SWE001-3

PN:SW21057EB78



Sunnyway Technology

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1. Electrical Specifications

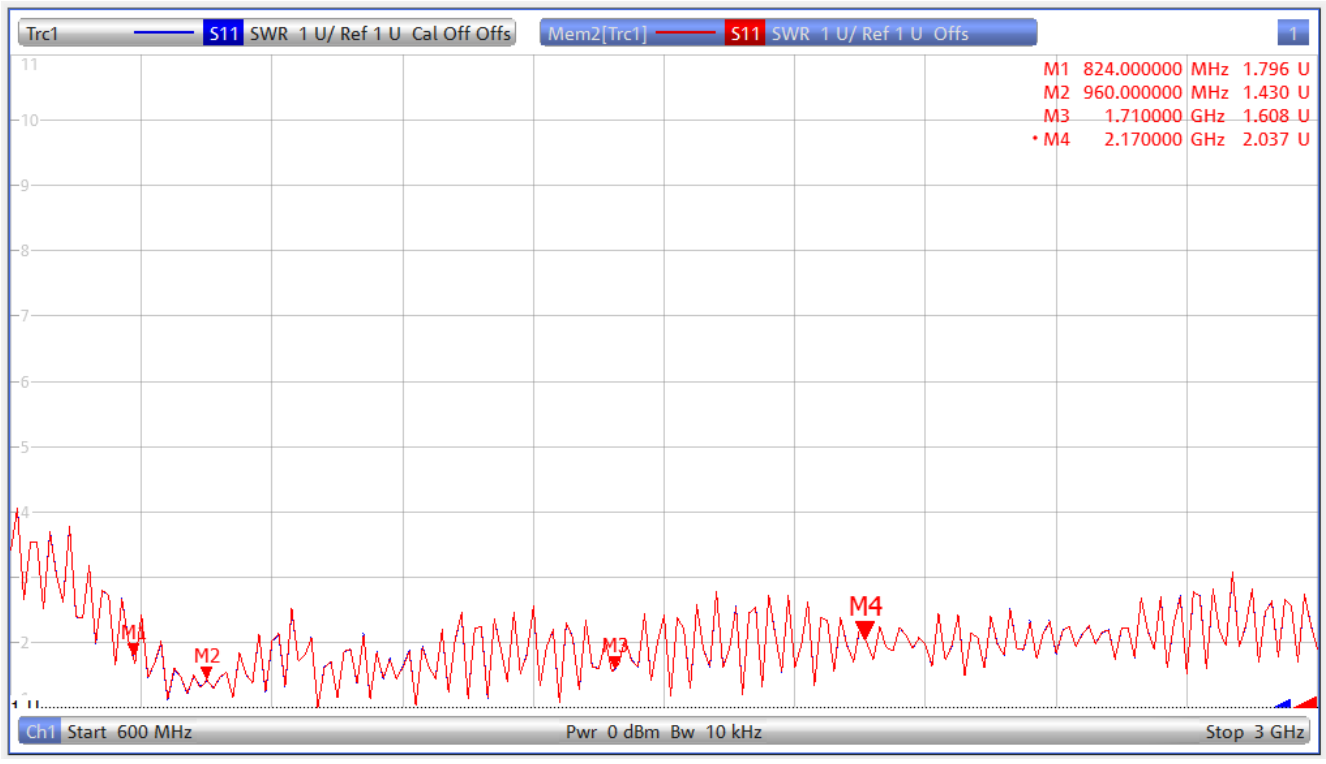
Standards	3G/2G
Frequency range	824~960,1710~2170MHz
Peak Gain(dBi)	-4~-0.5dBi
Average Gain(dBi)	-8~-5dB
Polarization mode	Linear
VSWR	~2
Return Loss	~-9
Efficiency(%)	10~30%
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental

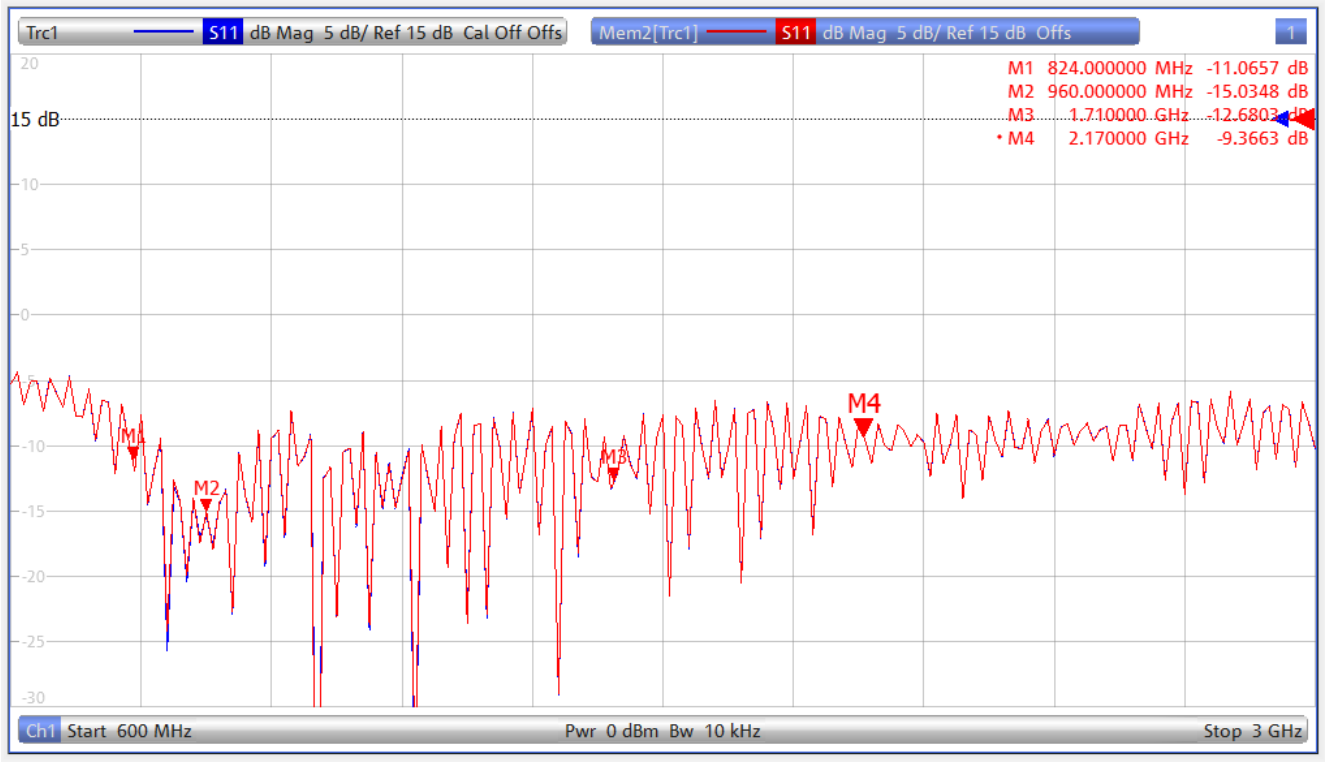
Mounting Type	Connector Mount
Connector Type	SMA (3M)
Antenna size(mm)	308Xφ30
Material	PC
Operating Temperature (˚C)	- 40 ˚C ~ + 85 ˚C
Storage Temperature(˚C)	- 40 ˚C ~ + 85 ˚C

3. Antenna parameters

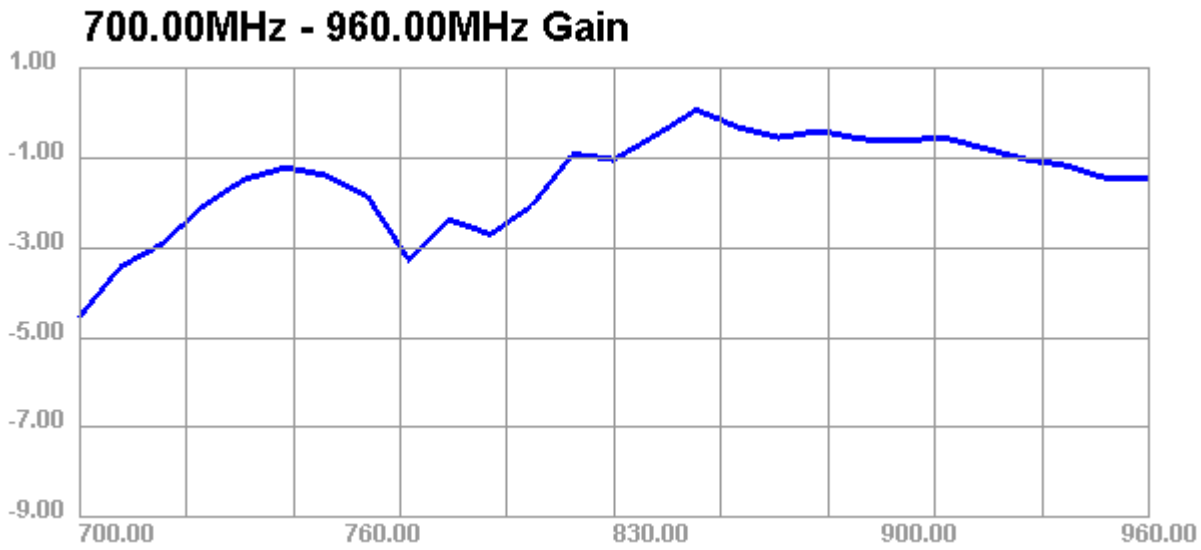
FRE（MHz）	824	960	1710	2170
VSWR	1.79	1.43	1.60	2.03
Return Loss	-11.0	-15.0	-12.6	-9.36
Eff(%)	20.7	16.8	13.19	12.66
PEAK Gain(dBI)	-0.92	-1.47	-2.33	-2.67

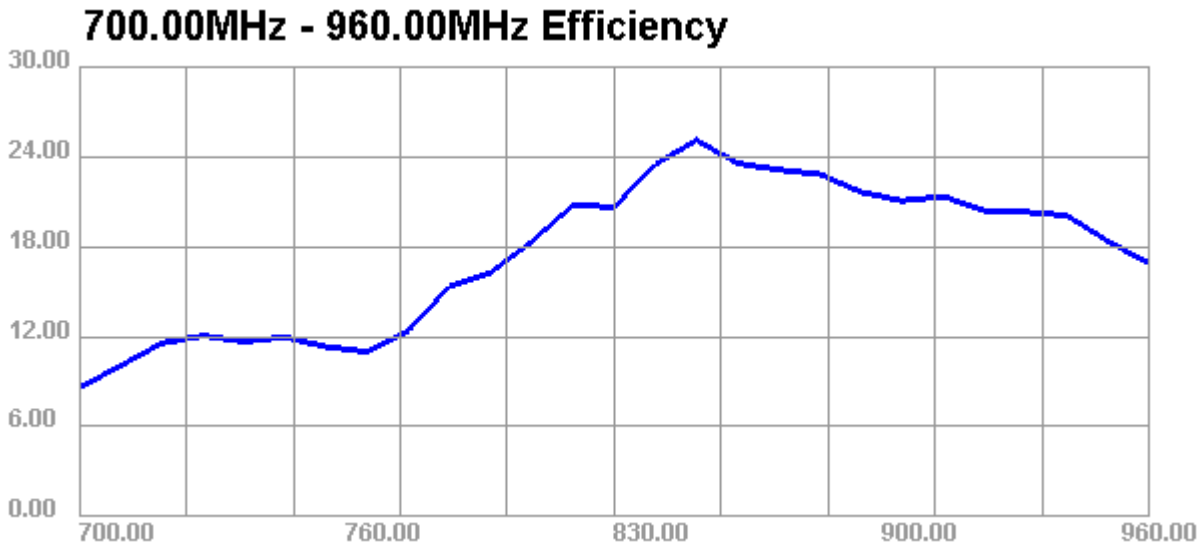


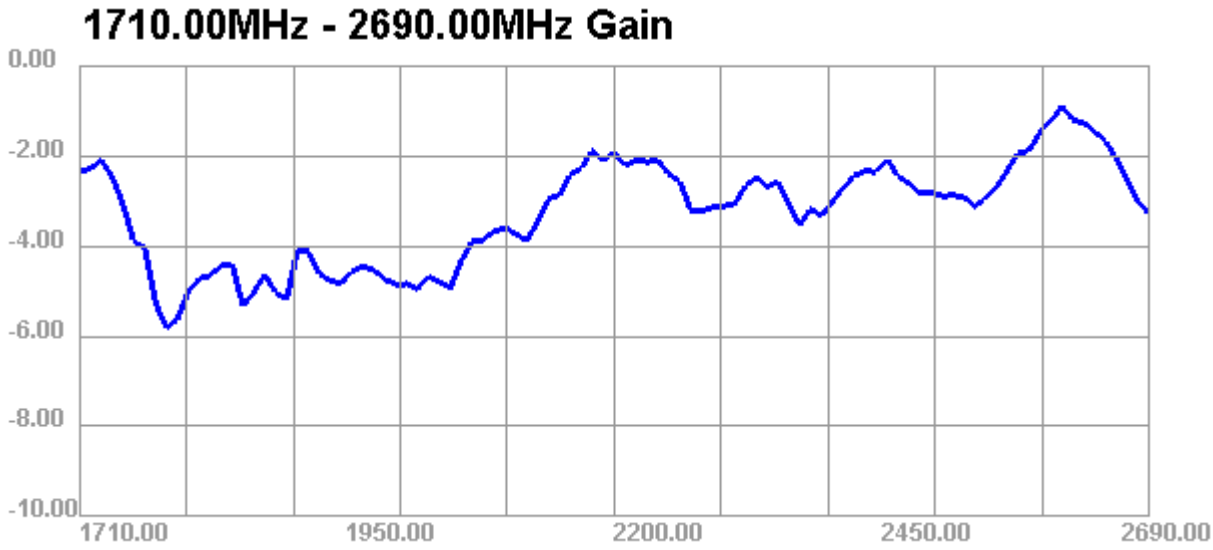
VSWR

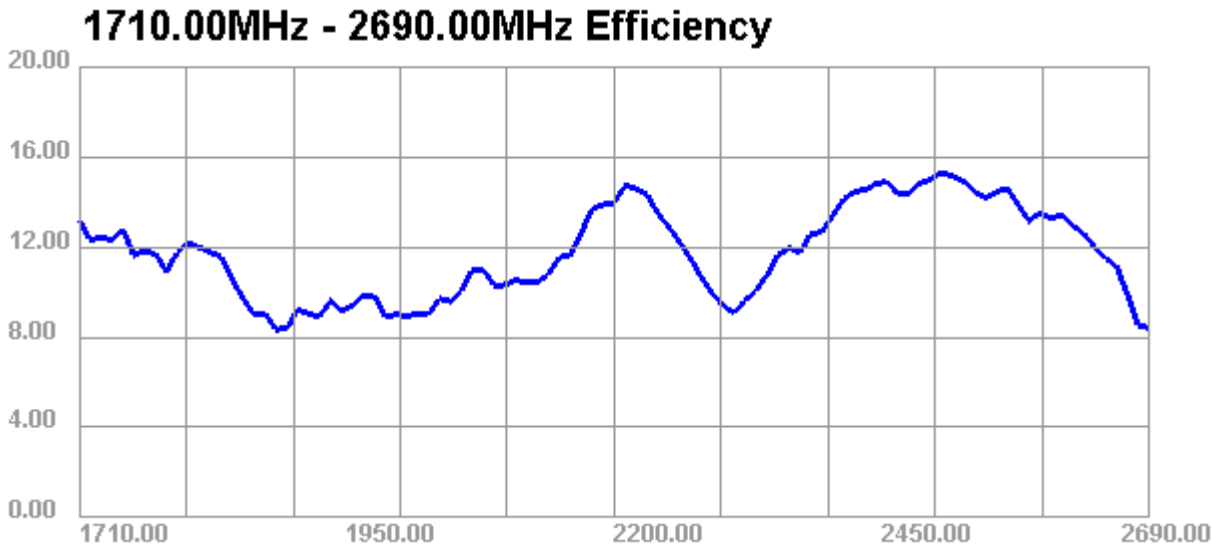


Return Loss

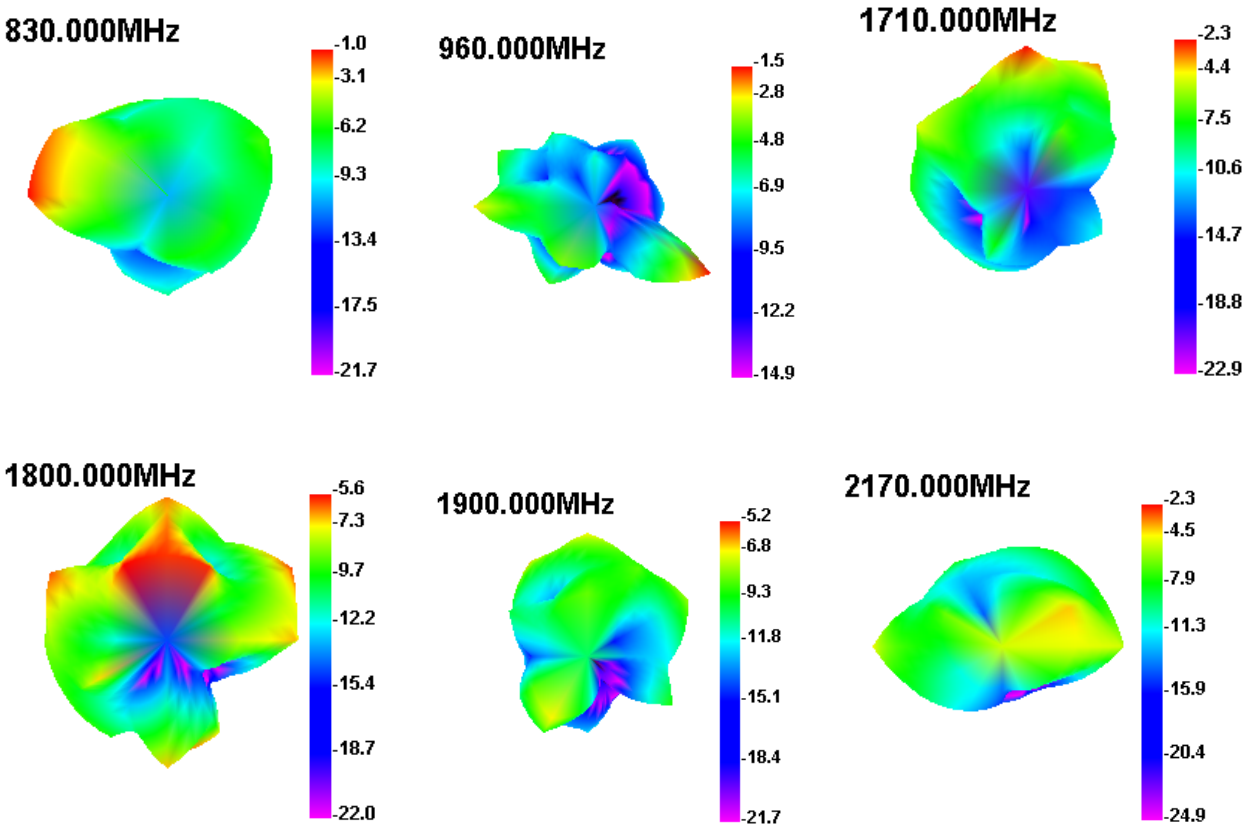



700.00MHz - 960.00MHz Efficiency
30.00
24.00
18.00
12.00
6.00
0.00
700.00
760.00
830.00
900.00
960.00

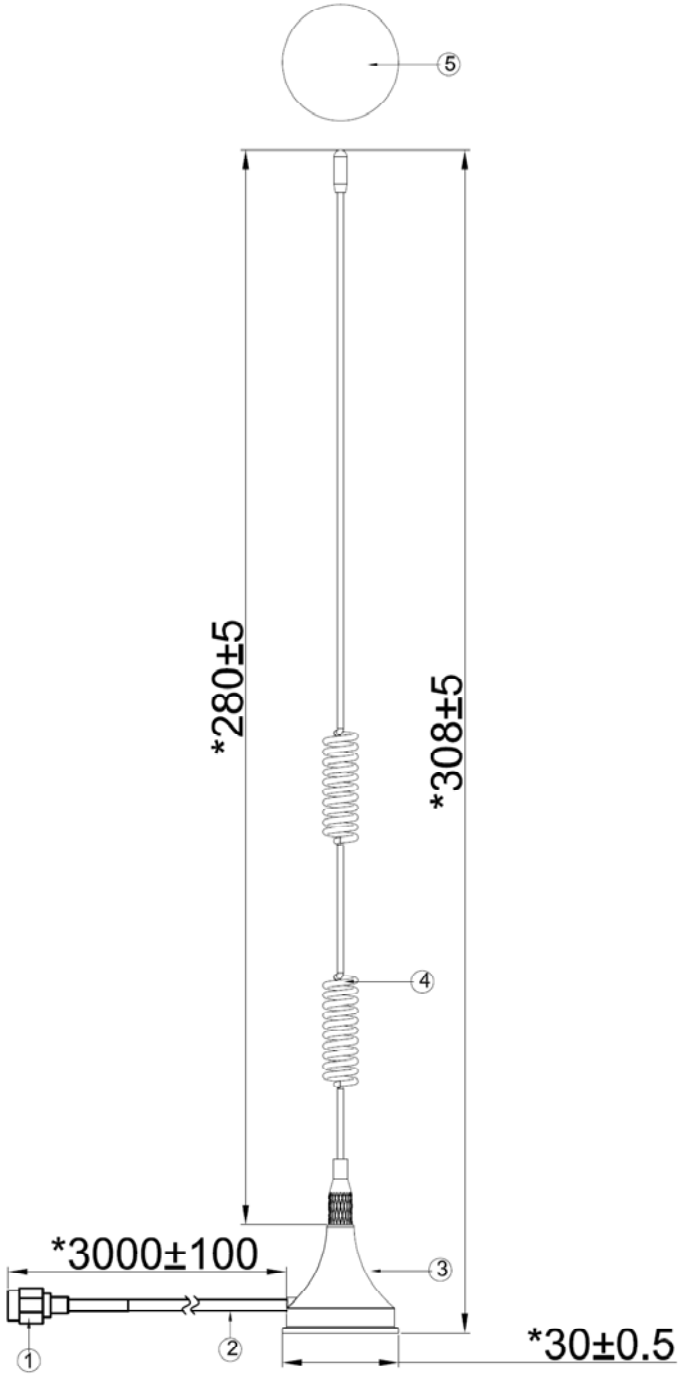

1710.00MHz - 2690.00MHz Gain
0.00
-2.00
-4.00
-6.00
-8.00
-10.00
1710.00
1950.00
2200.00
2450.00
2690.00


1710.00MHz - 2690.00MHz Efficiency
20.00
16.00
12.00
8.00
4.00
0.00
1710.00
1950.00
2200.00
2450.00
2690.00

Directional pattern



4. Antenna Drawings



Series	Component name	Specification	Color	Quantity
5	Stickers	PC	black	1
4	A spring bar	Steel wire electrophoresis	black	1
3	base	φ30.0mm	black	1
2	RG174cable	RG174 cable，3000mm	black	1
1	SMA	SMA-M	gold	1