



SUNNYWAY

SWF002

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Sunnyway Technology

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1. Electrical Specifications

Standards	4G/3G/2G
Frequency range	824~960,1710~2690mhz
Peak Gain(dBi)	0~3dBi
Average Gain(dBi)	-1~-3dB
Polarization mode	Linear
VSWR	~2-4
Return Loss	~-4dB
Efficiency(%)	30~60%
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specification

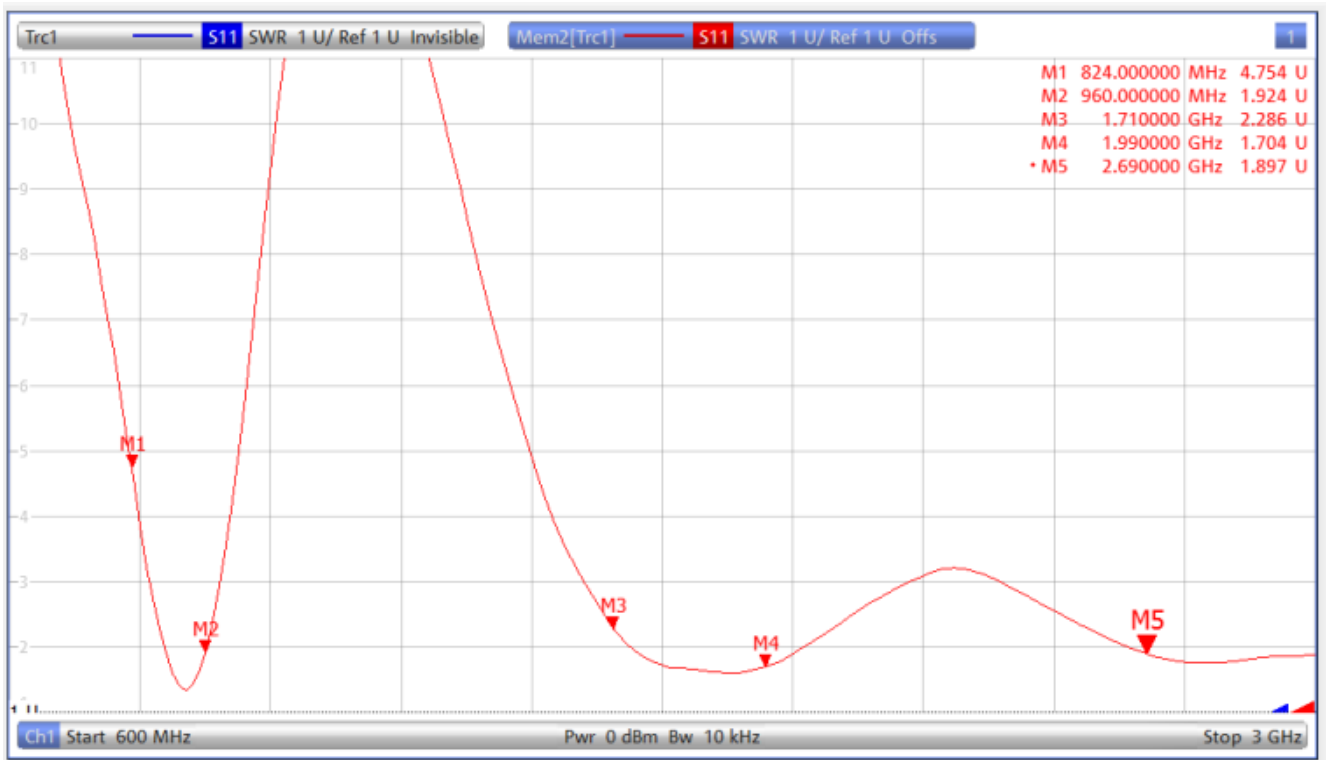
Mounting Type	Adhesive
Adhesive Type	3M9471
Connector Type	U.FL Standard
Antenna size(mm)	87.17mm (L) x 20.0mm (W) x0.12mm (H)
Material	FPC



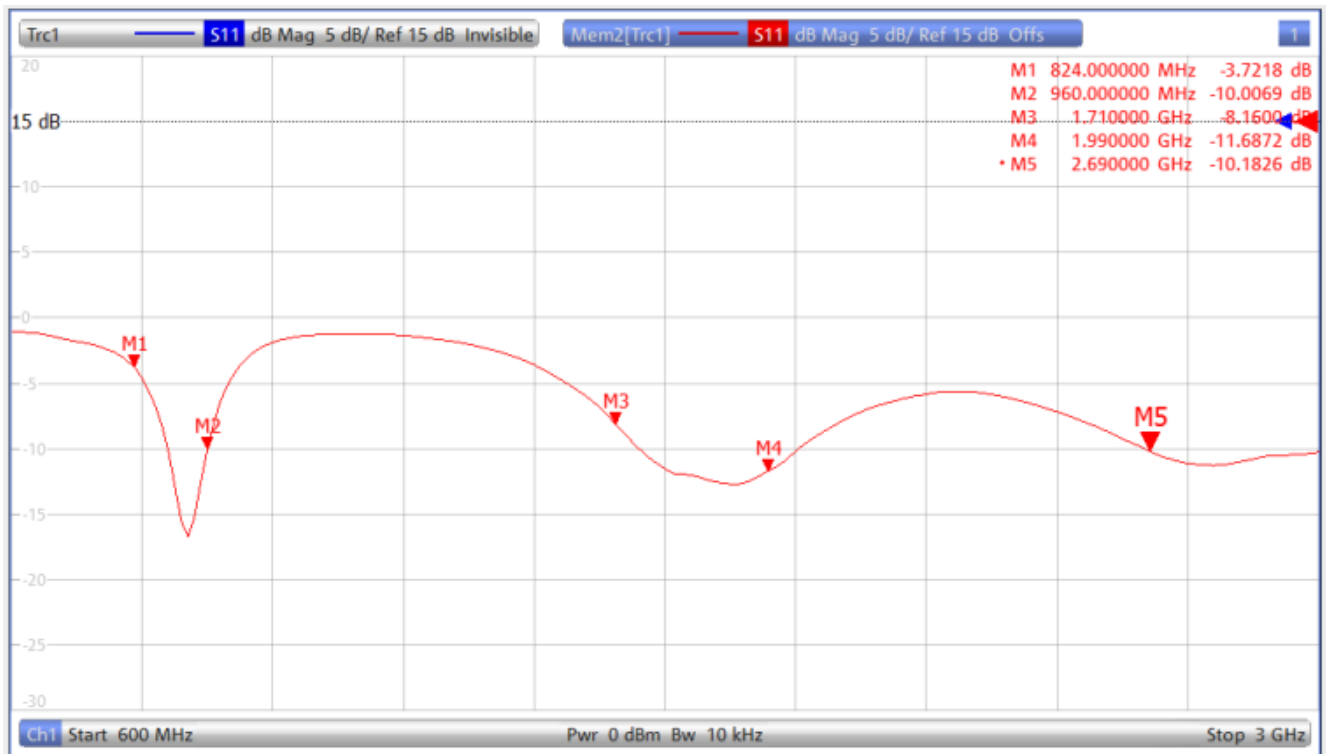
Cable length(mm)	101mm
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

3. Antenna parameters

FRE (MHz)	824	960	1710	1990	2690
VSWR	4.75	1.92	2.28	1.70	1.89
Return Loss	-3.72	-10.0	-8.18	-11.6	-10.1
Eff(%)	26.4	65.7	25.6	66.9	64.7
AVE Gain(dBI)	-5.77	-1.82	-5.92	-1.74	-1.89



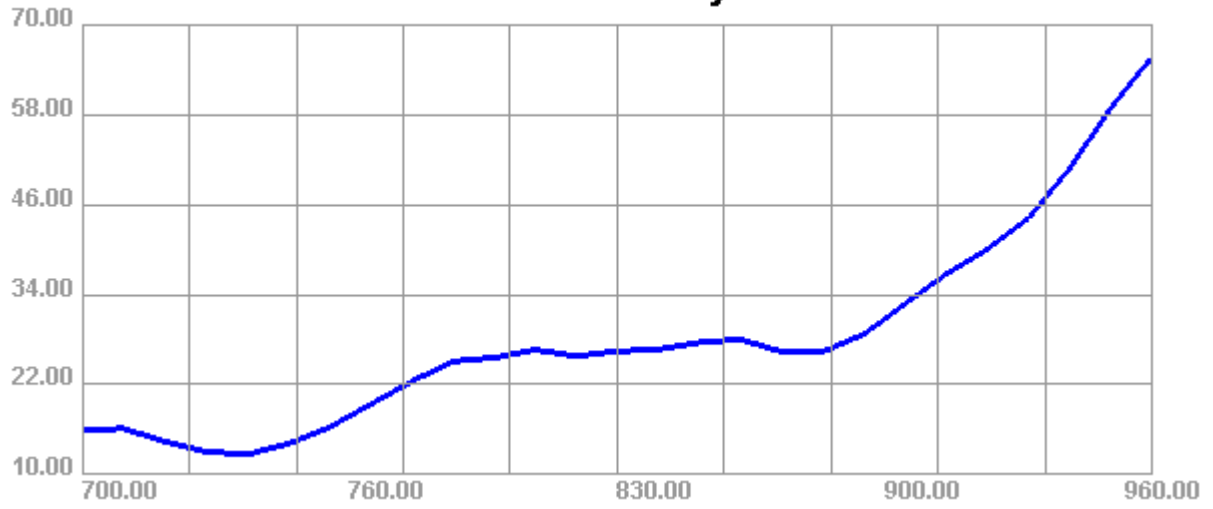
VSWR



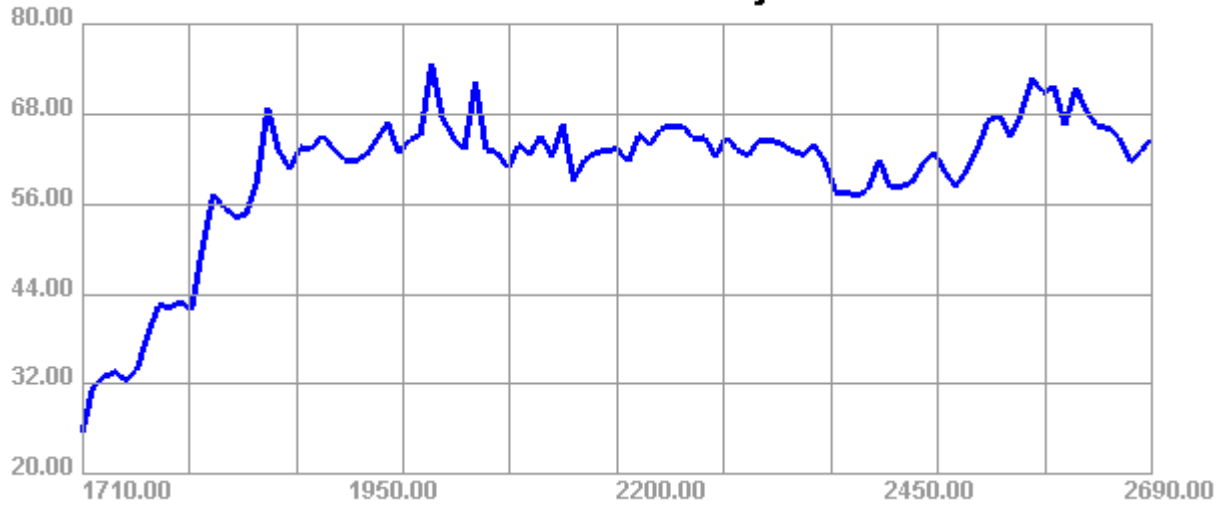
Return Loss



700.00MHz - 960.00MHz Efficiency

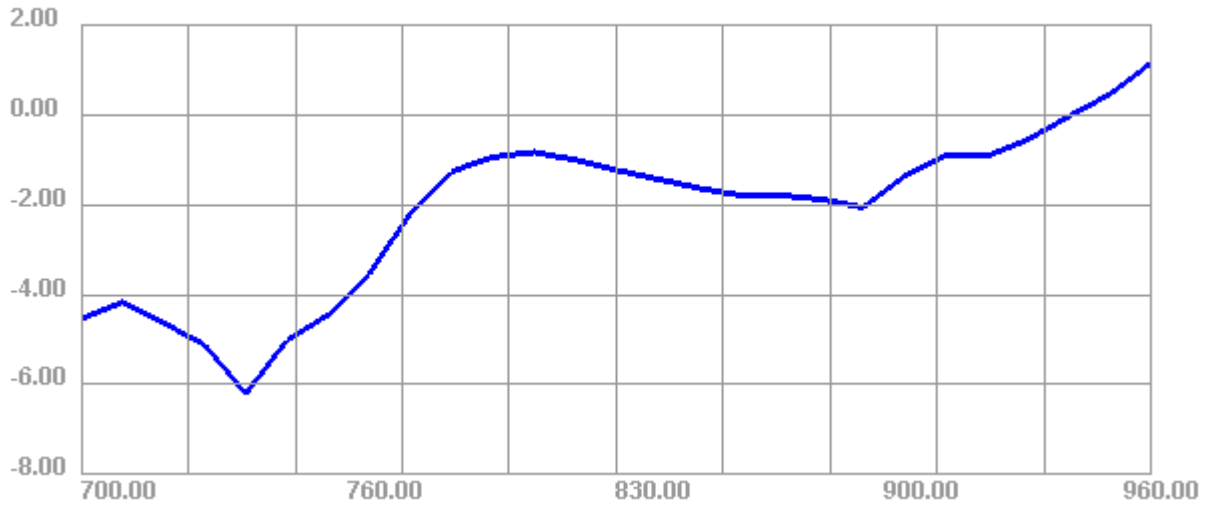


1710.00MHz - 2690.00MHz Efficiency

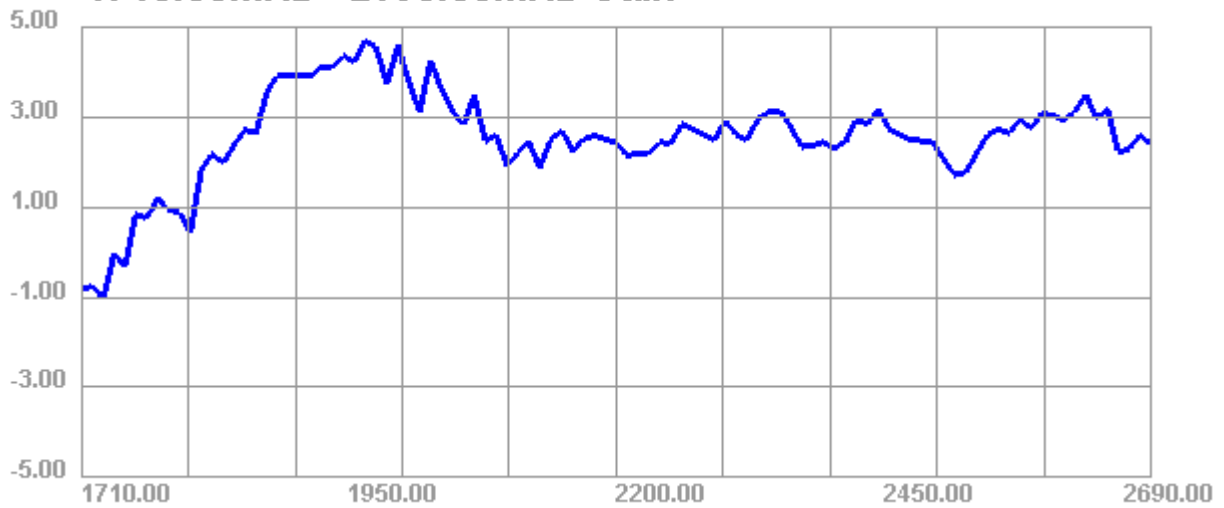




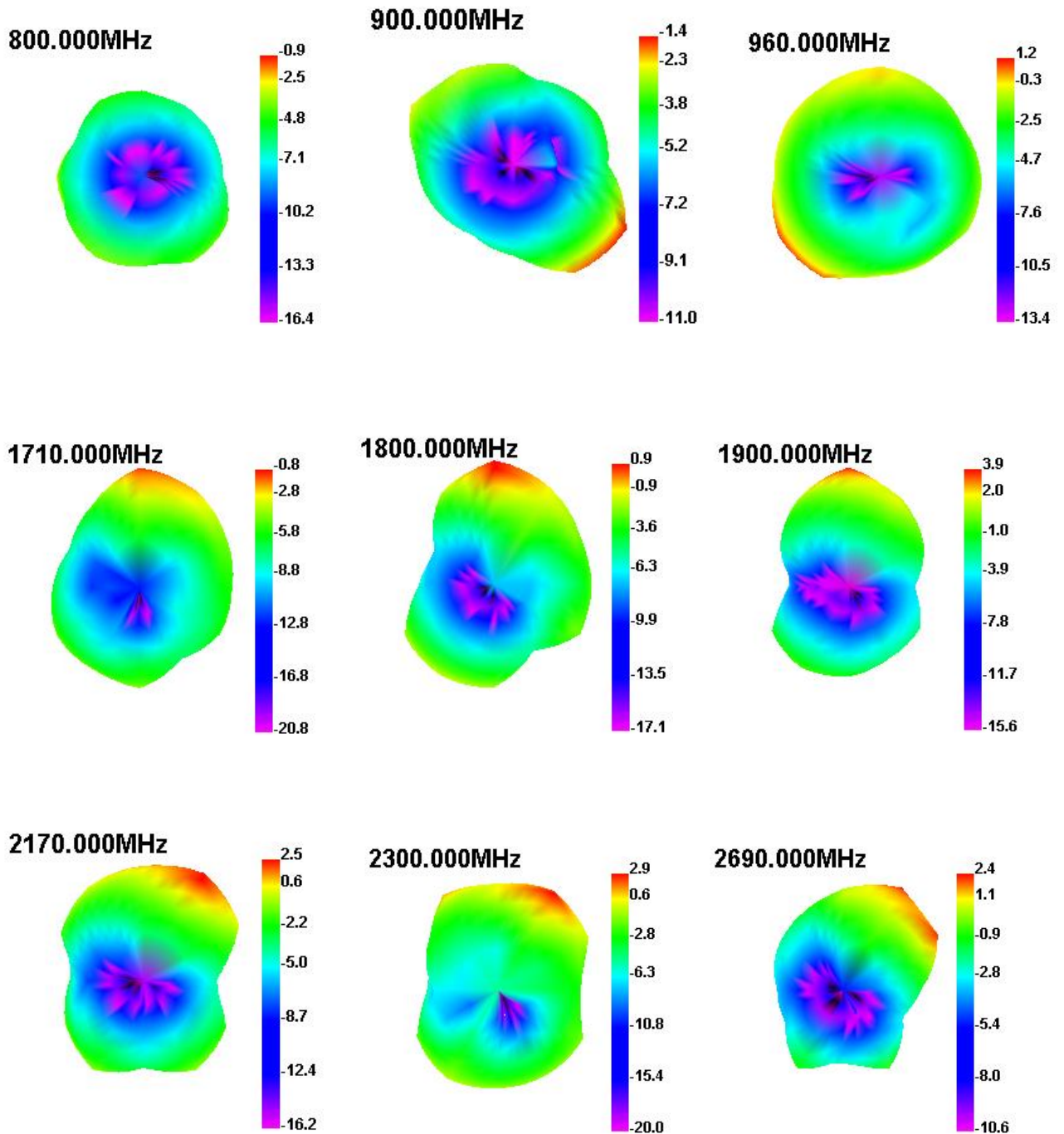
700.00MHz - 960.00MHz Gain



1710.00MHz - 2690.00MHz Gain



Directional pattern





4. Antenna Drawings

