



**SUNNYWAY**

# **SWP005**

**PN: SW19005IG97**



**Sunnyway Technology**

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## 1. Electrical Specifications

Standards	3G/2G
Frequency range	824~960,1710~1990mhz
Peak Gain(dBi)	0~2dBi
Average Gain(dBi)	-4~-5dB
Polarization mode	Linear
VSWR	~2-5
Return Loss	~-3-6dB
Efficiency(%)	30%
Radiation pattern	Omni-Directional
Output impedance ( $\Omega$ )	50
Max. Input Power(W)	25

## 2. Mechanical and Environmental Specification

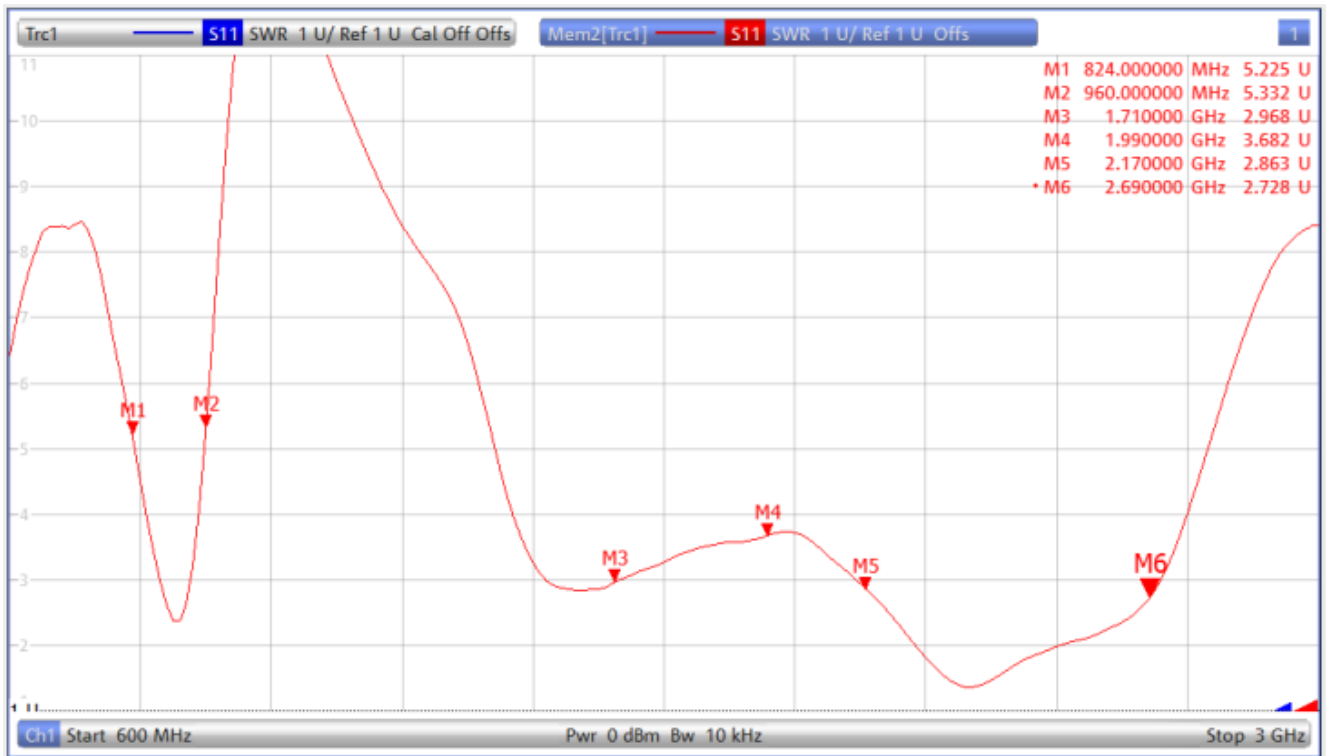
Mounting Type	Adhesive
Adhesive Type	3M9448A
Connector Type	U.FL Standard
Antenna size(mm)	47.0mm (L) x 5.0mm (W) x1.2mm (H)
Material	PCB



Cable length(mm)	101mm
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

### 3. Antenna parameters

FRE (MHz)	824	960	1710	1990
VSWR	5.2	5.3	2.9	3.6
Return Loss	-3.3	-3.2	-6.0	-4.8
Eff (%)	20.3	27.1	33.6	35.7
AVE Gain(dBi)	-6.86	-5.68	-4.72	-4.46

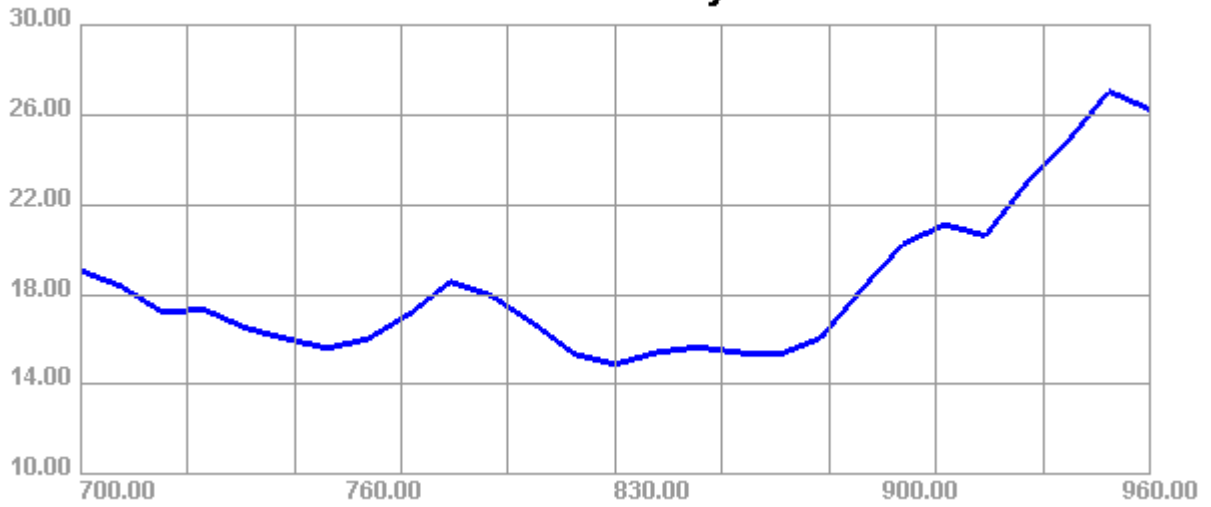


## VSWR



## Return Loss

### 700.00MHz - 960.00MHz Efficiency

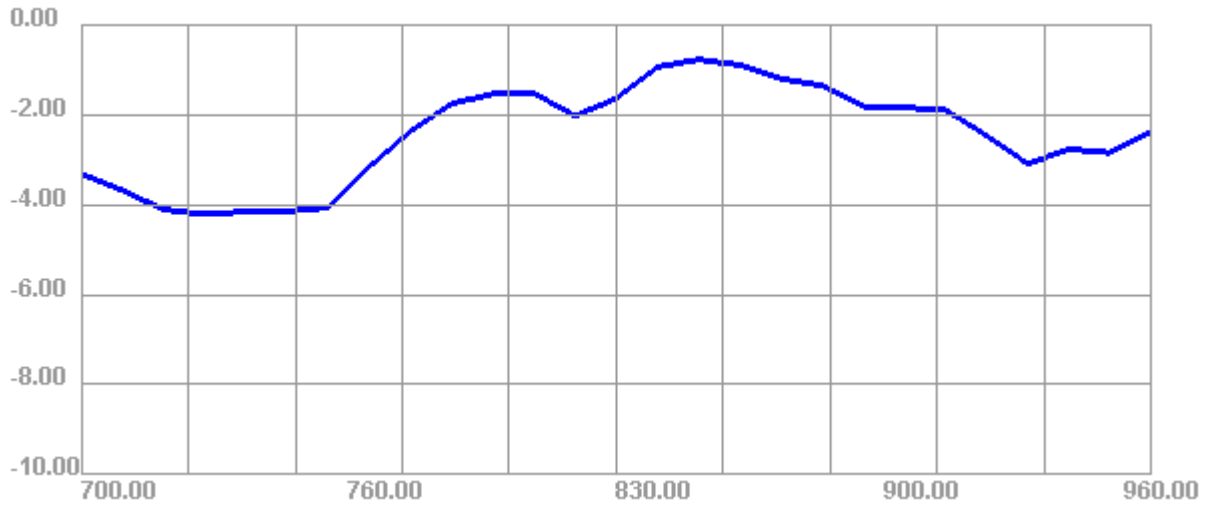


### 1710.00MHz - 2690.00MHz Efficiency

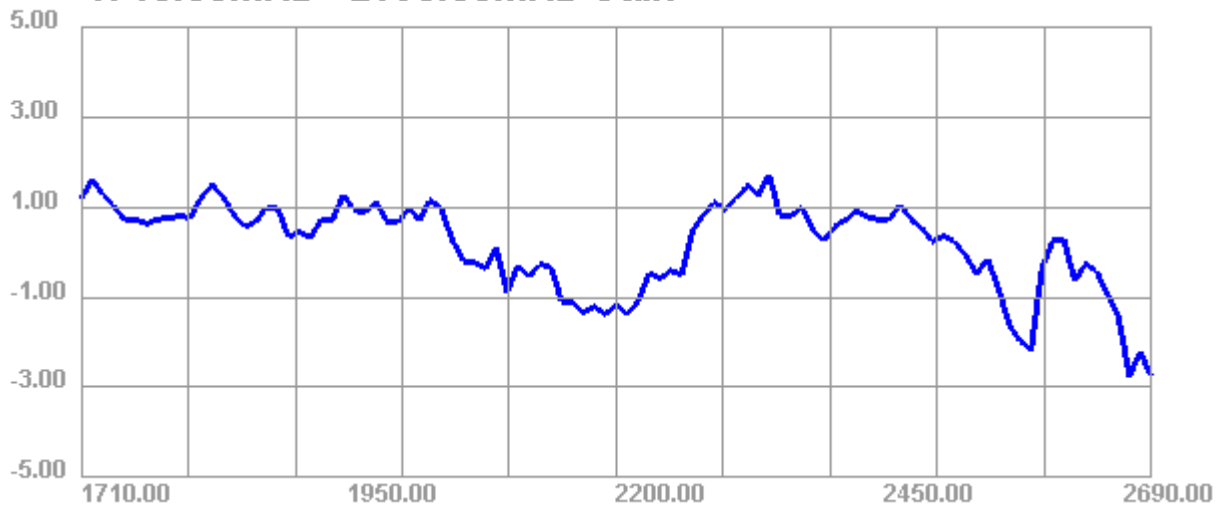




### 700.00MHz - 960.00MHz Gain

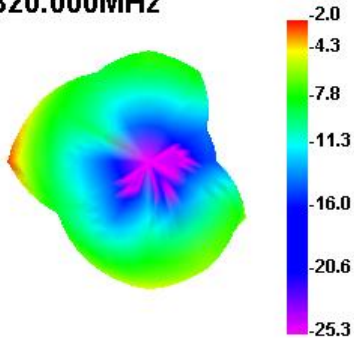


### 1710.00MHz - 2690.00MHz Gain

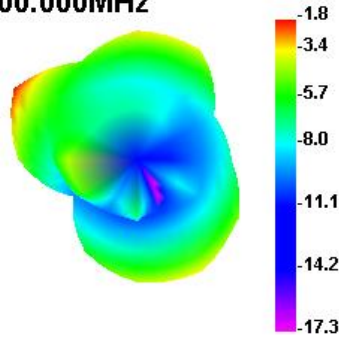


# Directional pattern

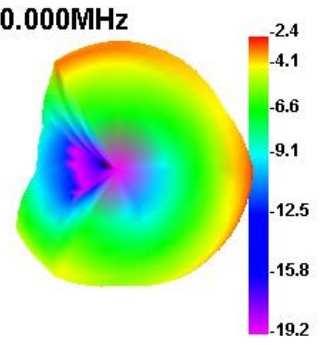
820.000MHz



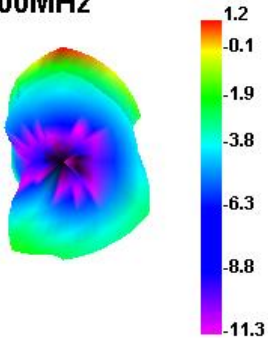
900.000MHz



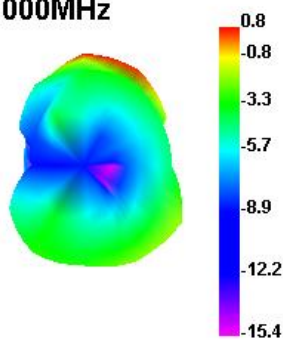
960.000MHz



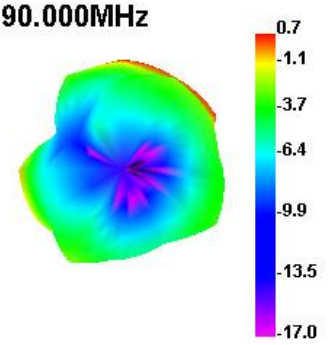
1710.000MHz



1800.000MHz



1990.000MHz





# 4. Antenna Drawings

