SWE087

PN: SW26040EB56



Key features:

- Frequency for 2400~2500MHz
- Small size
- Ground Plane Dependent
- Impedance 50 Ohm

Typical applications:

- Remote monitoring
- Network Devices
- Gateway
- Router/CPE
- Others

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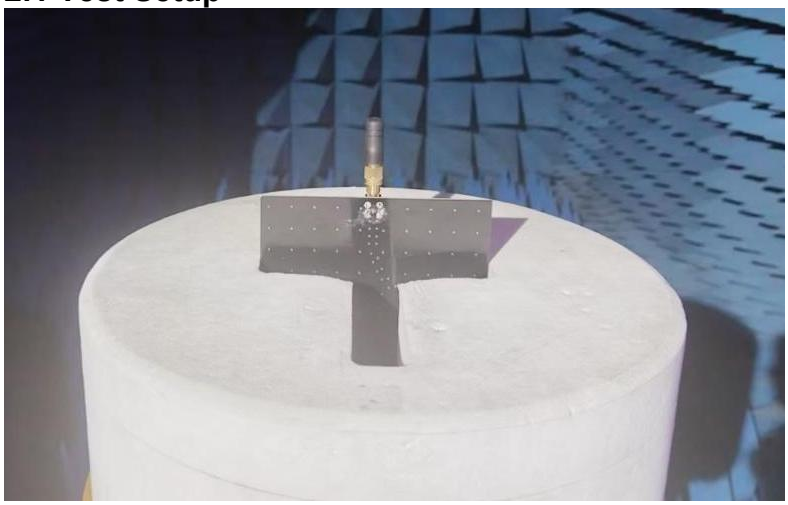
1. Specification

Electrical：Test on 90*50mm ground plate	
Standards	2.4G WiFi
Frequency range (MHz)	2400 ~ 2500
Peak Gain (dBi)	2.1 ~ 3.0
Average Gain (dB)	-1.6 ~ -1.2
VSWR	≤2.0
Return Loss	≤-10.0
Efficiency (%)	70.0 ~ 75.0
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

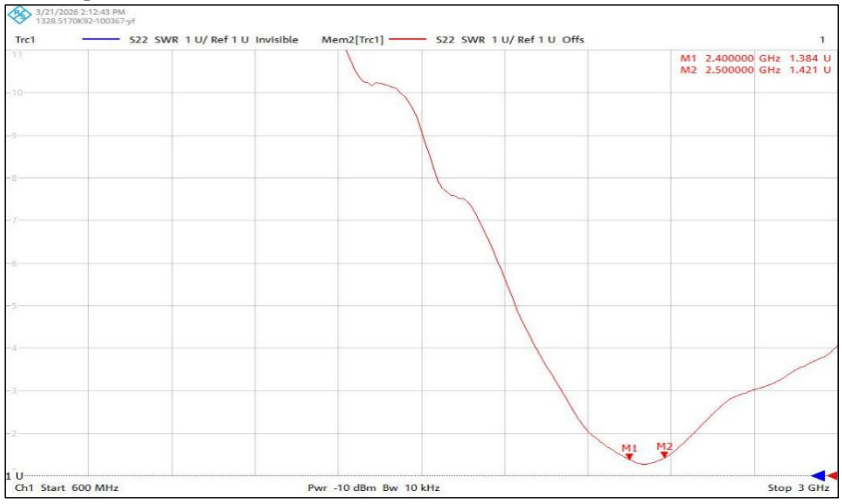
Mechanical	
Mounting Type	Connector Mount
Connector Type	SMA-M
Antenna size(mm)	Φ8*28.5mm
Material	ABS
Weight	4.1g
Environmental	
Operating Temperature (˚C)	- 20 ˚C ~ + 65 ˚C
Storage Temperature(˚C)	-20˚C ~ + 65 ˚C

2. Antenna Characteristics

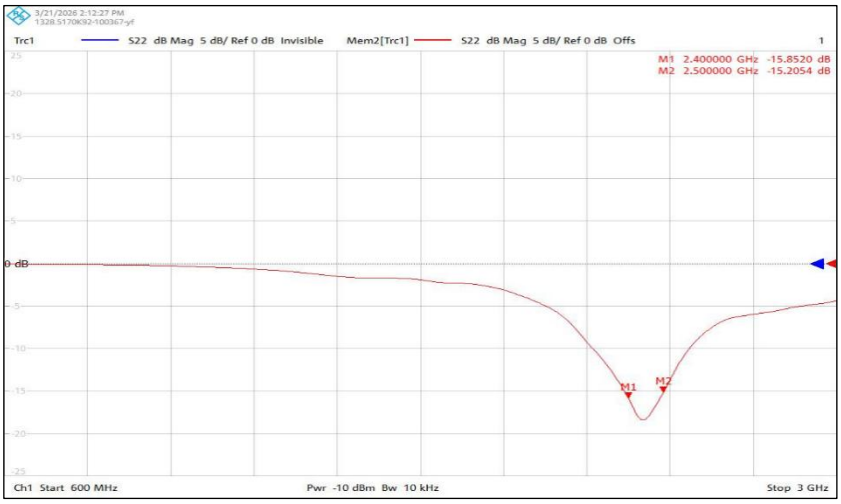
2.1 Test Setup



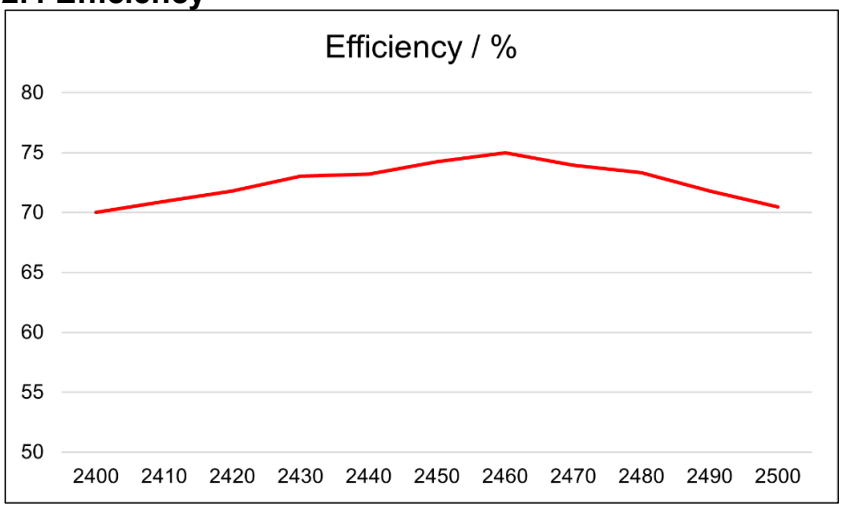
2.2 VSWR



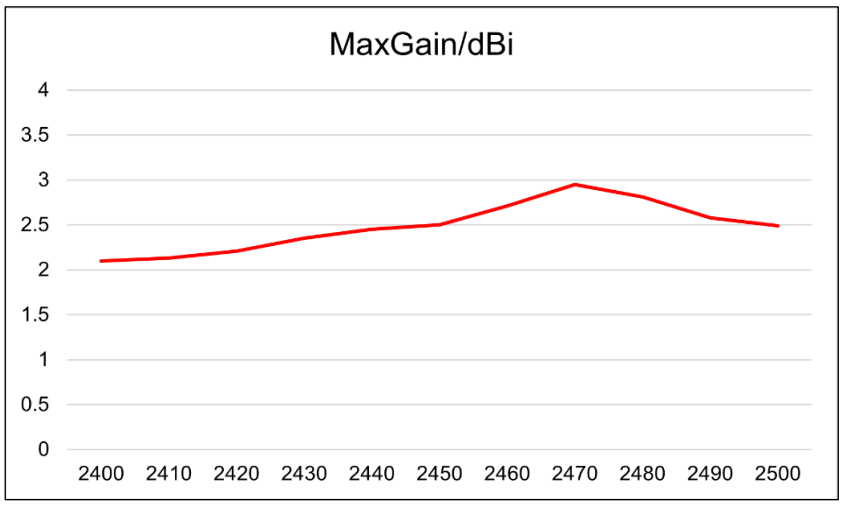
2.3 Return Loss



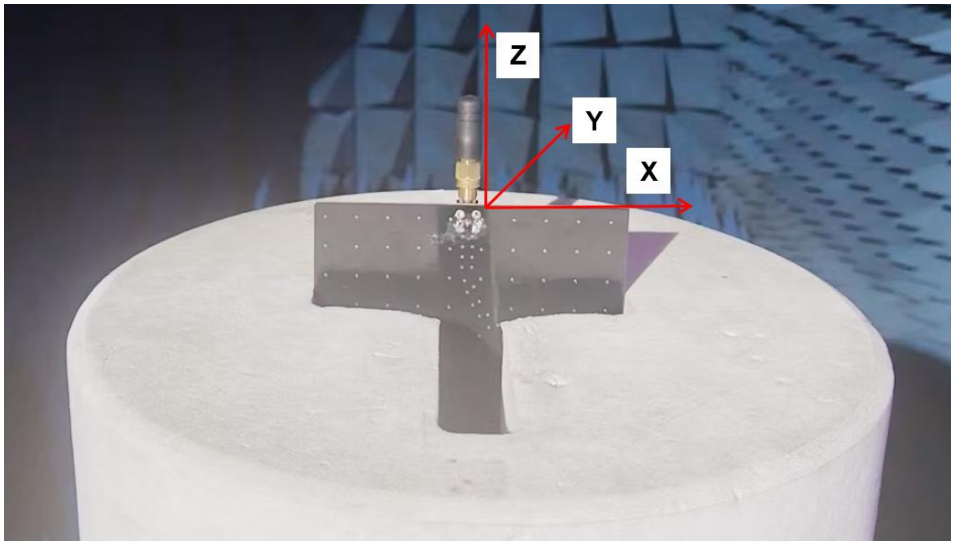
2.4 Efficiency

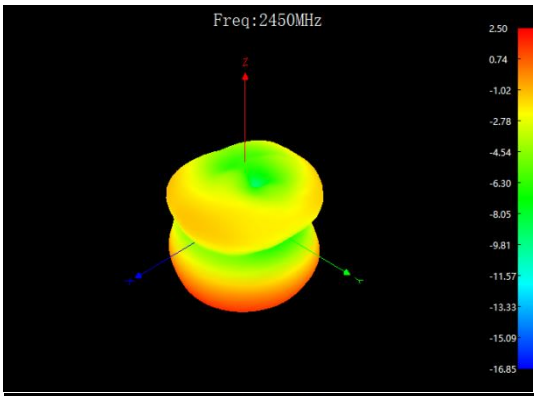


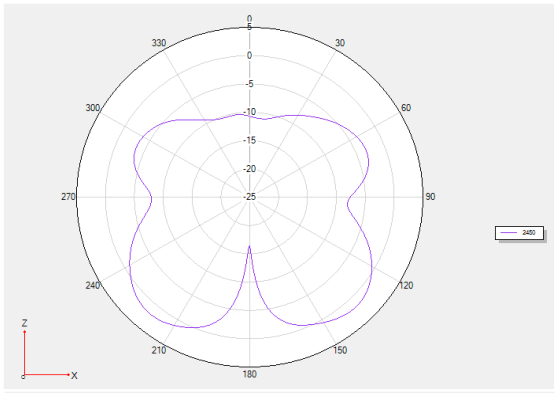
2.5 Gain

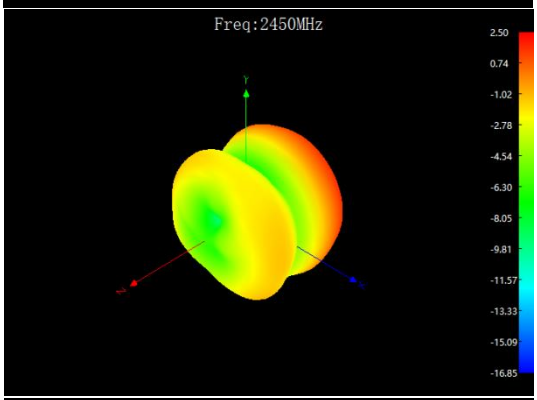


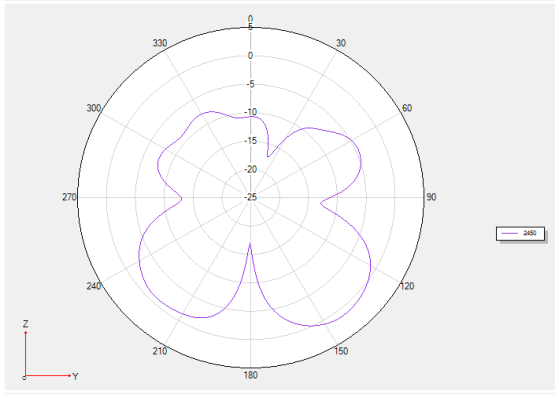
3. Radiation Patterns

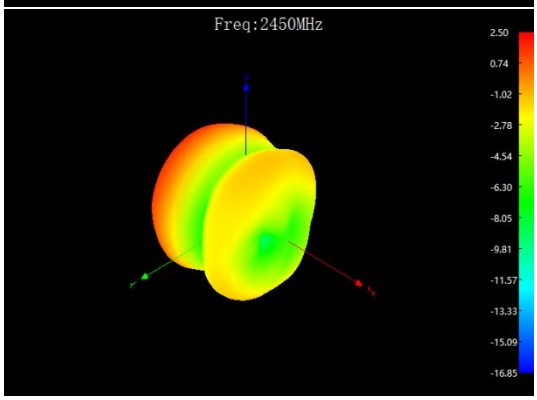


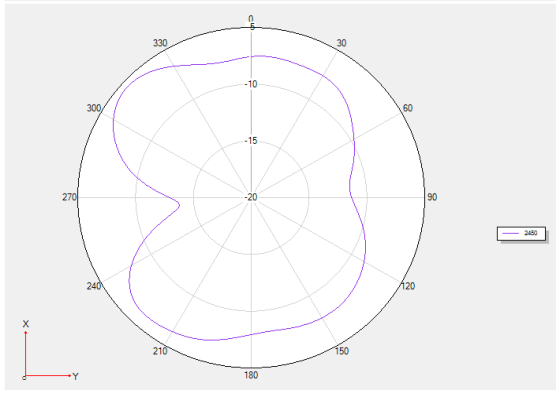






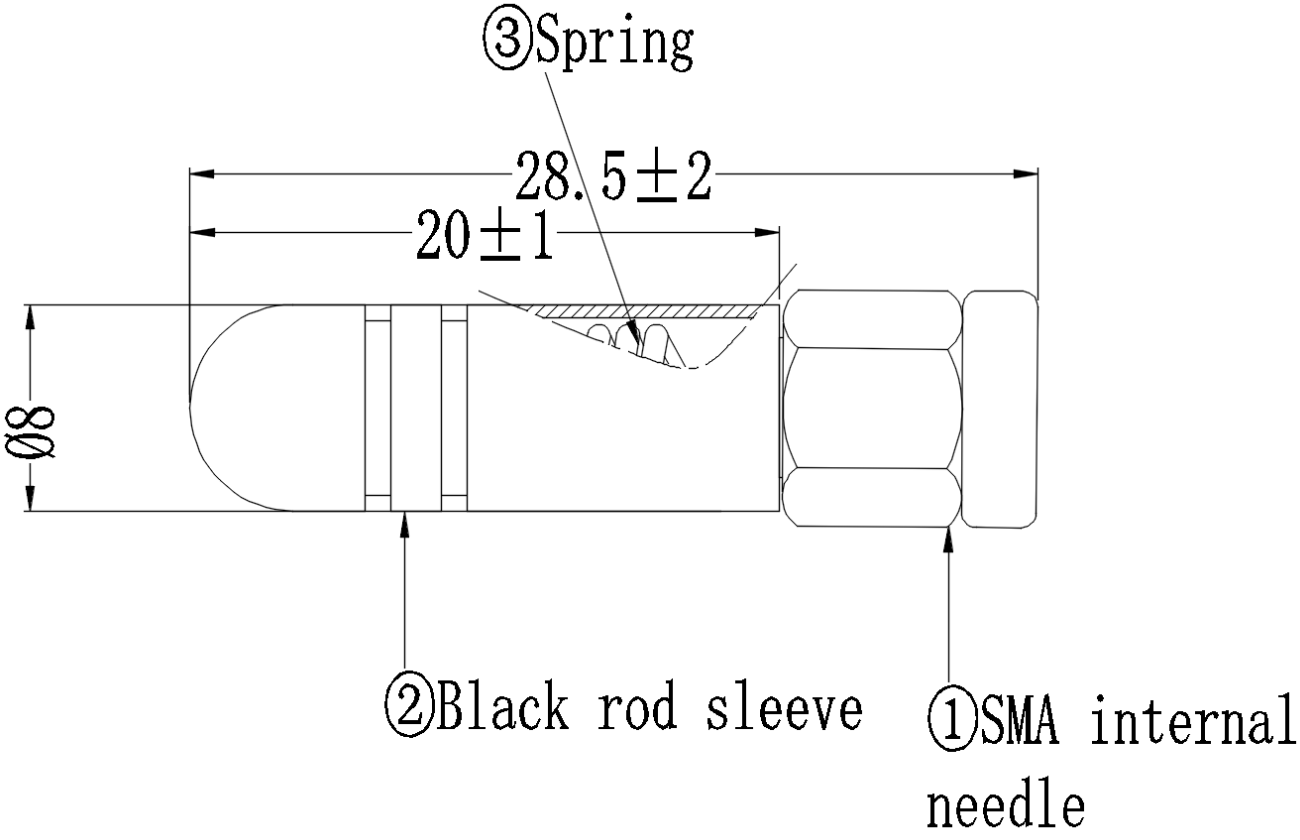






4. Antenna Drawing

Unit: mm



Changelog for the datasheet			
Revision	Date	Author:	Notes:
V0	2026-04-17	Kevin LV	Initial Datasheet Release