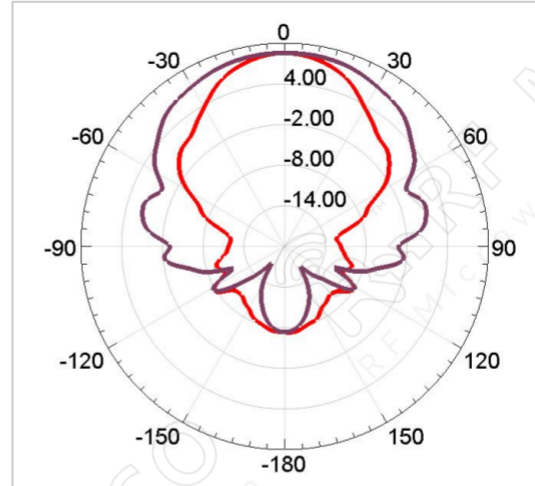
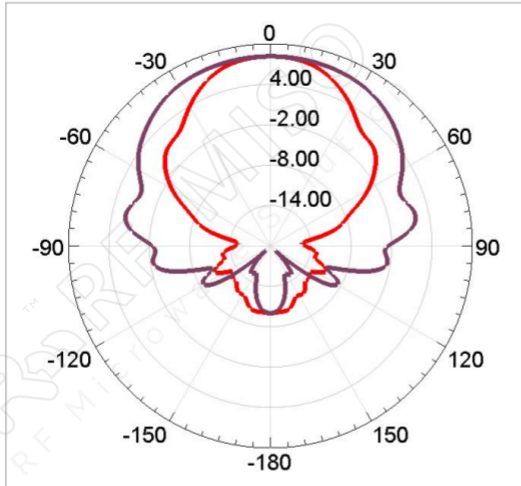




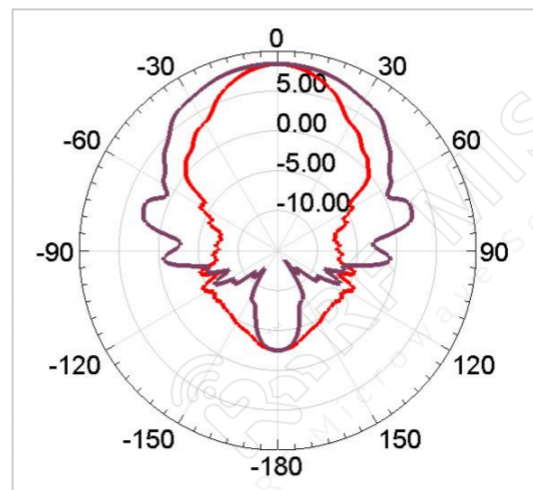
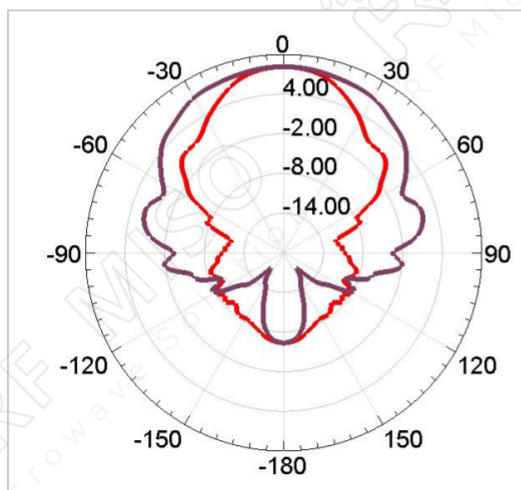
Log Periodic Antenna 7dBi Typ. Gain, 0.25-4GHz  
Frequency Range

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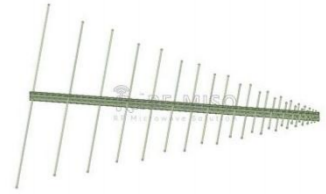


Frequency Range		1.5GHz	2GHz
3db beam width (deg)	E-Plane	50.11	46.63
	H-Plane	94.34	87.55



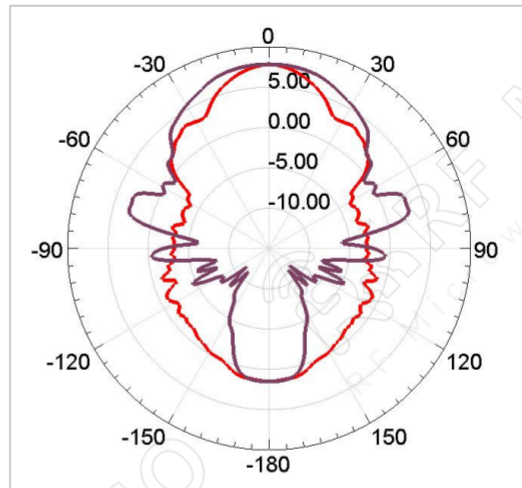
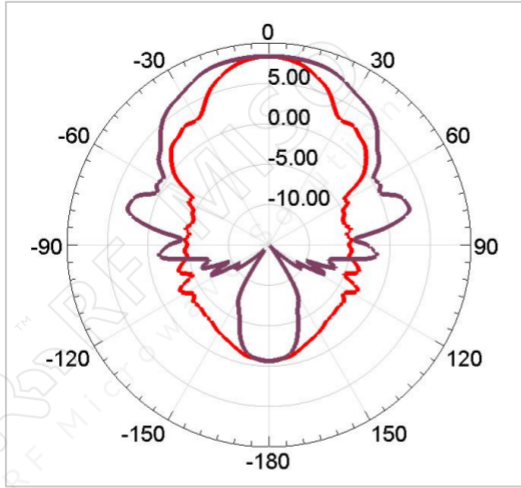
Frequency Range		2.5GHz	3GHz
3db beam width (deg)	E-Plane	45.27	44.11
	H-Plane	88.12	82.51

Log Periodic Antenna 7dBi Typ. Gain, 0.25-4GHz  
Frequency Range



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Frequency Range		3.5GHz	4GHz
3db beam width (deg)	E-Plane	42.18	41.66
	H-Plane	81.01	70.59