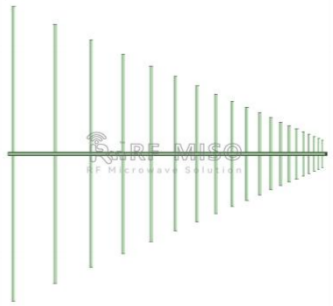
RF MISO
RF Microwave Solution

log periodic antenna 7 dBi Typ. Gain, 0.5-2 GHz Frequency Range



Log Periodic Antenna Data Sheet RM-LPA052-7

Features

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

Descriptions

RF MISO's **Model RM-LPA052-7** is log periodic antenna that operates from 0.5 to 2 GHz, The antenna offers 7 dBi typical gain. The antenna VSWR is less than 1.5. 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.

Specificaions

RM-LPA052-7		
Parameters	Typical	Units
Frequency Range	0.5-2	GHz
Gain	7 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Linear	
Antenna Form	Logarithmic antenna	
Connector	N-Female	
Material	Al	
Size (L*W*H)	500*495.6*62 (±5)	mm
Weight	0.424	kg

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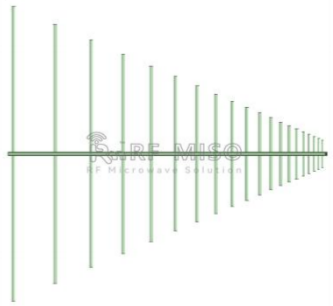

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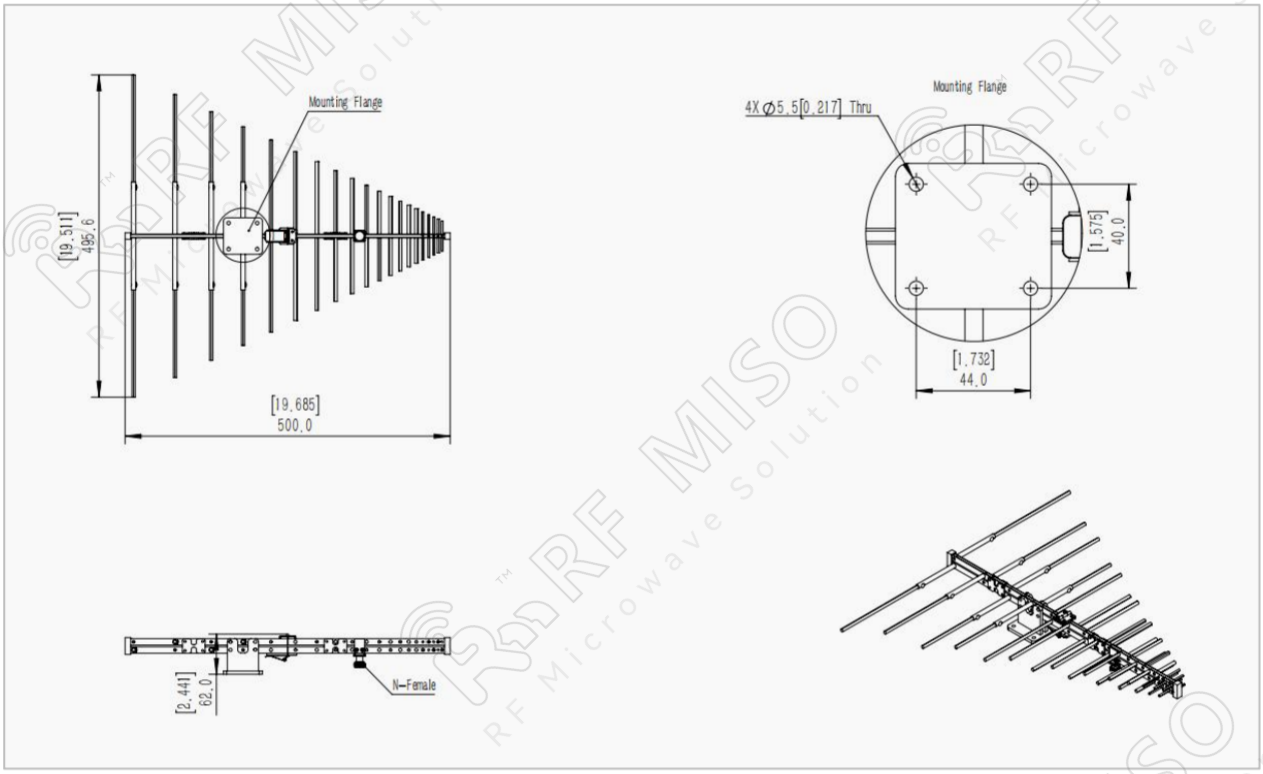
Outline Drawing



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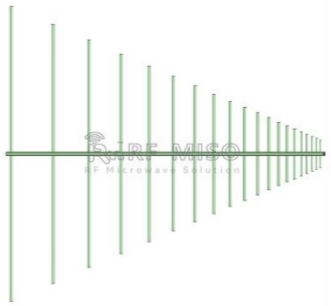

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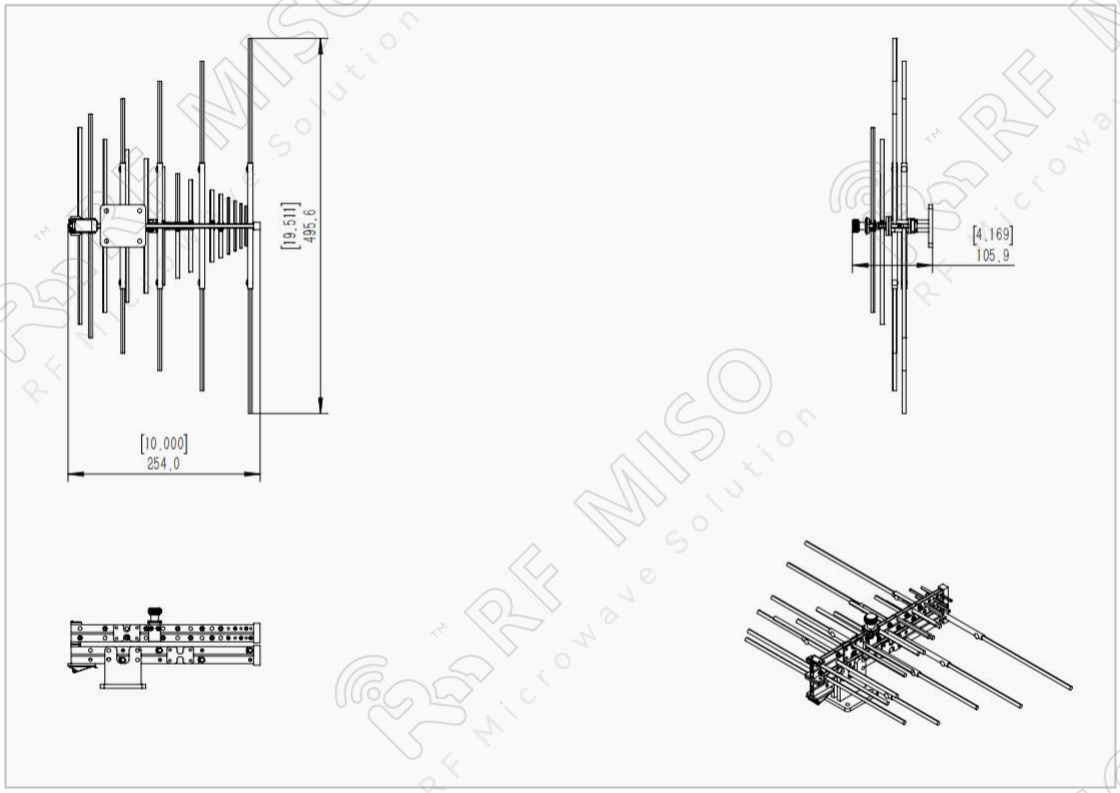
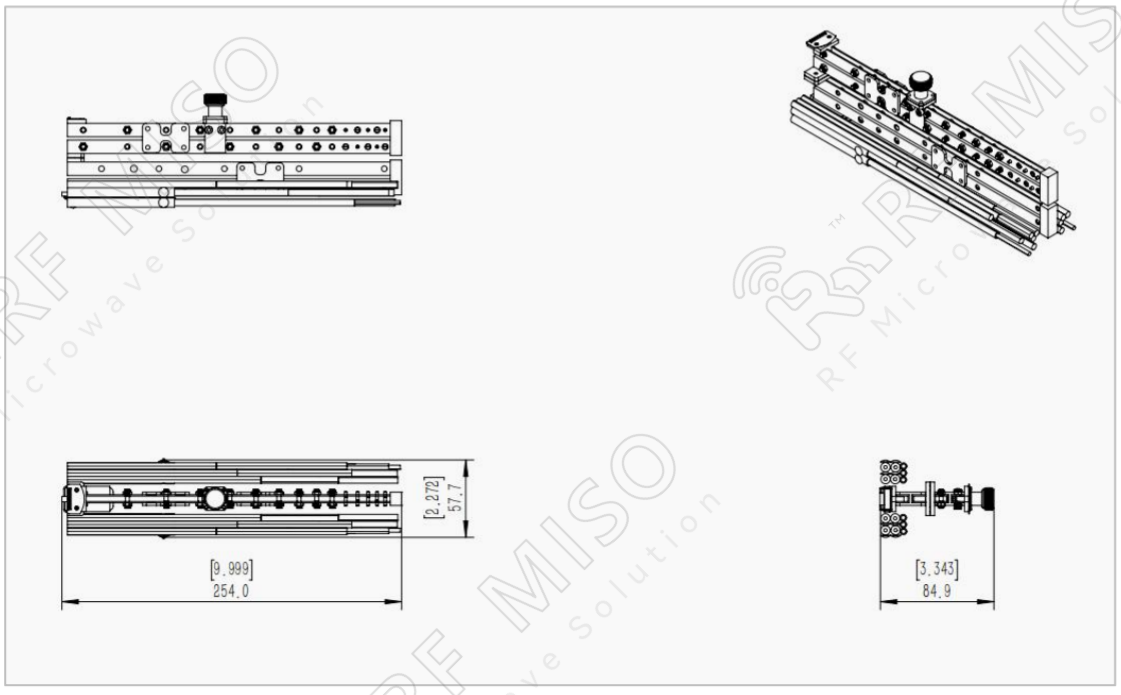
Outline Drawing_After Folding





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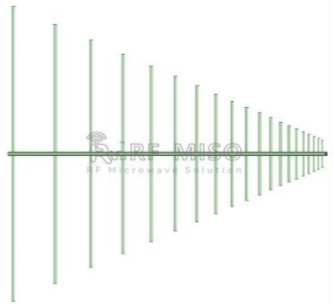

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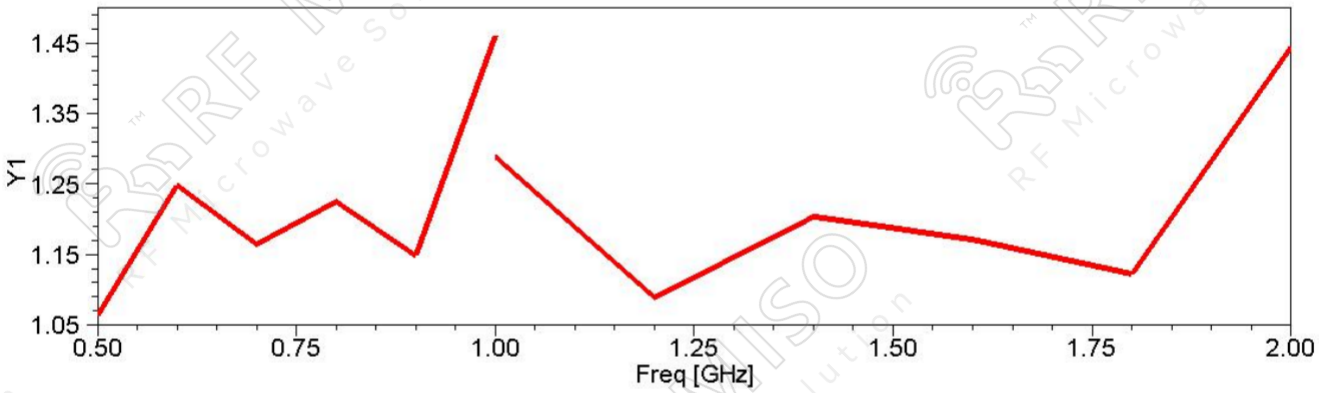
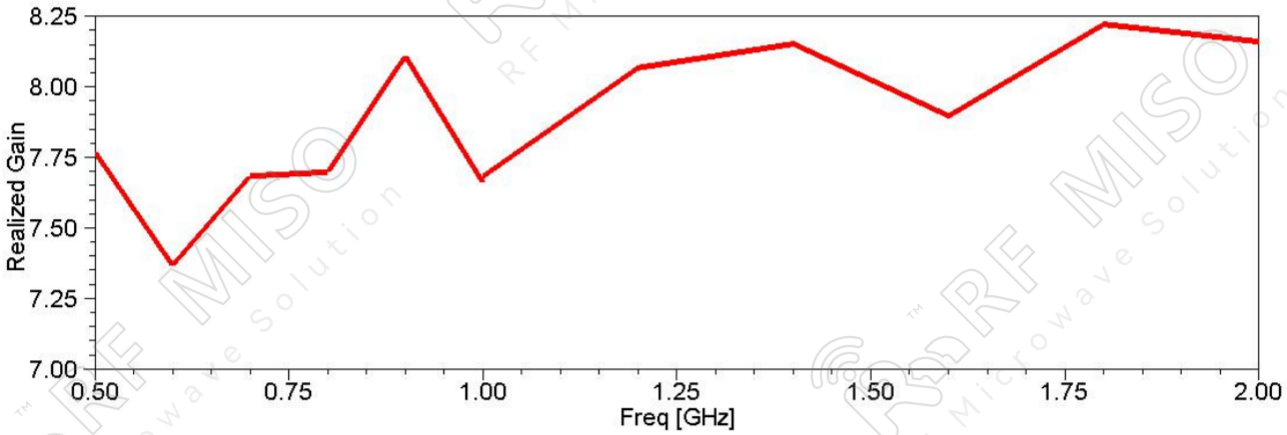
Testing Data

VSWR



Gain



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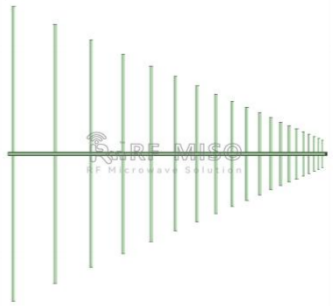

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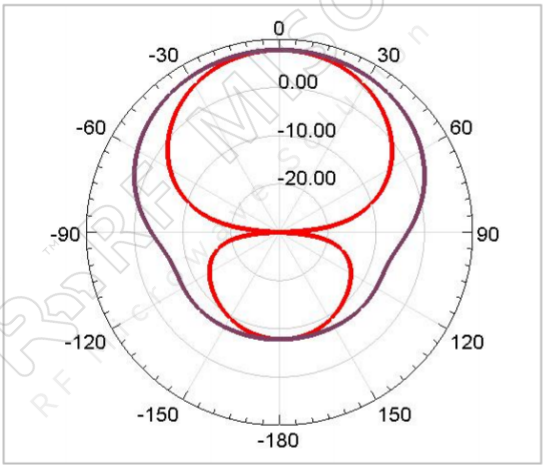
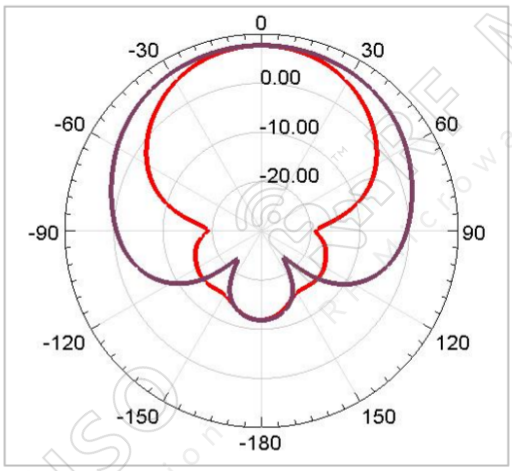
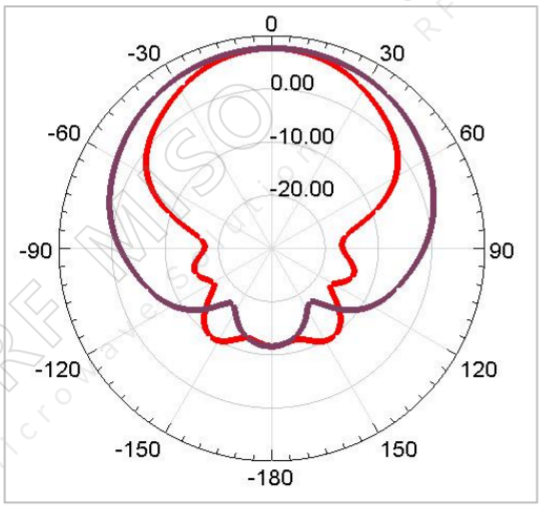
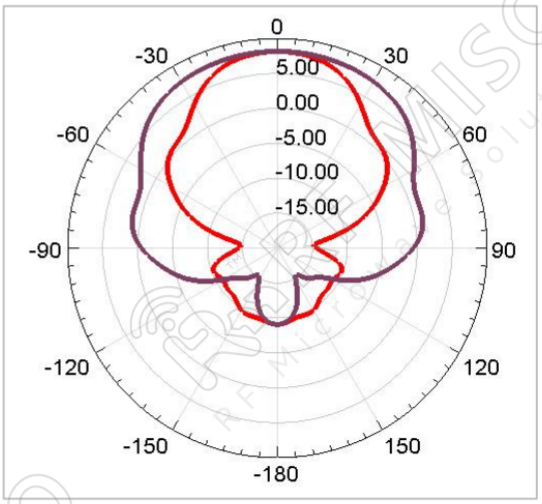
Gain Patterns





Frequency Range		0.5G	0.7G
3db beam width （deg）	E-Plane	64.09	62.63
	H-Plane	108.95	108.51





Frequency Range		1G	1.4G
3db beam width （deg）	E-Plane	57.90	51.04
	H-Plane	101.69	98.76

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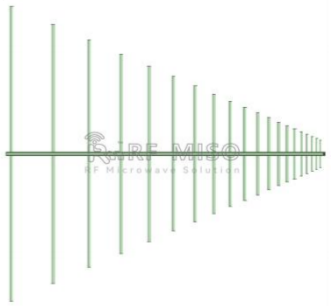

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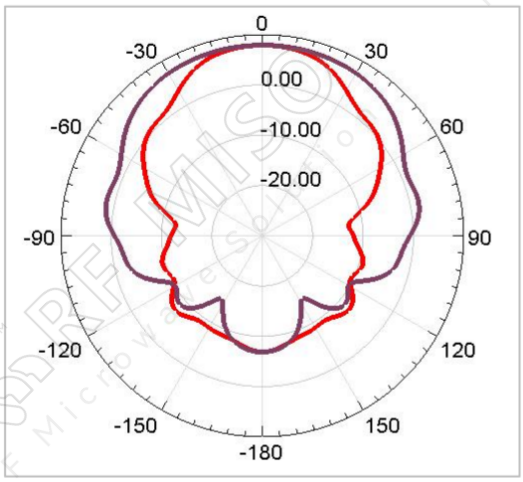

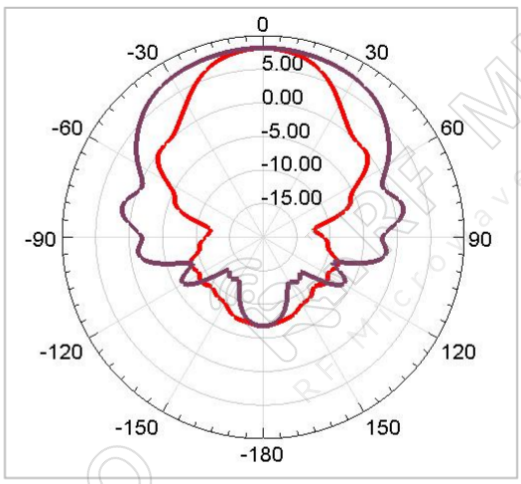

Frequency Range		1.6G	2G
3db beam width （deg）	E-Plane	50.3	46.13
	H-Plane	98.79	92.89