



SUNNYWAY

SWE028

PN: SW19076EB56



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 (Ω)	50	50
Max. Input Power(W)	25	25

2. Mechanical and Environmental Specification

Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	51.5X ϕ 8mm
Material	ABS
Operating Temperature ($^{\circ}$ C)	- 40 $^{\circ}$ C ~ + 85 $^{\circ}$ C
Storage Temperature($^{\circ}$ C)	- 40 $^{\circ}$ C ~ + 85 $^{\circ}$ C

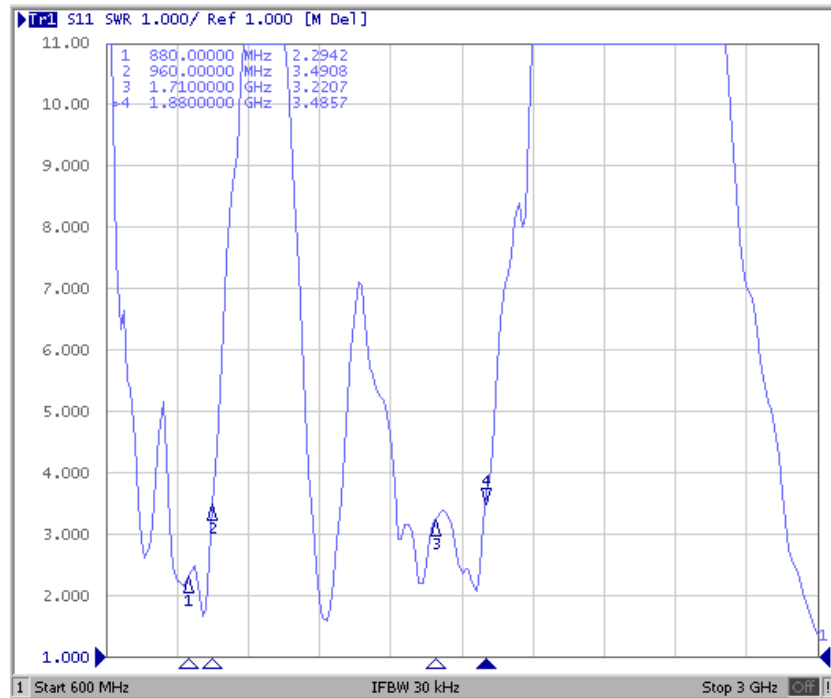


3. Antenna parameters

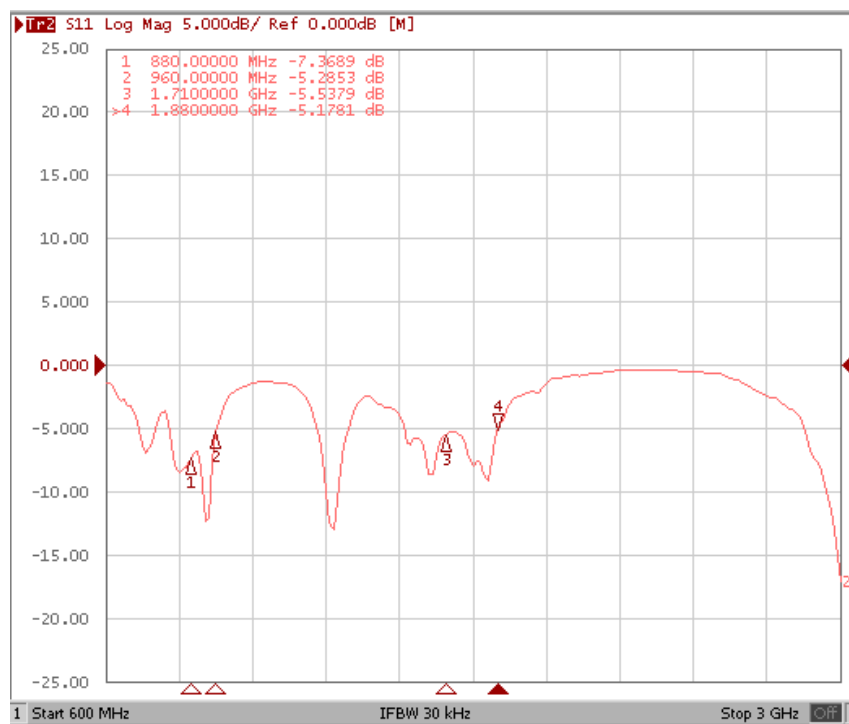
FRE (MHz)	880	960	1710	1880
VSWR	2.2	3.4	3.2	3.4
Return Loss	-7.3	-5.2	-5.5	-5.1
Eff(%)	35.4	51.72	38.96	30.97
Average Gain(dB)	-4.51	-2.86	-4.09	-5.09



VSWR

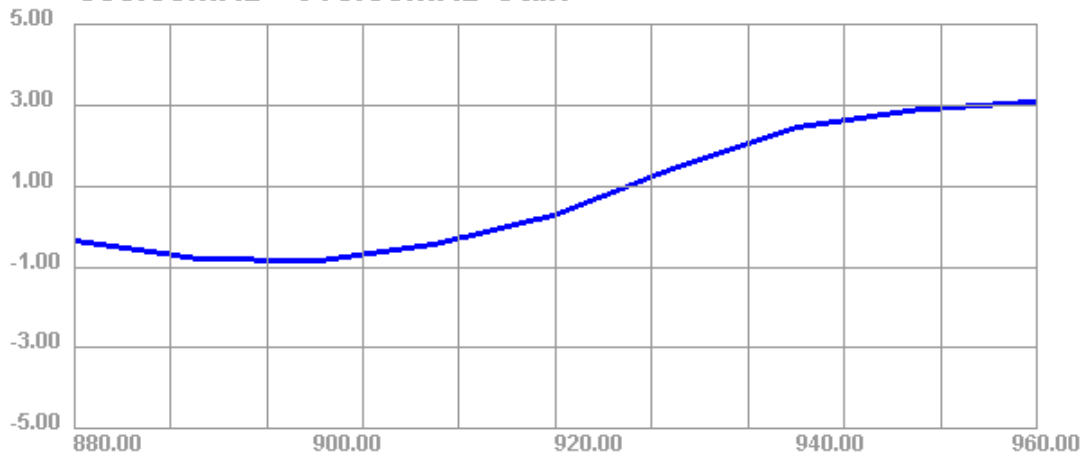


Return Loss

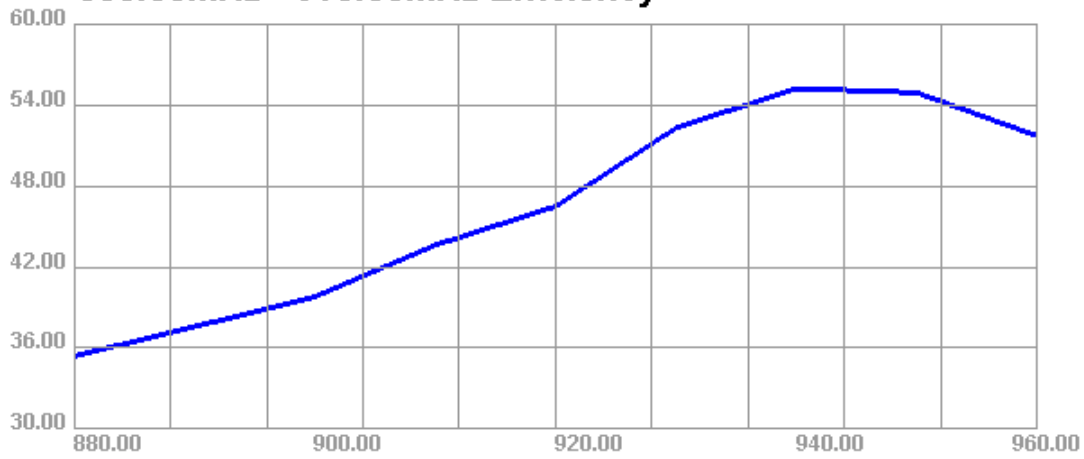




880.00MHz - 960.00MHz Gain

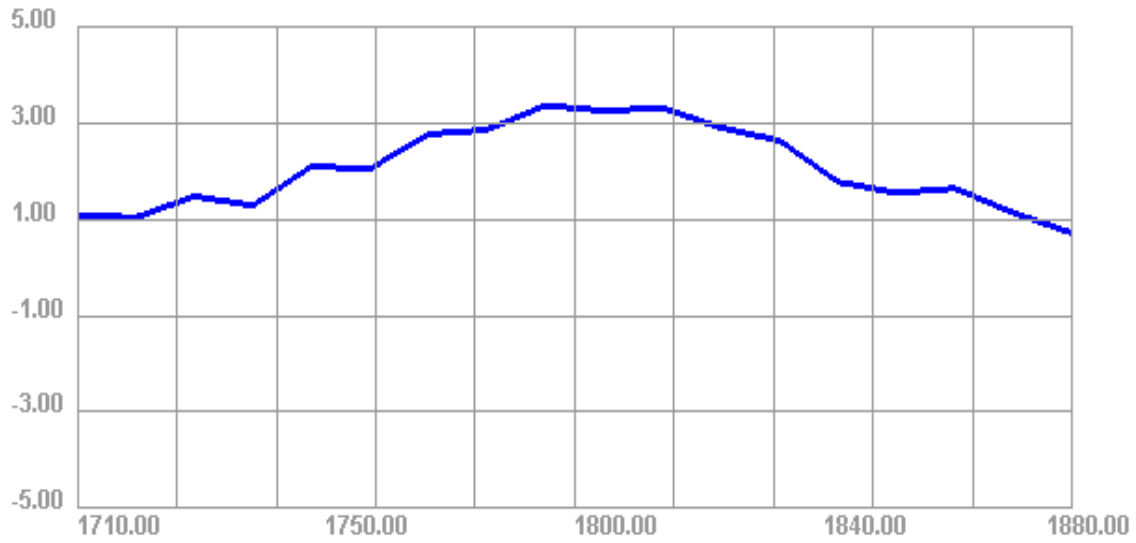


880.00MHz - 960.00MHz Efficiency

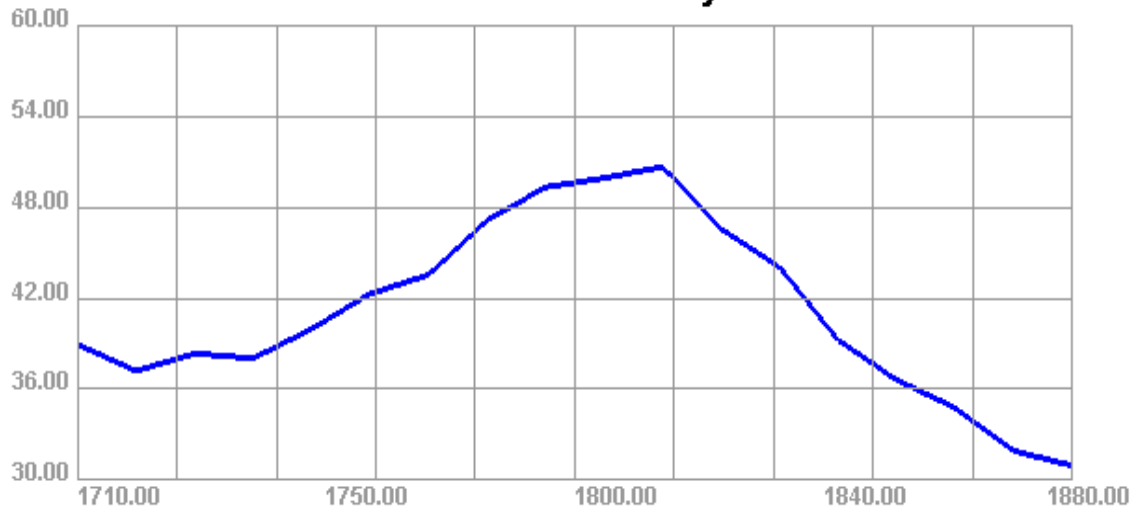




1710.00MHz - 1880.00MHz Gain



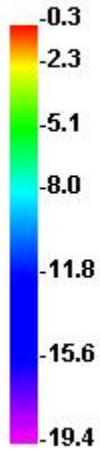
1710.00MHz - 1880.00MHz Efficiency



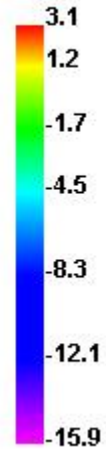
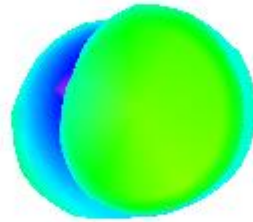


Directional pattern

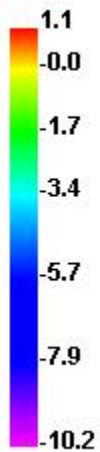
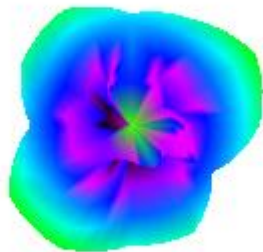
880.000MHz



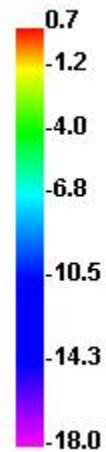
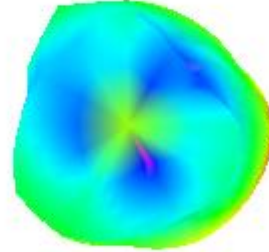
960.000MHz



1710.000MHz

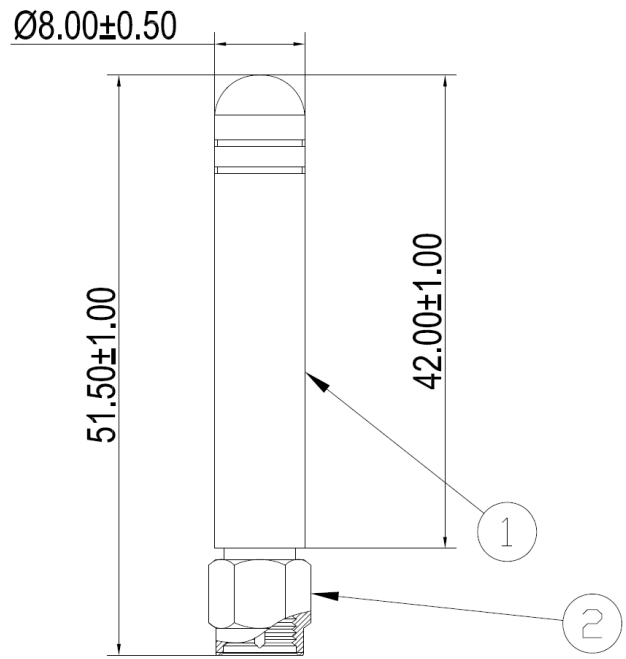


1880.000MHz





4. Antenna Drawings



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