

SWE071

PN: SW24167EB56

Key features:

- Frequency bands from 698~960MHz,1710~2690MHz
- Small size
- Connector Mount
- High Performance
- Ground Plane Dependent
- Impedance 50 Ohm

Typical applications:

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



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1. Specifications

Electrical: Test on GND of 55 * 80mm			
Standards	4G&3G&2G		
Frequency range (MHz)	698 ~ 960	1710 ~ 2170	2300 ~ 2690
Peak Gain (dBi)	-0.4 ~ 2.0	2.8 ~ 5.0	1.3 ~ 4.6
Average Gain (dB)	-5.1 ~ -2.6	-3.5 ~ -1.6	-3.5 ~ -2.0
VSWR	< 4.0	< 3.5	< 3.0
Return Loss	< -5.0	< -5.0	< -5.0
Efficiency (%)	31.0 ~ 55.0	45.0 ~ 70.0	45.0 ~ 63.0
Polarization mode	Linear		
Radiation pattern	Omni-Directional		
Output impedance (Ω)	50		
Max. Input Power(W)	5		

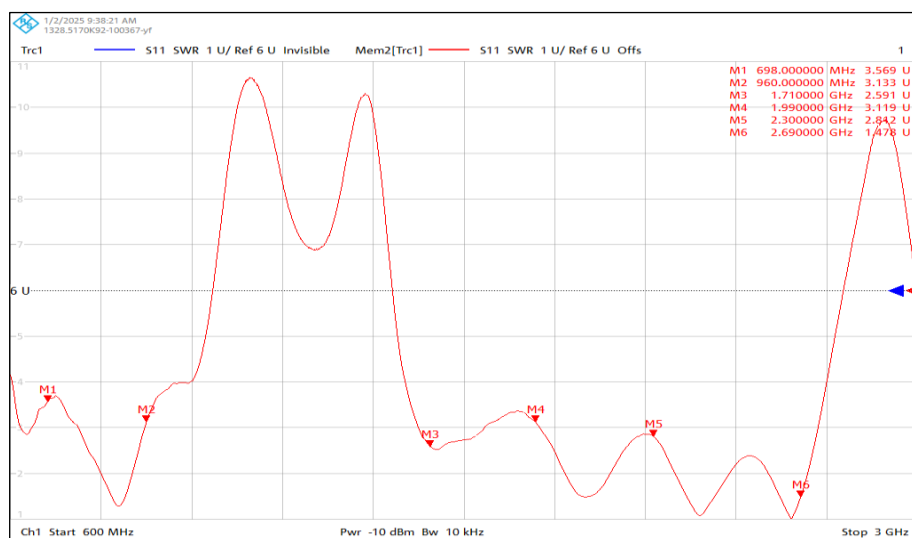
Mechanical	
Mounting Type	Connector Mount
Connector Type	SMA-Male
Antenna size(mm)	109 X ϕ 10
Material	ABS
Environmental	
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

2. Antenna Characteristics

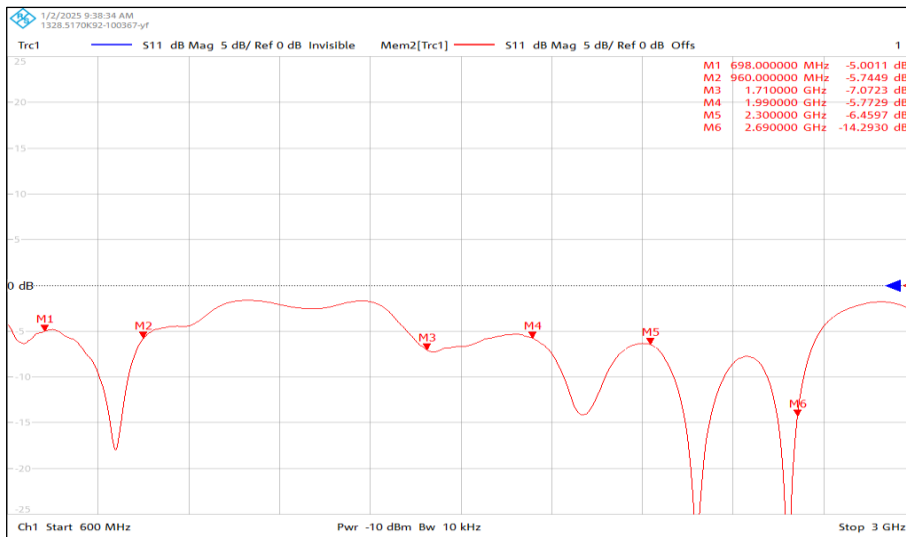
2.1 Test Setup



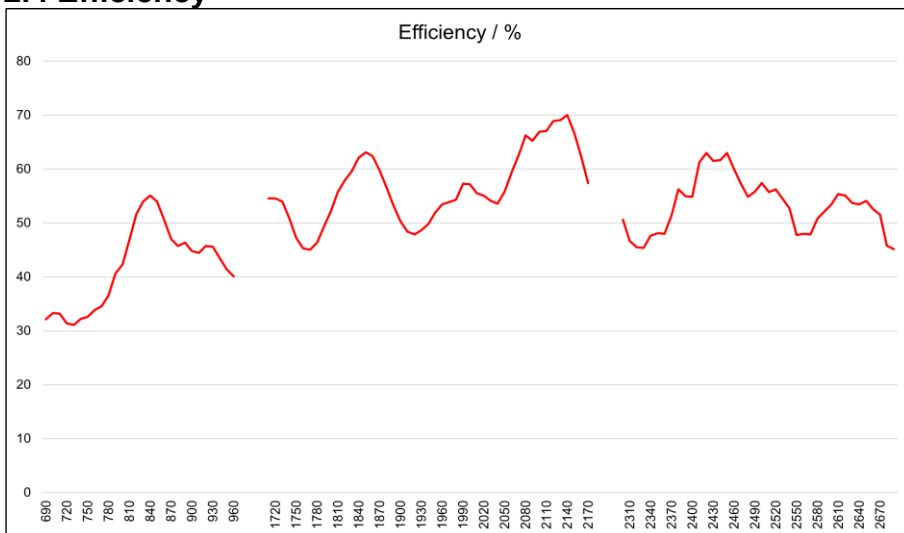
2.2 VSWR



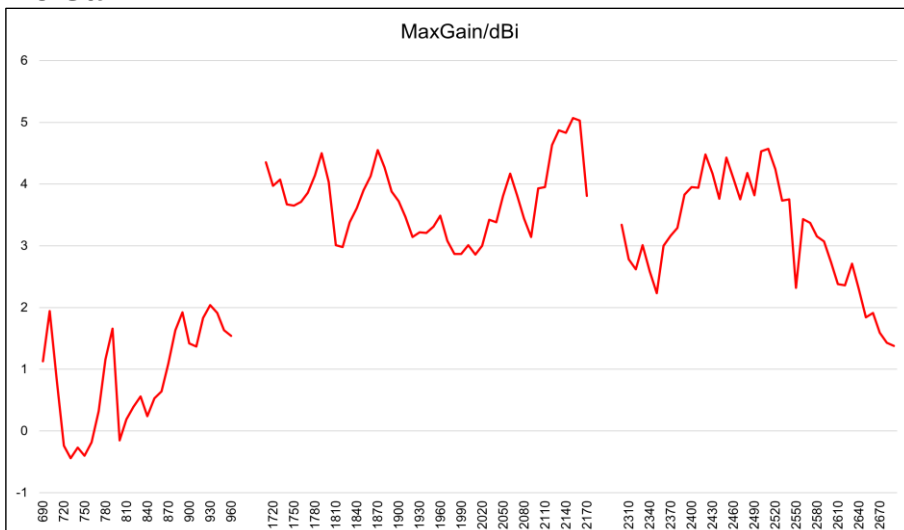
2.3 Return Loss



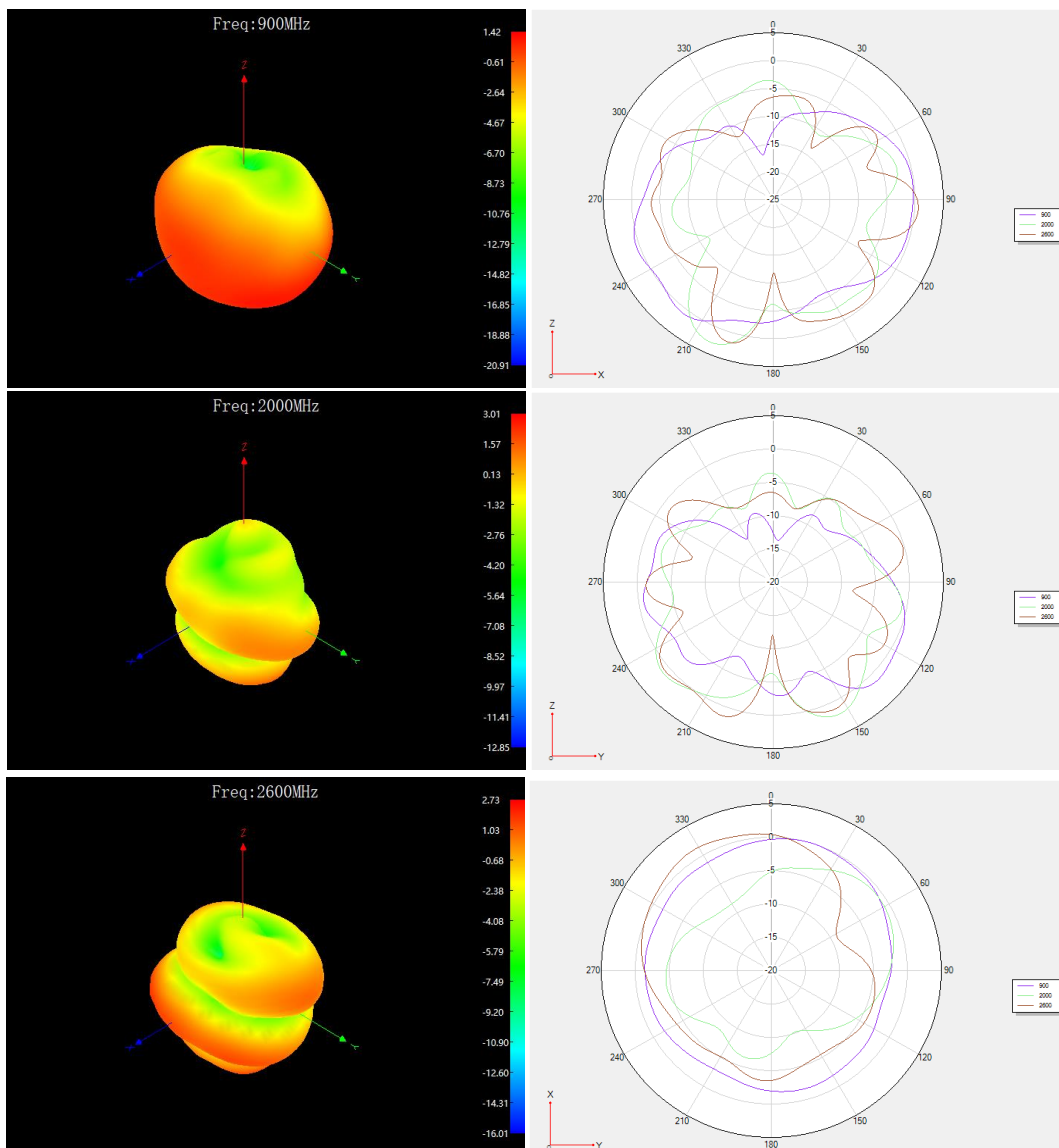
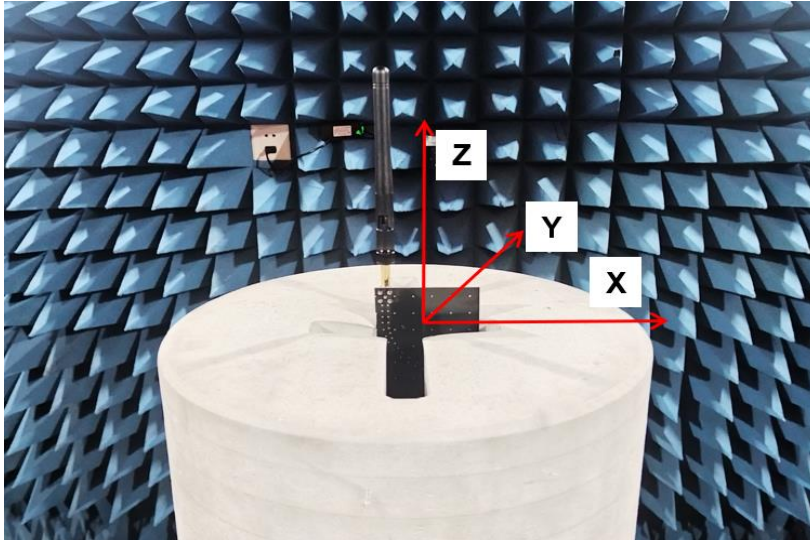
2.4 Efficiency



2.5 Gain

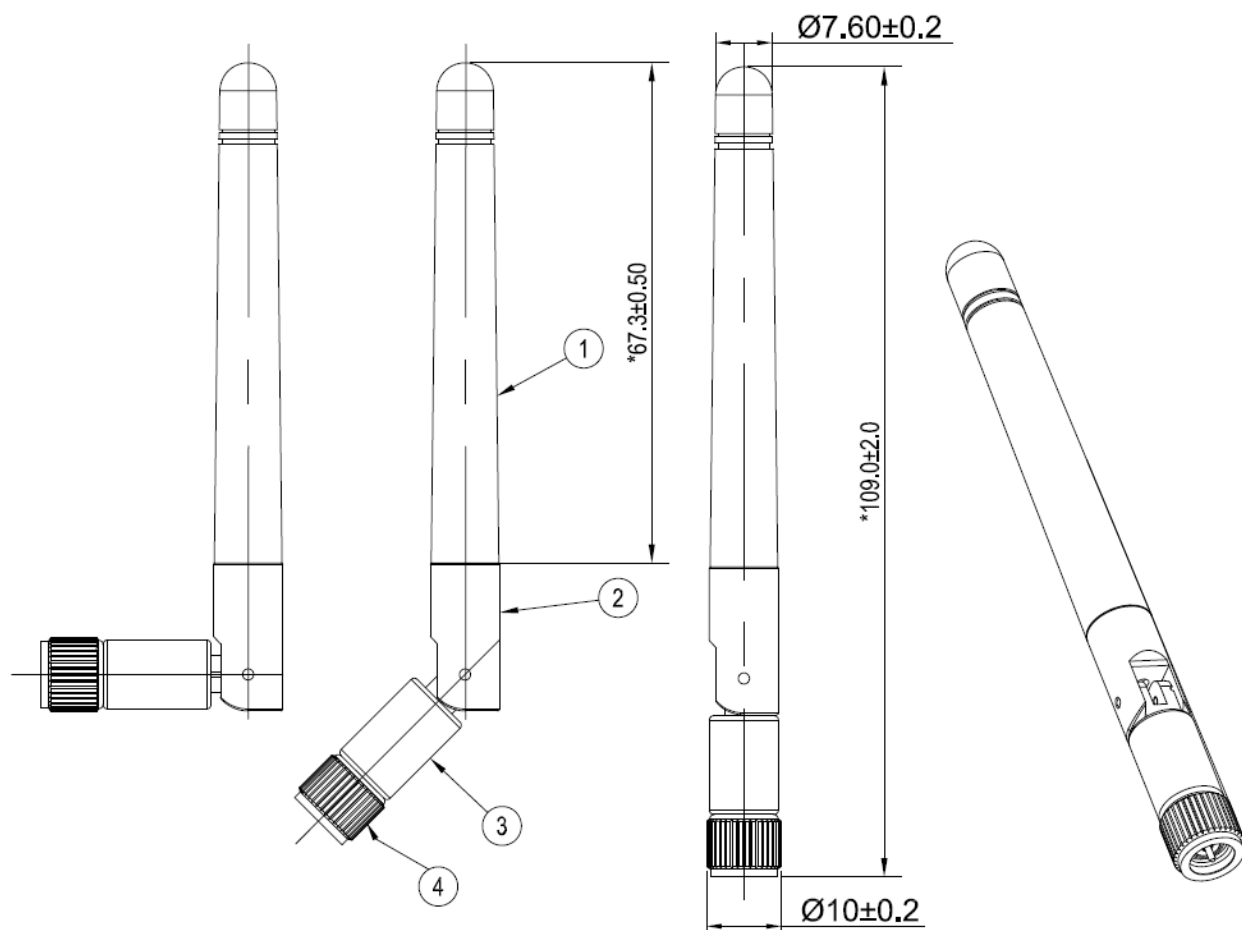


3. Radiation Patterns



4. Antenna Drawings

(Unit:mm)



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

Changelog for the datasheet	
SWE071	
Revision: V0(First Release)	
Date:	2025-1-3
Notes:	Initial Datasheet Release
Author:	Kevin