



SWE008

PN: SW19038EB56

Features

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

Applications:

- Antenna for 2.4G WiFi applications.

1. Electrical Specification

Standards	WiFi 2.4GHz&BT
Frequency range (MHz)	2400~2500
Peak Gain (dBi)	3.0~4.5
Average Gain (dB)	-3.0~-2.0
VSWR	<2.0
Return Loss	<-9.5
Efficiency (%)	50~63%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	5

2. Mechanical and Environmental Specification

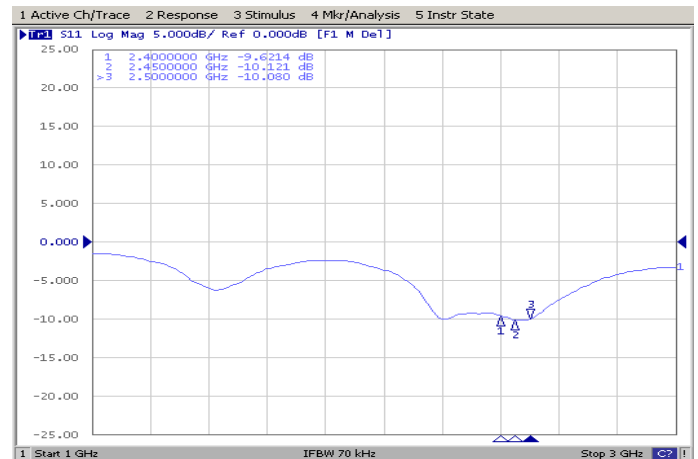
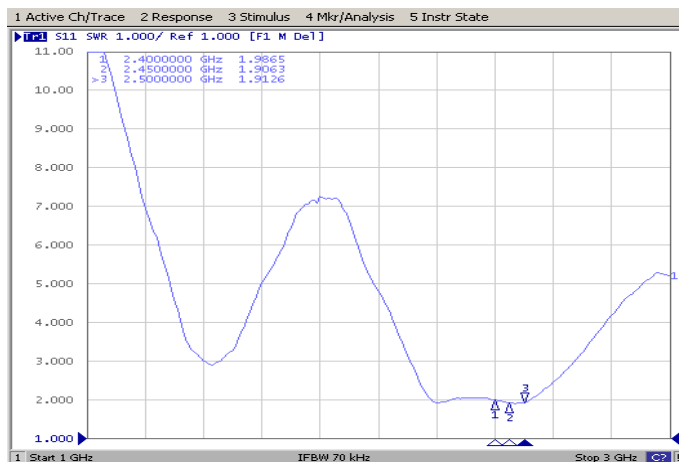
Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	109mm* ϕ 10mm
Material	ABS
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

3. Antenna parameters

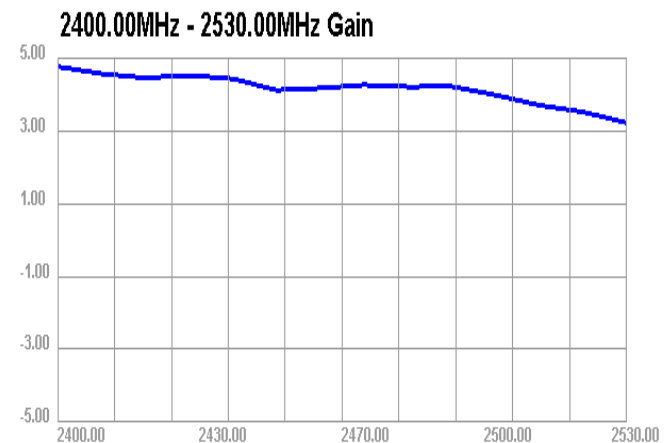
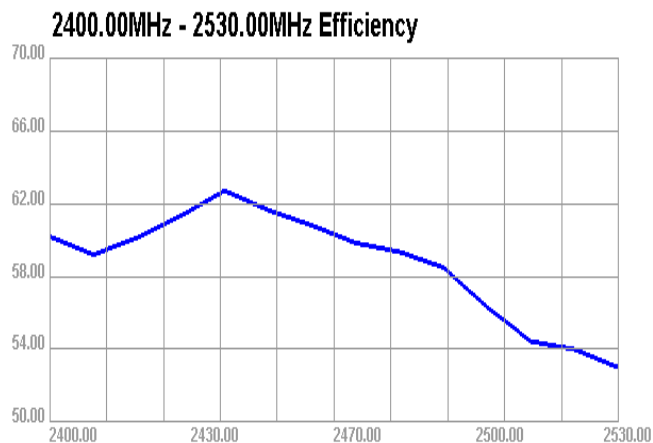
3.1 General Specification

FRE (MHz)	2400	2450	2500
VSWR	1.98	1.90	1.91
Return Loss	-9.62	-10.12	-10.08
Eff (%)	60.2	61.6	56.3
Average Gain(dB)	-2.2	-2.1	-2.4

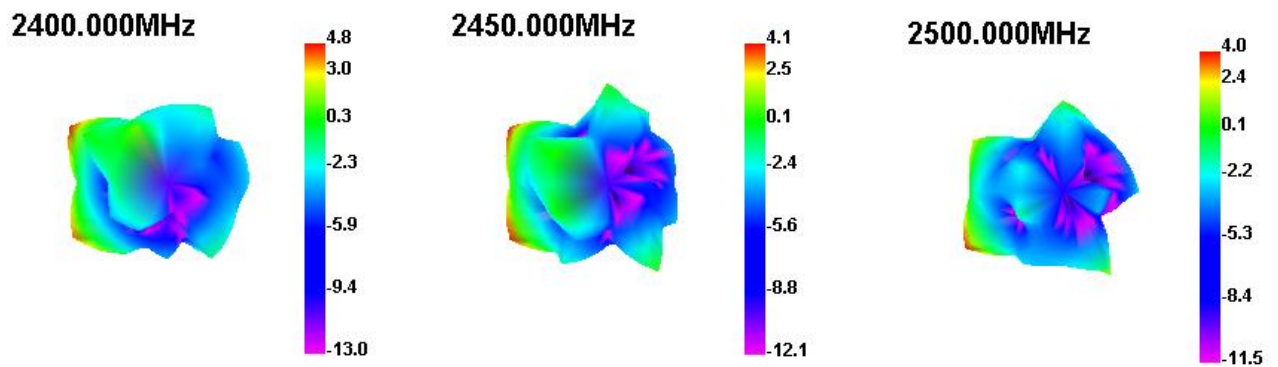
3.2 VSWR and Return Loss



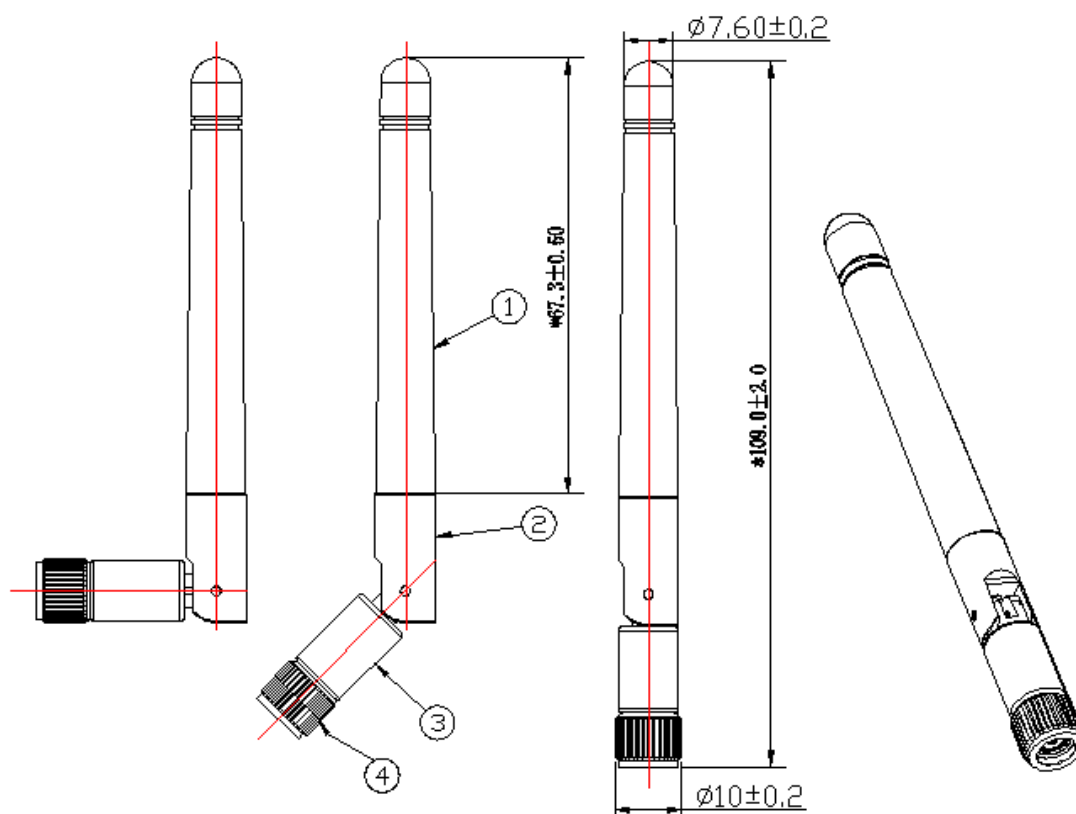
3.3 Efficiency and Gain



3.3 Directional Pattern



4. Antenna Drawing



4	SMA	SMA-J	black	1
3	Lower Firmware	ABS	black	1
2	Upper firmware	ABS	black	1
1	noumenon	ABS	black	1
Series	Component name	Specification	Color	Quantity