

2.4G Small Suction - Cup Antenna

FEATURES



- Monopole Antenna, Ground (Cable) Plane dependent
- Small Suction design to meet the magnetic suction installation
- High gain, low loss cable
- High gain 0.6dBi



PRODUCTS

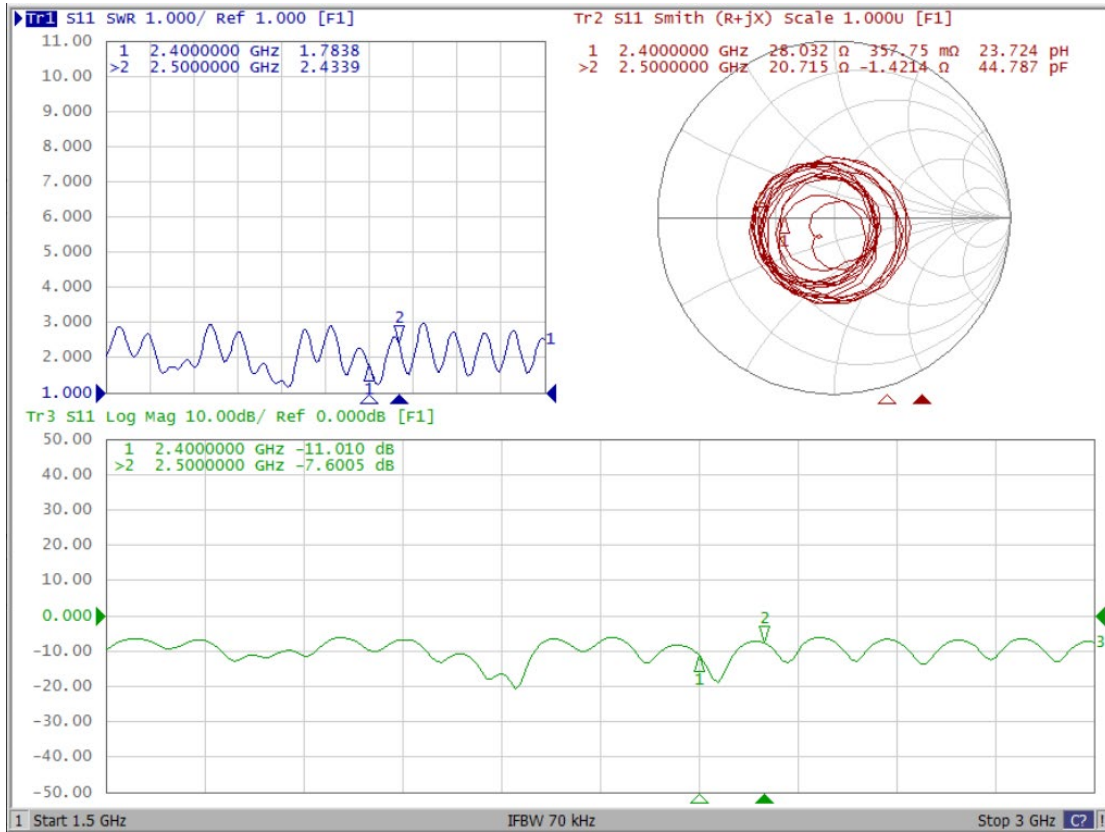
Model	Part No.	Weight	Dimensions	cable	installation	Connector	Color
AEWM014	M04-0104510R0A	28g	Φ 29.8*208mm	1500mm RG174	Magnetic suction	SMA Male	Black

SPECIFICATIONS

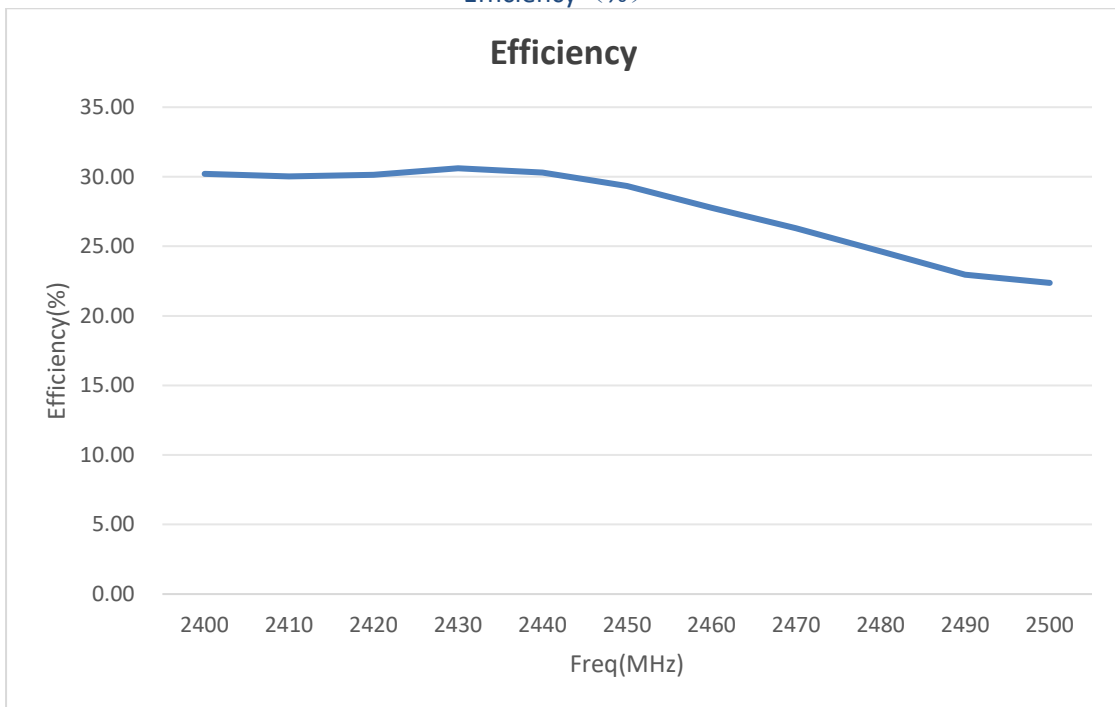
PARAMETER	SPECIFICATION
Frequency (MHz)	2400-2500
VSWR (Max)	3:1
Peak Gain, dBi (Typ)	Up to 0.6
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear
Radome	Black
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	RoHS Compliant

ELECTRICAL DATA

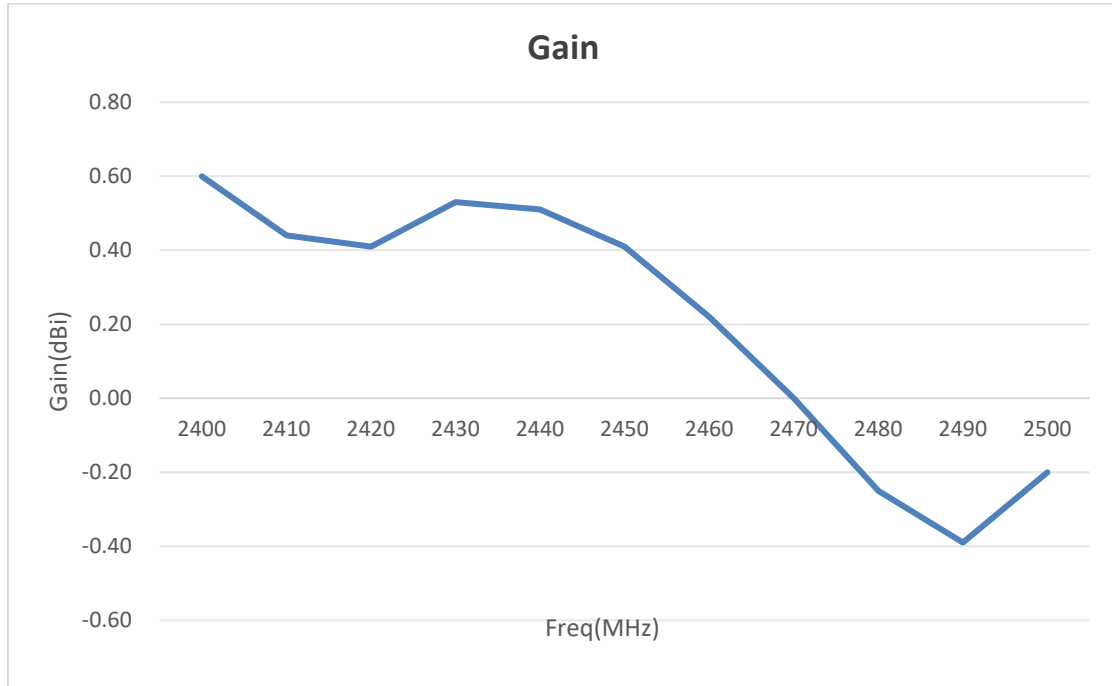
Return Loss



Efficiency (%)



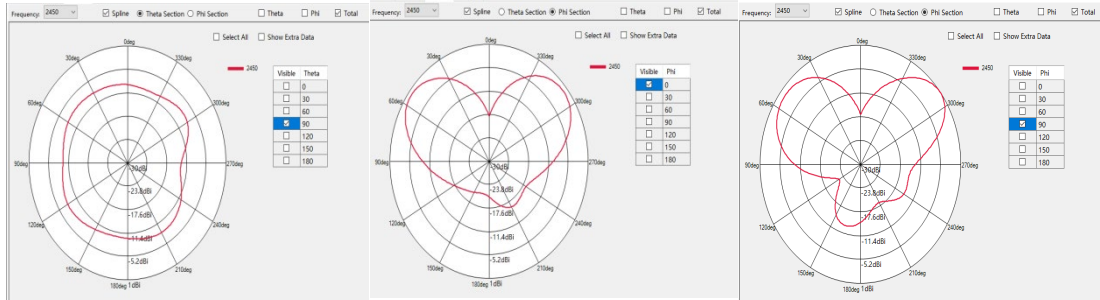
Peak Gain (dBi)



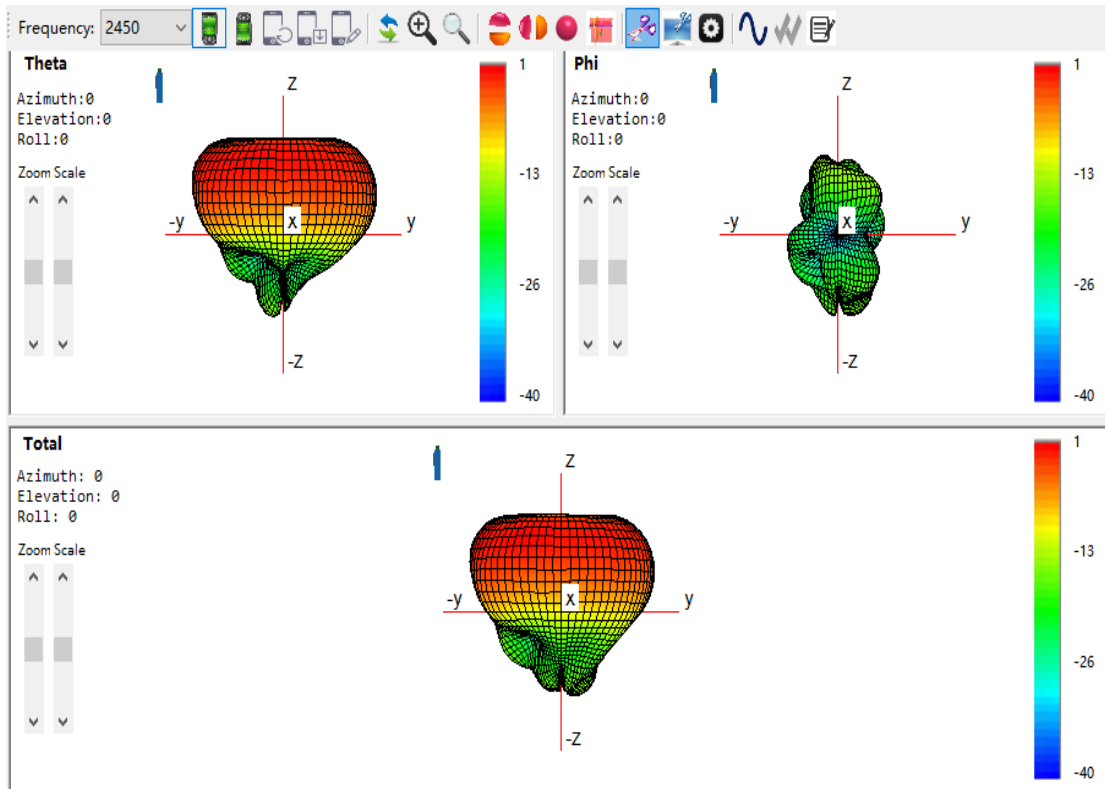
Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	0.60	30.22
2410	0.44	30.03
2420	0.41	30.13
2430	0.53	30.61
2440	0.51	30.30
2450	0.41	29.33
2460	0.22	27.78
2470	0.00	26.30
2480	-0.25	24.65
2490	-0.39	22.96
2500	-0.20	22.37

RADIATION PATTERNS

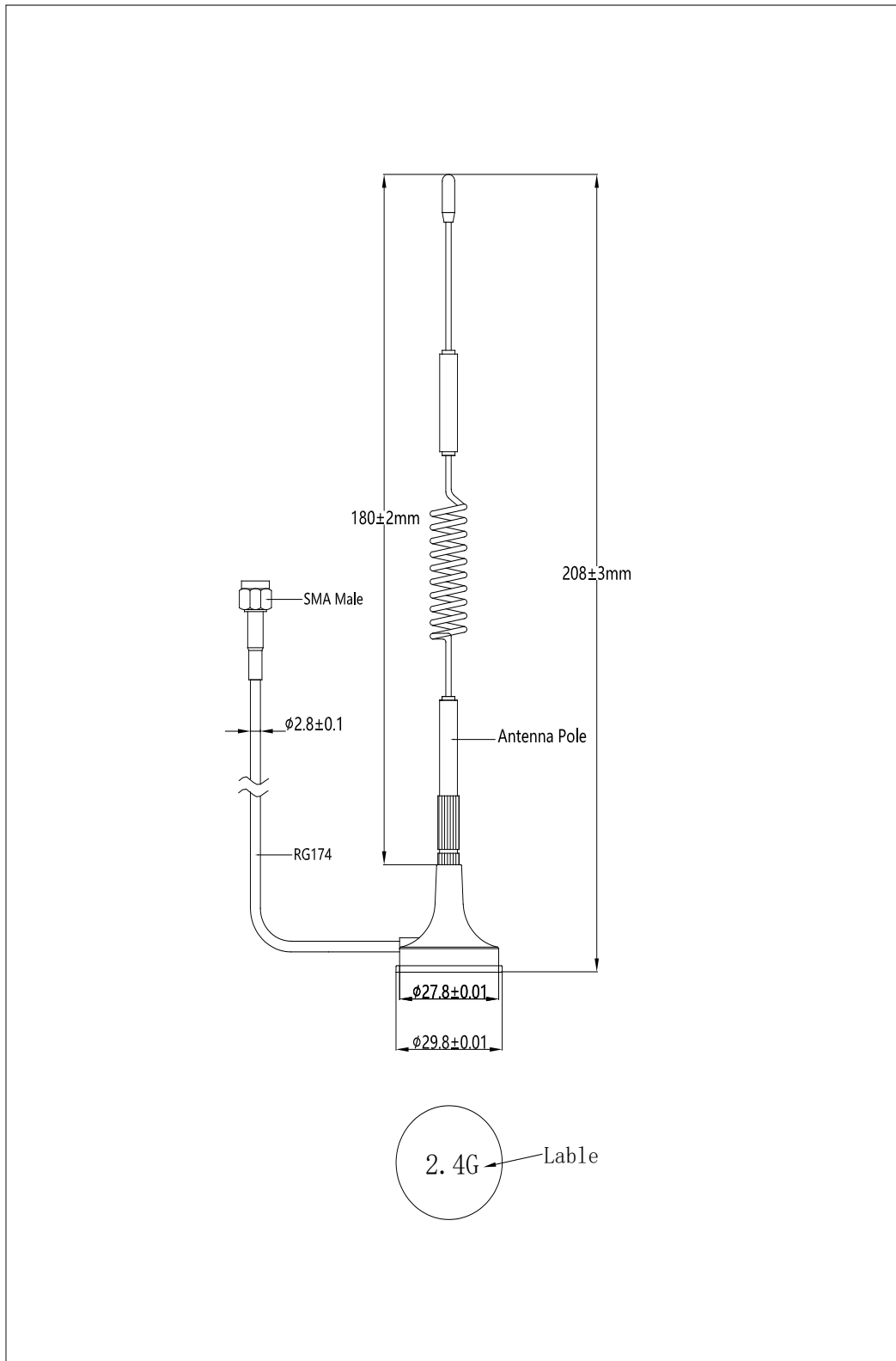
2D Radiation Pattern at 2450MHz



3D Radiation Pattern at 2400MHz



HOUSING CONFIGURATIONS



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