



SWE070

PN: SW24134EB78

Key features:

- Frequency bands from 820~960MHz,1700~2700MHz
- 4G/3G/2G Wide band Antenna
- High Performance
- Impedance 50 Ohm

Typical applications:

- Gateways
- Routers
- Smart Home
- Others

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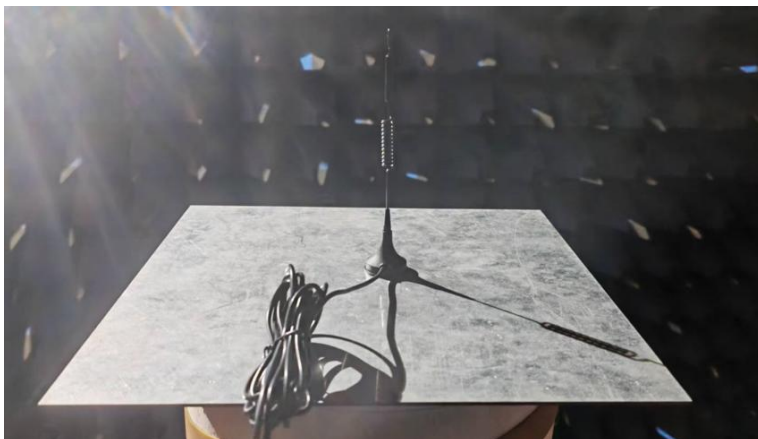
1. Specifications

Electrical		
Standards	4G&3G&2G	
Frequency range (MHz)	820~960	1700~2700
Peak Gain (dBi)	-1.7 ~ 2.5	-3.5 ~ 0.5
Average Gain (dB)	-6.7 ~ -5.0	-10.0 ~ -7.4
VSWR	< 2.0	< 2.0
Return Loss	< -10.0	< -10.0
Efficiency (%)	21 ~ 32	10 ~ 18
Polarization mode	Linear	
Radiation pattern	Omni-Directional	
Output impedance (Ω)	50	
Max. Input Power(W)	5	

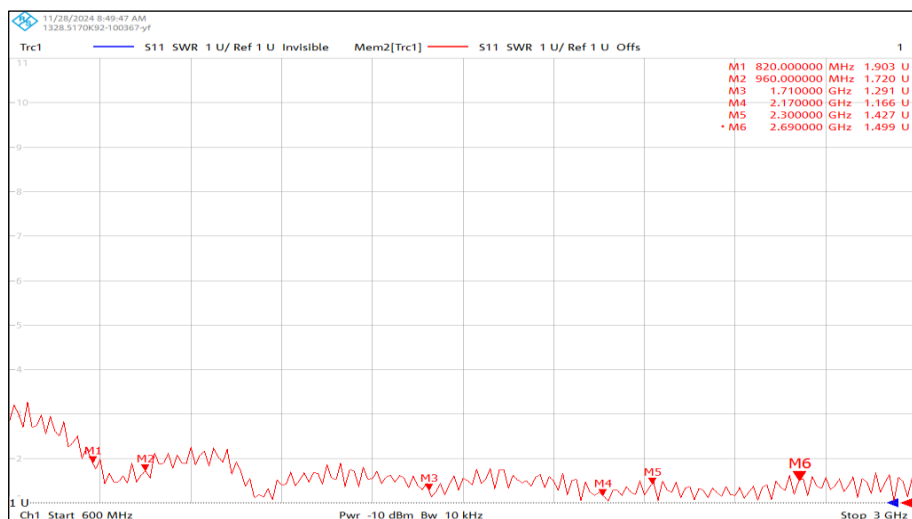
Mechanical	
Mounting Type	Connector Mount
Connector Type	SMA(M)
Antenna size(mm)	155*30mm
Cable length(mm)	3M
Material	ABS+PC+ Spring Steel
Environmental	
Operating Temperature (°C)	- 20 °C ~ + 65 °C
Storage Temperature(°C)	- 20 °C ~ + 65 °C
Weight(g)	50

2. Antenna Characteristics

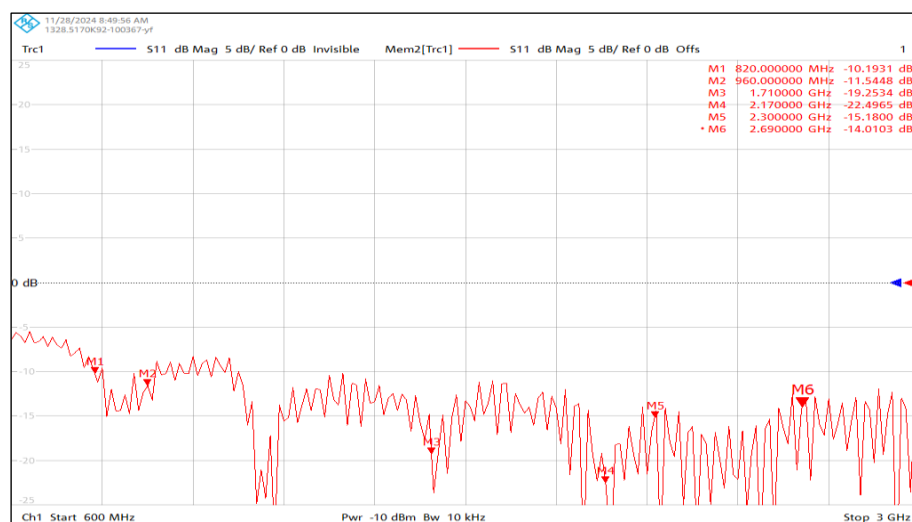
2.1 Test Setup



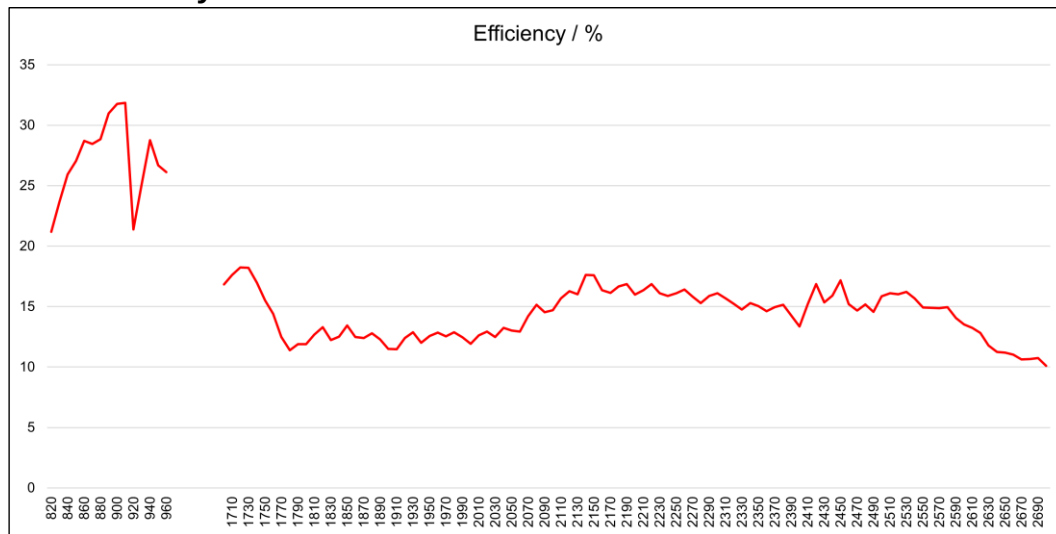
2.2 VSWR



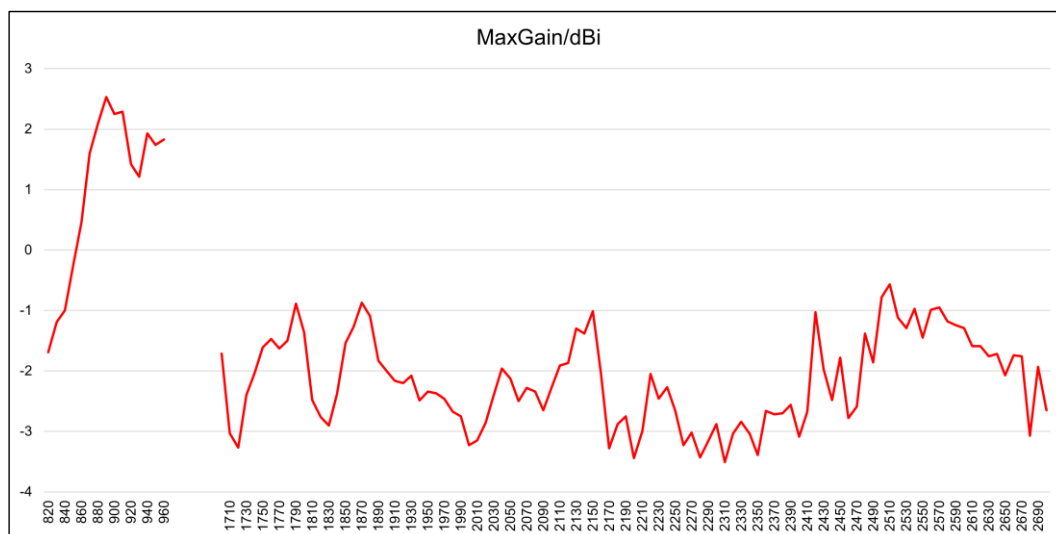
2.3 Return Loss



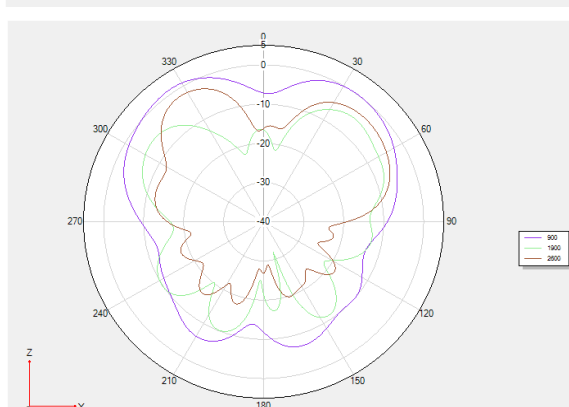
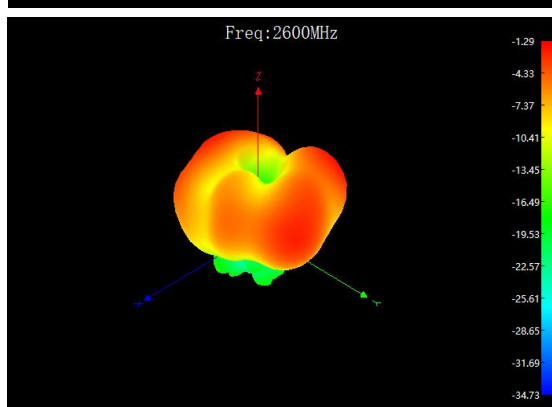
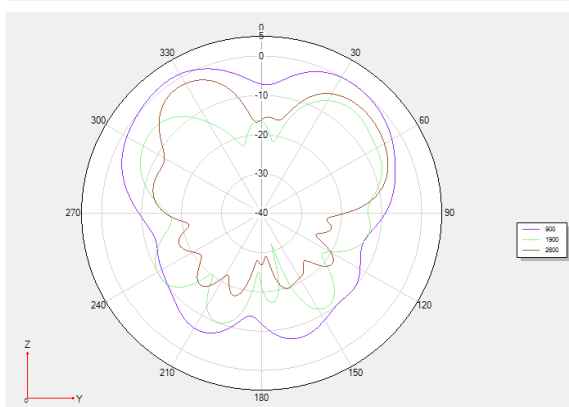
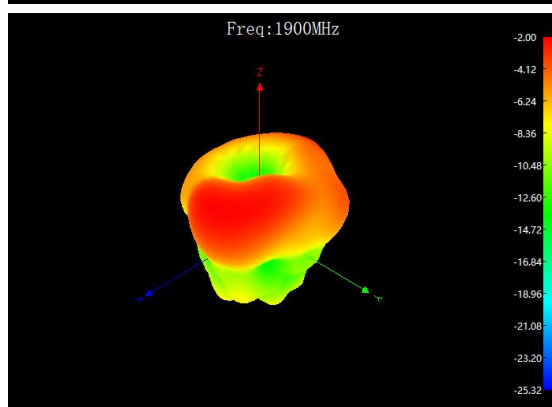
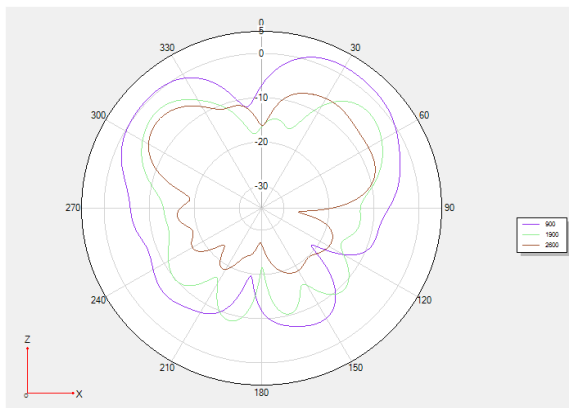
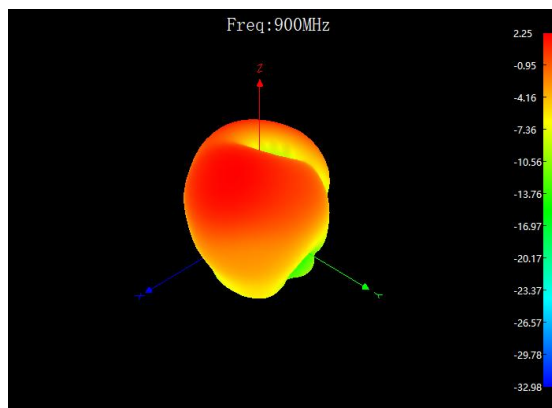
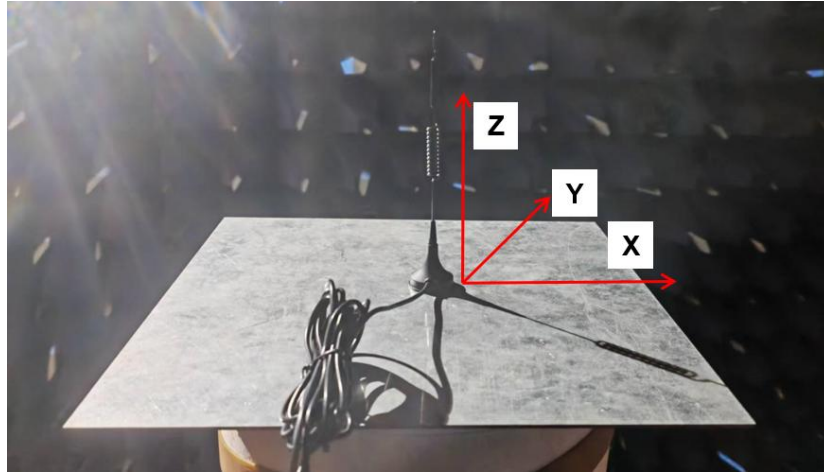
2.4 Efficiency



2.5 Gain

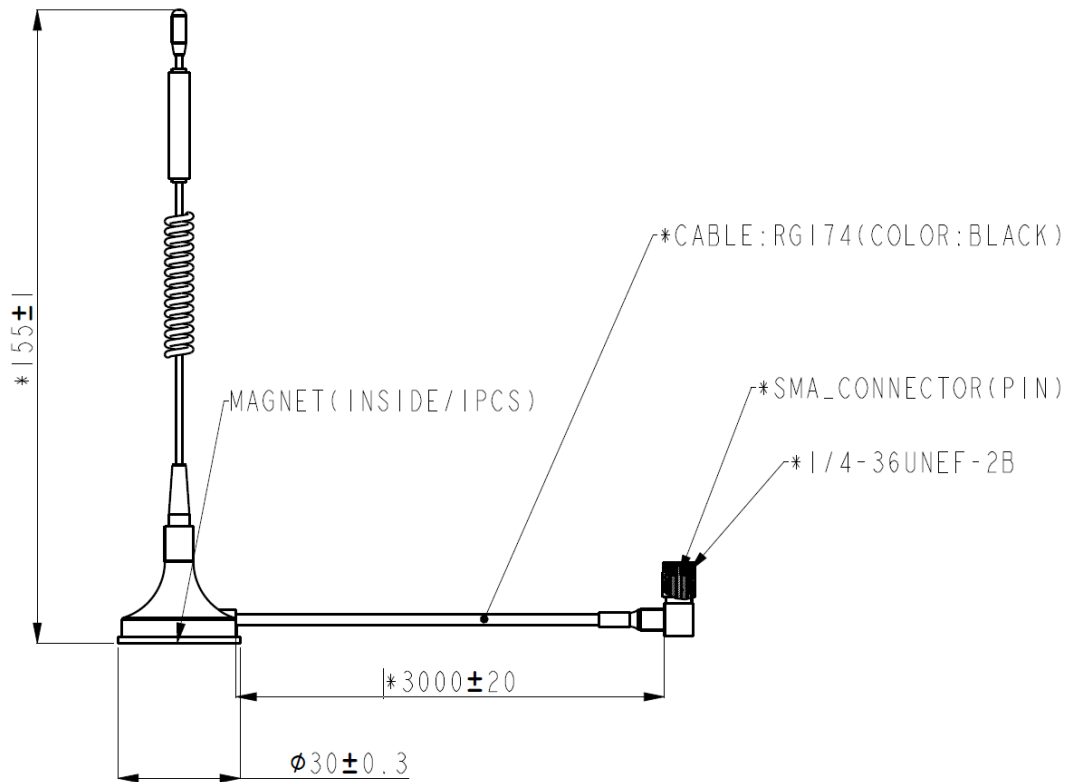


3. Radiation Patterns



4. Antenna Drawings

(Unit:mm)



Changelog for the datasheet	
SWE070	
Revision: V0(First Release)	
Date:	2024-12-16
Notes:	Initial Datasheet Release
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