



SWE006

PN: SW19036EB56

Features:

- Antenna for 868MHz.
- Small size.
- Impedance 50 Ohm.

Applications:

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

1. Electrical Specifications

Standard	ISM-868MHz
Frequency range (MHz)	868
Peak Gain (dBi)	1.51
Average Gain (dB)	-2.92
VSWR	1.17
Return Loss	-22.05
Efficiency (%)	51%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	5

2. Mechanical and Environmental Specification

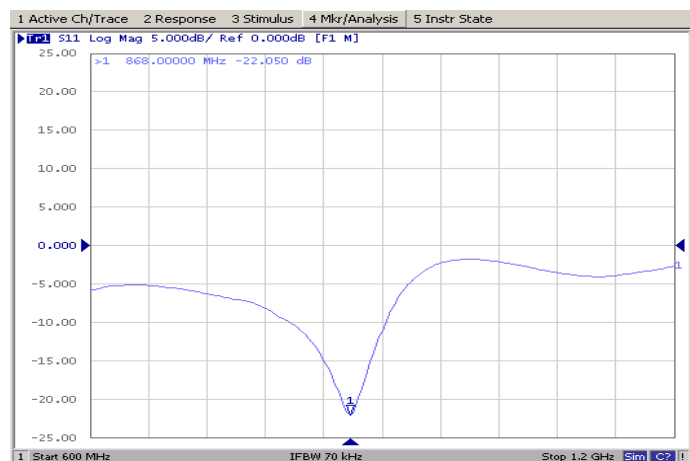
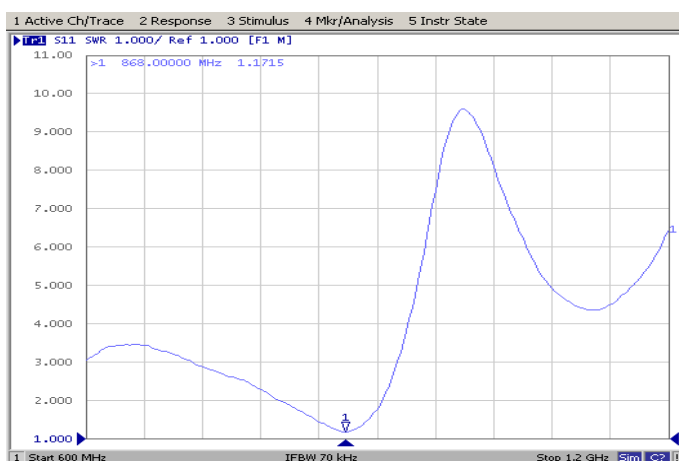
Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	109mm* ϕ 10mm
Material	ABS
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

3. Antenna parameters

3.1 General Specification

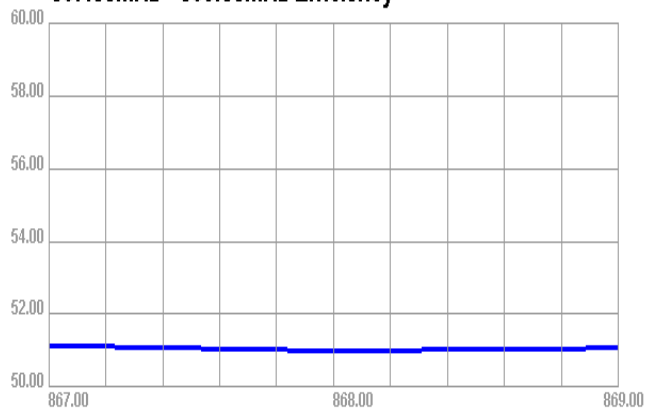
FRE (MHz)	868
VSWR	1.17
Return Loss	22.05
Eff (%)	51
Average Gain(dB)	-2.92

3.2 VSWR and Return Loss

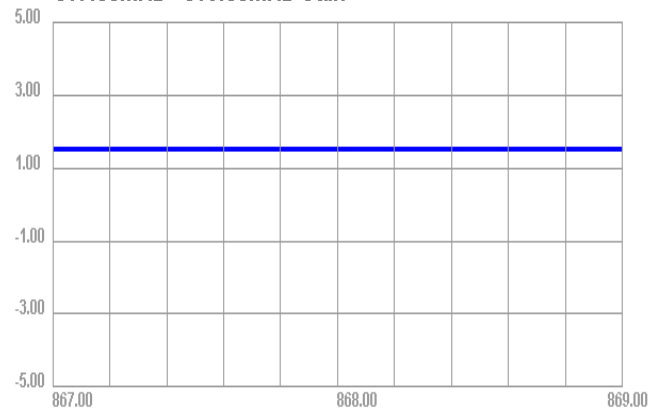


3.3 Efficiency and Gain

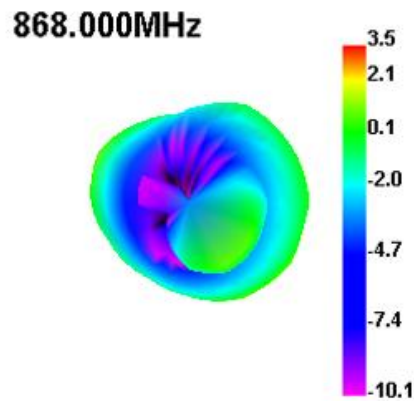
867.00MHz - 869.00MHz Efficiency



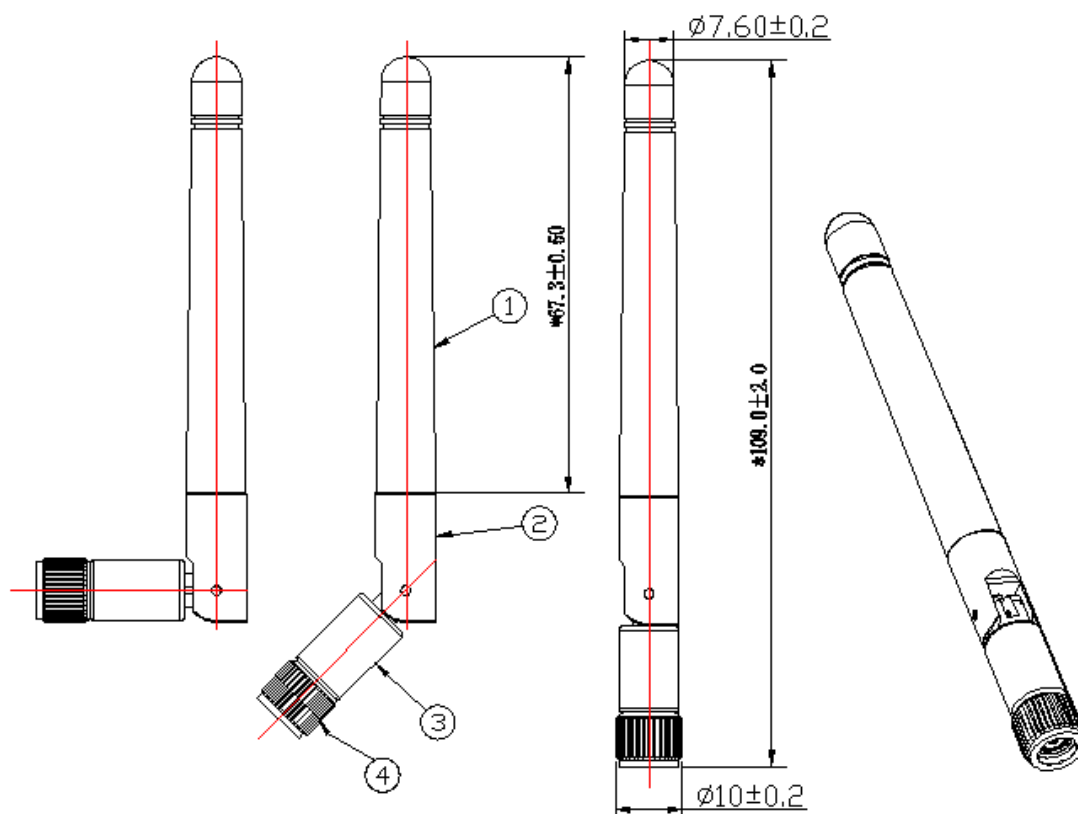
867.00MHz - 869.00MHz Gain



3.4 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