



SWE004

PN: SW19034EB56

Features

- Antenna for 433MHz.
- Impedance 50 Ohm.

Applications:

- Antenna for 433MHz applications.

1. Electrical Specification

Standards	ISM-433MHz
Frequency range (MHz)	433MHz
Peak Gain (dBi)	-1.3
Average Gain (dB)	-3.6
VSWR	1.28
Return Loss	-18.0
Efficiency (%)	43.5%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	5

2. Mechanical and Environmental Specification

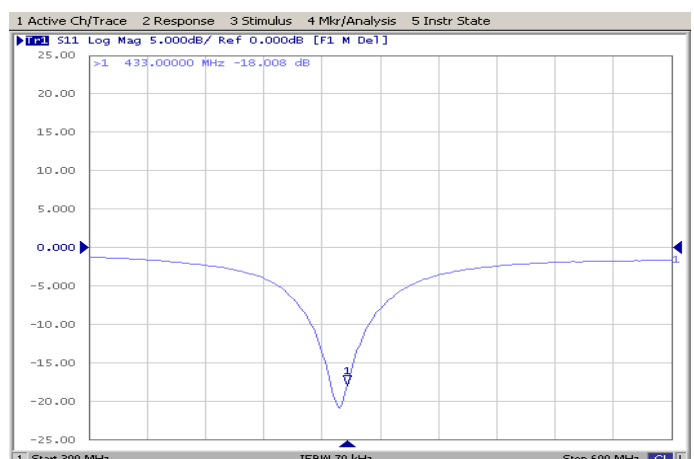
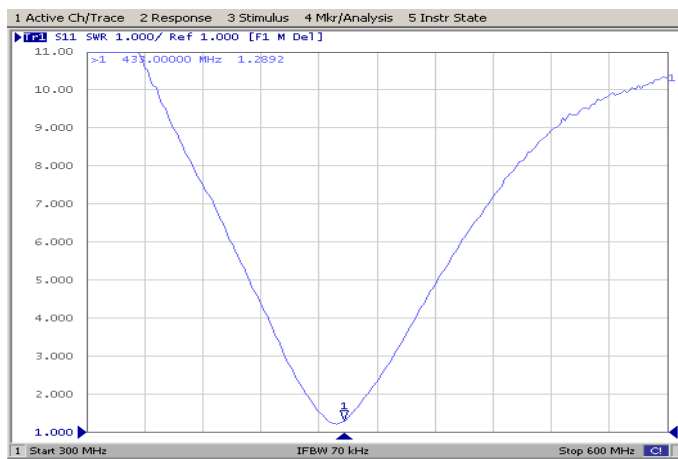
Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	109mm* ϕ 10mm
Material	ABS
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

3. Antenna parameters

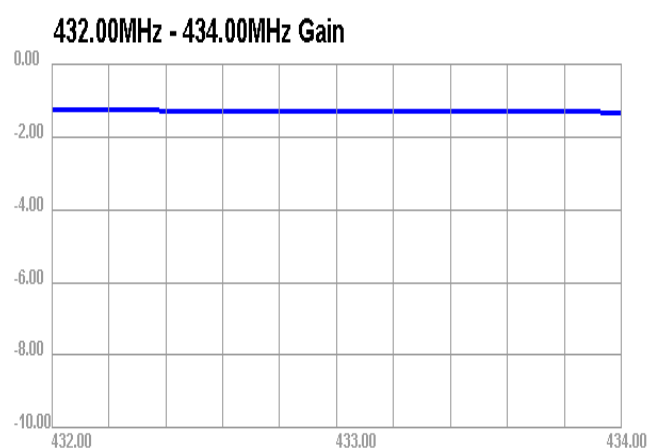
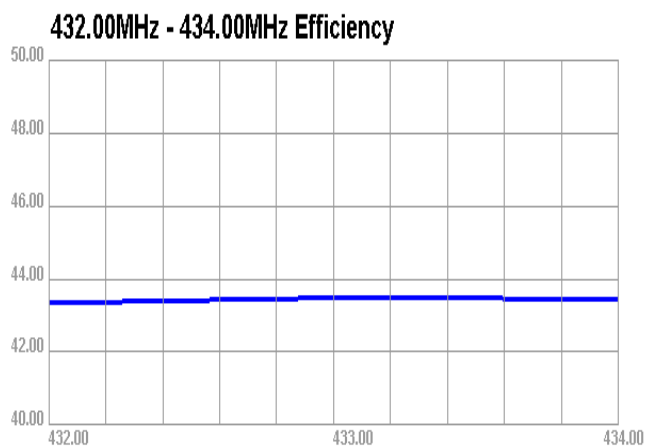
3.1 General Specification

FRE (MHz)	433
VSWR	1.28
Return Loss	-18.0
Eff (%)	43.5
Average Gain(dB)	-3.6

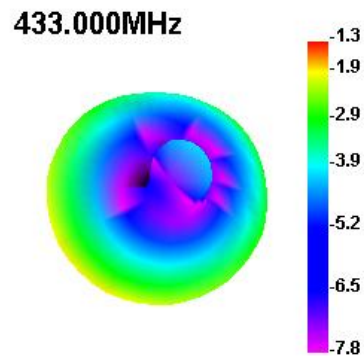
3.2 VSWR and Return Loss



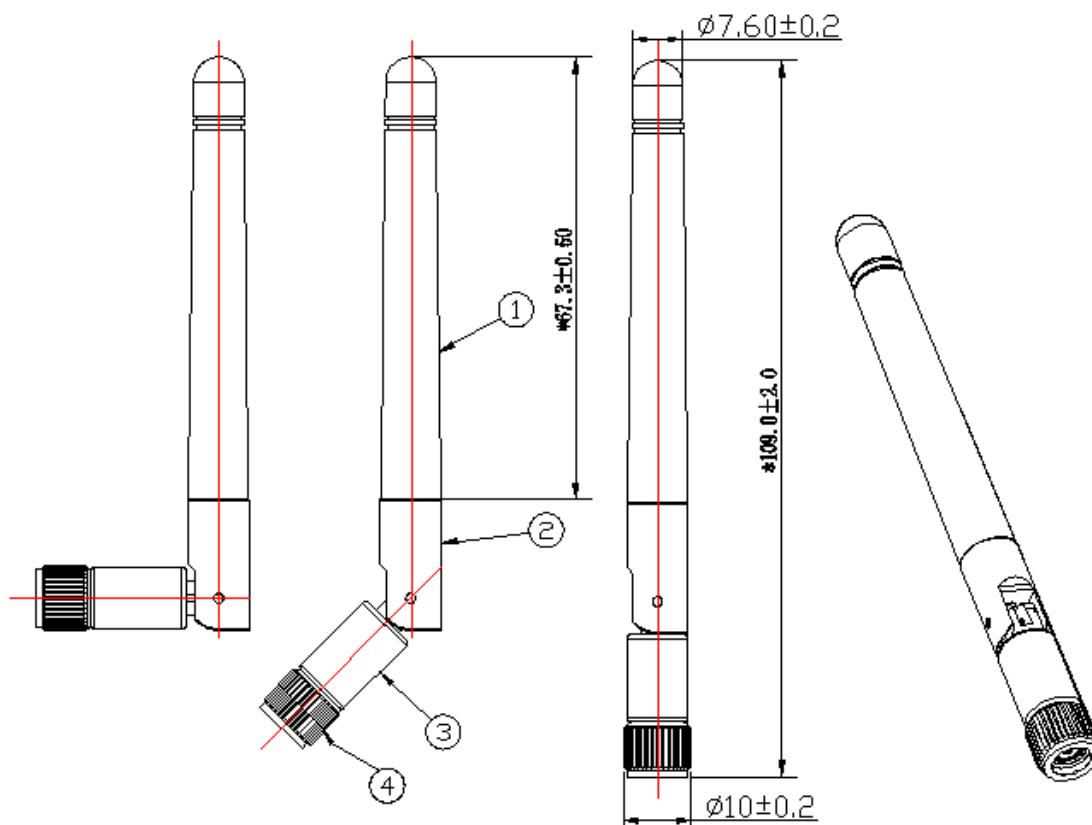
3.3 Efficiency and Gain



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