SWE033



PN: SW20039EB56

Features:

- Antenna for 868MHz, 915MHz.
- Small size.
- Impedance 50 Ohm.

Applications:

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

Sunnyway Technology

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1. Electrical Specification

Standards	ISM-868MHz	ISM-915MHz
Frequency range (MHz)	868	915
Peak Gain (dBi)	3.56	4.51
Average Gain (dB)	-1.66	-1.22
VSWR	1.89	1.77
Return Loss	-10.23	-11.11
Efficiency (%)	68.27%	75.52%
Polarization mode	Linear	
Radiation pattern	Omni-Directional	
Output impedance (Ω)	50	
Max. Input Power(W)	5	

2. Mechanical and Environmental

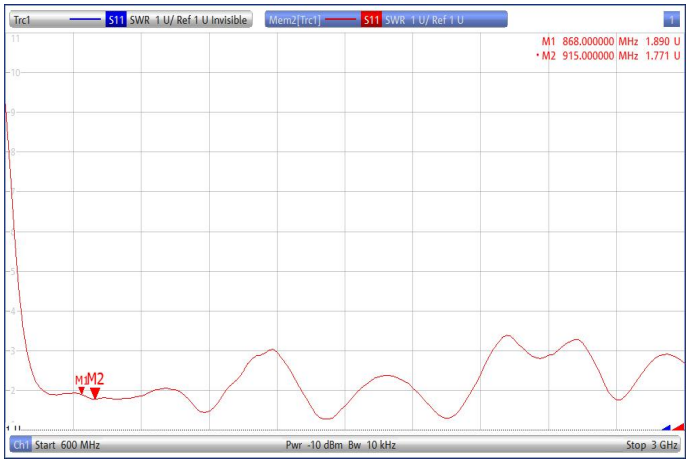
Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	152.4 x 21.79 x 14.49
Material	ABS
Operating Temperature (˚C)	- 40 ˚C ~ + 85 ˚C
Storage Temperature(˚C)	- 40 ˚C ~ + 85 ˚C

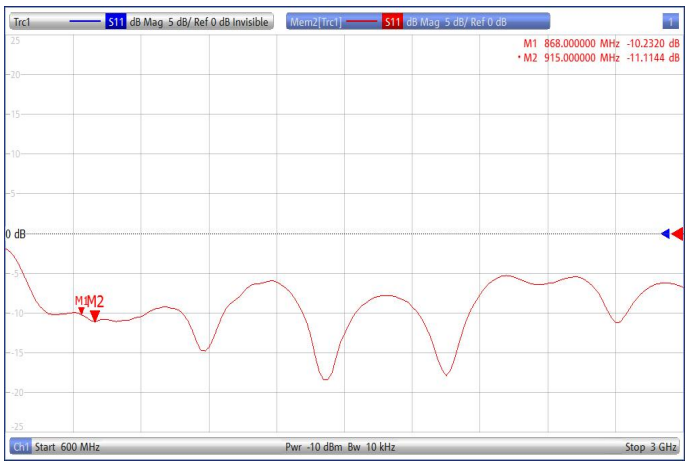
3. Antenna parameters

3.1 General Specification

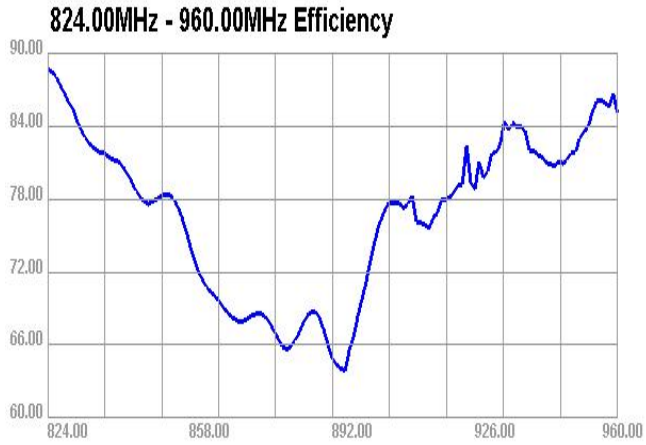
FRE (MHz)	868	915
VSWR	1.89	1.77
Return Loss	-10.23	-11.11
Eff (%)	68.27	75.52
Average Gain (dB)	-1.66	-1.22

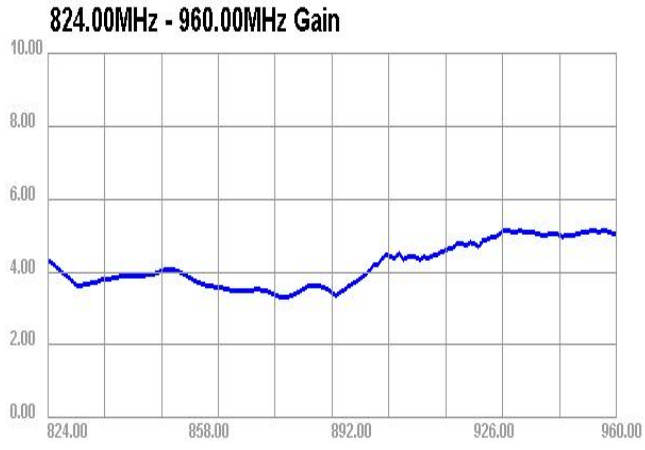
3.2 VSWR and Return Loss



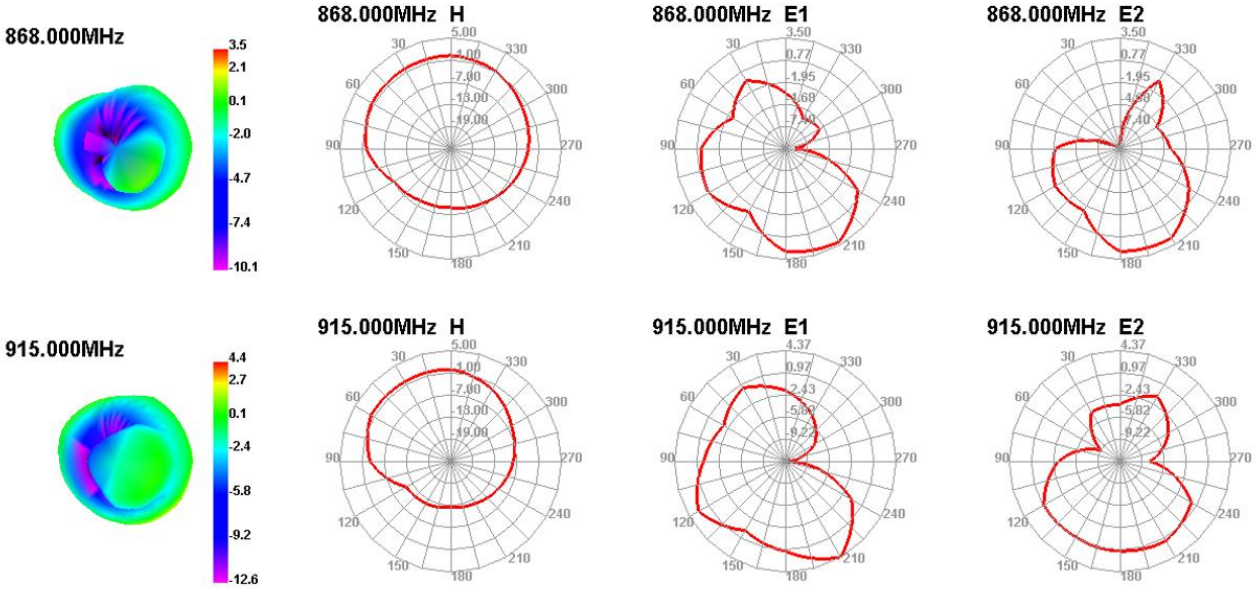


3.3 Efficiency and Gain

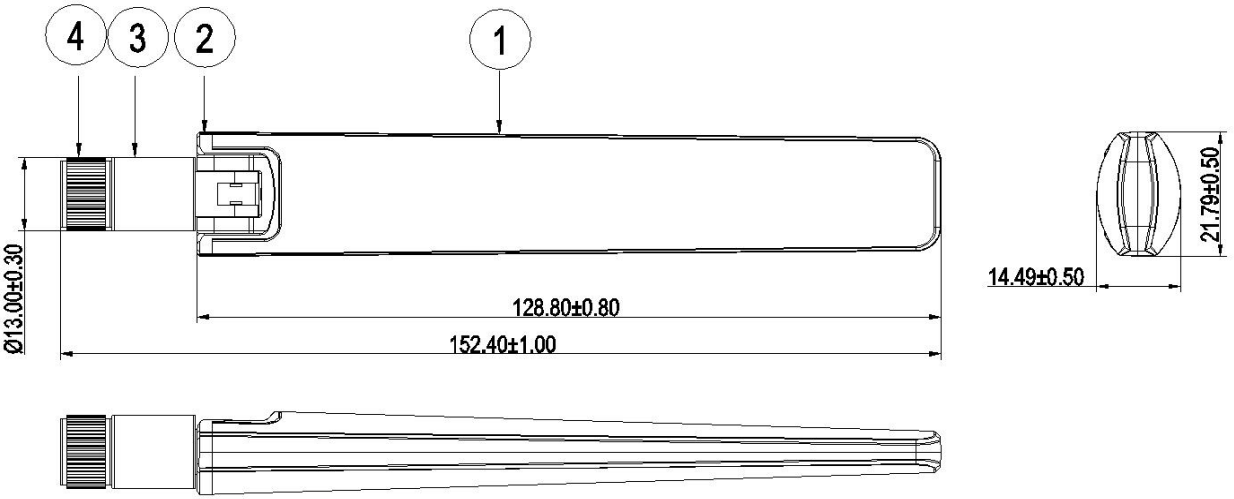




3.4 Directional Pattern



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