



SUNNYWAY

# SWE001

PN: SWE001EB78



**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 ( $\Omega$ )	50
Max. Input Power(W)	25

## 2. Mechanical and Environmental

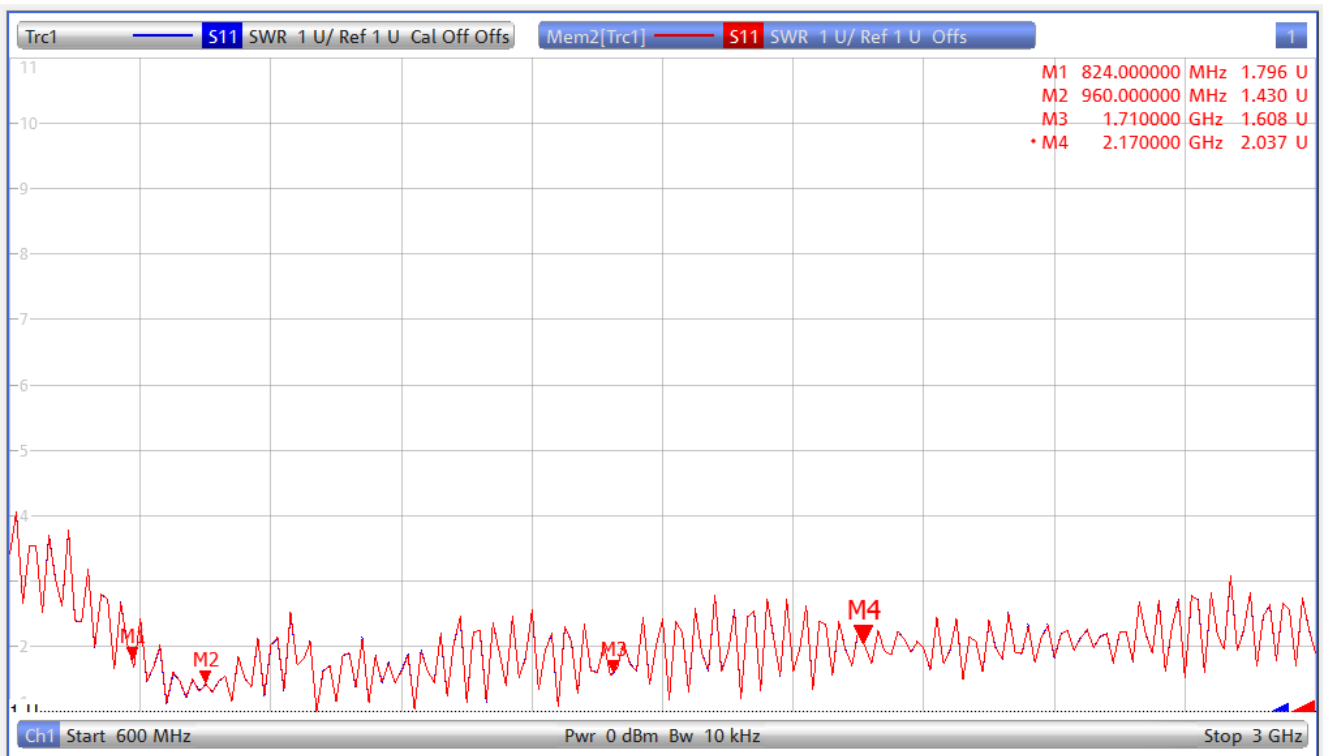
Mounting Type	Connector Mount
Connector Type	SMA (1M)
Antenna size(mm)	308 x $\phi$ 30
Material	ABS+PC
Operating Temperature ( $^{\circ}$ C)	- 40 $^{\circ}$ C ~ + 85 $^{\circ}$ C



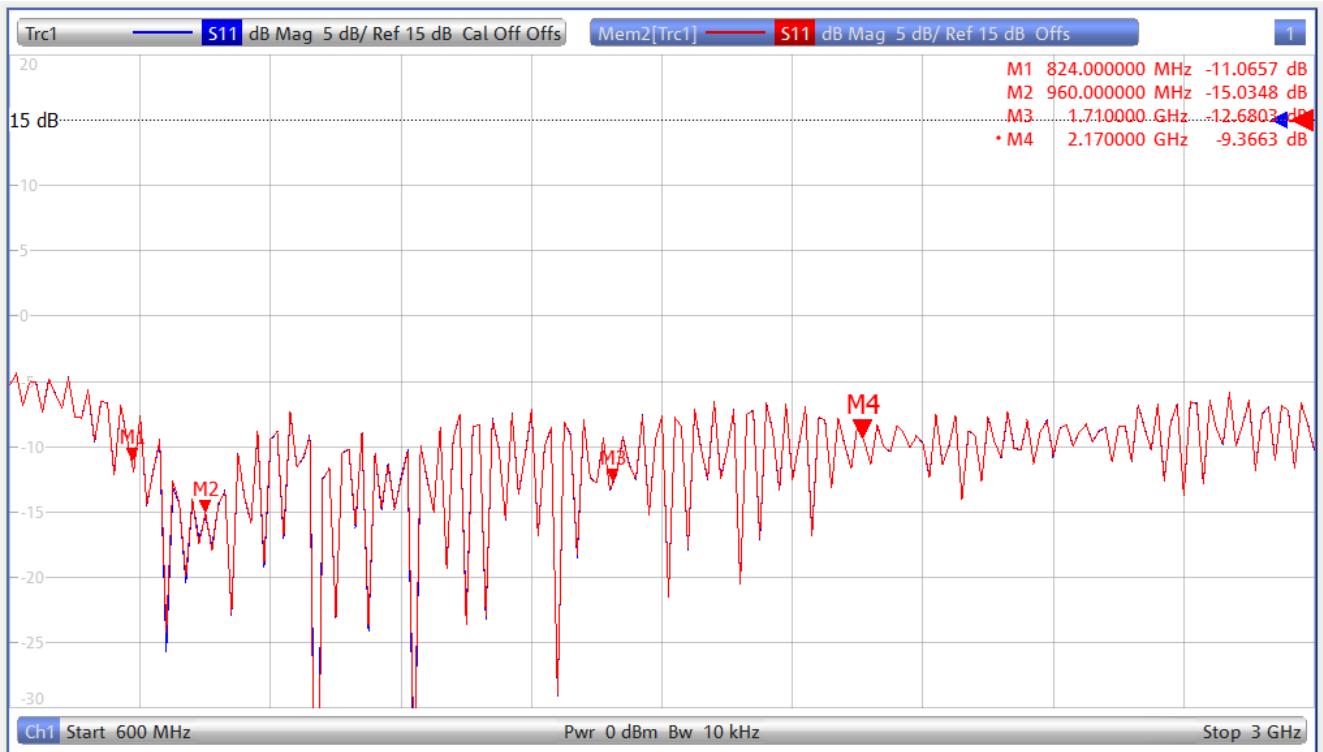
Storage Temperature(°C)	- 40 °C ~ + 85 °C
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### 3. Antenna parameters

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

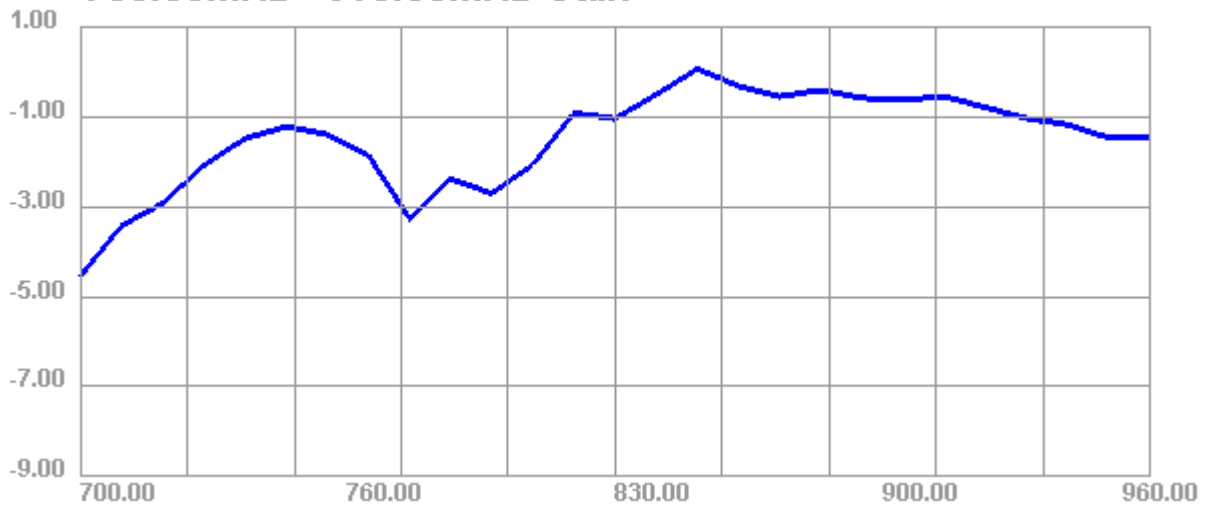


## VSWR

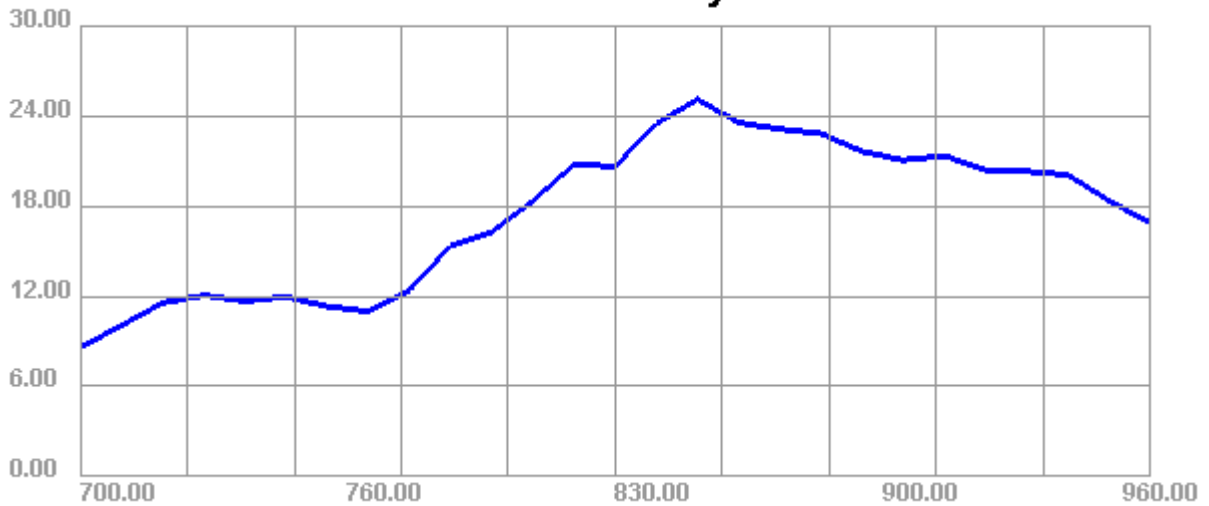


## Return Loss

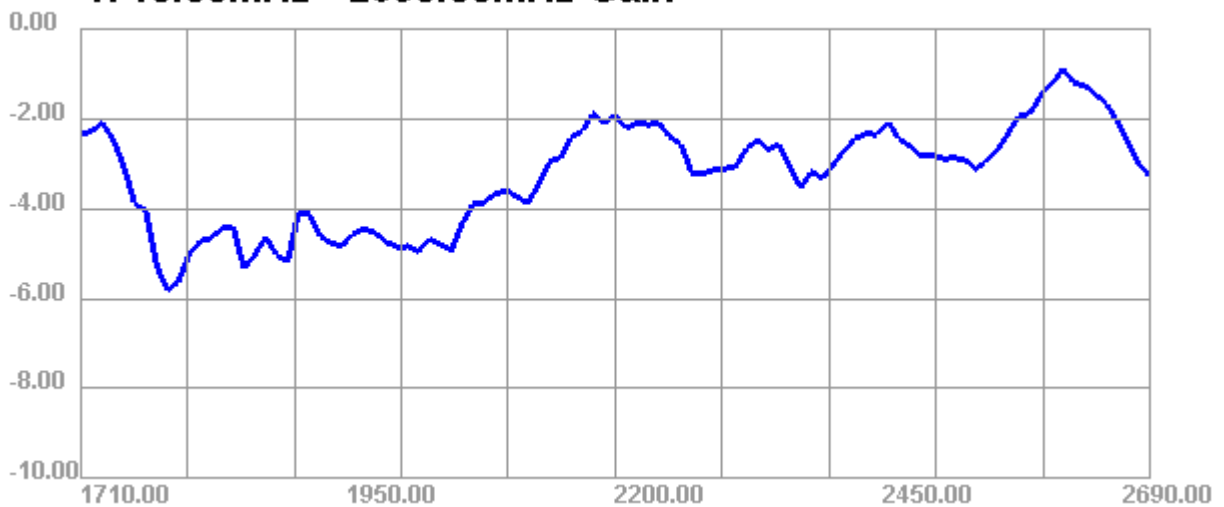
### 700.00MHz - 960.00MHz Gain

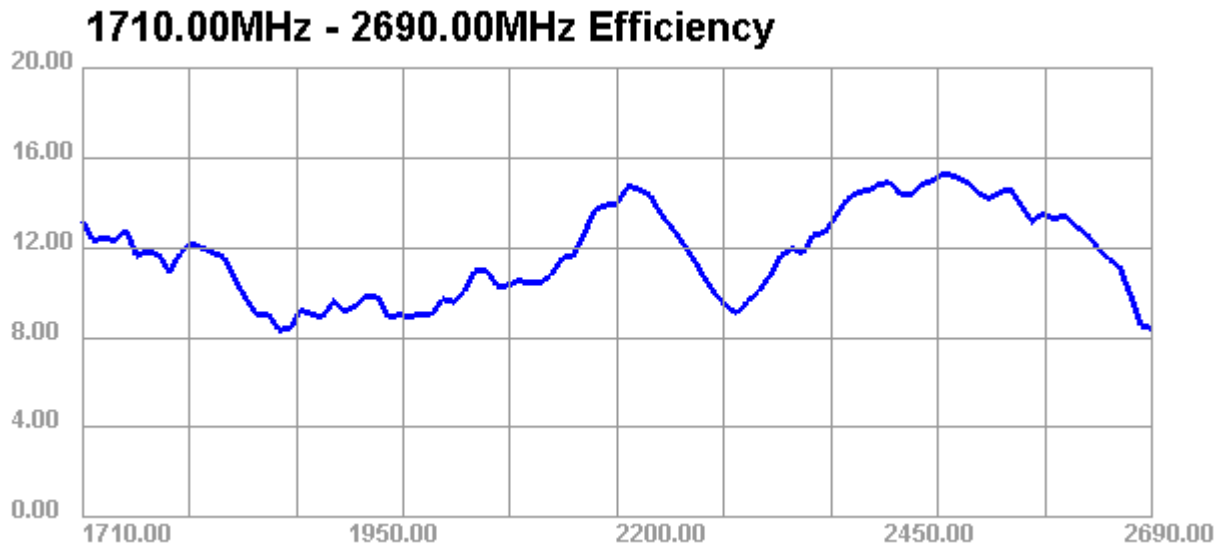


### 700.00MHz - 960.00MHz Efficiency

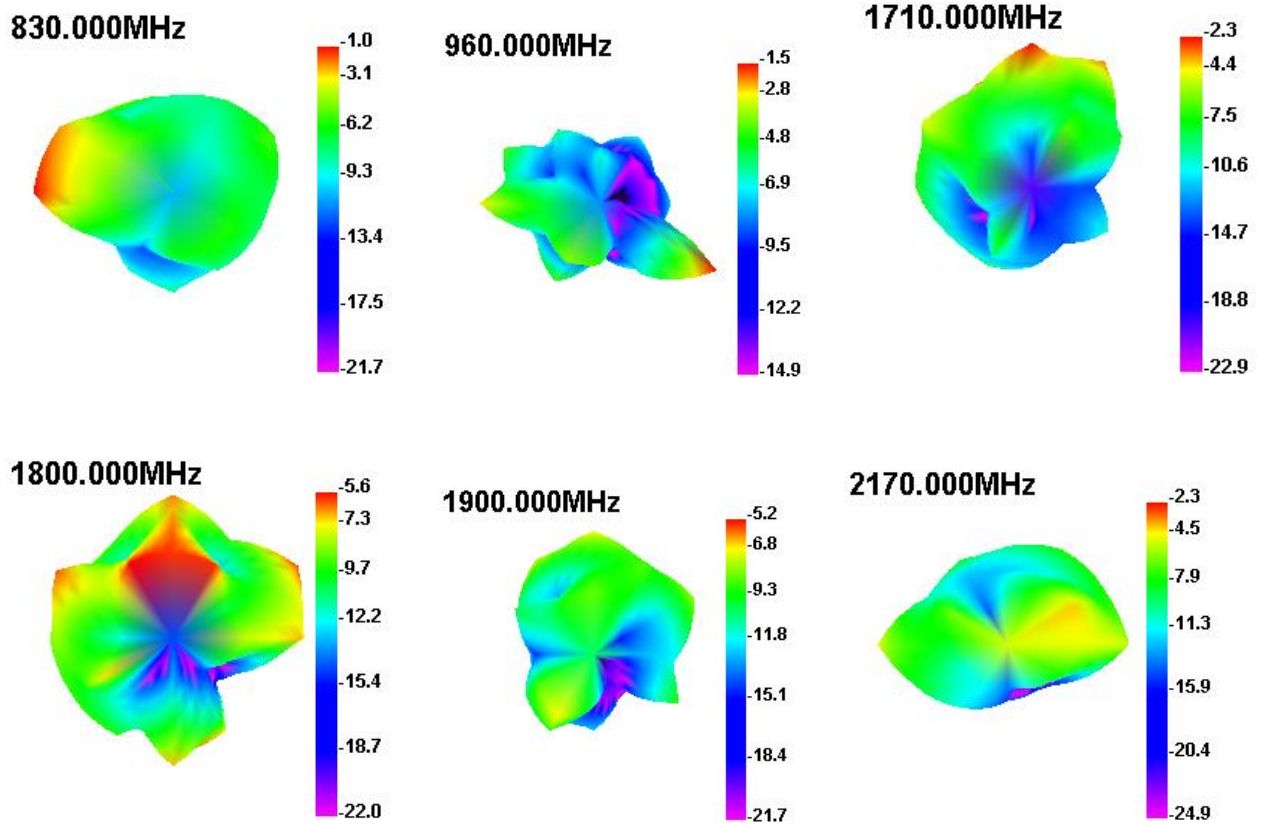


### 1710.00MHz - 2690.00MHz Gain



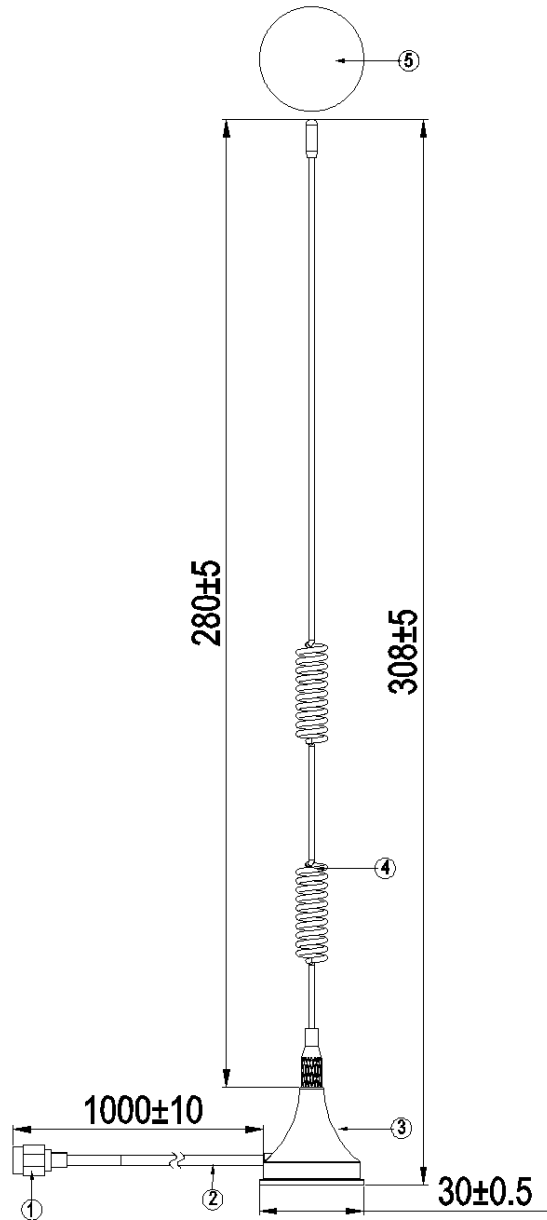


## Directional pattern





# 4. Antenna Drawings



5	Stickers	PC	black	1
4	A spring bar	Steel wire electrophoresis	black	1
3	base	φ30.0mm	black	1
2	RG174cable	RG174 cable, 2150mm	black	1
1	SMA	SMA-J	gold	1
Series	Component name	Specification	Color	Quantity