SUNNYWAY

SWE018

PN: SW19048EB56



Sunnyway Technology

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1. Electrical Specifications

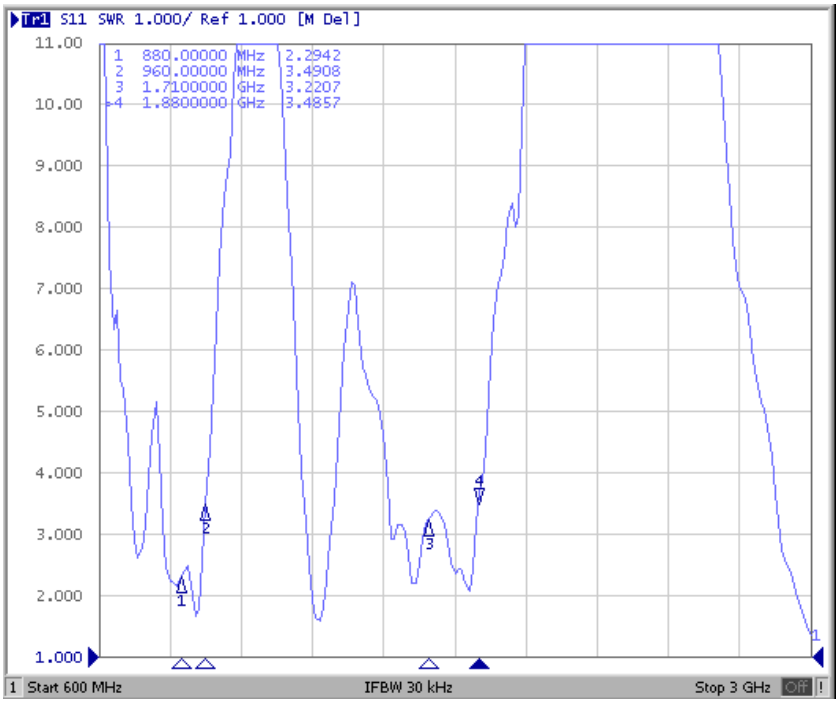
Standards	2G	
Frequency range (MHz)	880~960MHz	1710~1880MHz
Peak Gain (dBi)	-0.8~3.1dBi	0.7~3.3dBi
Average Gain (dB)	-4.5~-2.5dB	-2.9~-5.1dB
VSWR	<3.5	<3.5
Return Loss	<-5.1	<-5
Efficiency (%)	35.4~55.2%	30.9~50.6%
Polarization mode	Linear	Linear
Radiation pattern	Omni-Directional	Omni-Directional
Output impedance (Ω)	50	50
Max. Input Power(W)	25	25

2. Mechanical and Environmental Specification

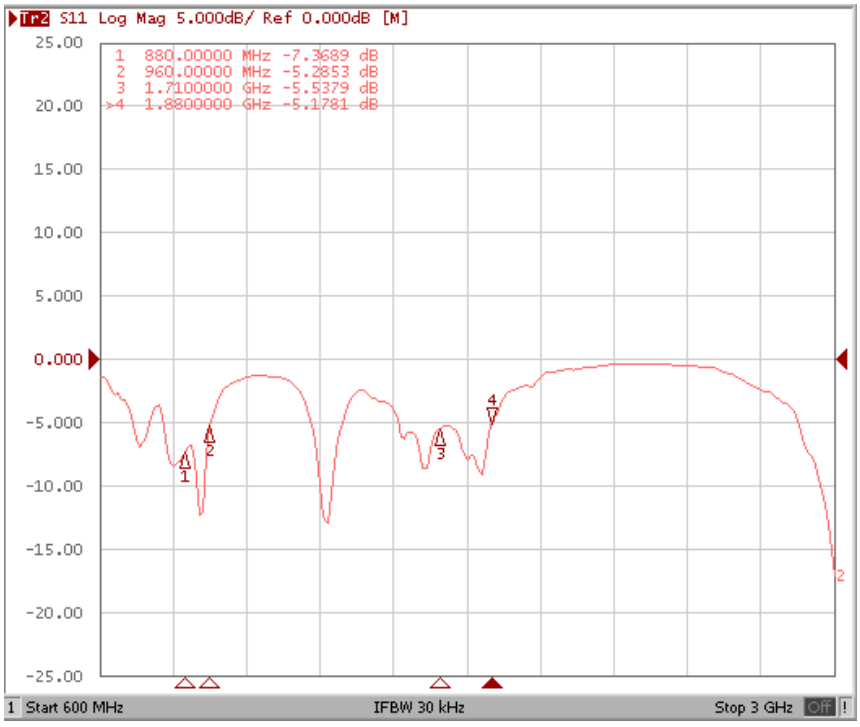
Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	47.3mm*φ8.5mm
Material	ABS
Operating Temperature (˚C)	- 40 ˚C ~ + 85 ˚C
Storage Temperature(˚C)	- 40 ˚C ~ + 85 ˚C

3. Antenna parameters

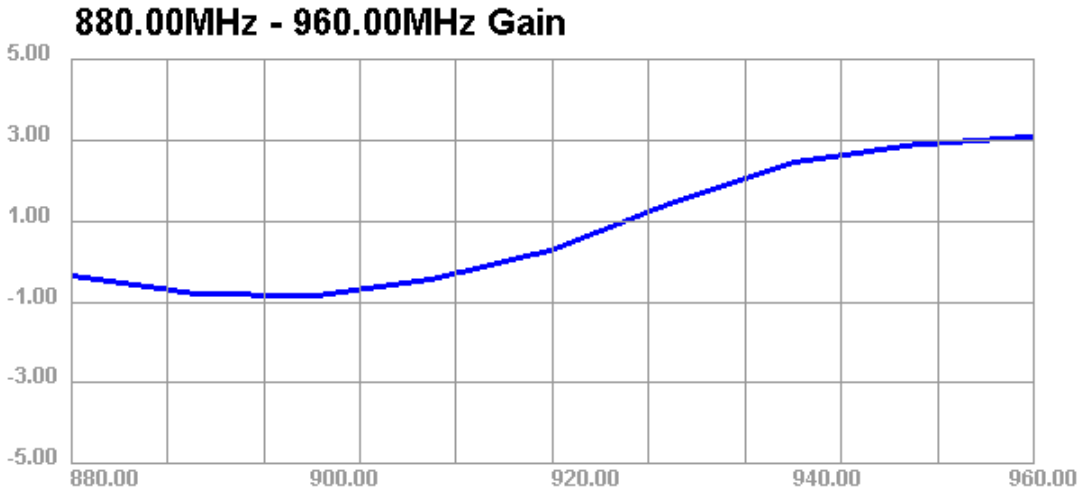
FRE（MHz）	880	960	1710	1880
VSWR	2.2	3.4	3.2	3.4
Return Loss	-7.3	-5.2	-5.5	-5.1
Eff (%)	35.4	51.72	38.96	30.97
Average Gain(dB)	-4.51	-2.86	-4.09	-5.09

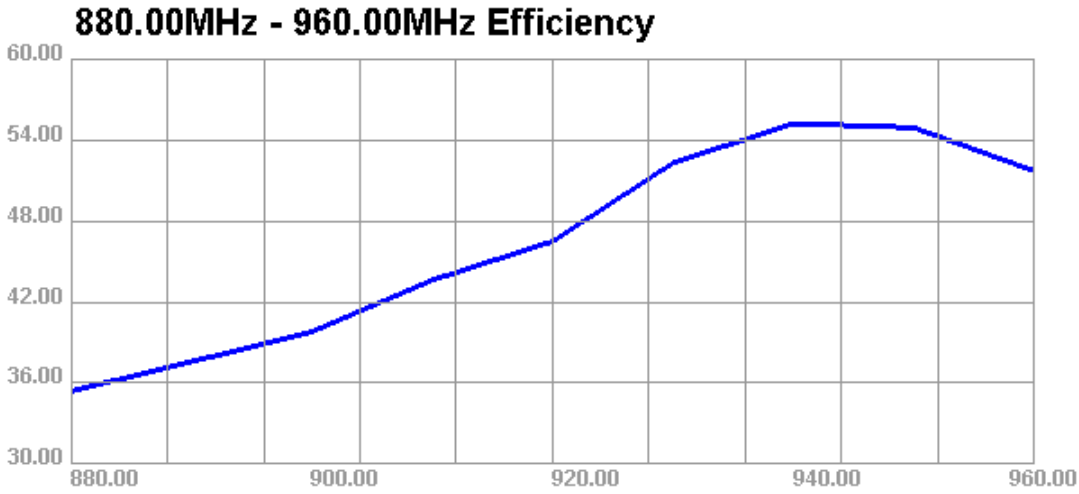


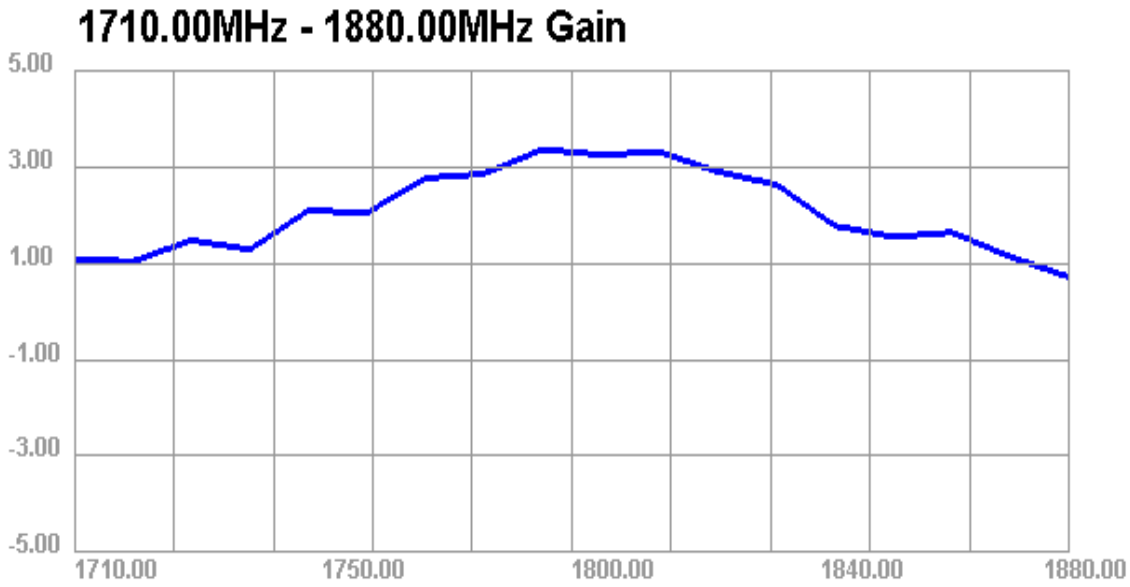
VSWR

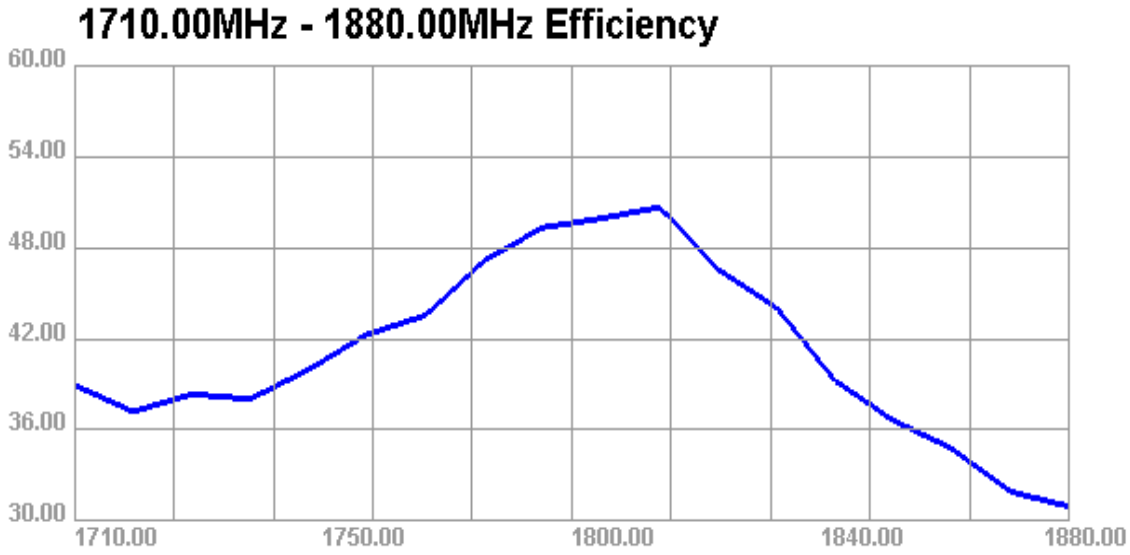


Return Loss

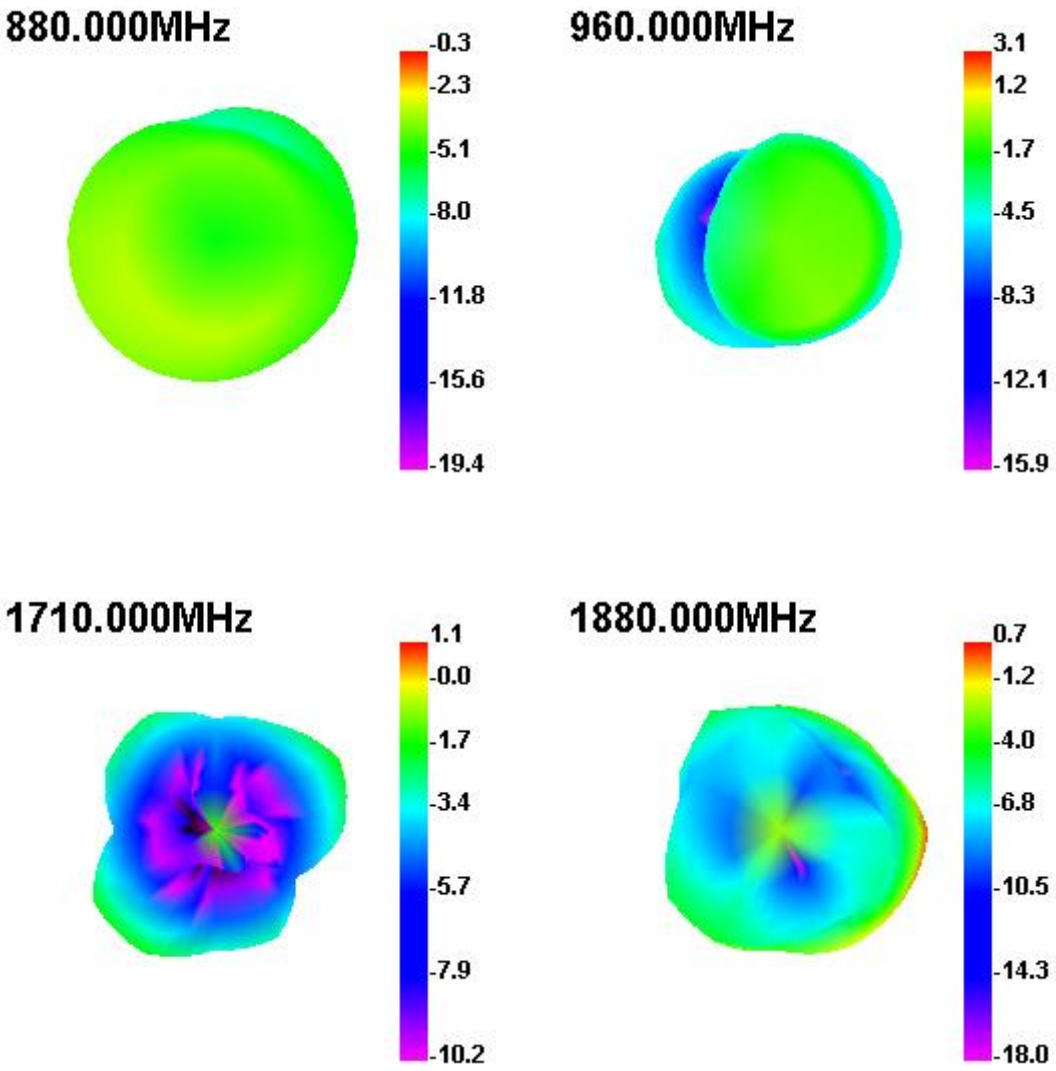

880.00MHz - 960.00MHz Gain
5.00
3.00
1.00
-1.00
-3.00
-5.00
880.00
900.00
920.00
940.00
960.00


880.00MHz - 960.00MHz Efficiency
60.00
54.00
48.00
42.00
36.00
30.00
880.00
900.00
920.00
940.00
960.00

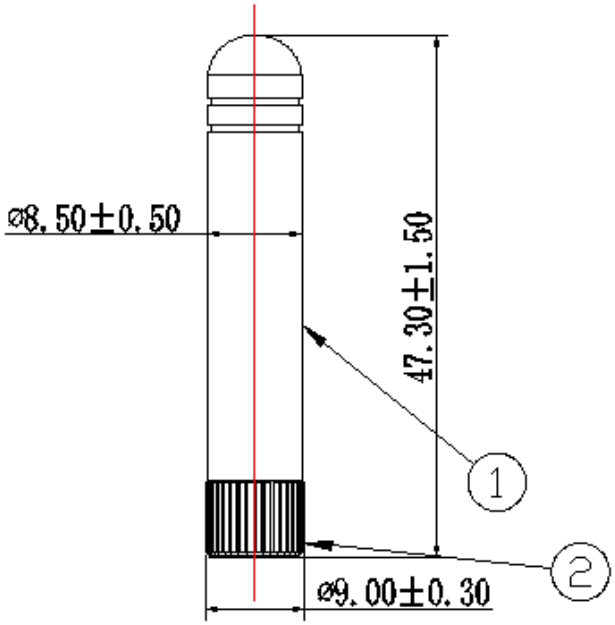

1710.00MHz - 1880.00MHz Gain
5.00
3.00
1.00
-1.00
-3.00
-5.00
1710.00
1750.00
1800.00
1840.00
1880.00


1710.00MHz - 1880.00MHz Efficiency
60.00
54.00
48.00
42.00
36.00
30.00
1710.00
1750.00
1800.00
1840.00
1880.00

Directional pattern



4.Antenna Drawings



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