



**SUNNYWAY**

**SWE029**

**PN: SW19077EB56**



**Sunnyway Technology**

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## 1. Electrical Specifications

Frequency range	880-960MHz	1710-1880MHz
Peak Gain(dBi) (min,max)	-0.86~3.09dB	0.71~3.36dB
Average Gain(dBi) (min,max)	-4.51~-2.58db	-2.95~-5.09db
Polarization mode	Linear	Linear
VSWR	<3.5	<3.5
Return Loss	<-5.1	<-5
Efficiency%(min,max)	35.4-55.23%	30.97-50.67%
Radiation pattern	Omni-Directional	Omni-Directional
Output impedance ( $\Omega$ )	50	50
Max. Input Power(W)	25	25

## 2. Mechanical and Environmental Specification

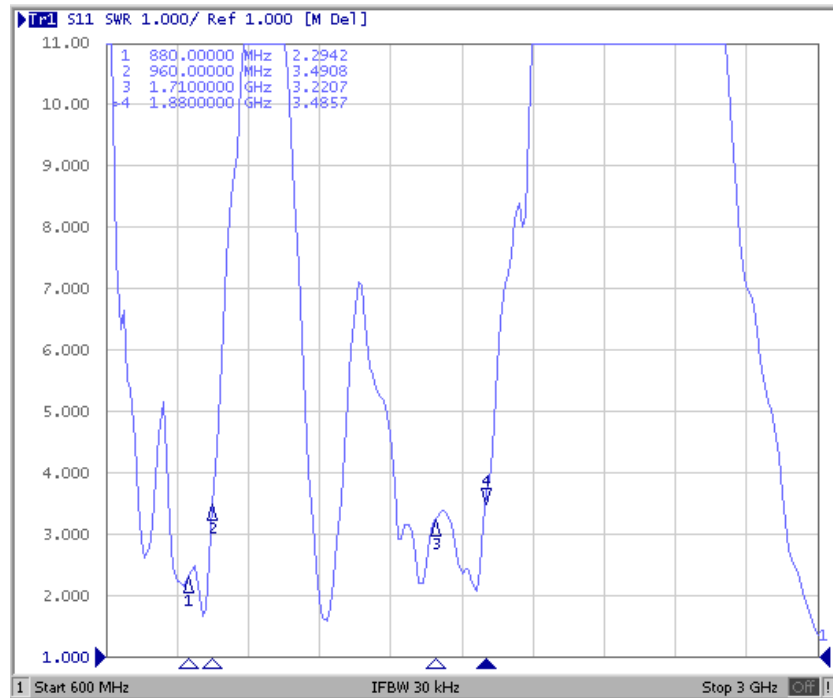
Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	48.6X $\phi$ 8mm
Material	ABS
Operating Temperature ( $^{\circ}$ C)	- 40 $^{\circ}$ C ~ + 85 $^{\circ}$ C
Storage Temperature( $^{\circ}$ C)	- 40 $^{\circ}$ C ~ + 85 $^{\circ}$ C



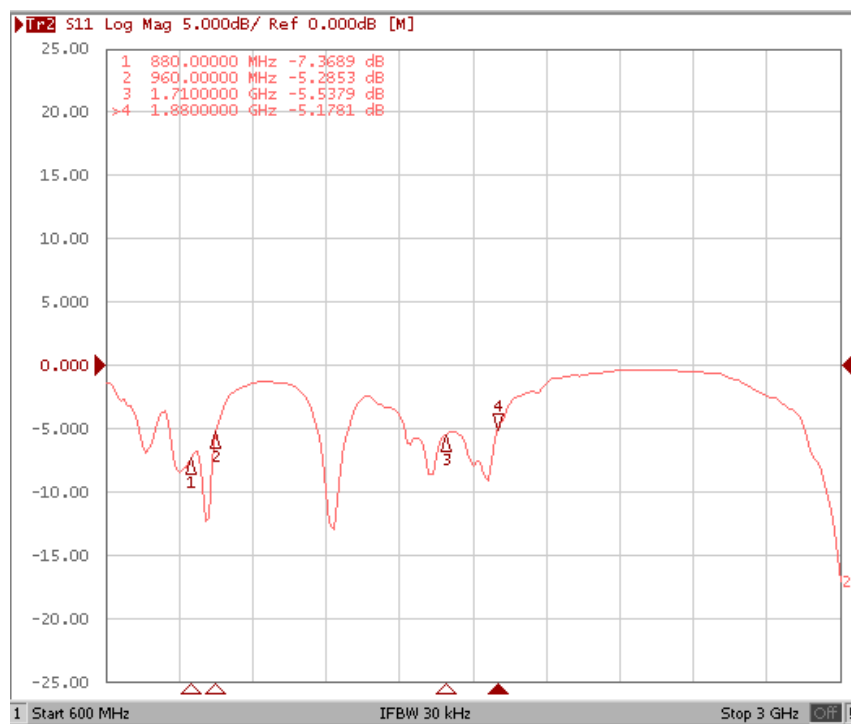
### 3. Antenna parameters

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	51.72	38.96	30.97
Average Gain(dB)	-4.51	-2.86	-4.09	-5.09

# VSWR

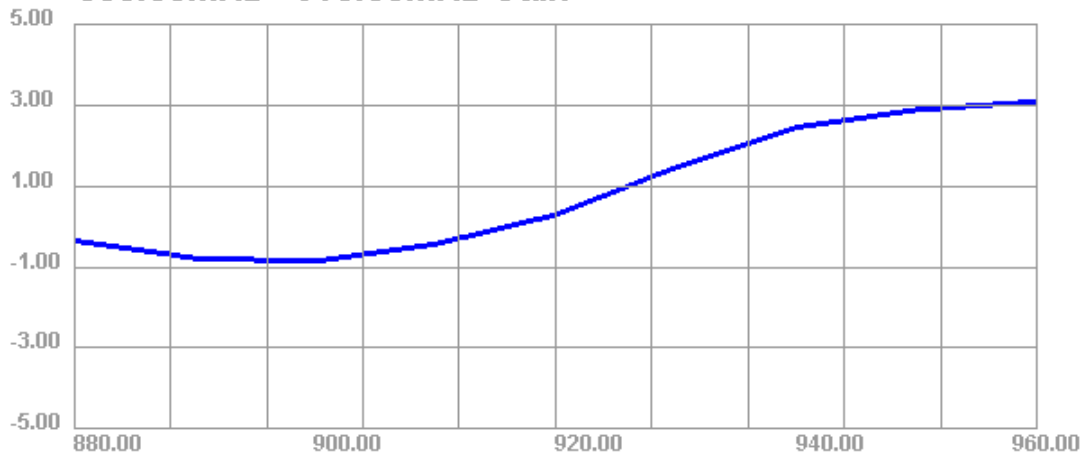


# Return Loss

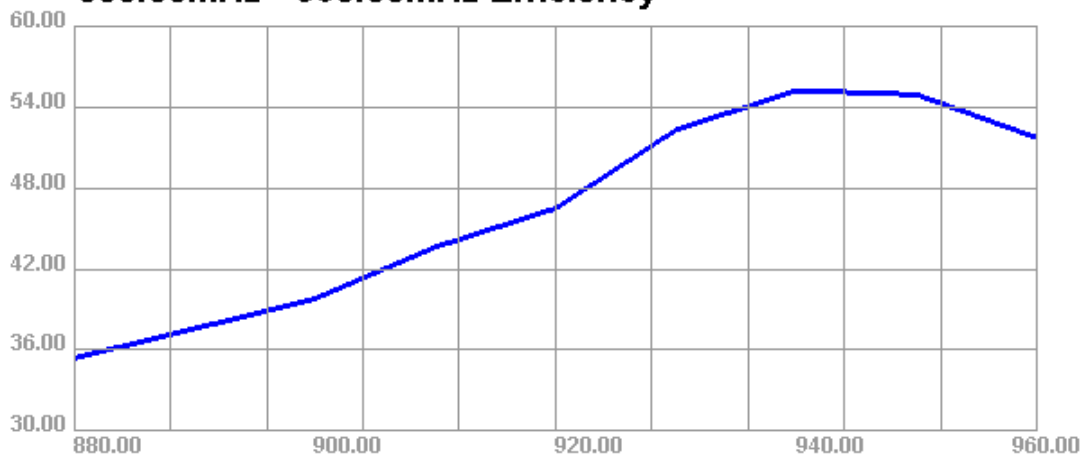




### 880.00MHz - 960.00MHz Gain

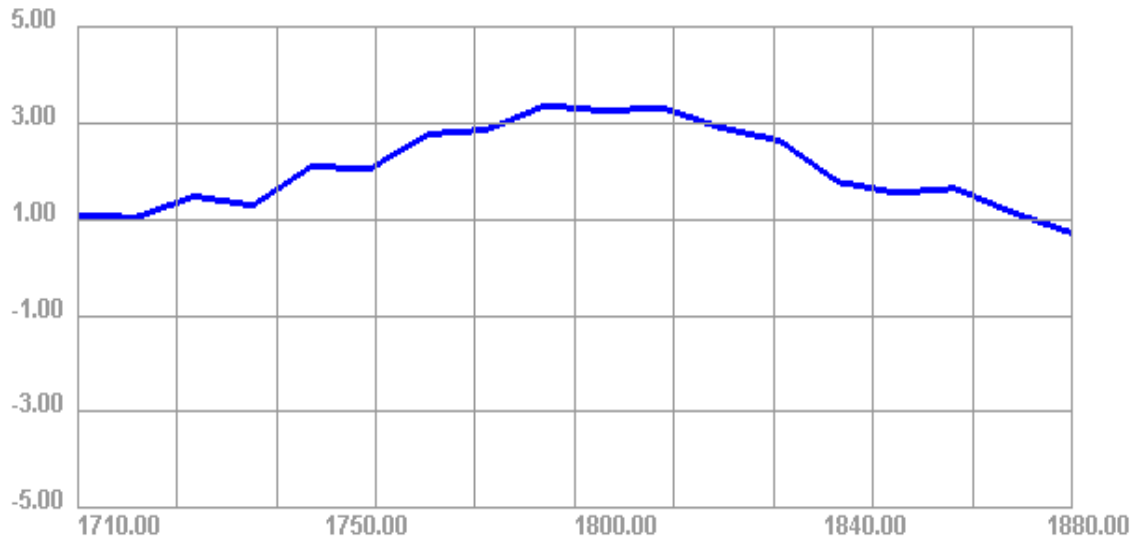


### 880.00MHz - 960.00MHz Efficiency

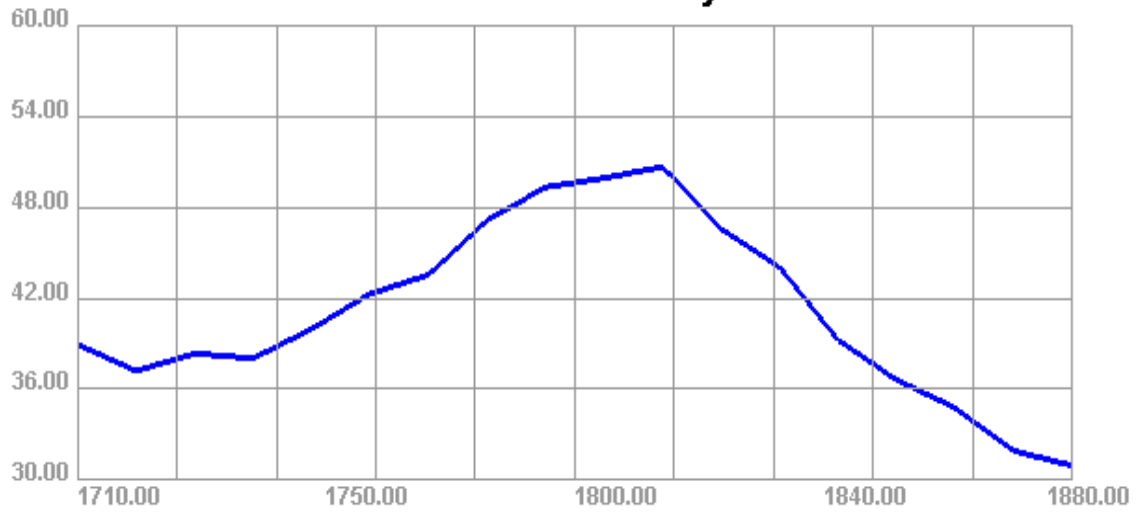




### 1710.00MHz - 1880.00MHz Gain



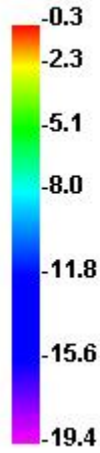
### 1710.00MHz - 1880.00MHz Efficiency



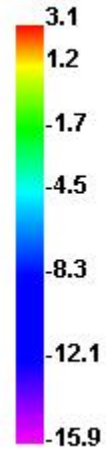
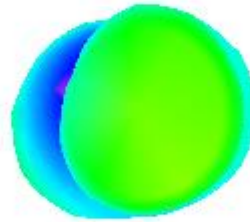


# Directional pattern

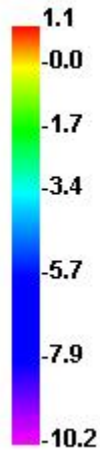
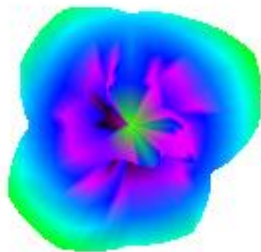
**880.000MHz**



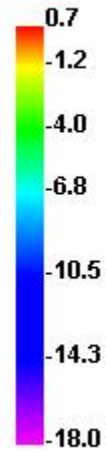
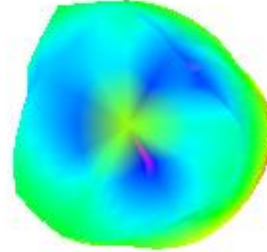
**960.000MHz**



**1710.000MHz**

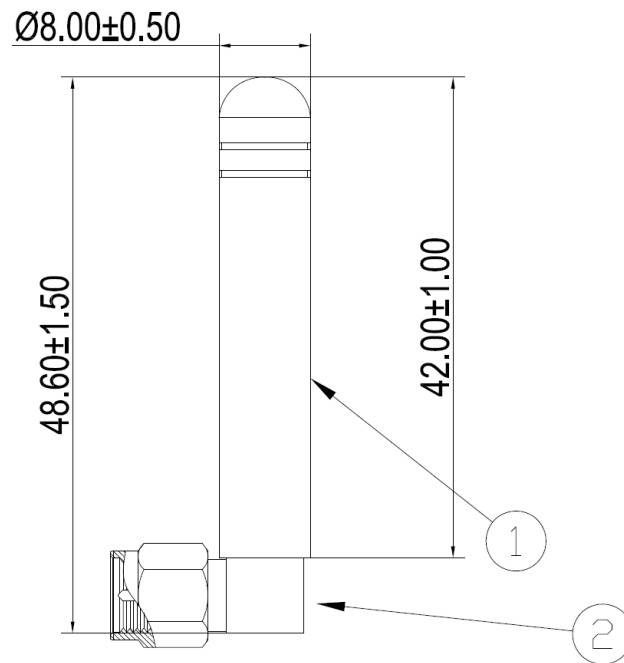


**1880.000MHz**





### 4. Antenna Drawings



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