

RHCP Log Spiral Antenna 3.5dBi Typ. Gain, 0.1-1 GHz Frequency Range

Log Spiral Antenna Data Sheet

RM-LSA011-4R

Description

RF MISO's **Model RM-LSA011-4R** is a right-handed circularly log spiral antenna that operates from 0.1-1GHz. The antenna offers a gain 3.5 dBi Typ. and low VSWR 2.5 with SMA-Female connector. It is specifically designed for fields with extremely high requirements for bandwidth and polarization adaptability, such as electronic reconnaissance, EMC testing, and broadband communication.

Specification

RM-LSA011-4R			
Parameters	Typical		Units
Frequency Range	0.1-1		GHz
Impedance	50		ohms
Gain	3.5 Typ.		dBi
VSWR	2.5 Typ.		
Polarization	RH Circular		
Axial Ratio	<3.75		dB
Size	1270*Ø1000(±5)		mm
Connector	SMA-Female		
Antenna Weight	14.815		Kg
Weight with Antenna Bracket	26.835		Kg
Power Handling	CW:50	Peak:100	W
Antenna Material	Composite Materials		

Note:

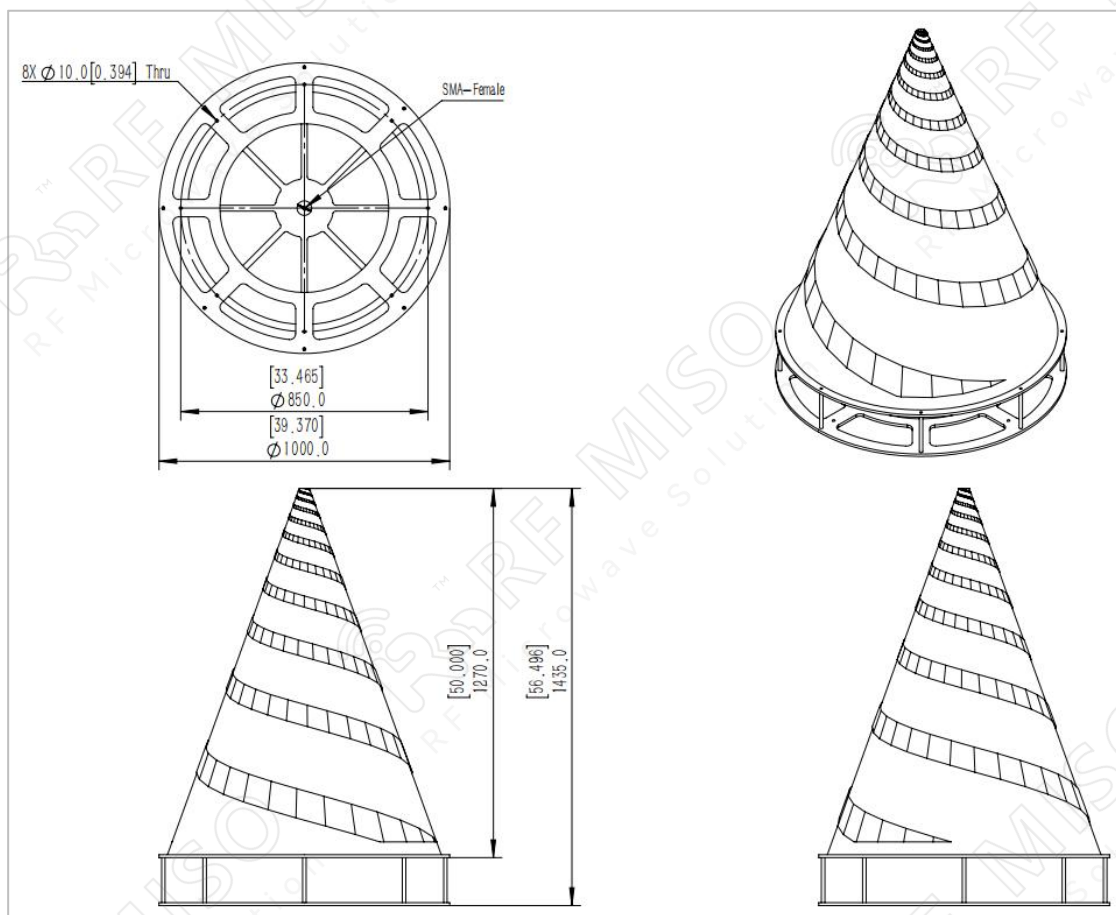
The data for LHCP is the same as RHCP

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Outline Drawing with Antenna Bracket



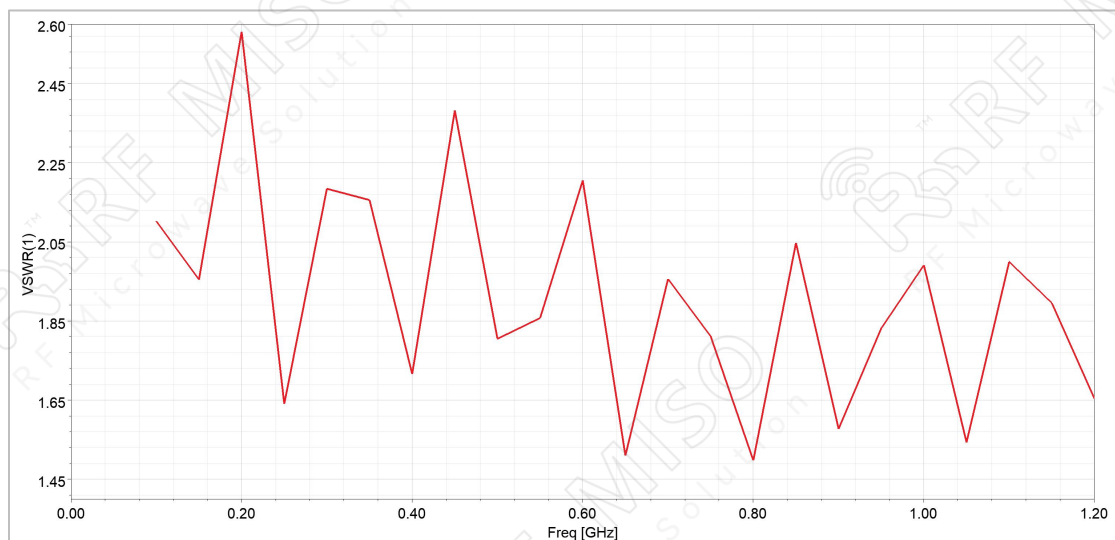
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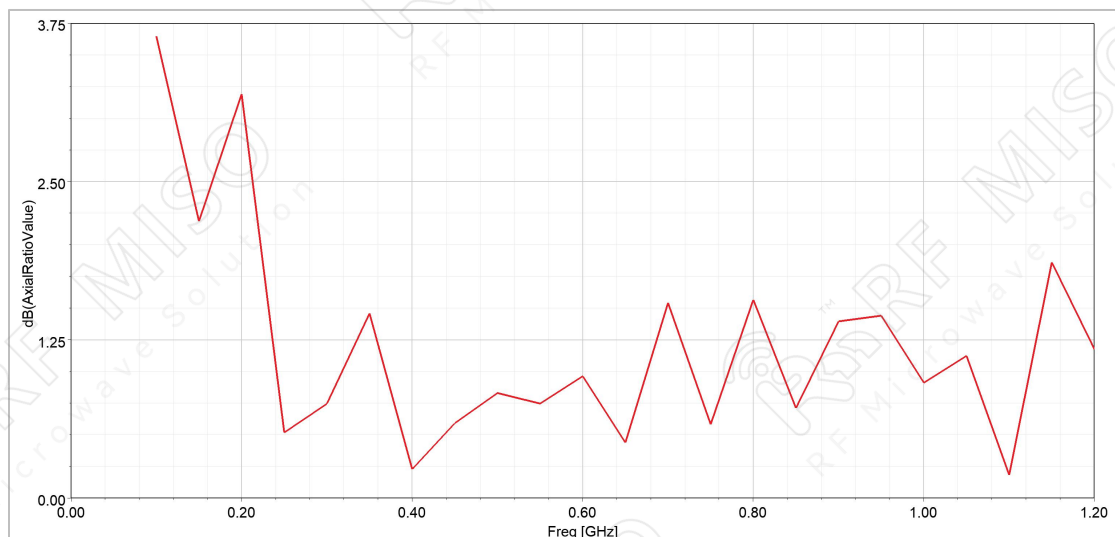
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Simulation Results

VSWR



Axial Ratio

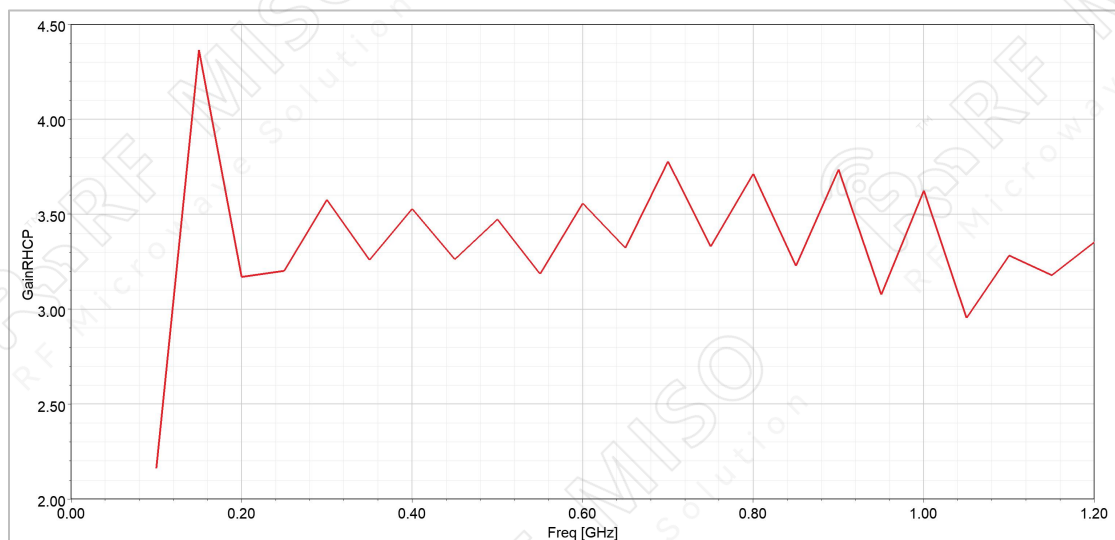


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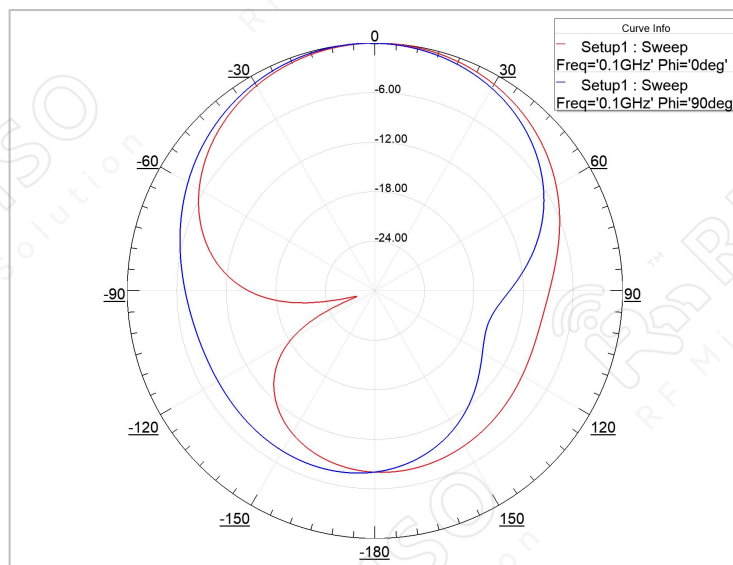
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Gain



Radiation Pattern

0.1 GHz:

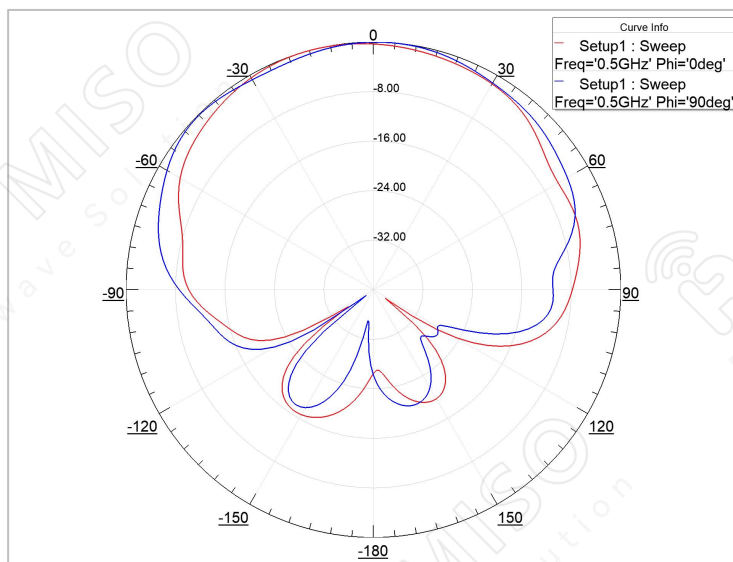


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0.5GHz:



1GHz:

