



SWE020

PN: SW19050EB56

Features

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

Applications:

- Antenna for 2.4G WiFi applications.

1. Electrical Specifications

Standards	WiFi/BT
Frequency range (MHz)	2400~2500
Peak Gain (dBi)	1.7~3.7
Average Gain (dB)	-2.4~-4.1
VSWR	<1.6
Return Loss	<-13.0
Efficiency (%)	39~57%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specification

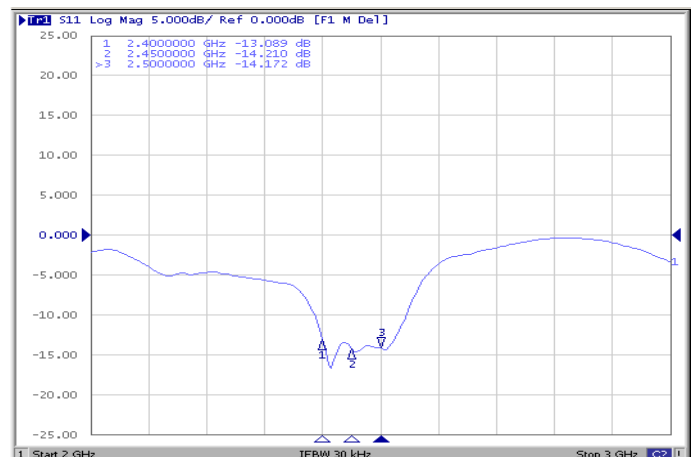
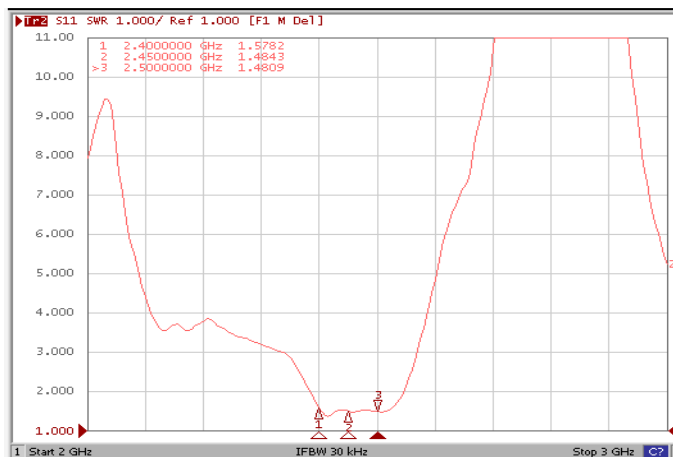
Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	47.3mm* ϕ 8.5mm
Material	ABS
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

3. Antenna parameters

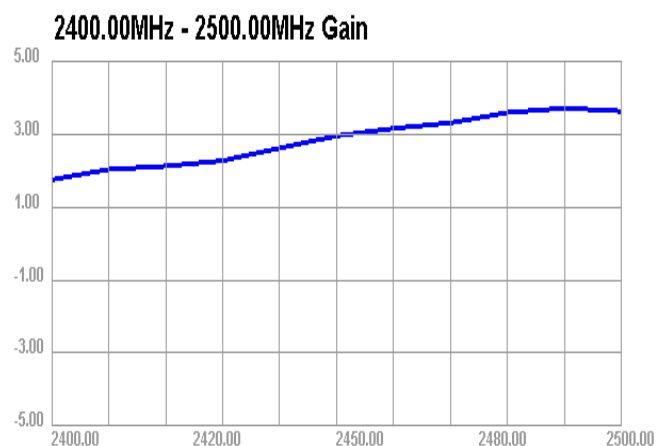
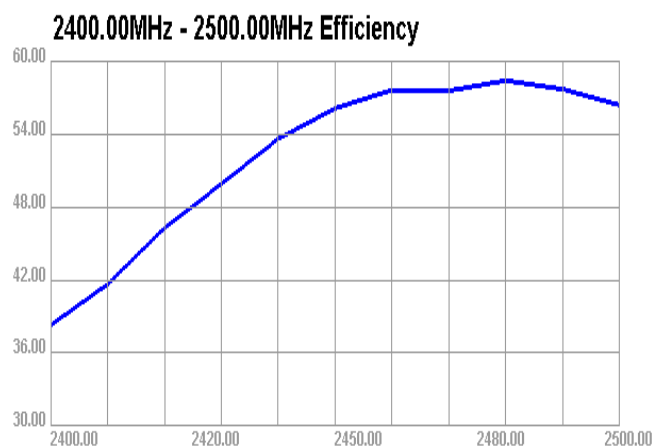
3.1 General Specification

FRE (MHz)	2400	2450	2500
VSWR	1.57	1.48	1.48
Return Loss	-13.08	-14.21	-14.17
Eff (%)	38.29	56.12	56.39
Average Gain(dB)	-4.17	-2.51	-2.49

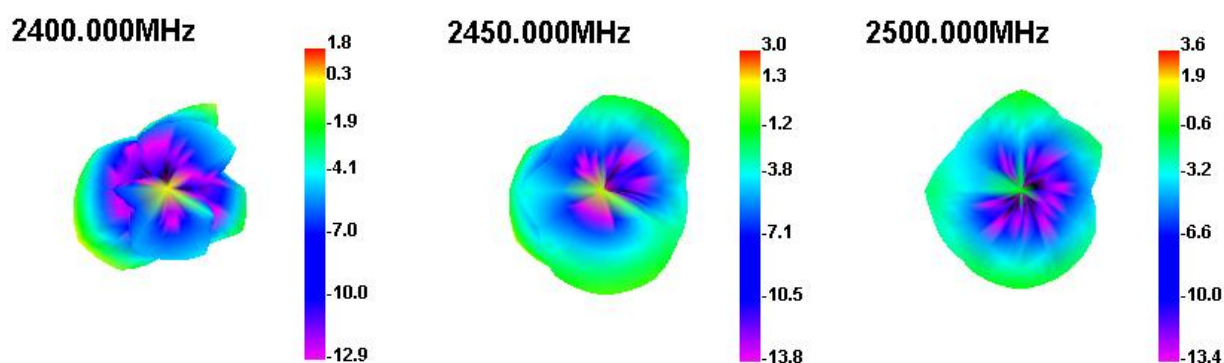
3.2 VSWR and Return Loss



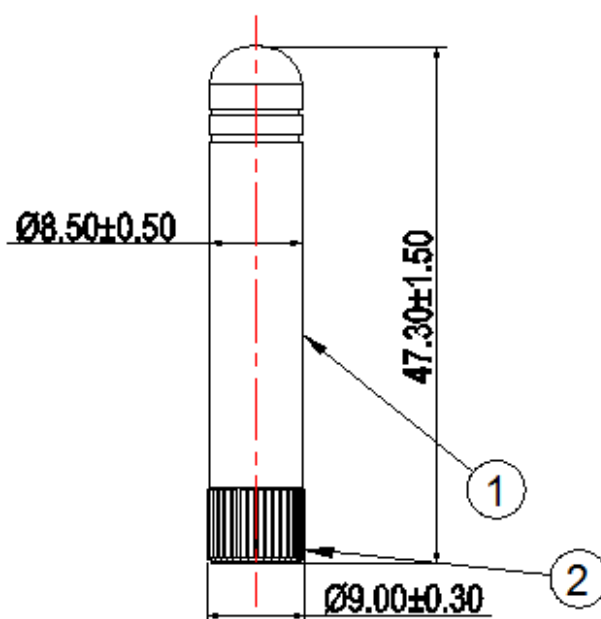
3.3 Efficiency and Gain



3.4 Directional Pattern



4. Antenna Drawing



2	SMA	SMA-J	white	1
1	noumenon	ABS	black	1
Series	Component name	Specification	Color	Quantity