SUNNYWAY

SWE017

PN: SW19047EB56



Sunnyway Technology

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1. Electrical Specifications

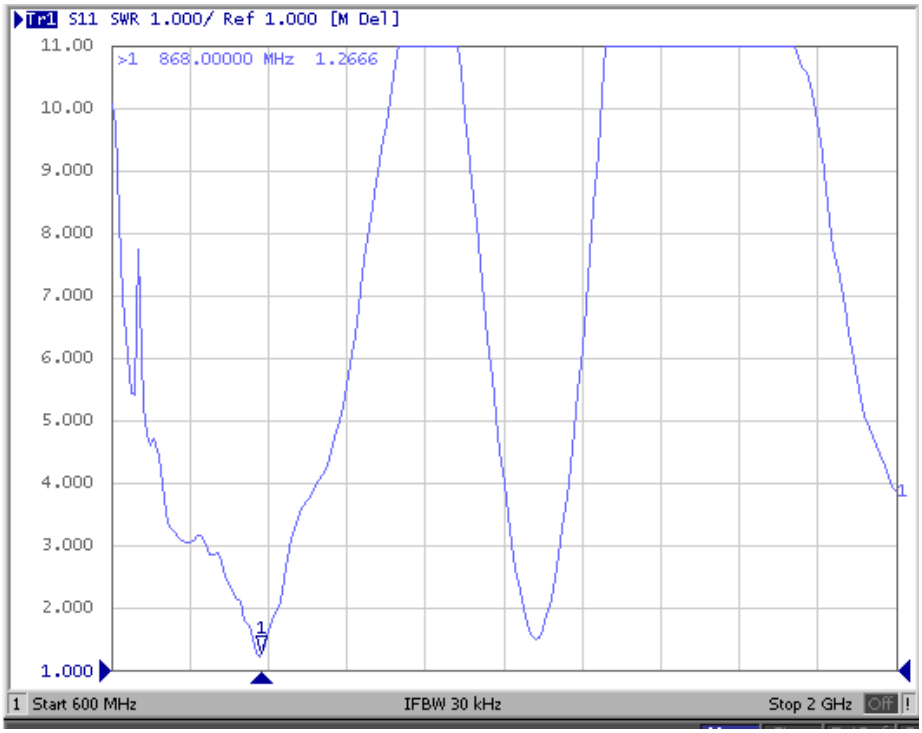
Frequency range (MHz)	868MHz
Peak Gain (dBi)	1.62dBi
Average Gain (dB)	-3.57dB
VSWR	1.26
Return Loss	-18.91
Efficiency (%)	43.97%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specification

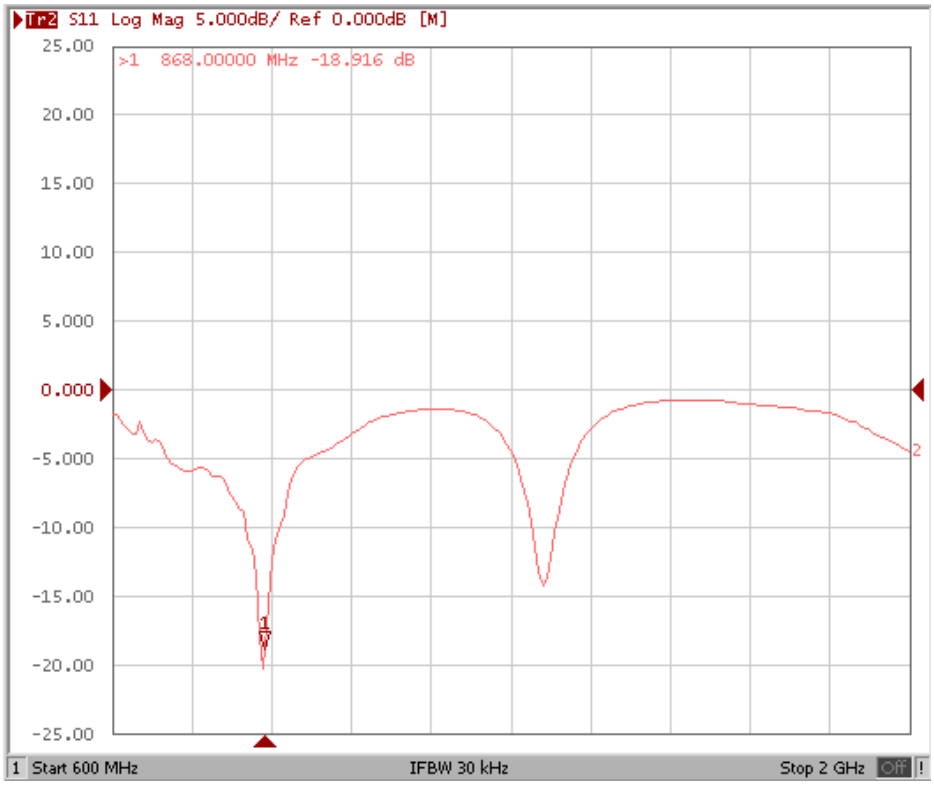
Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	47.3mm*φ8.5mm
Material	ABS
Operating Temperature (˚C)	- 40 ˚C ~ + 85 ˚C
Storage Temperature(˚C)	- 40 ˚C ~ + 85 ˚C

3. Antenna parameters

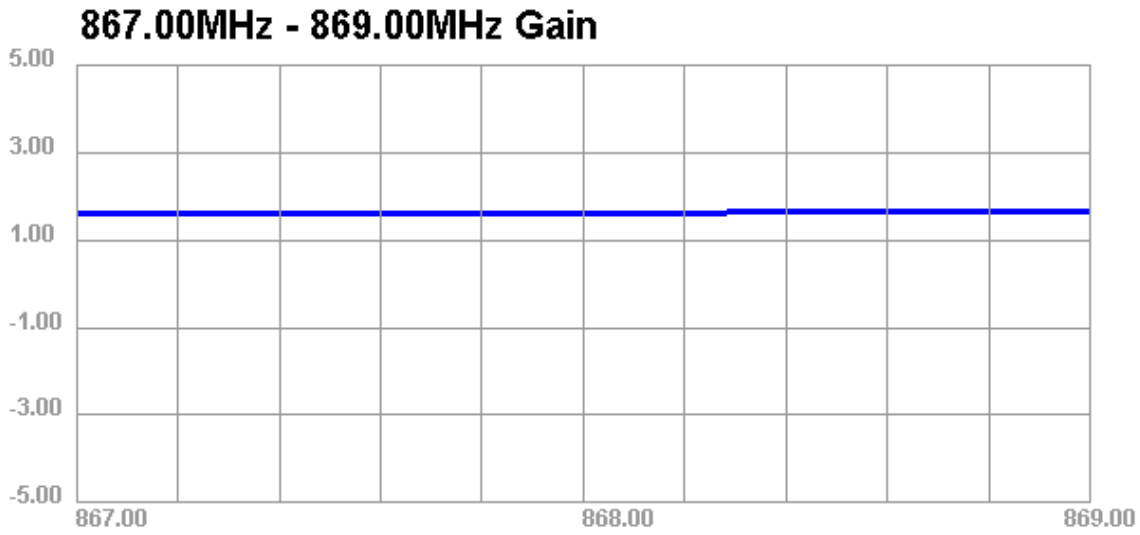
FRE（MHz）	868
VSWR	1.26
Return Loss	-18.91
Eff (%)	43.97
Average Gain(dB)	-3.57

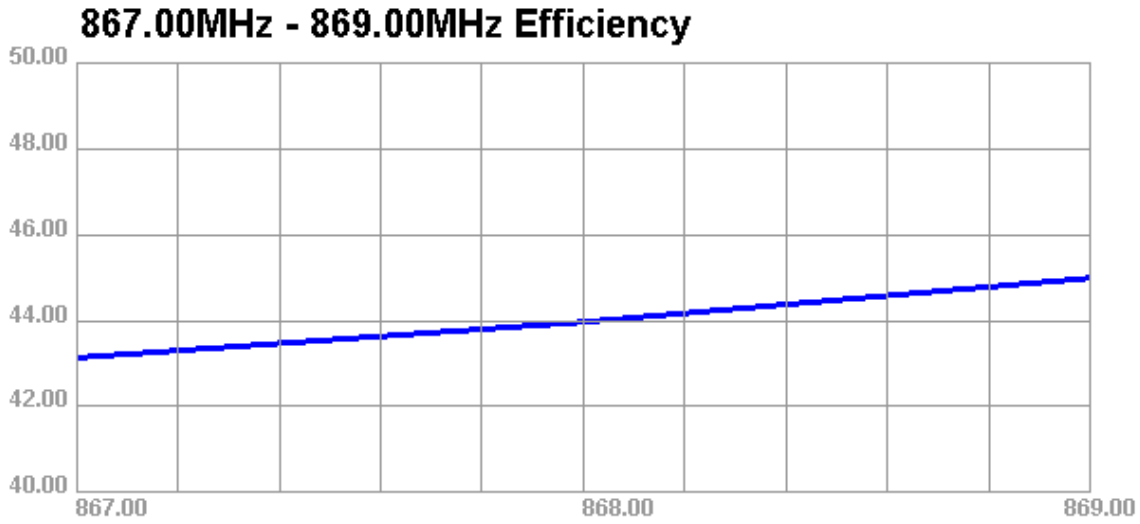


VSWR

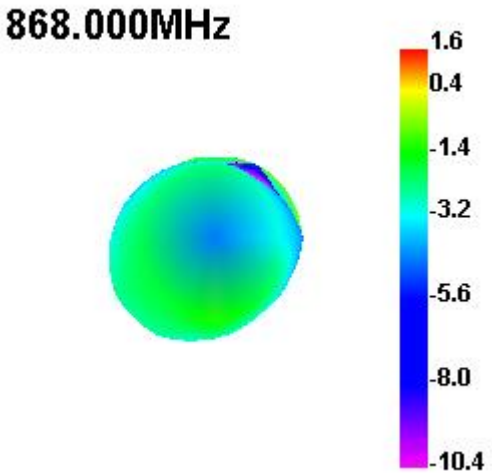


Return Loss

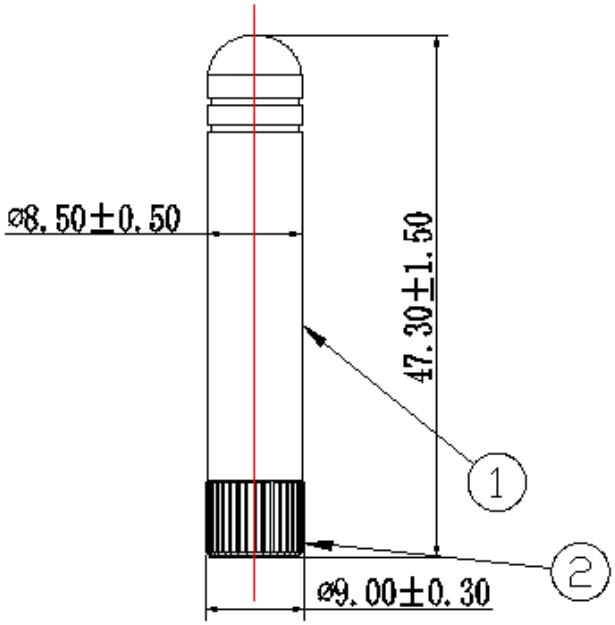

867.00MHz - 869.00MHz Gain
5.00
3.00
1.00
-1.00
-3.00
-5.00
867.00
868.00
869.00


867.00MHz - 869.00MHz Efficiency
50.00
48.00
46.00
44.00
42.00
40.00
867.00
868.00
869.00

Directional pattern



4. Antenna Drawings



Series	Component name	Specification	Color	Quantity
2	SMA	SMA-J	white	1
1	noumenon	ABS	black	1