



SUNNYWAY

SWF002

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1. Electrical Specifications

Standards	4G&3G&2G	
Frequency range (MHz)	824~960MHz	1710~2690MHz
Peak Gain (dBi)	-2.0~1.0dBi	-1.0~5.0dBi
Average Gain (dB)	-6.0~-1.8dB	-6.0~-1.2dB
VSWR	<5.0	<3.0
Return Loss	<-3.5	<-8.0
Efficiency (%)	25~65%	25~75%
Polarization mode	Linear	Linear
Radiation pattern	Omni-Directional	Omni-Directional
Output impedance (Ω)	50	50
Max. Input Power(W)	25	25

2. Mechanical and Environmental Specification

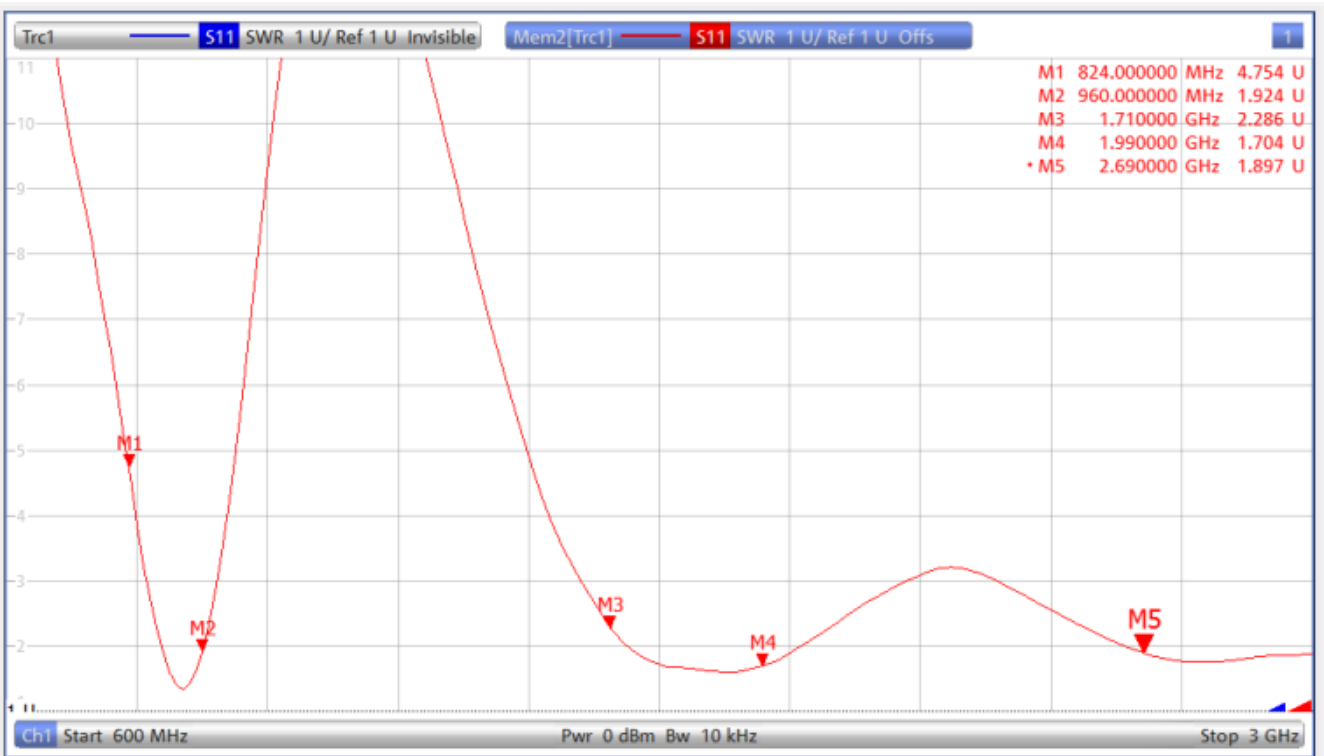
Mounting Type	Adhesive
Adhesive Type	3M9471
Connector Type	U.FL Standard
Antenna size(mm)	87.17mm (L) x 20.0mm (W) x0.12mm (H)
Material	FPC



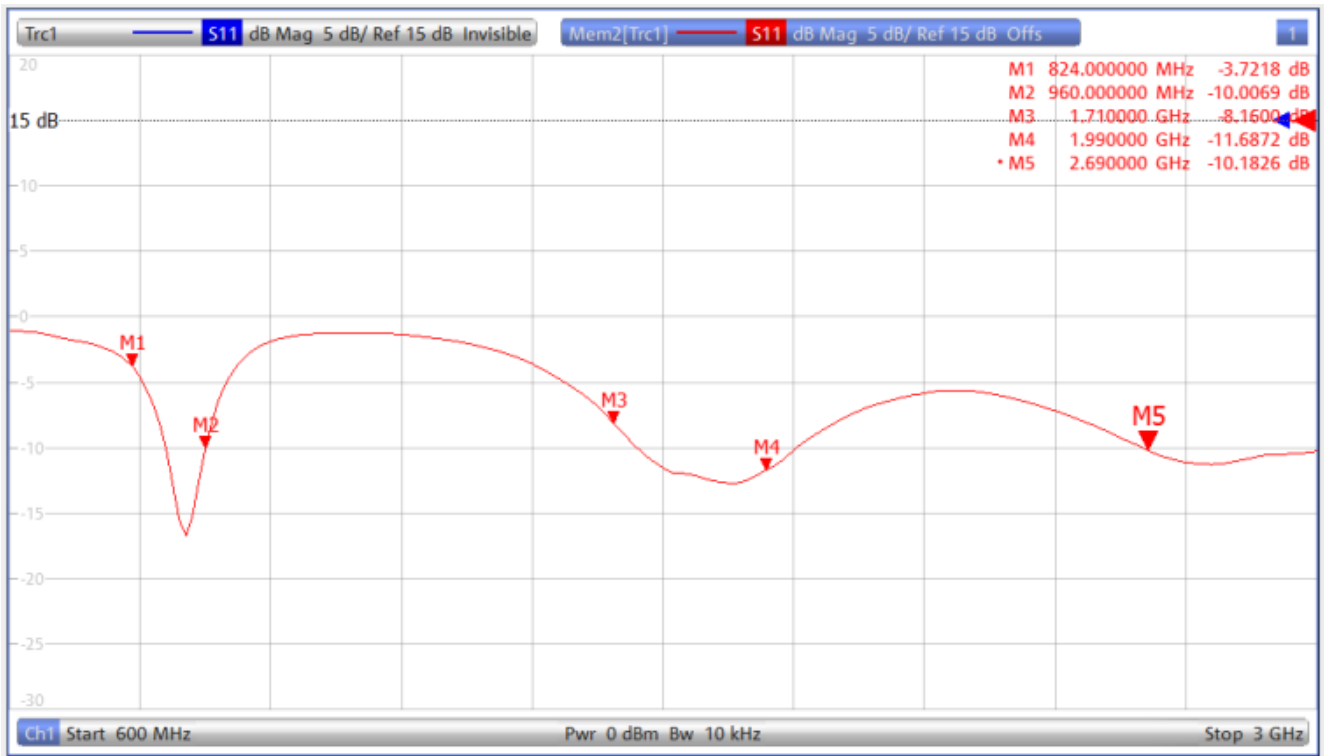
Cable length(mm)	101mm
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

3. Antenna parameters

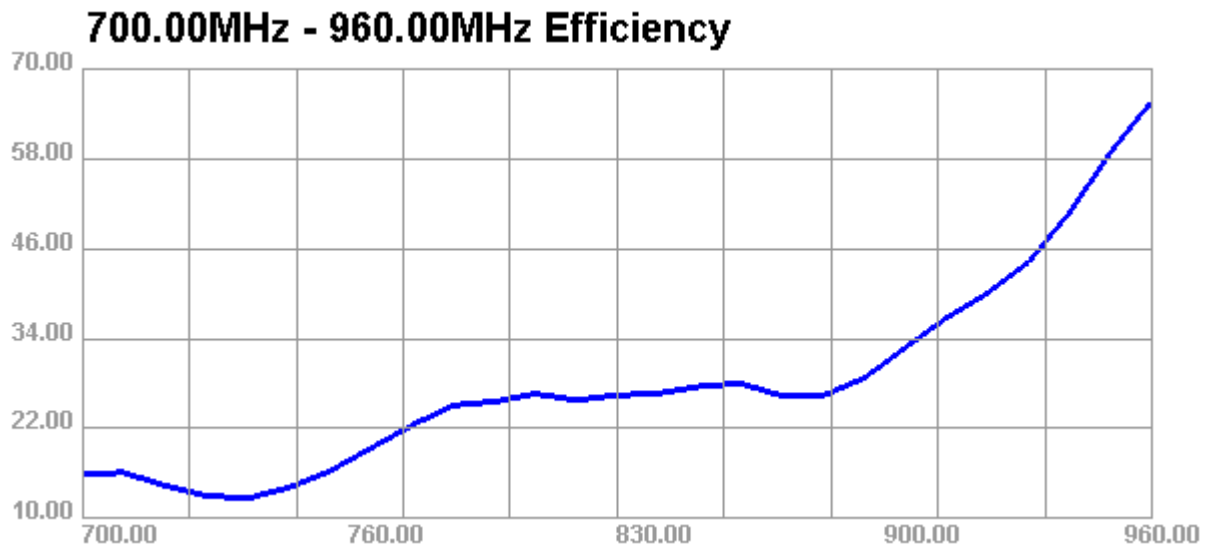
FRE (MHz)	824	960	1710	1990	2690
VSWR	4.75	1.92	2.28	1.70	1.89
Return Loss	-3.72	-10.00	-8.16	-11.68	-10.18
Eff(%)	26.4	65.7	25.6	66.9	64.7
Average Gain(dB)	-5.77	-1.82	-5.92	-1.74	-1.89



VSWR

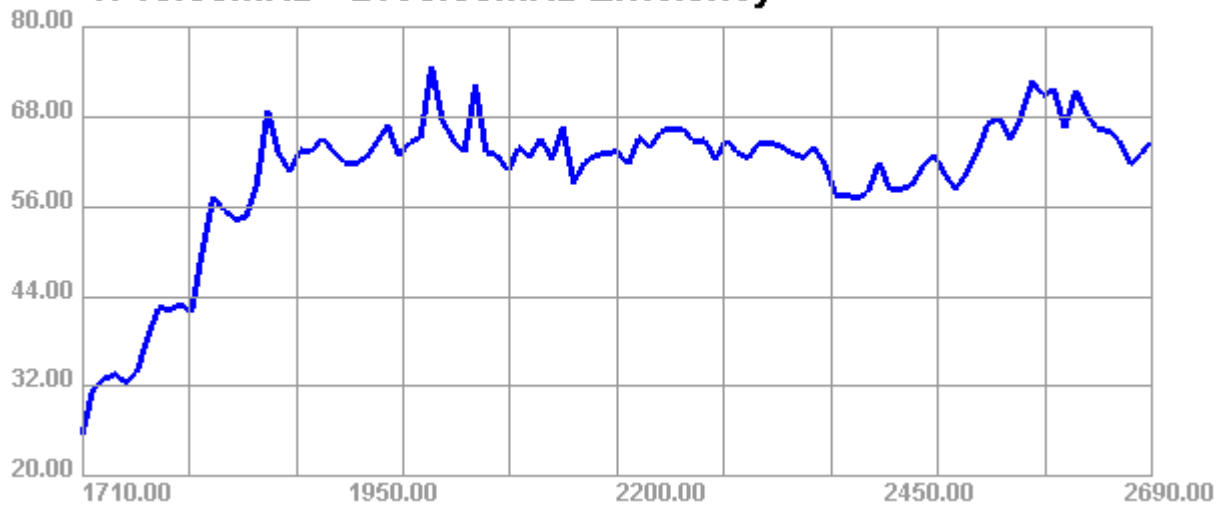


Return Loss

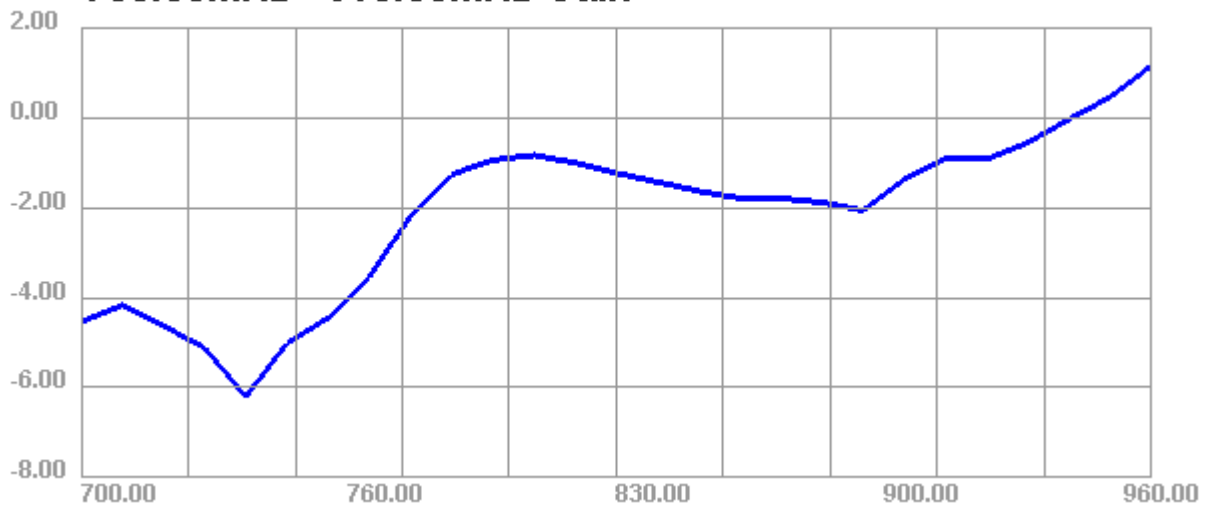


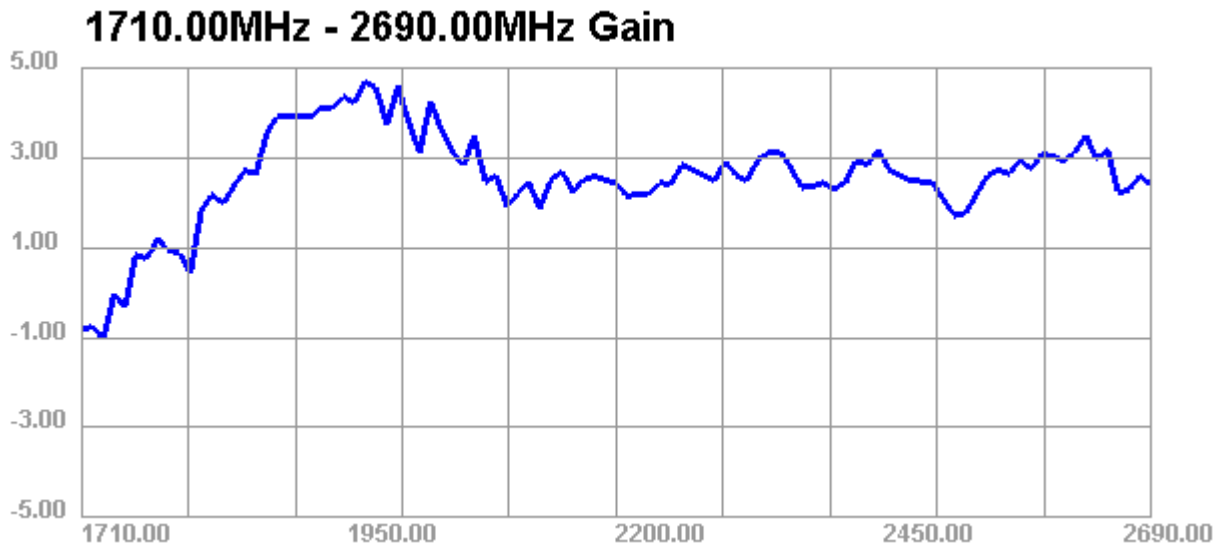


1710.00MHz - 2690.00MHz Efficiency

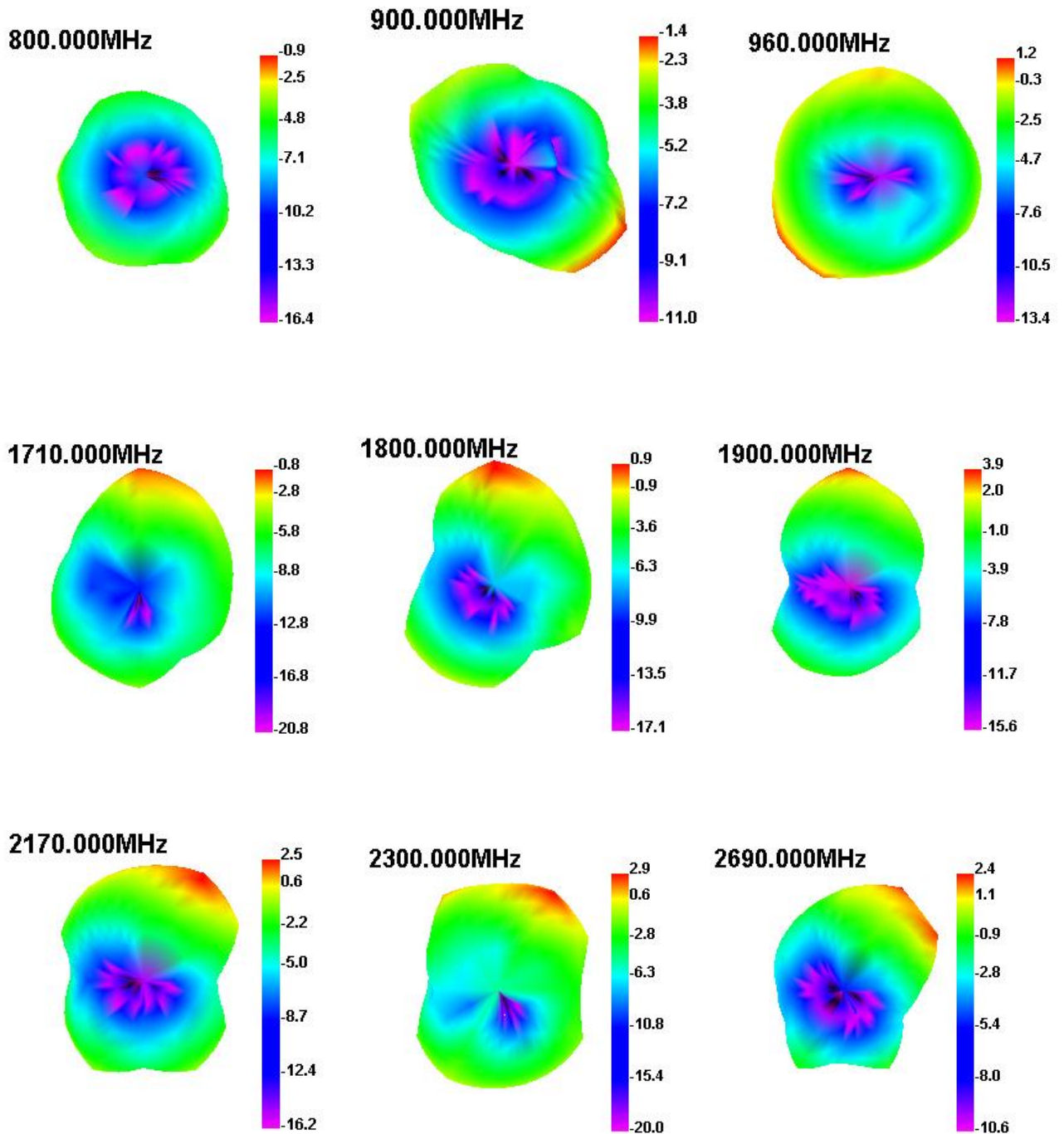


700.00MHz - 960.00MHz Gain





Directional pattern





4. Antenna Drawings

