



SWE012

PN: SW19042EB78

Features

- Antenna for 2400~2500MHz.
- High gain.
- Impedance 50 Ohm.

Applications:

- Antenna for 2.4G WiFi applications.

1. Electrical Specification

Standards	WiFi & BT
Frequency range (MHz)	2400~2500
Peak Gain (dBi)	1.0~2.0
Average Gain (dB)	-5.8~-4.7
VSWR	< 5.0
Return Loss	< -3.6
Efficiency (%)	26~33%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specification

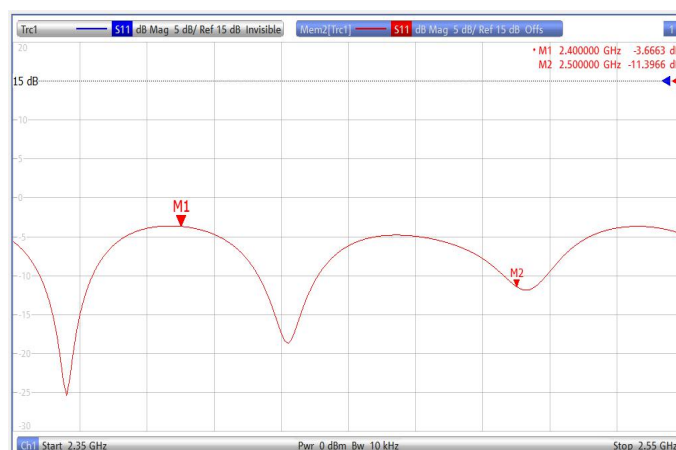
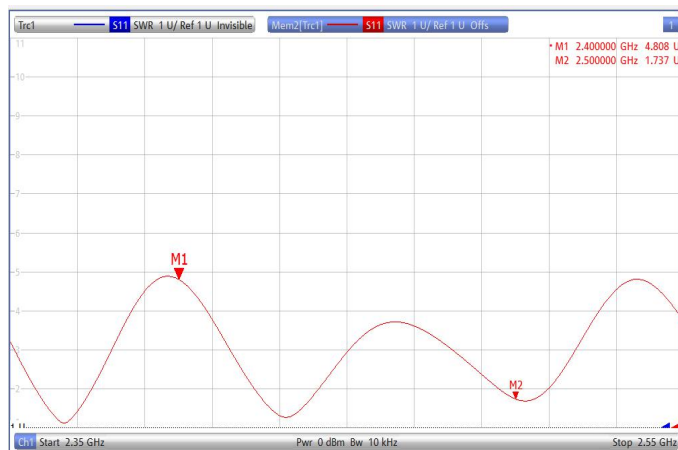
Mounting Type	Connector Mount
Connector Type	SMA (1M)
Antenna size(mm)	223X ϕ 30
Material	ABS+PC
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

3. Antenna parameters

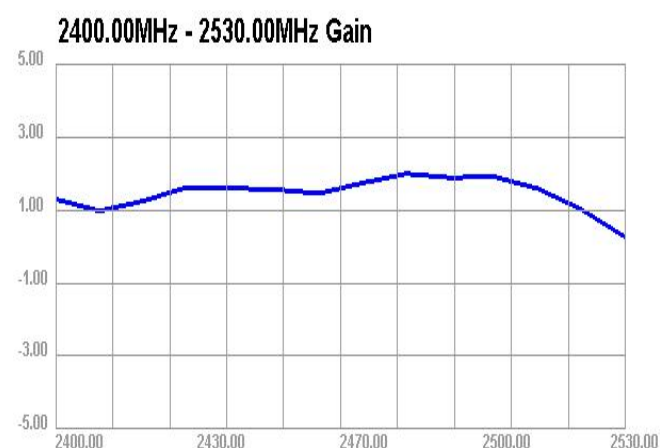
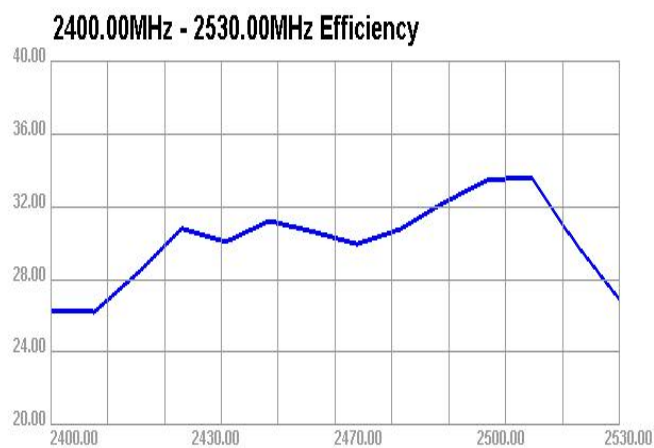
3.1 General Specification

FRE (MHz)	2400	2500
VSWR	4.80	1.73
Return Loss	-3.66	-11.39
Eff (%)	26.2	33.4
PEAK Gain (dBi)	1.30	1.91

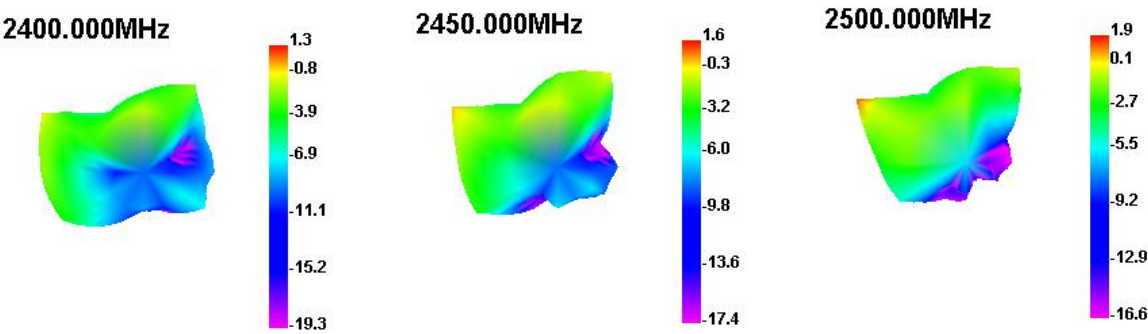
3.2 VSWR and Return Loss



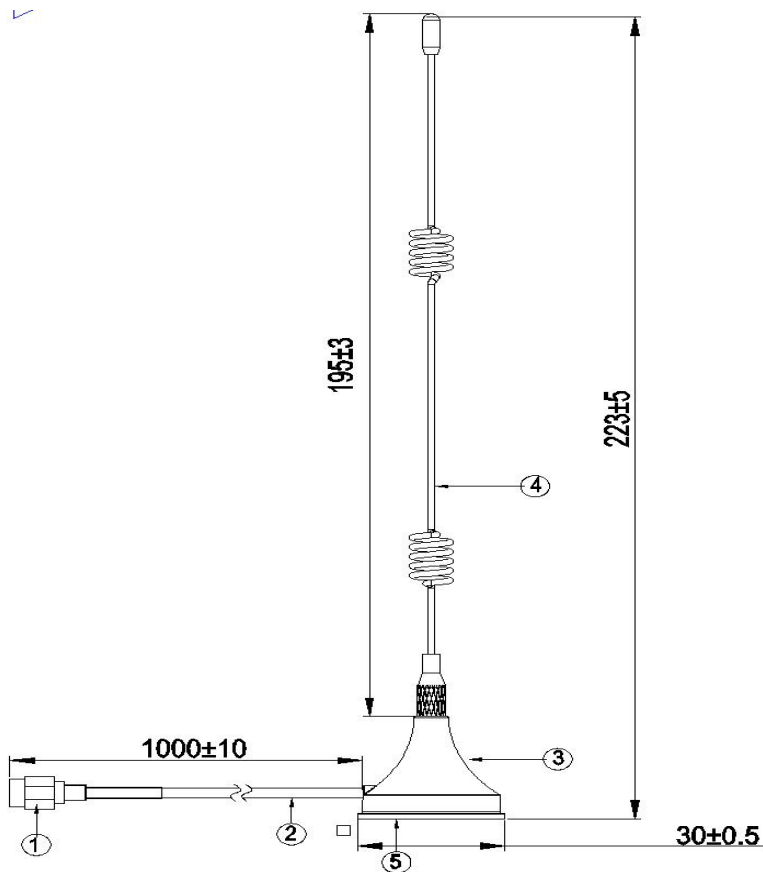
3.3 Efficiency and Gain



3.4 Directional Pattern



4. Antenna Drawing



5	Stickers	PC	black	1
4	A spring bar	Steel wire electrophoresis	black	1
3	base	φ30.0mm	black	1
2	RG174cable	RG174 cable. 2150mm	black	1
1	SMA	SMA-J	gold	1
Series	Component name	Specfication	Color	Quantity