SUNNYWAY

SWE029

PN: SW19077EB56



Sunnyway Technology

Add: Building 65-302, No.421 Hongcao Road, Xuhui District, Shanghai
Tel: +86-021-6484 2326 Fax: +86-021-6484 2328
Email: sales@sunny-way.com Web: www.sunny-way.com

1. Electrical Specifications

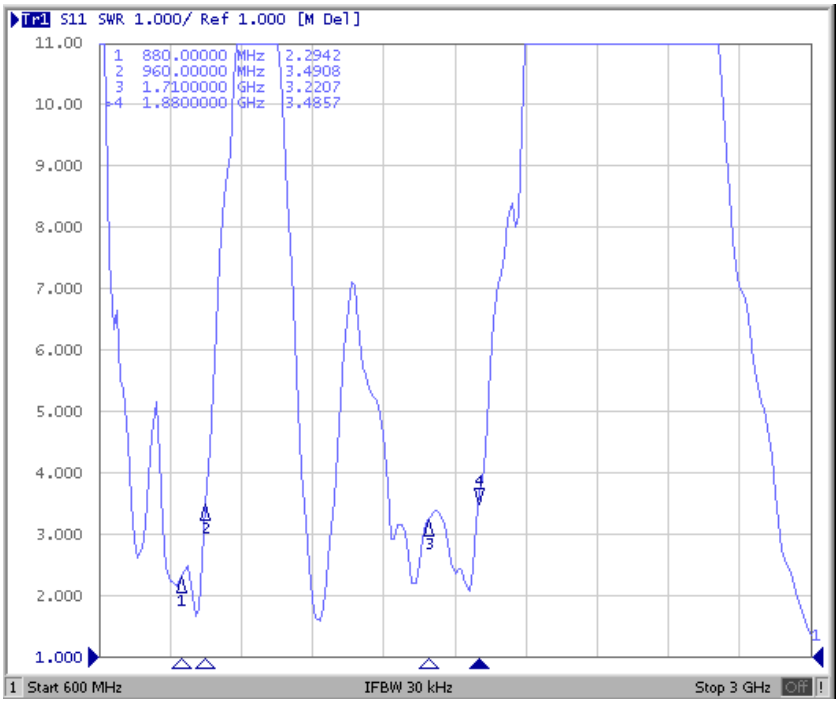
Standards	2G	
Frequency range (MHz)	880~960MHz	1710~1880MHz
Peak Gain (dBi)	-0.8~3.1dBi	0.7~3.3dBi
Average Gain (dB)	-4.5~-2.5dB	-2.9~-5.1dB
VSWR	<3.5	<3.5
Return Loss	<-5.1	<-5
Efficiency (%)	35.4~55.2%	30.9~50.6%
Polarization mode	Linear	Linear
Radiation pattern	Omni-Directional	Omni-Directional
Output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

2. Mechanical and Environmental Specification

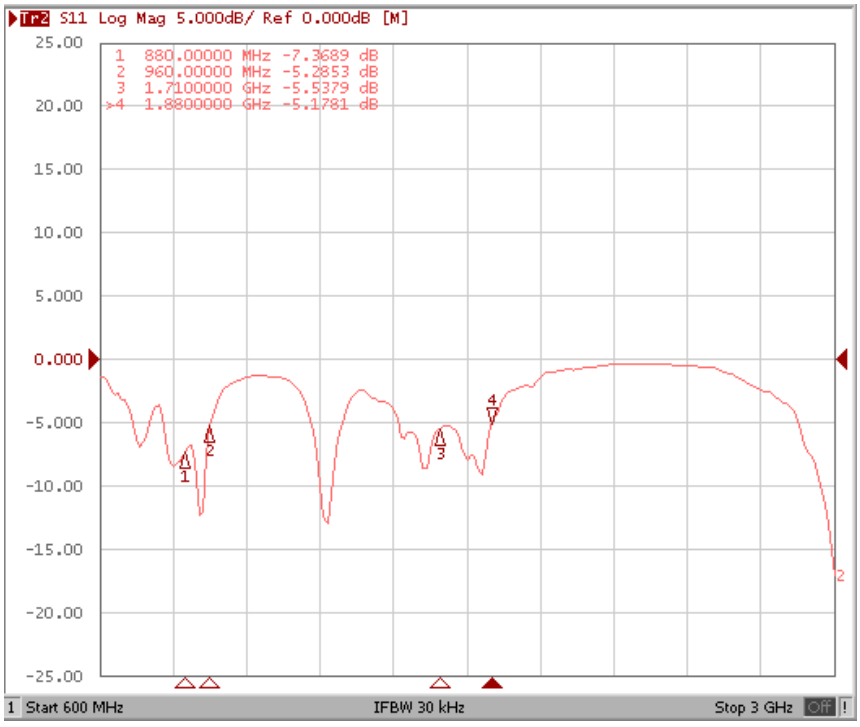
Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	48.6Xφ8mm
Material	ABS
Operating Temperature (˚C)	- 40 ˚C ~ + 85 ˚C
Storage Temperature(˚C)	- 40 ˚C ~ + 85 ˚C

3. Antenna parameters

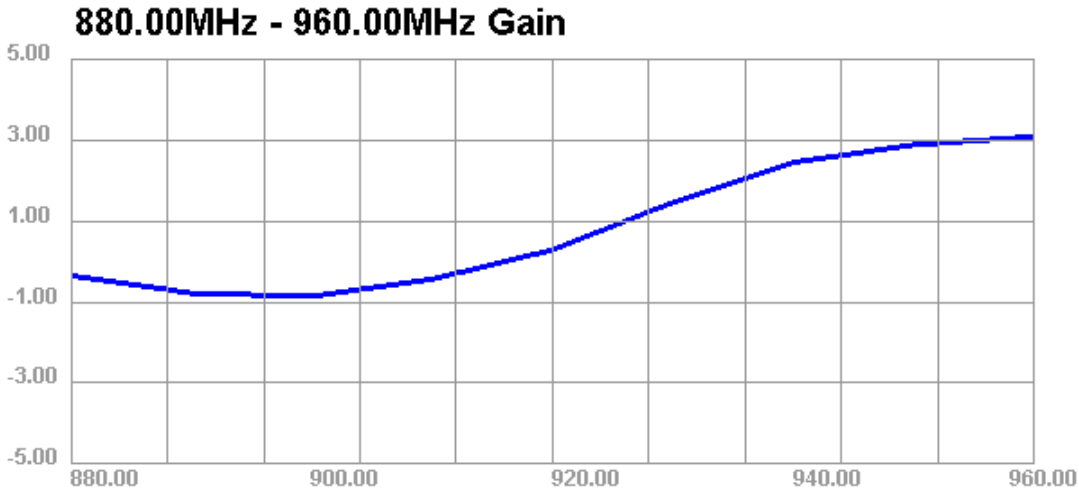
FRE（MHz）	880	960	1710	1880
VSWR	2.2	3.4	3.2	3.4
Return Loss	-7.3	-5.2	-5.5	-5.1
Eff (%)	35.4	51.7	38.9	30.9
Average Gain(dB)	-4.51	-2.86	-4.09	-5.09

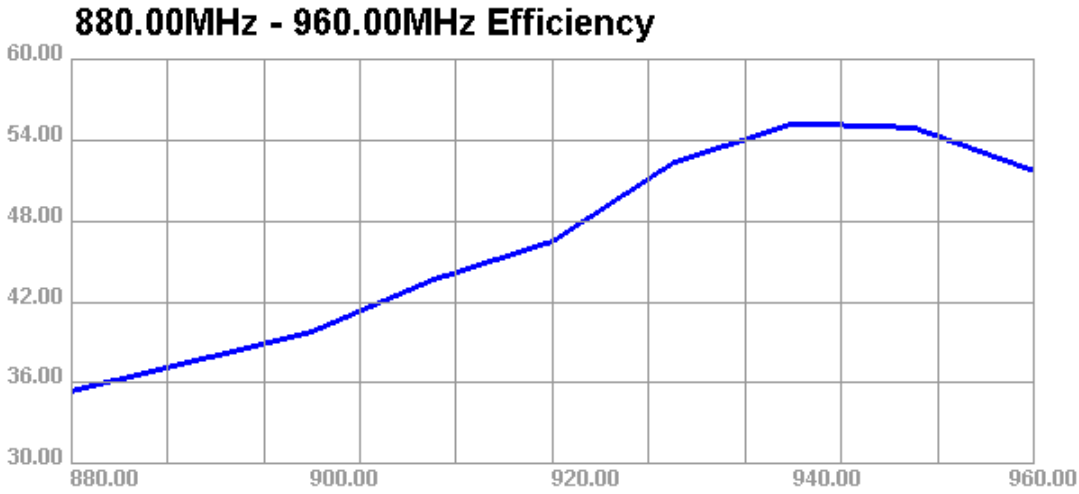


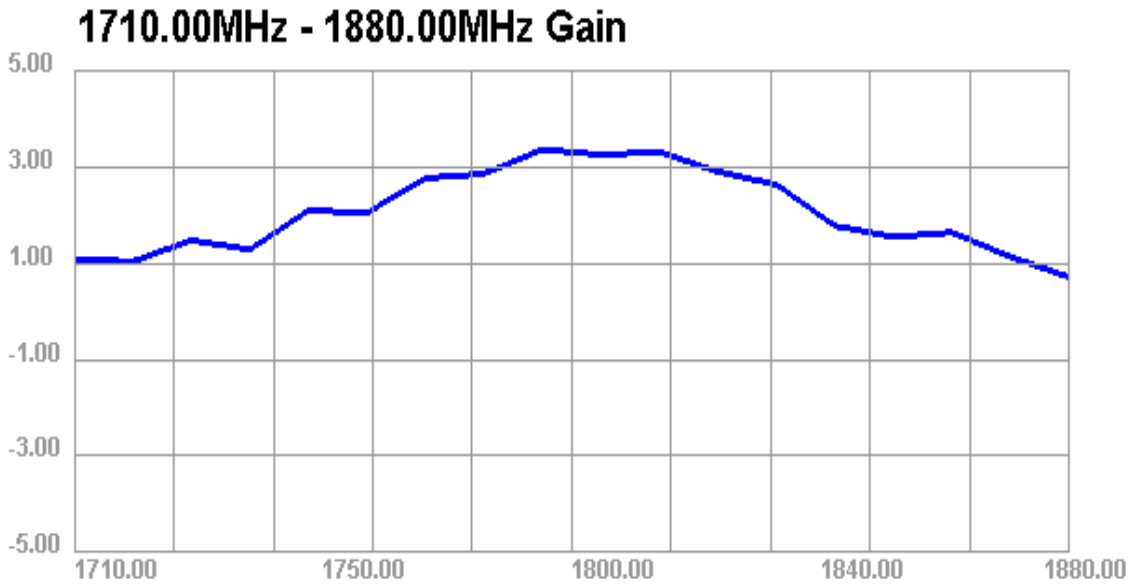
VSWR

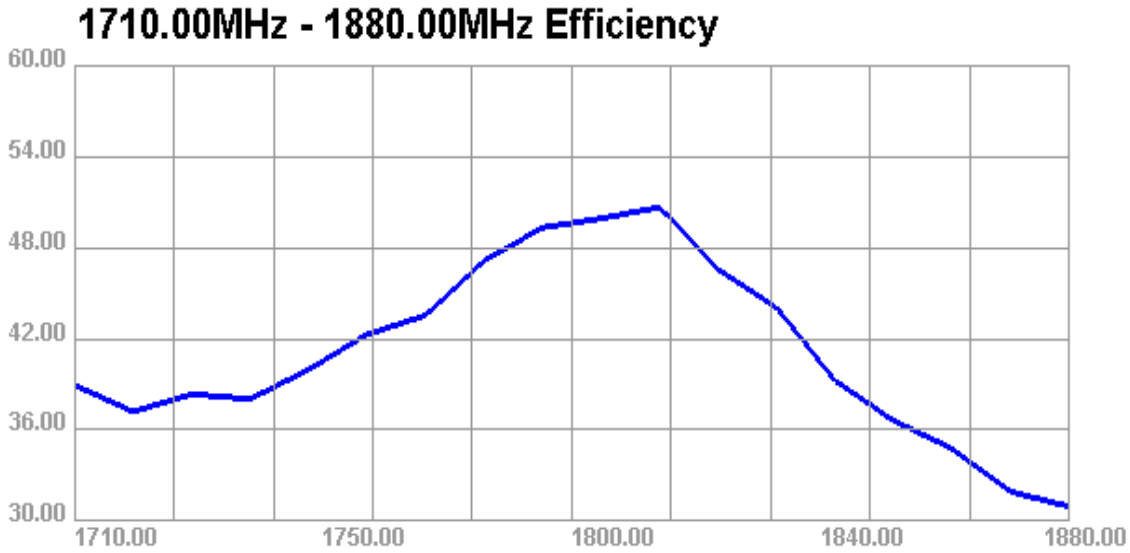


Return Loss

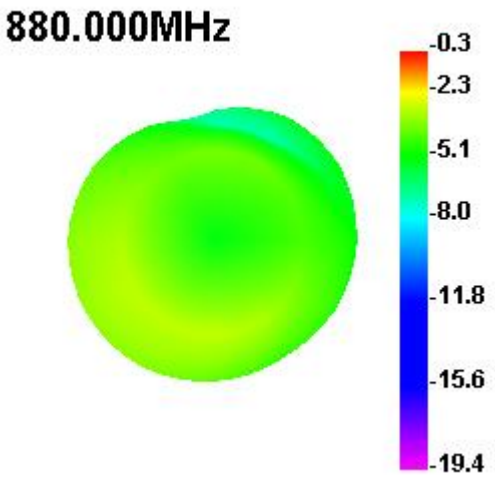

880.00MHz - 960.00MHz Gain
5.00
3.00
1.00
-1.00
-3.00
-5.00
880.00
900.00
920.00
940.00
960.00

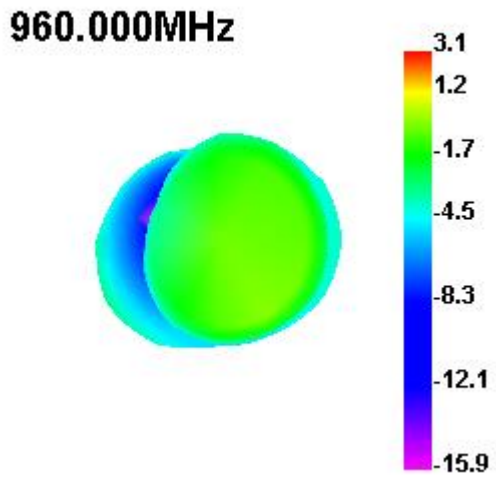

880.00MHz - 960.00MHz Efficiency
60.00
54.00
48.00
42.00
36.00
30.00
880.00
900.00
920.00
940.00
960.00

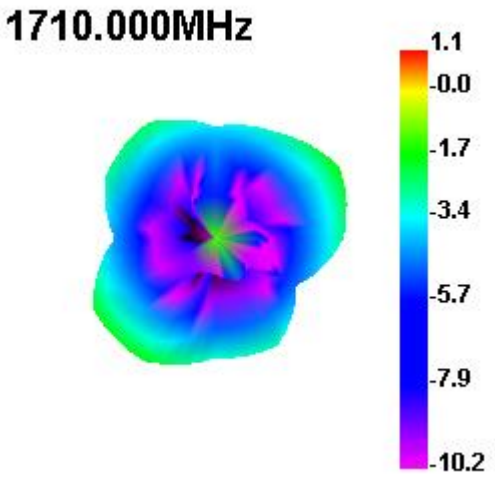

1710.00MHz - 1880.00MHz Gain
5.00
3.00
1.00
-1.00
-3.00
-5.00
1710.00
1750.00
1800.00
1840.00
1880.00

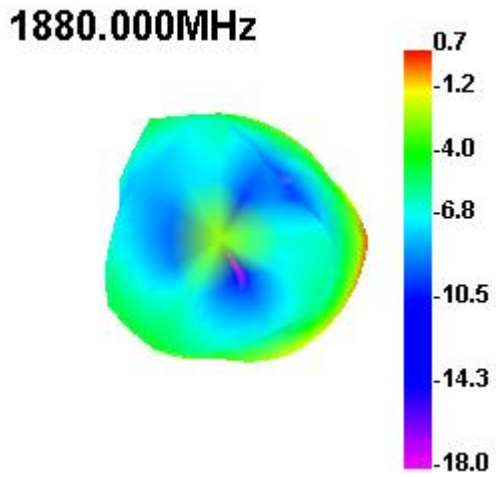

1710.00MHz - 1880.00MHz Efficiency
60.00
54.00
48.00
42.00
36.00
30.00
1710.00
1750.00
1800.00
1840.00
1880.00

Directional pattern

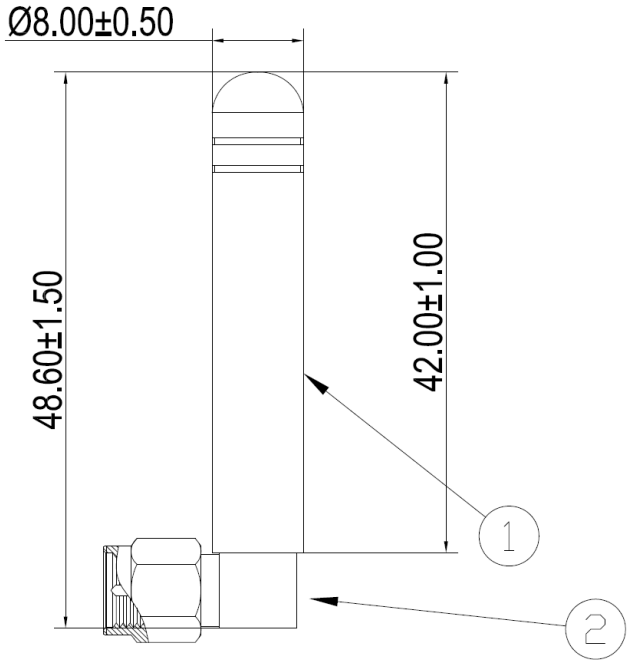








4.Antenna Drawings



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