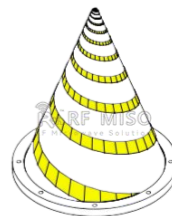


Log Spiral Antenna 3.6dBi Typ. Gain, 1-12 GHz  
Frequency Range



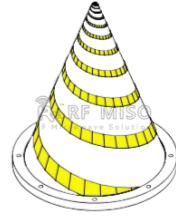
## Log Spiral Antenna Data Sheet

**RM-LSA112-4**

### Specification

RM-LSA112-4		
Parameters	Typical	Units
Frequency Range	1-12	GHz
Impedance	50ohms	
Gain	3.6 Typ.	dBi
VSWR	1.8 Typ.	
Polarization	RH circular	
Axial Ratio	<2	dB
Size	Φ167*237	mm
Deviation from omni	±4dB	
1GHz Beamwidth 3dB	E plane: 99°      H plane: 100.3°	
4GHz Beamwidth 3dB	E plane: 91.2°      H plane: 98.2°	
7GHz Beamwidth 3dB	E plane: 122.4°      H plane: 111.7°	
11GHz Beamwidth 3dB	E plane: 95°      H plane: 139.4°	
Weight	0.527	kg

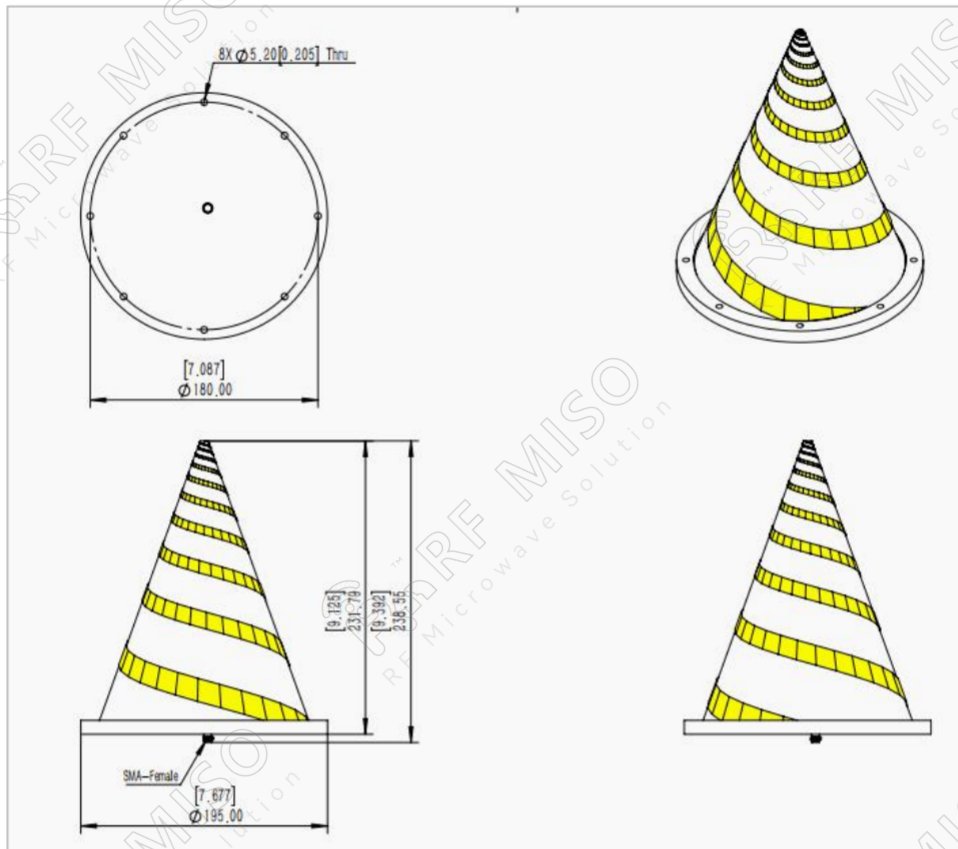
Log Spiral Antenna 3.6dBi Typ. Gain, 1-12 GHz  
Frequency Range



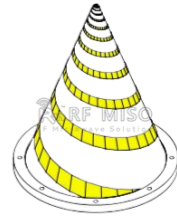
**Log Spiral Antenna Data Sheet**

**RM-LSA112-4**

**Outline Drawing**



Log Spiral Antenna 3.6dBi Typ. Gain, 1-12 GHz  
Frequency Range

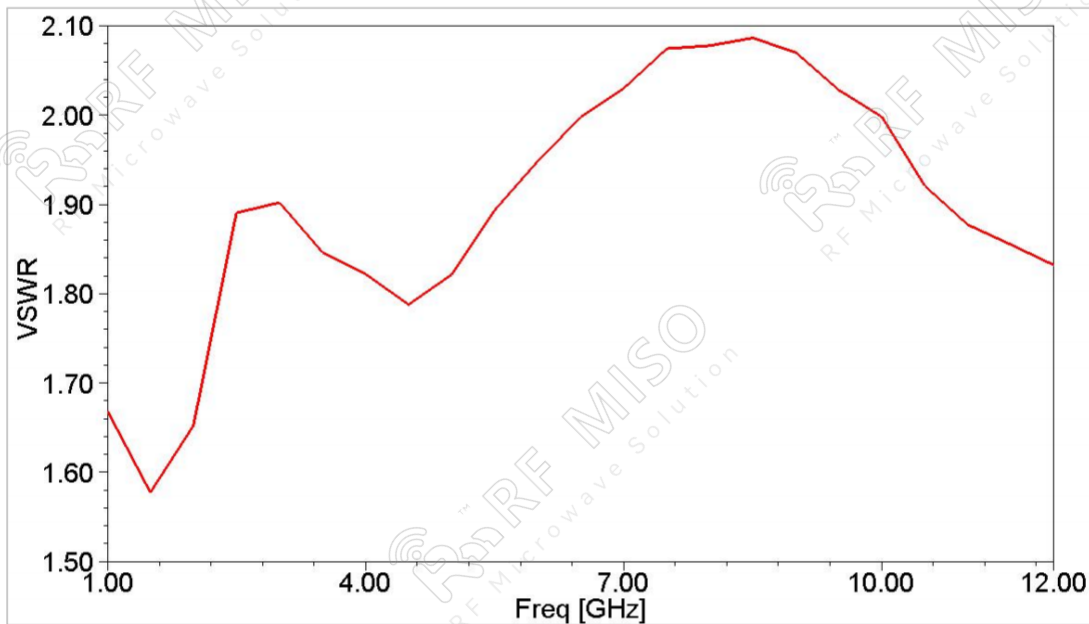


**Log Spiral Antenna Data Sheet**

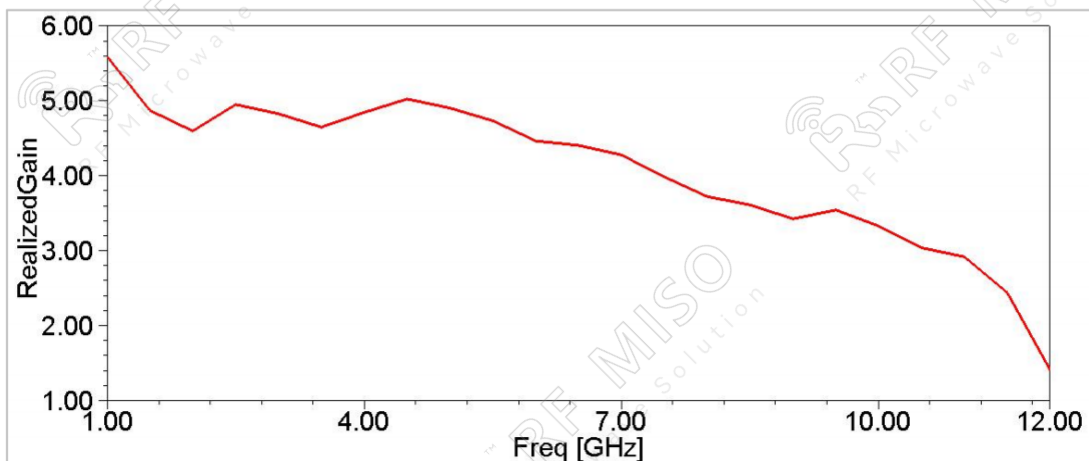
**RM-LSA112-4**

**Simulation Results**

**VSWR**



**Realized Gain Total**



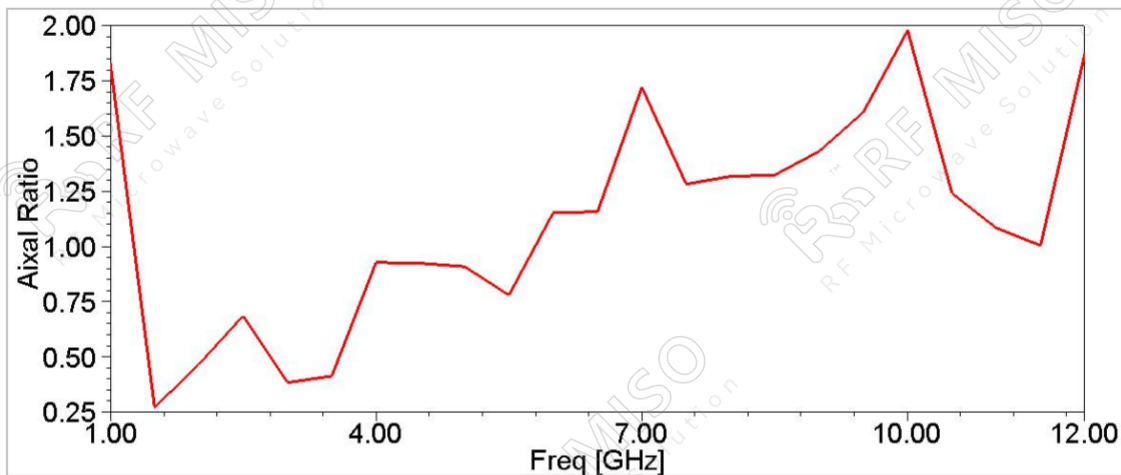


Log Spiral Antenna 3.6dBi Typ. Gain, 1-12 GHz Frequency Range

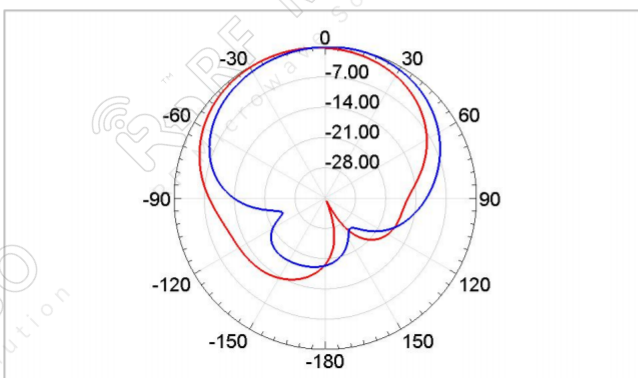
**Log Spiral Antenna Data Sheet**

**RM-LSA112-4**

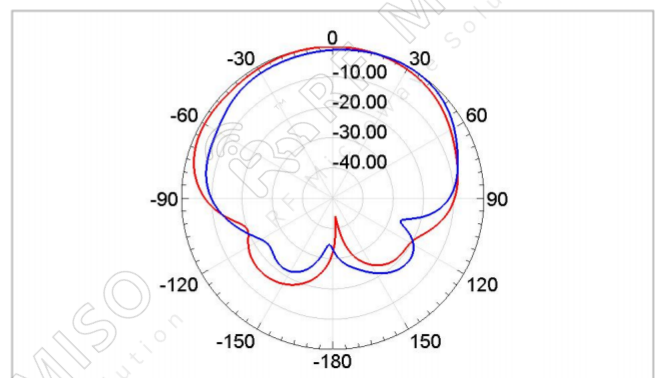
**Axial Ratio Value**



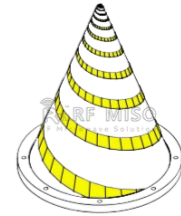
**Radiation Pattern**



**1GHz**



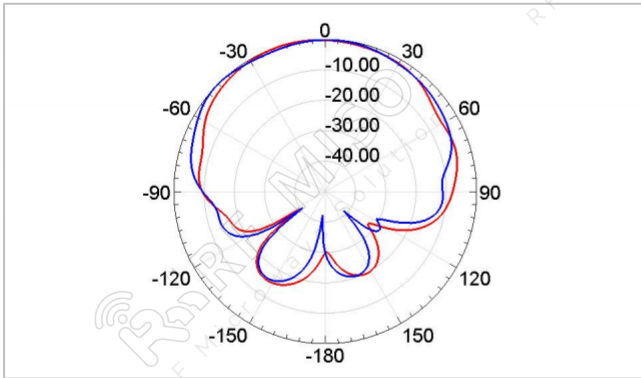
**2GHz**



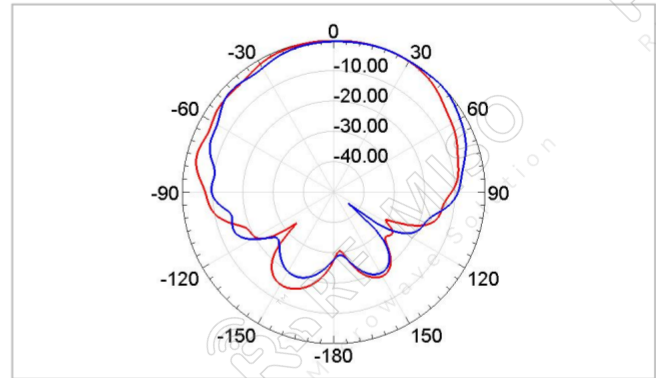
Log Spiral Antenna 3.6dBi Typ. Gain, 1-12 GHz  
Frequency Range

**Log Spiral Antenna Data Sheet**

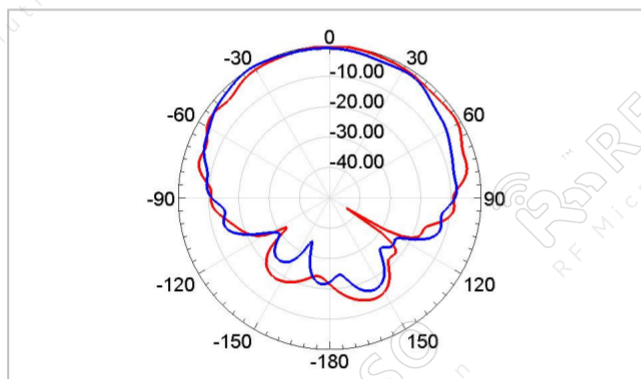
**RM-LSA112-4**



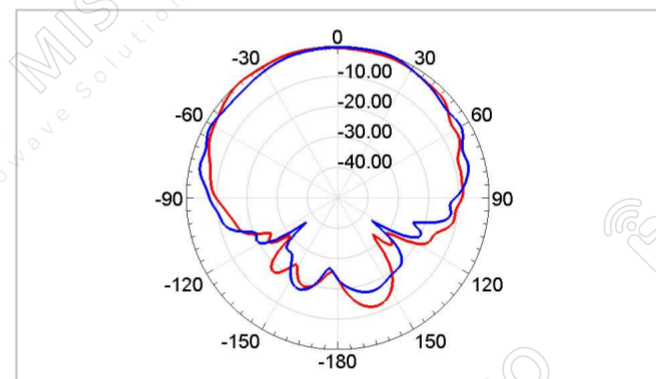
**3GHz**



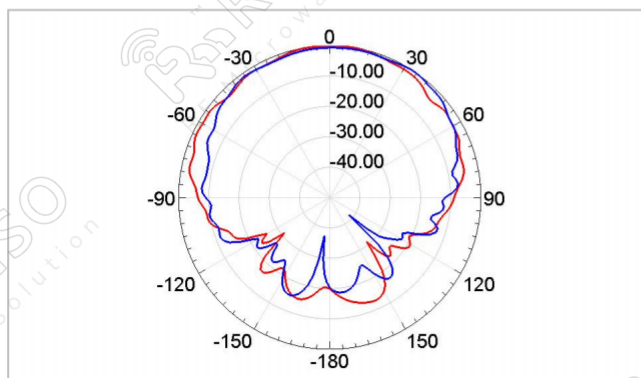
**4GHz**



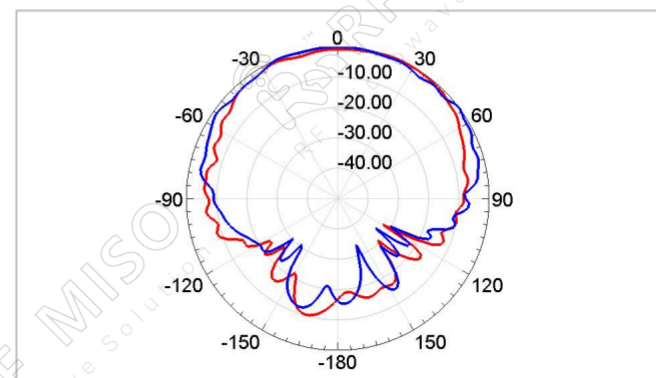
**5GHz**



**6GHz**



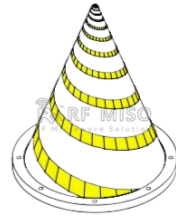
**7GHz**



**8GHz**

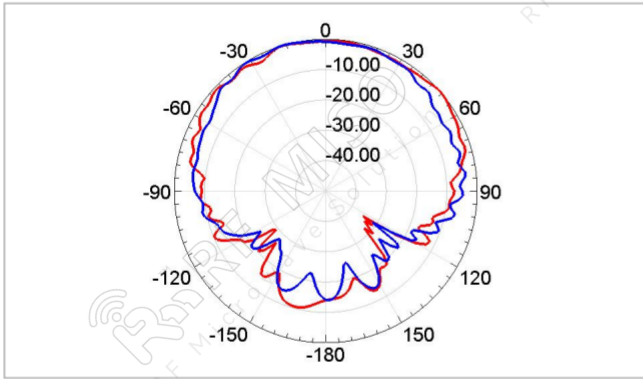


Log Spiral Antenna 3.6dBi Typ. Gain, 1-12 GHz  
Frequency Range

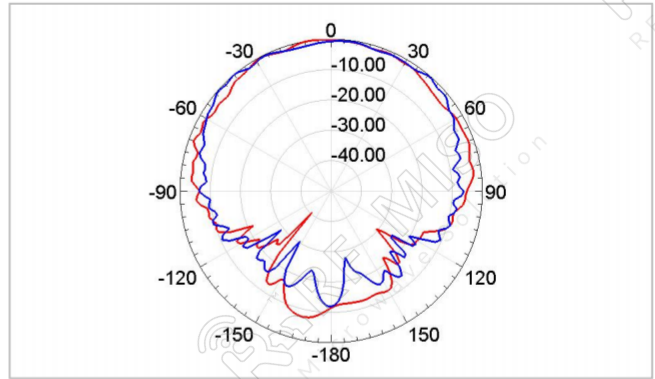


**Log Spiral Antenna Data Sheet**

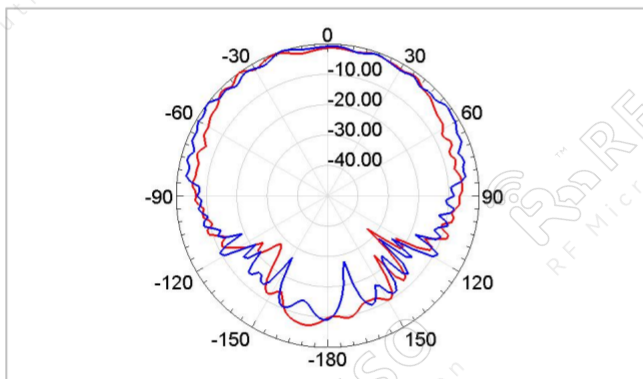
**RM-LSA112-4**



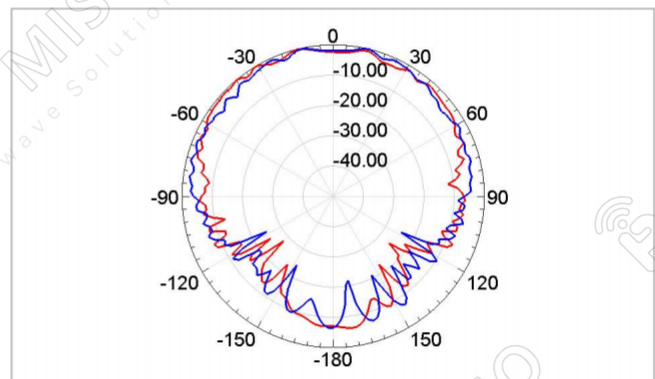
**9GHz**



**10GH**



**11GH**



**12GH**