



SUNNYWAY

SWF008

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Sunnyway Technology

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1. Electrical Specifications

Standards	5G/4G/3G/2G	
Frequency range (MHz)	698~960MHz	1710~6000MHz
Peak Gain (dBi)	0.5~2.1dBi	-2.6~3.9dBi
Average Gain (dB)	-4.6~-2.2dB	-6.8~-1.7dB
VSWR	<2.7	<2.8
Return Loss	<-7.2	<-6.6
Efficiency (%)	35.0~60.0%	20.8~67.4%
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)	80mm (L) x20mm (W) x0.12mm (H)
Material	FPC
Cable length(mm)	101mm

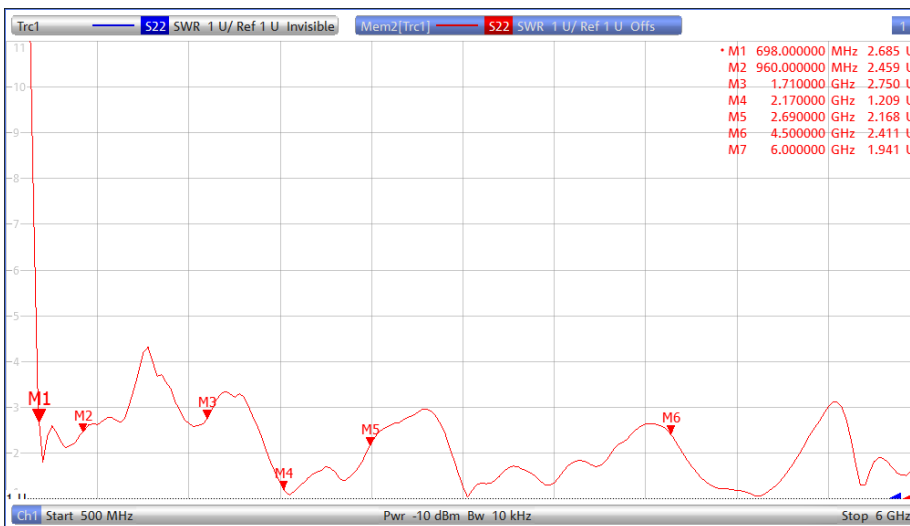


Operating Temperature (°C)	- 40 °C ~ + 80 °C
Storage Temperature(°C)	- 40 °C ~ + 80 °C

3. Antenna parameters

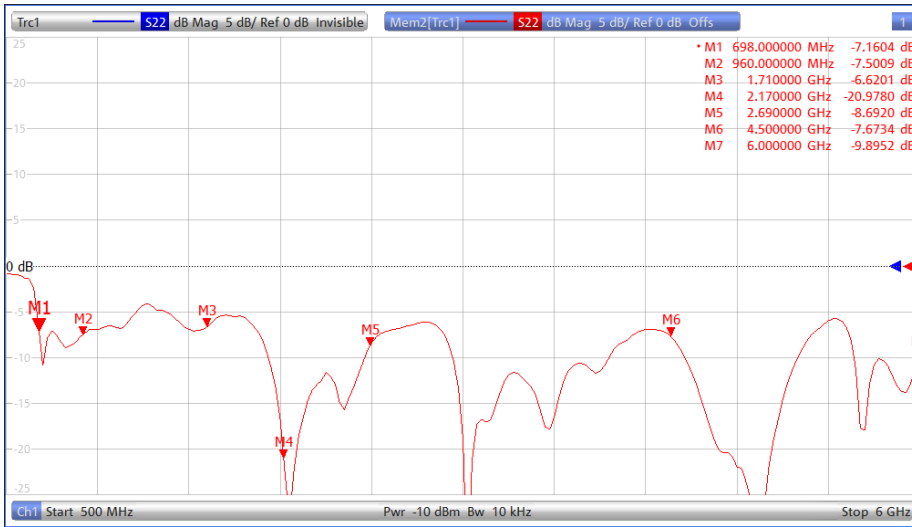
FRE (MHz)	698	960	1710	2170	2690	4500	6000
VSWR	2.7	2.5	2.8	1.2	2.2	2.4	1.9
Return Loss	-7.2	-7.5	-6.6	-21.0	-8.7	-7.7	-9.9
Eff (%)	35.0	60.0	45.0	67.0	57.0	31.5	28.8
Average Gain(dB)	-4.6	-2.2	-3.5	-1.7	-2.4	-5.0	-5.4

3.1 VSWR

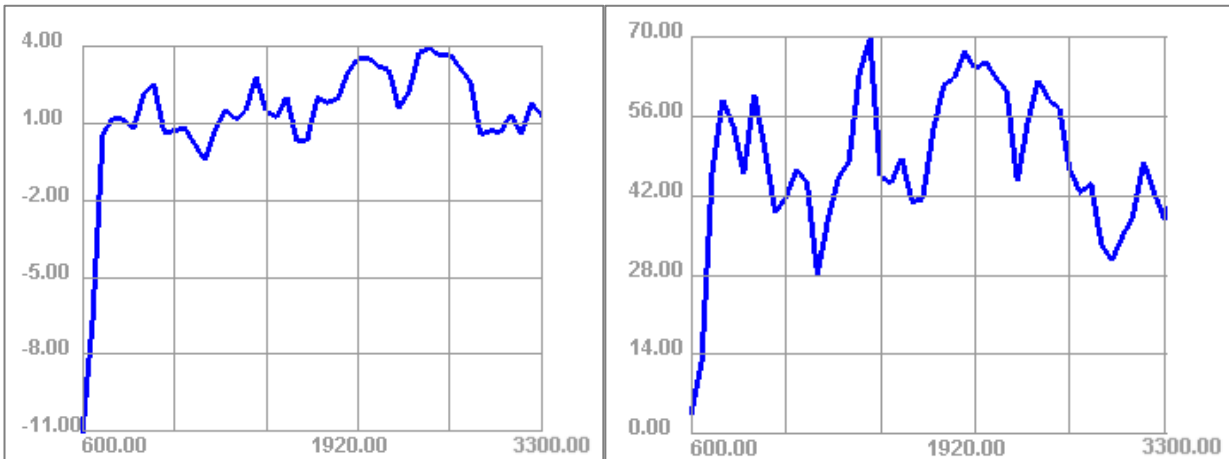




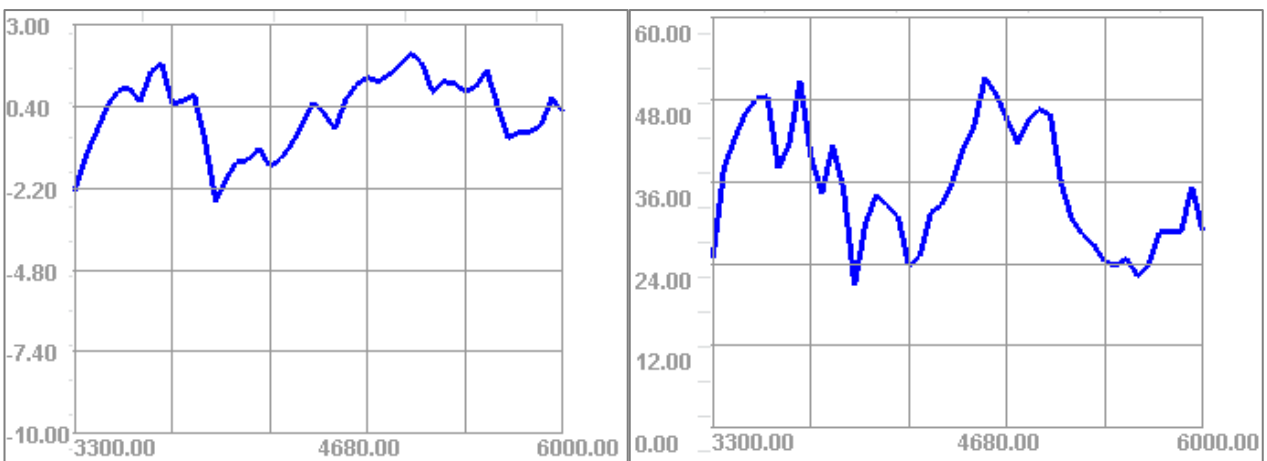
3.2 Return Loss



3.3 600MHz-3000MHz Gain and Efficiency

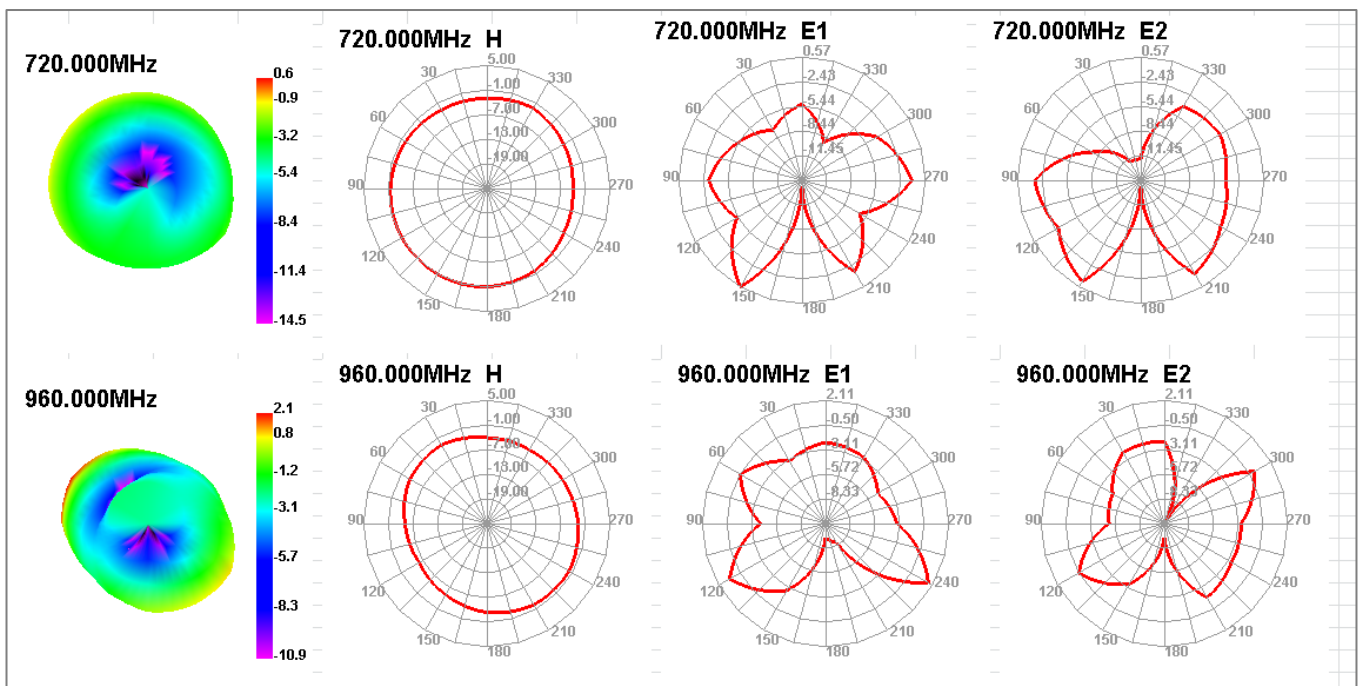
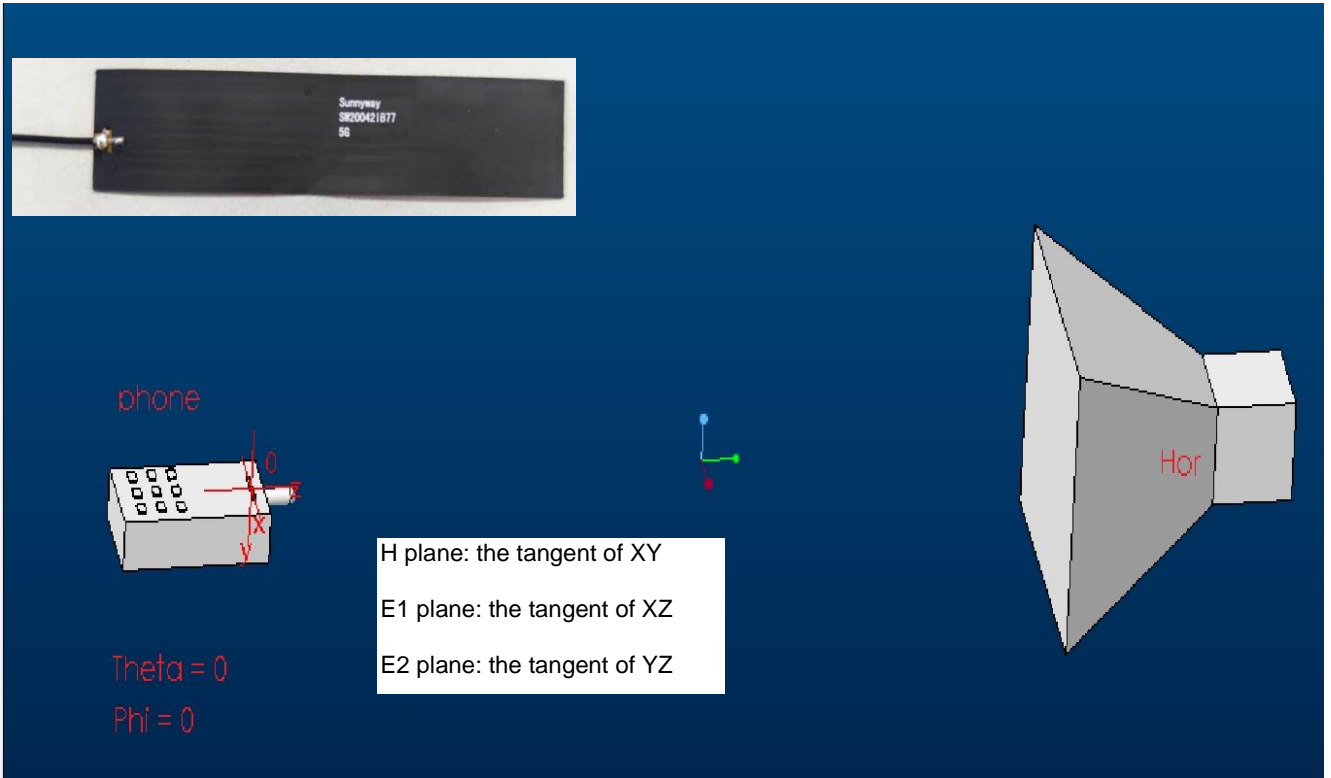


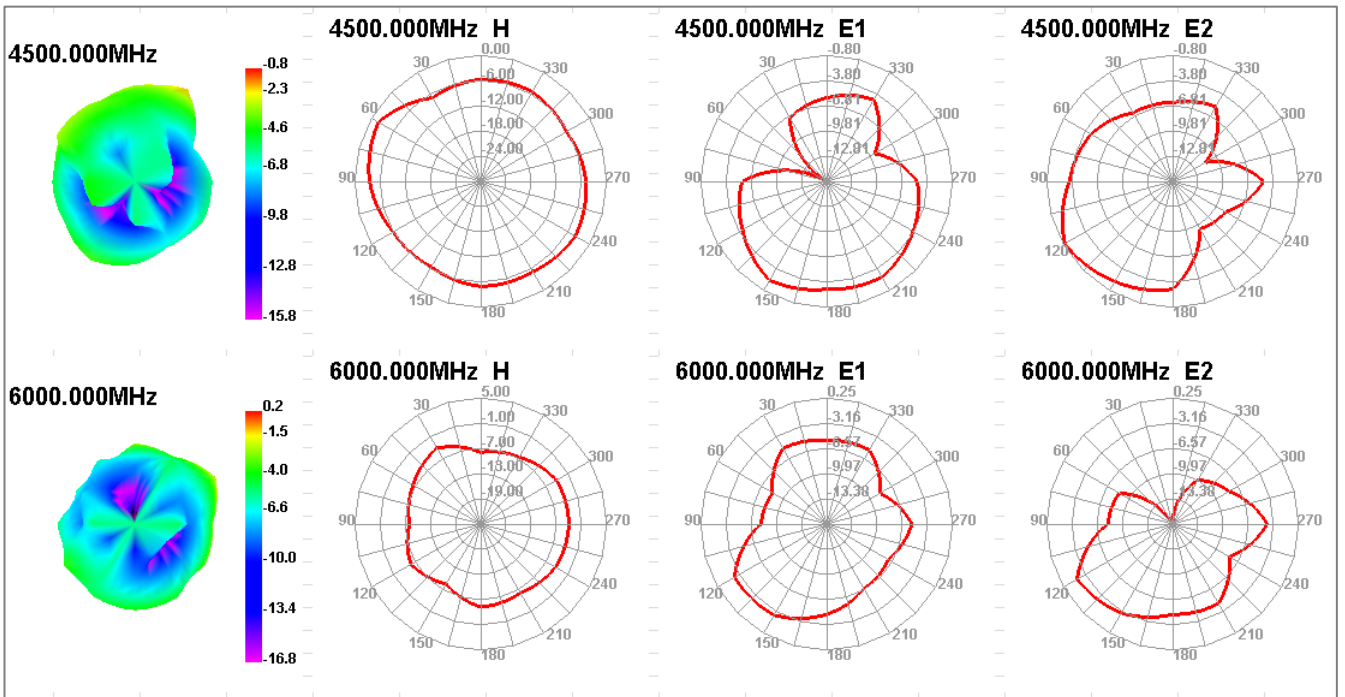
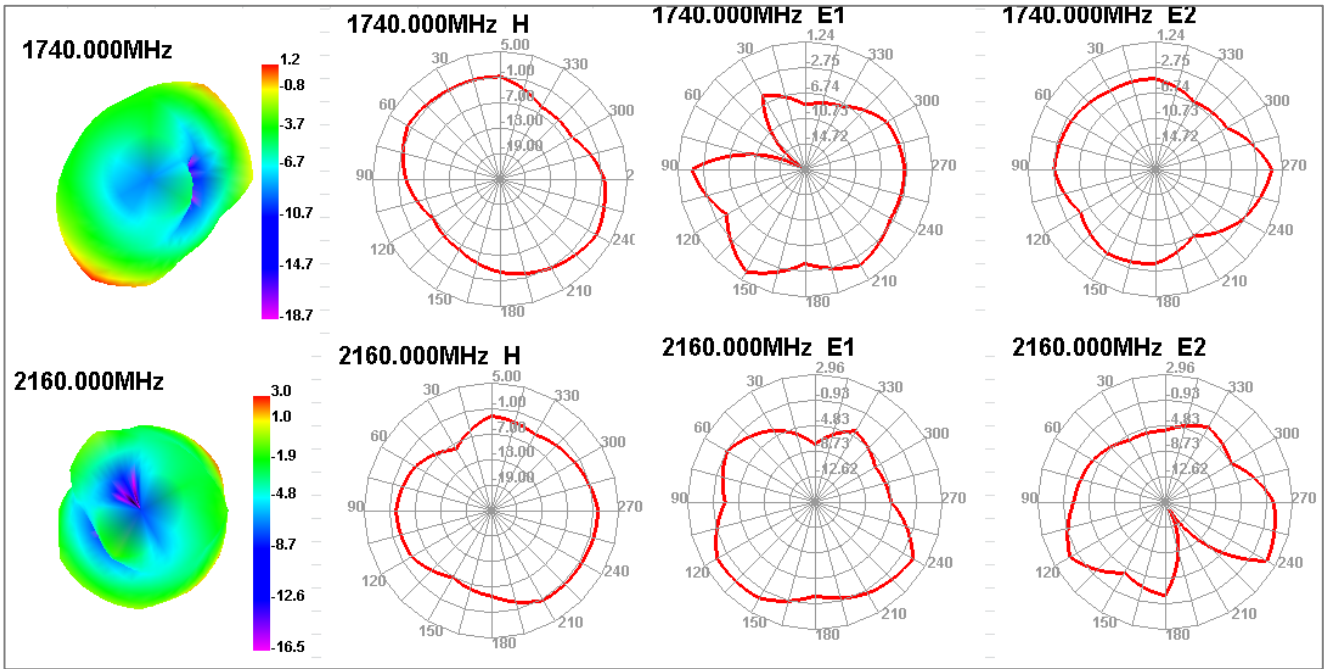
3.4 3000MHz-6000MHz Gain and Efficiency





3.5 Directional pattern







4. Antenna Drawings

