SUNNYWAY

SWE020-RP

PN: SW19050EB56-RP



Sunnyway Technology
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1. Electrical Specifications

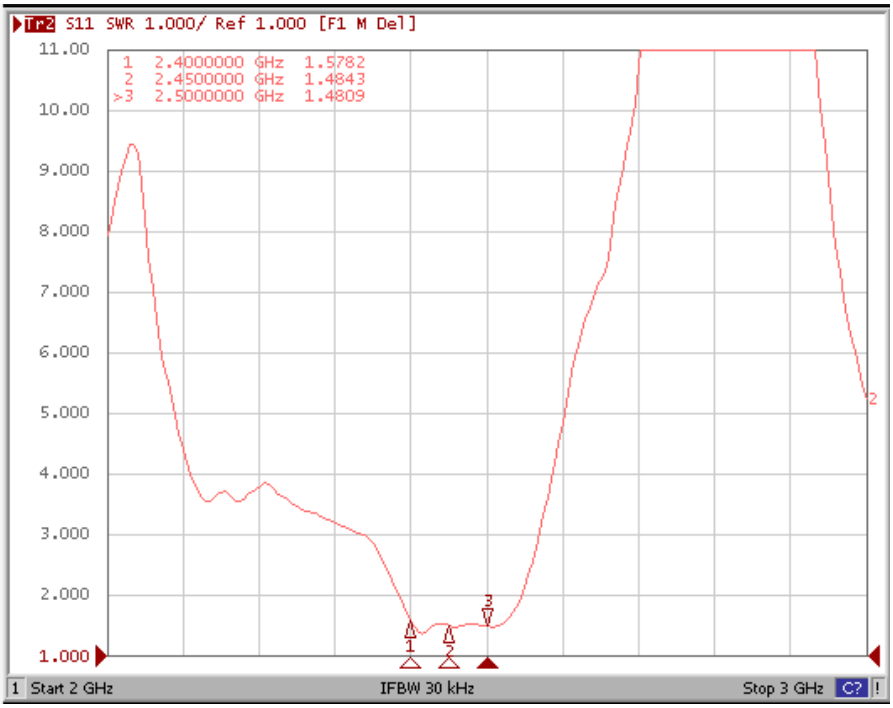
Standards	WiFi/BT
Frequency range (MHz)	2400~2500MHz
Peak Gain (dBi)	1.7~3.7dBi
Average Gain (dB)	-2.4~-4.1dB
VSWR	<1.6
Return Loss	<-13.0
Efficiency (%)	39~57%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specification

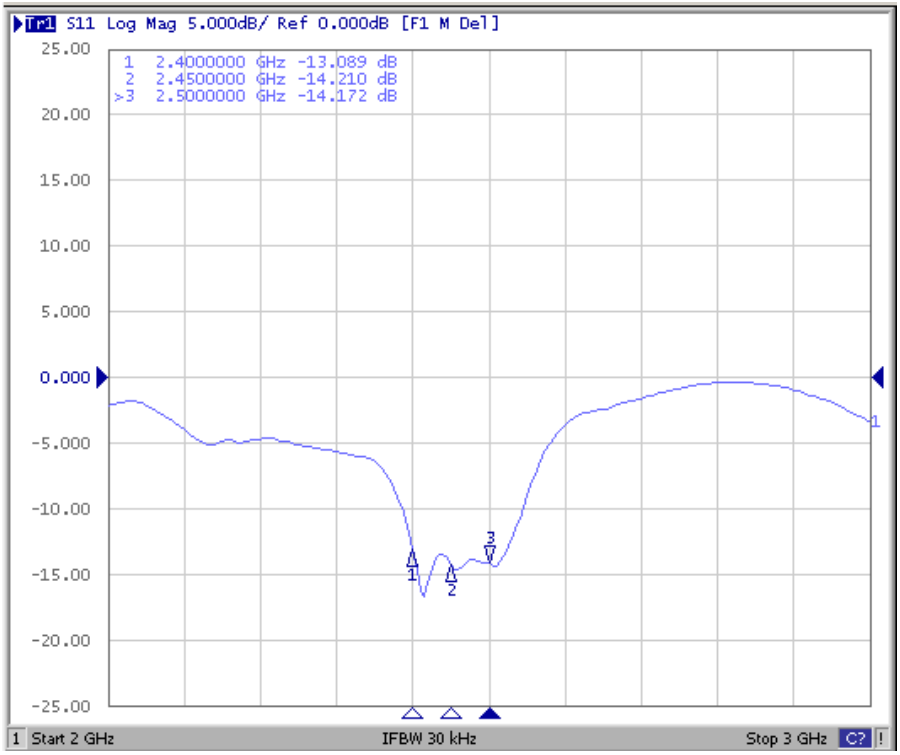
Mounting Type	Connector Mount
Connector Type	SMA-RP
Antenna size(mm)	47.3mm*φ8.5mm
Material	ABS
Operating Temperature (˚C)	- 40 ˚C ~ + 85 ˚C
Storage Temperature(˚C)	- 40 ˚C ~ + 85 ˚C

3. Antenna parameters

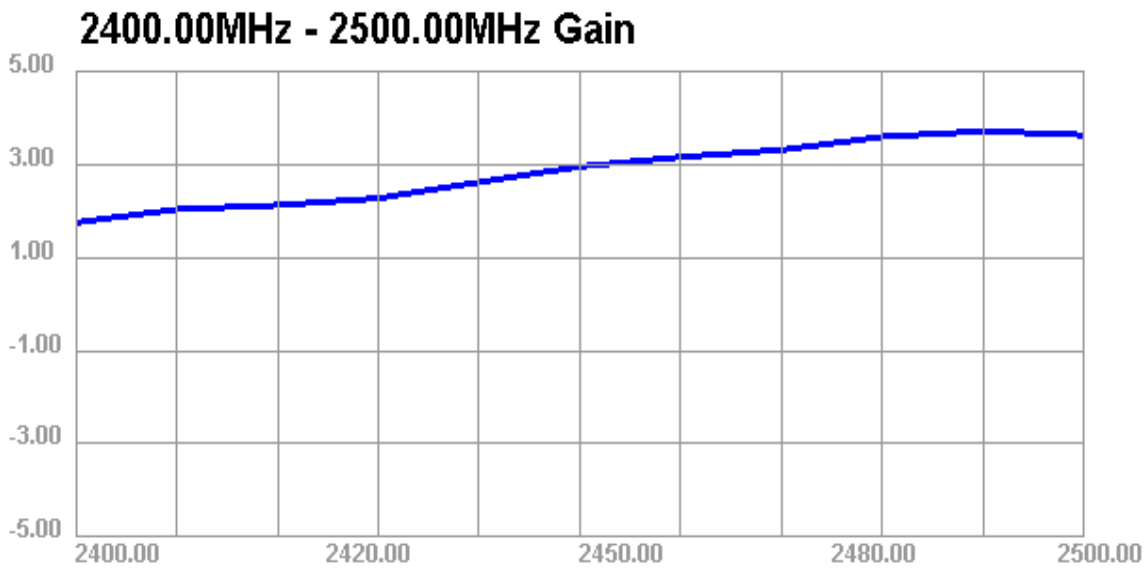
FRE（MHz）	2400	2450	2500
VSWR	1.57	1.48	1.48
Return Loss	-13.08	-14.21	-14.17
Eff (%)	38.29	56.12	56.39
Average Gain(dB)	-4.17	-2.51	-2.49

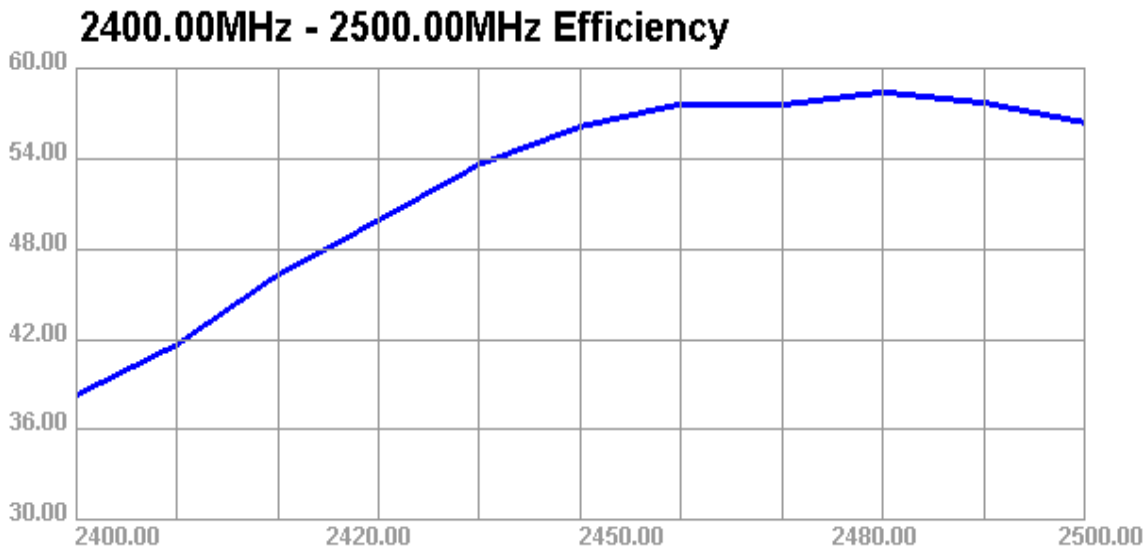


VSWR

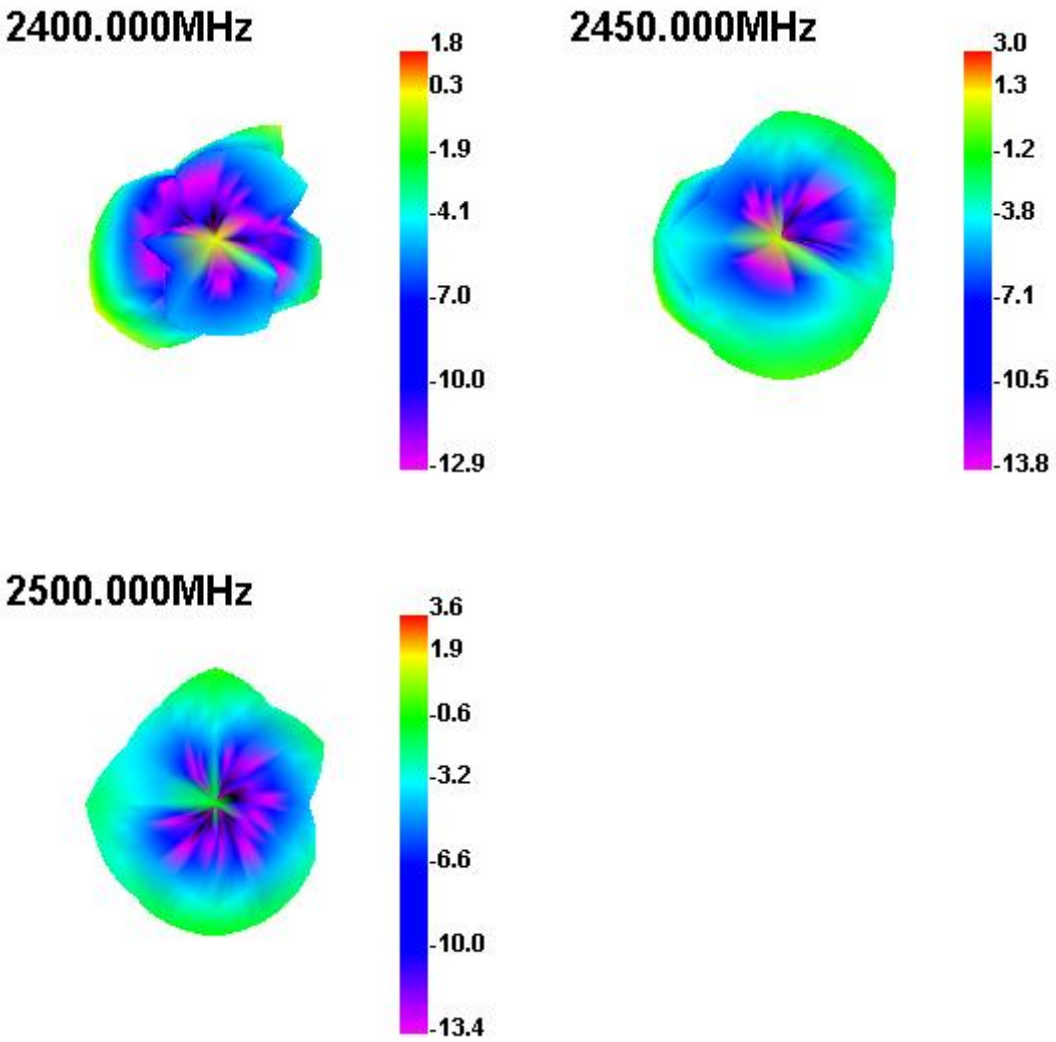


Return Loss

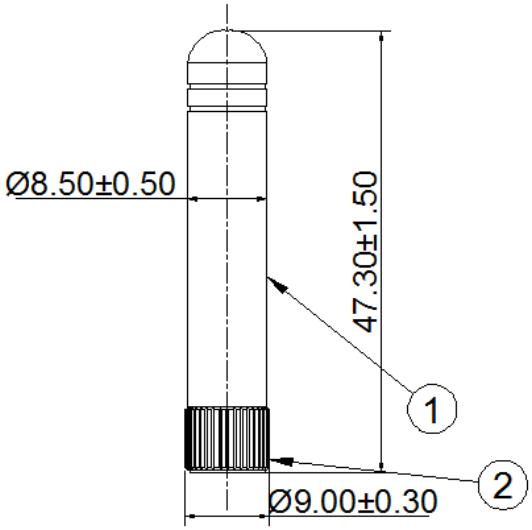

2400.00MHz - 2500.00MHz Gain
5.00
3.00
1.00
-1.00
-3.00
-5.00
2400.00
2420.00
2450.00
2480.00
2500.00


2400.00MHz - 2500.00MHz Efficiency
60.00
54.00
48.00
42.00
36.00
30.00
2400.00
2420.00
2450.00
2480.00
2500.00

Directional pattern



4. Antenna Drawings



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