



SWF007

PN: SW20041IB77



Sunnyway Technology

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1. Electrical Specifications

Standards	4G/3G/2G	
Frequency range (MHz)	698~960MHz	1710~2690 MHz
Peak Gain (dBi)	-1.8~2.0dBi	-0.5~4.2 dBi
Average Gain (dB)	-5.3~-1.8dB	-5.4~-1.8 dB
VSWR	<2.5	<2.6
Return Loss	<-7.6	<-7.1
Efficiency (%)	29.9~66.5%	28.9~66.4%
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

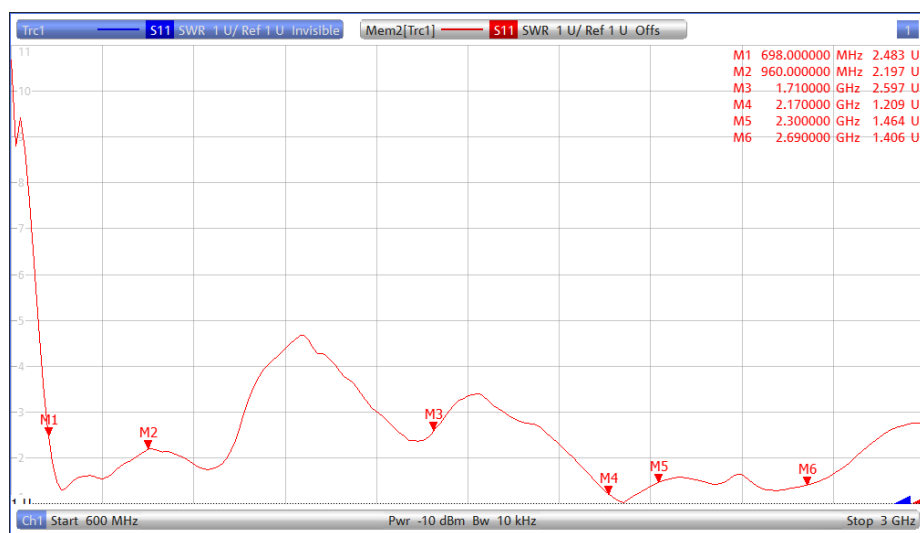
Mounting Type	Adhesive
Adhesive Type	3M467
Connector Type	U.FL Standard
Antenna size(mm)	70mm (L) x20mm (W) x0.12mm (H)
Material	FPC
Cable length(mm)	101mm

Operating Temperature (°C)	- 40 °C ~ + 80 °C
Storage Temperature(°C)	- 40 °C ~ + 80 °C

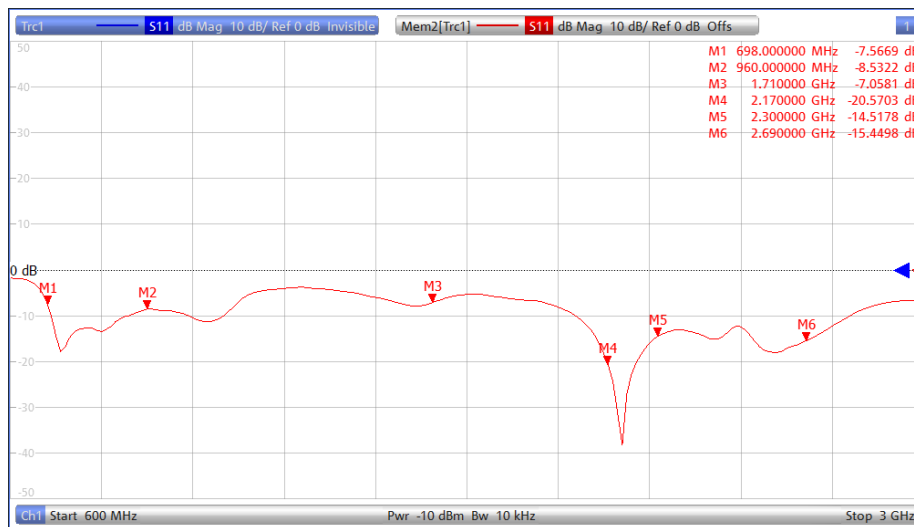
3. Antenna parameters

FRE (MHz)	698	960	1710	2170	2300	2690
VSWR	2.5	2.2	2.6	1.2	1.5	1.4
Return Loss	-7.6	-8.5	-7.1	-20.6	-14.5	-15.4
Eff (%)	29.9	44.7	29.6	60.4	64.1	58.4
Average Gain(dB)	-5.3	-3.5	-5.3	-2.2	-1.9	-2.3

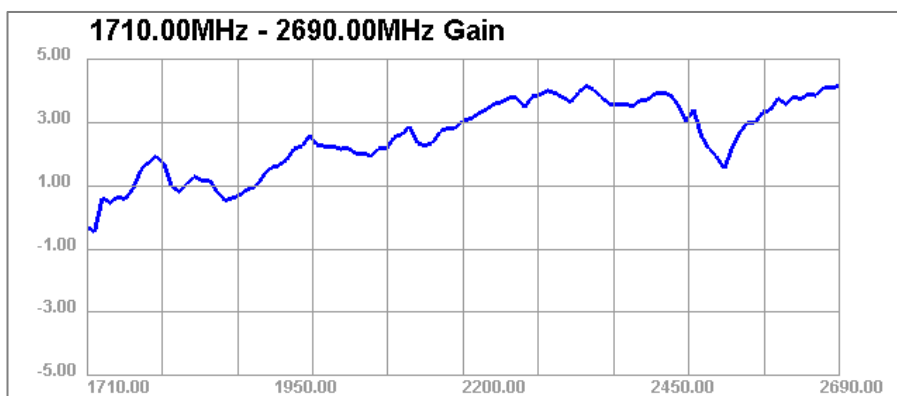
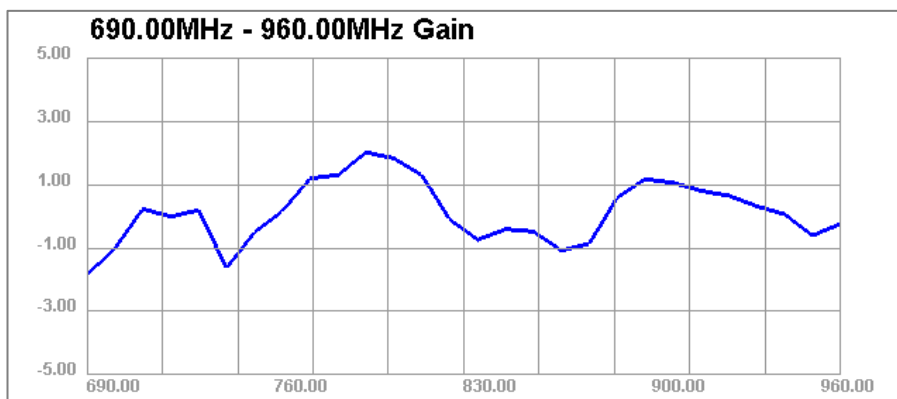
3.1 VSWR



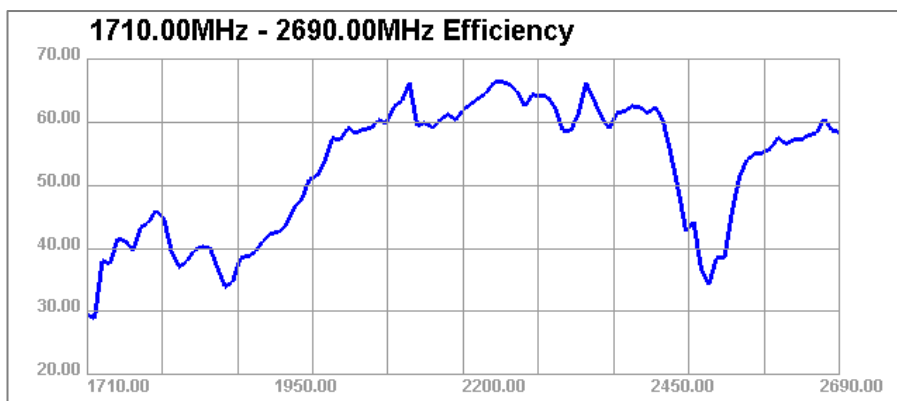
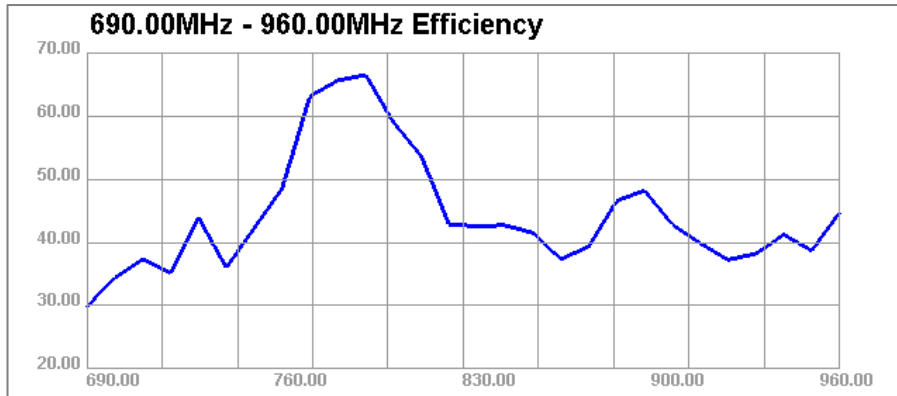
3.2 Return Loss



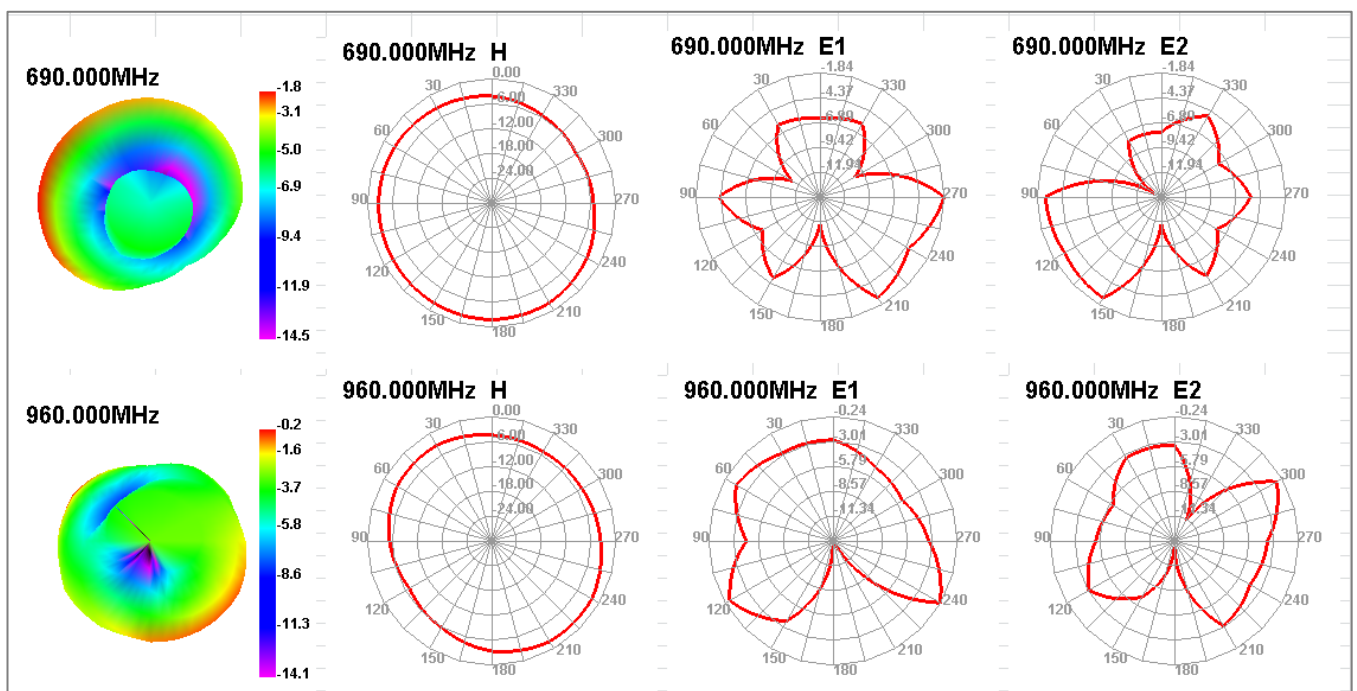
3.3 Gain

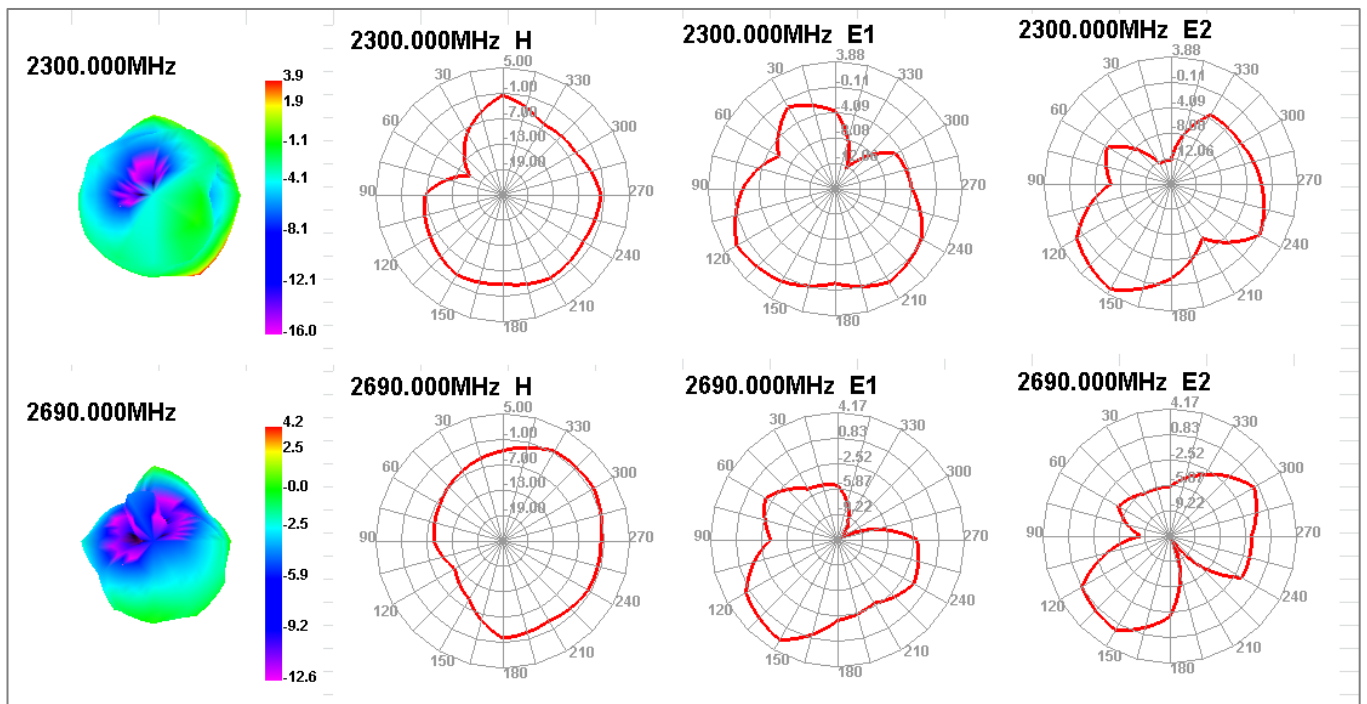
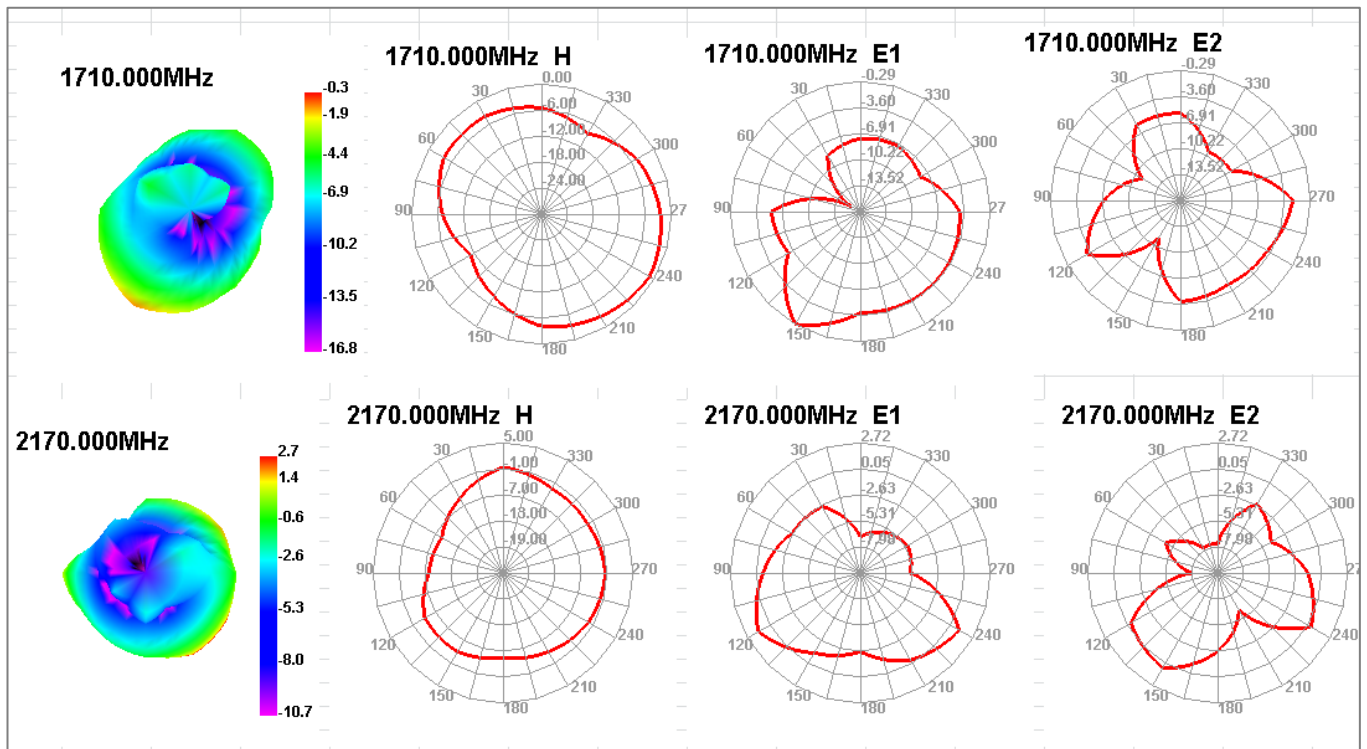


3.4 Efficiency



3.5 Directional pattern





4. Antenna Drawings

