



**SUNNYWAY**

**SWE026**

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## 1. Electrical Specifications

Frequency range	824-960 MHz	1710-2170 MHz
Peak Gain (dBi)	824-960	-1.1~0.7 dBi
	1710-2170	-1~2.4 dBi
Average Gain (dB)	824-960:	-4.8~2.9 dB
	1710-2170:	-5.2~-2.9 dB
Polarization mode	Linear	
VSWR	< 3	
Return Loss	< -7	
Efficiency(%)	824-960:	32~51%
	1710-2170:	30~51%
Radiation pattern	Omni-Directional	
Output impedance ( $\Omega$ )	50	
Max. Input Power(W)	25	

## 2. Mechanical and Environmental Specification

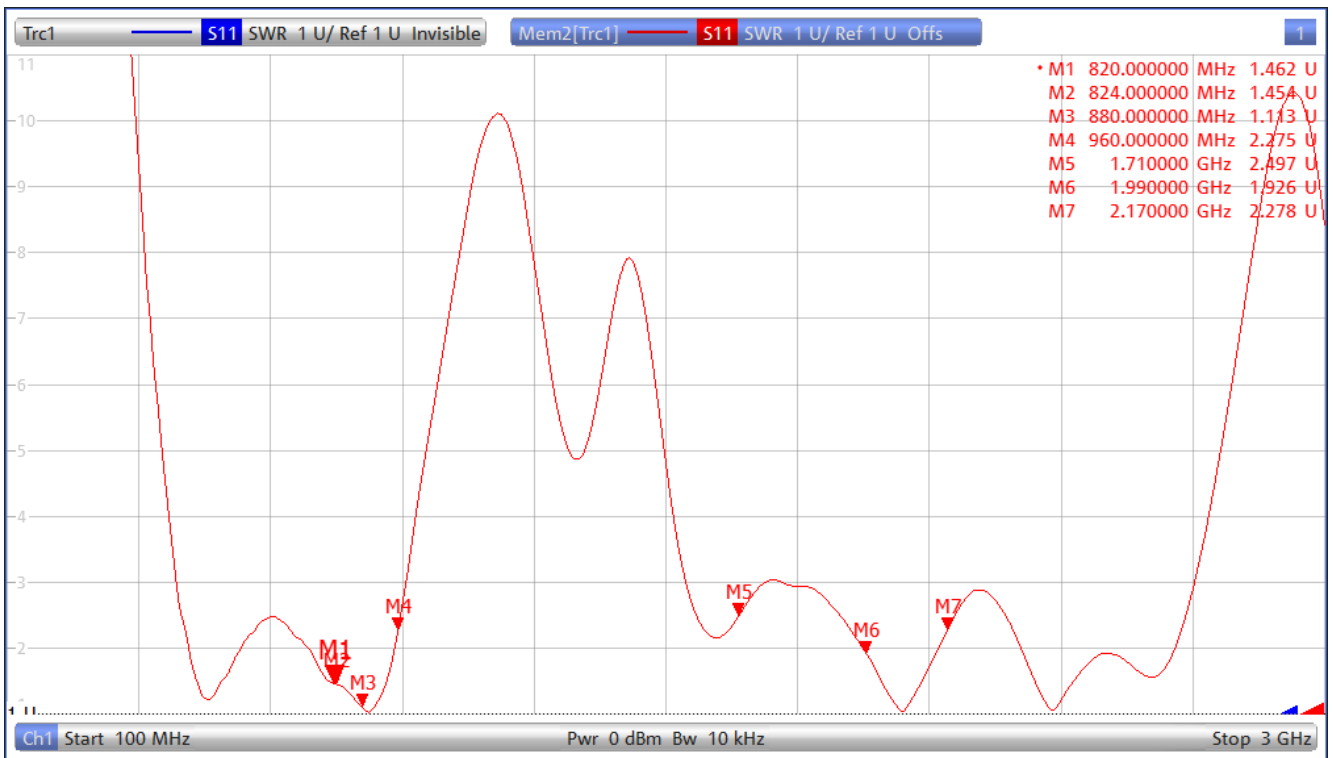
Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	109mm* $\phi$ 10mm



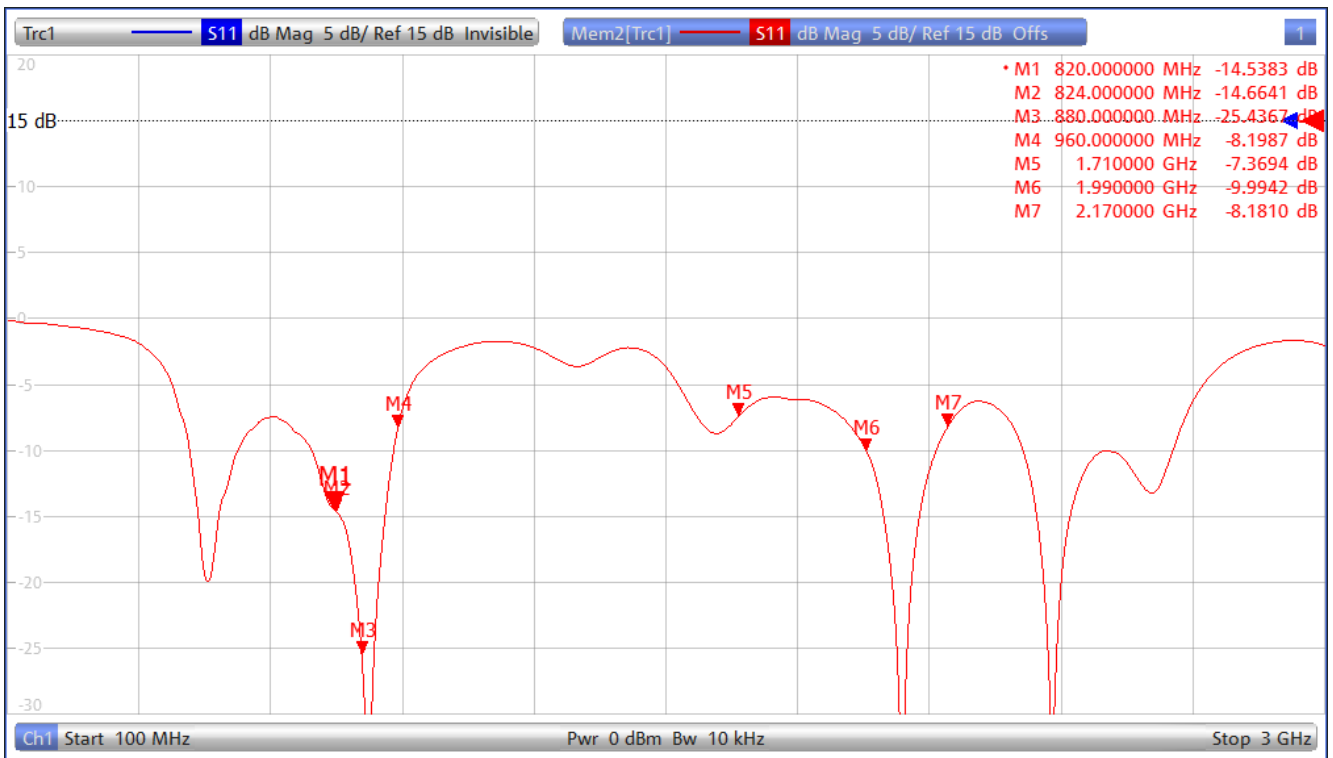
Material	ABS
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

### 3. Antenna parameters

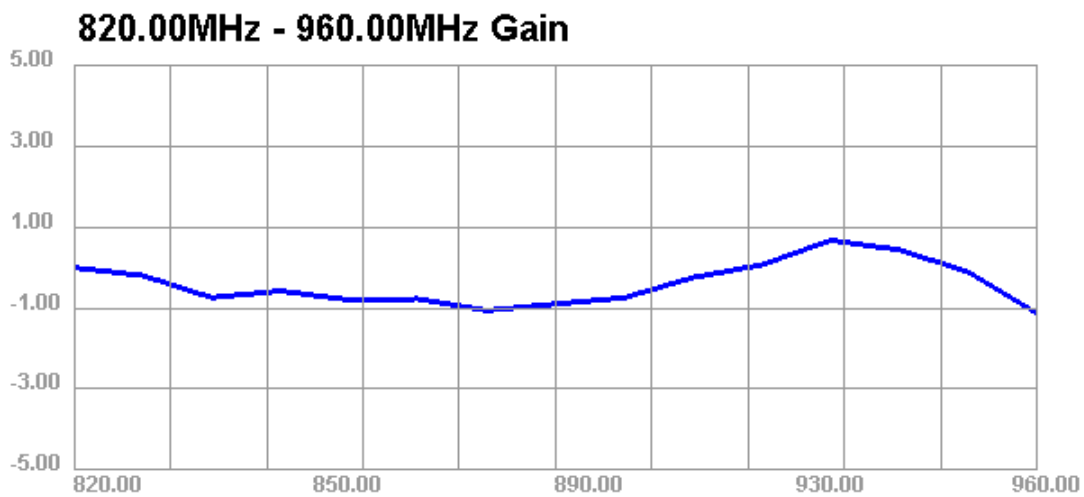
FRE (MHz)	820	880	960	1710	1990	2170
VSWR	1.4	1.1	2.2	2.4	1.9	2.2
Return Loss	-14.5	-25.4	-8.1	-7.3	-9.9	-8.1
Eff(%)	51.3	37.1	32.5	30.2	49.3	34.2
Average Gain(dB)	-2.9	-4.3	-4.8	-5.2	-3.1	-4.6



## VSWR

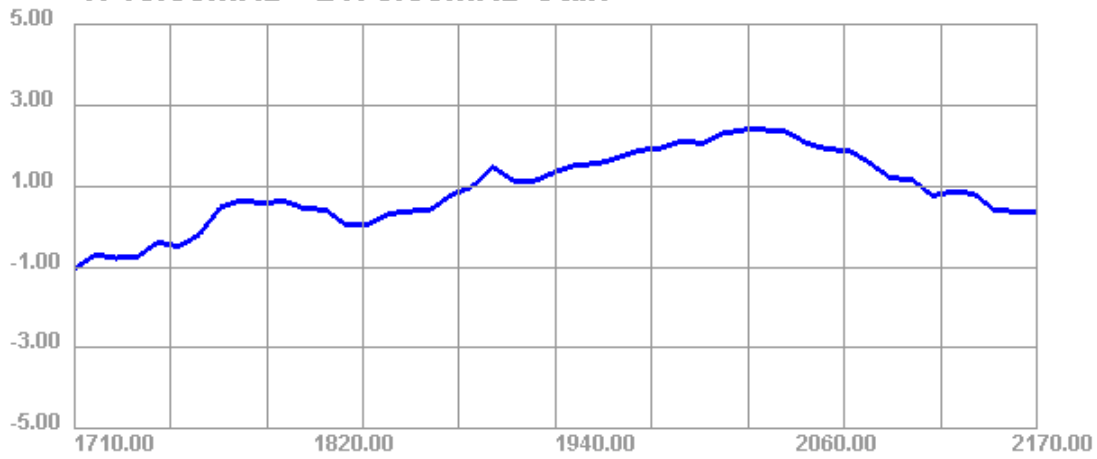


## Return Loss

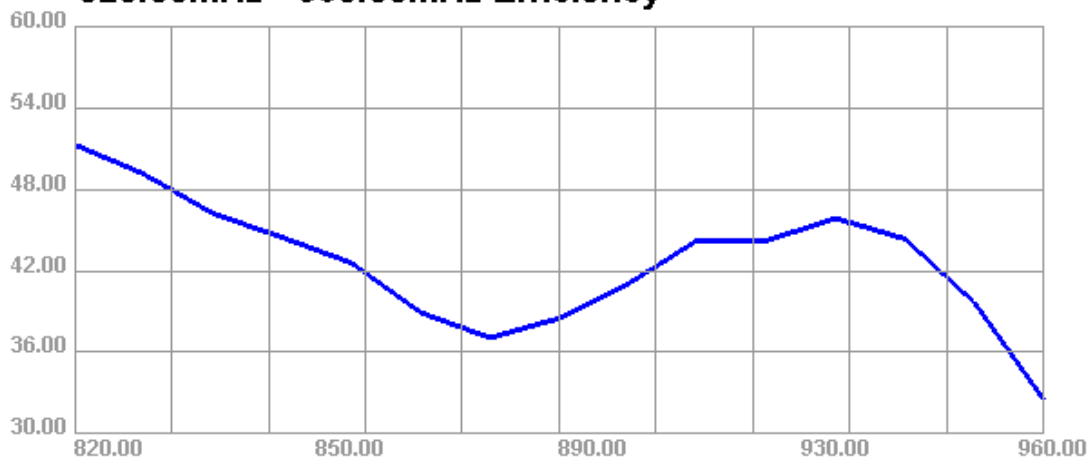




### 1710.00MHz - 2170.00MHz Gain



### 820.00MHz - 960.00MHz Efficiency

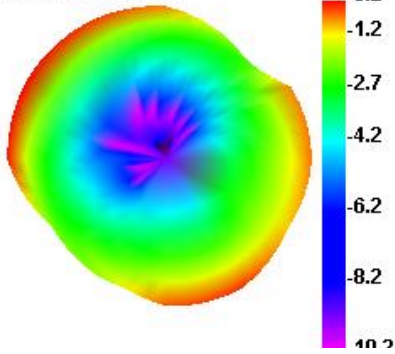


### 1710.00MHz - 2170.00MHz Efficiency

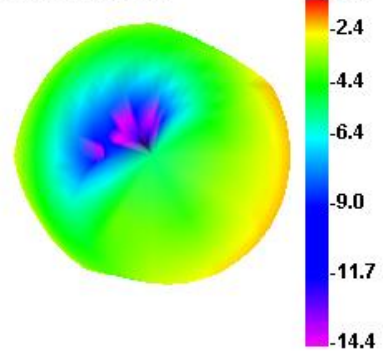


# Directional pattern

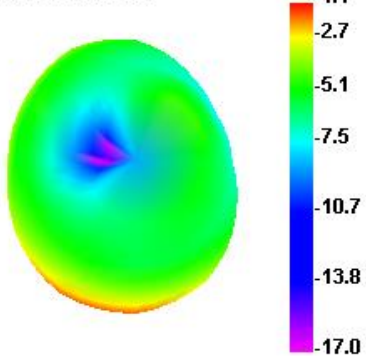
**830.000MHz**



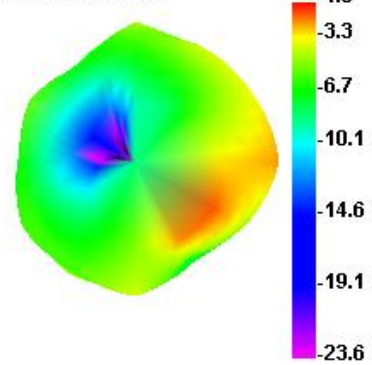
**880.000MHz**



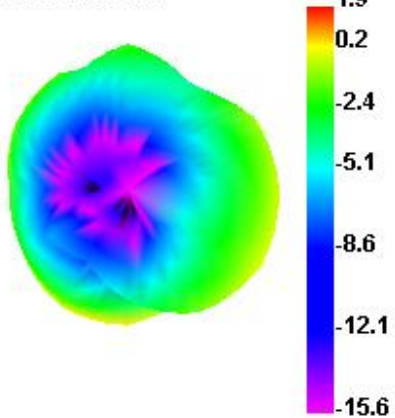
**960.000MHz**



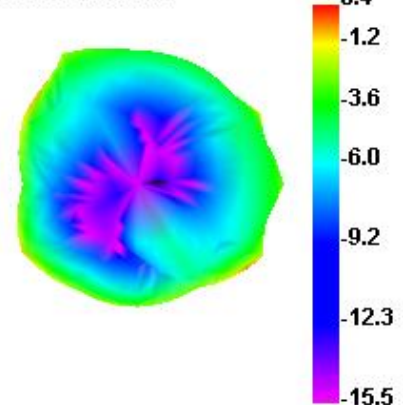
**1710.000MHz**



**1990.000MHz**

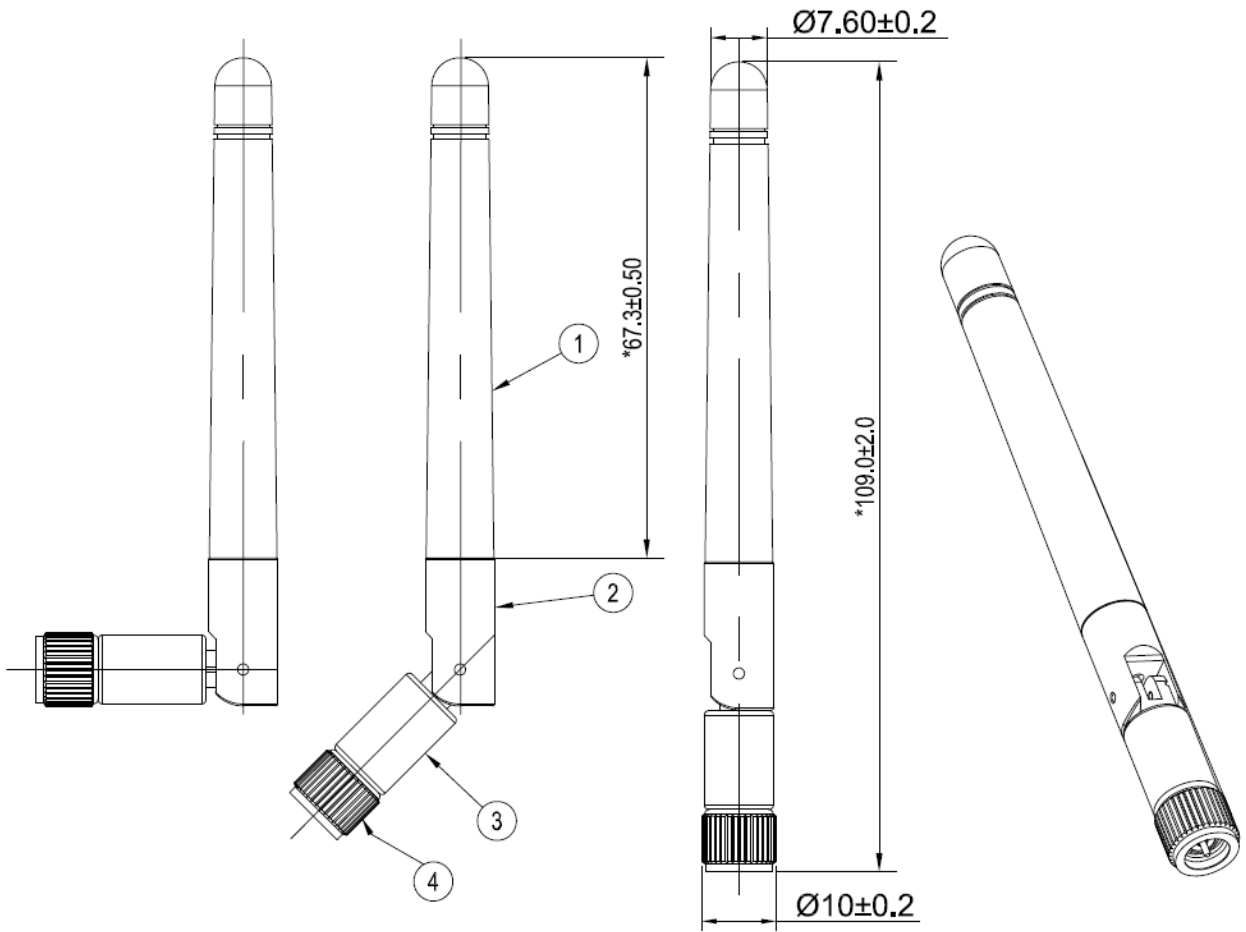


**2170.000MHz**





# 4. Antenna Drawings



4	SMA	SMA-J	black	1
3	Lower Firmware	ABS	black	1
2	Upper firmware	ABS	black	1
1	noumenon	ABS	black	1
Series	Component name	Specification	Color	Quantity