



SUNNYWAY

SWF006

PN: SW20030IB77



Sunnyway Technology

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1. Electrical Specifications

Standards	WiFi 2.4G + 5.8G	
Frequency range (MHz)	2400~2500MHz	5100~5900MHz
Peak Gain (dBi)	0.5~2.0dBi	1.5~4.0dBi
Average Gain (dB)	-3.0~-2.7dB	-3.4~-1.4dB
VSWR	<2	<4
Return Loss	<-11	<-5
Efficiency (%)	50~54%	45~72%
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

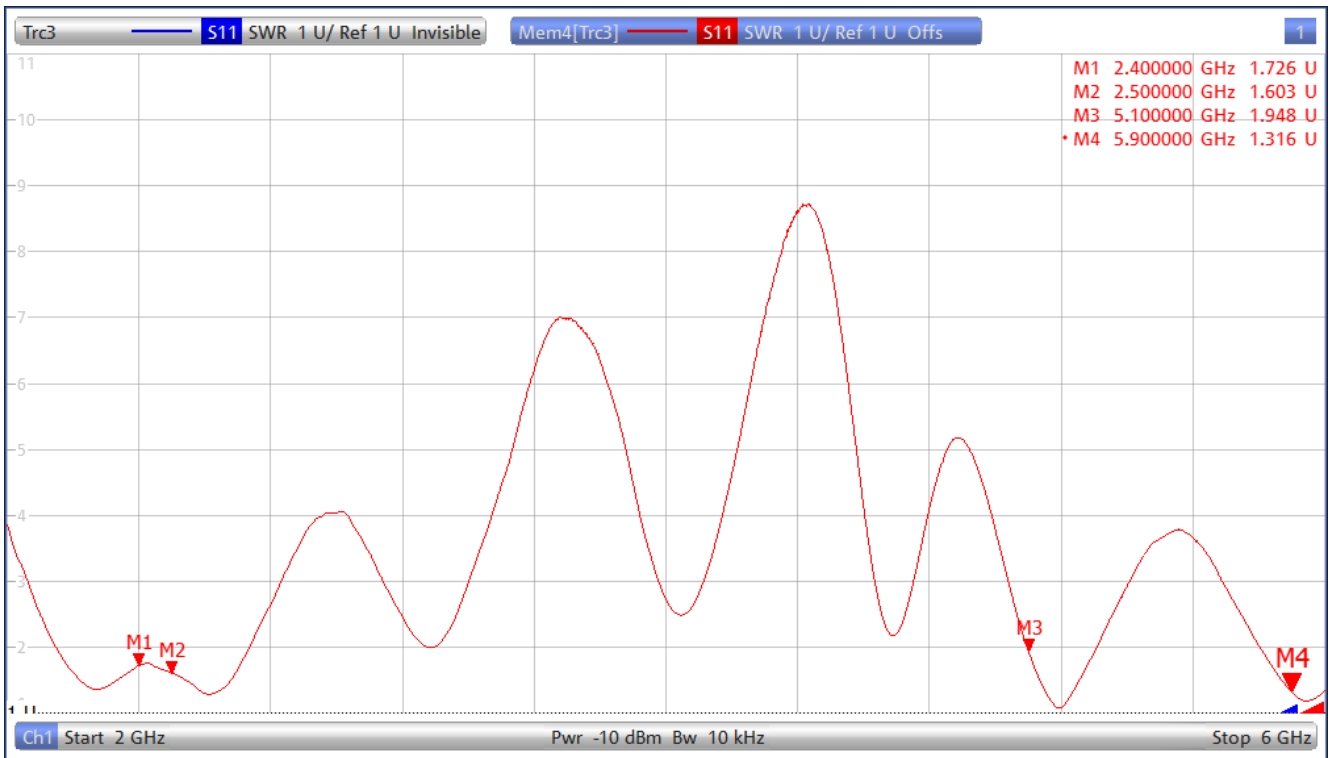
Mounting Type	Adhesive
Adhesive Type	3M9471
Connector Type	U.FL Standard
Antenna size(mm)	50.7mm (L) x9mm (W) x0.12mm (H)
Material	FPC



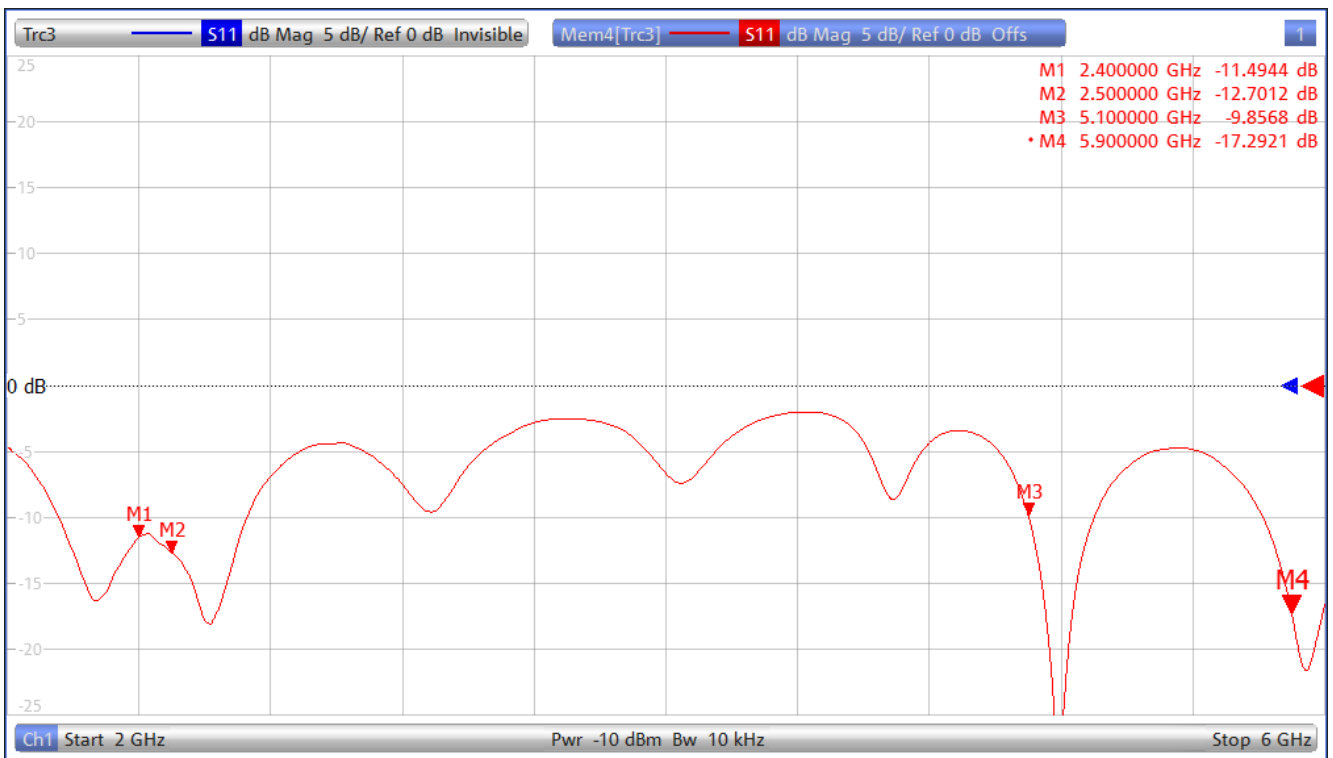
Cable length(mm)	101mm
Operating Temperature (°C)	- 40 °C ~ + 80 °C
Storage Temperature(°C)	- 40 °C ~ + 80 °C

3. Antenna parameters

FRE (MHz)	2400	2500	5100	5900
VSWR	1.72	1.60	1.94	1.31
Return Loss	-11.49	-12.70	-9.58	-17.29
Eff (%)	53.3	51.7	66.5	62.8
Average Gain(dB)	-2.73	-2.86	-1.77	-2.02



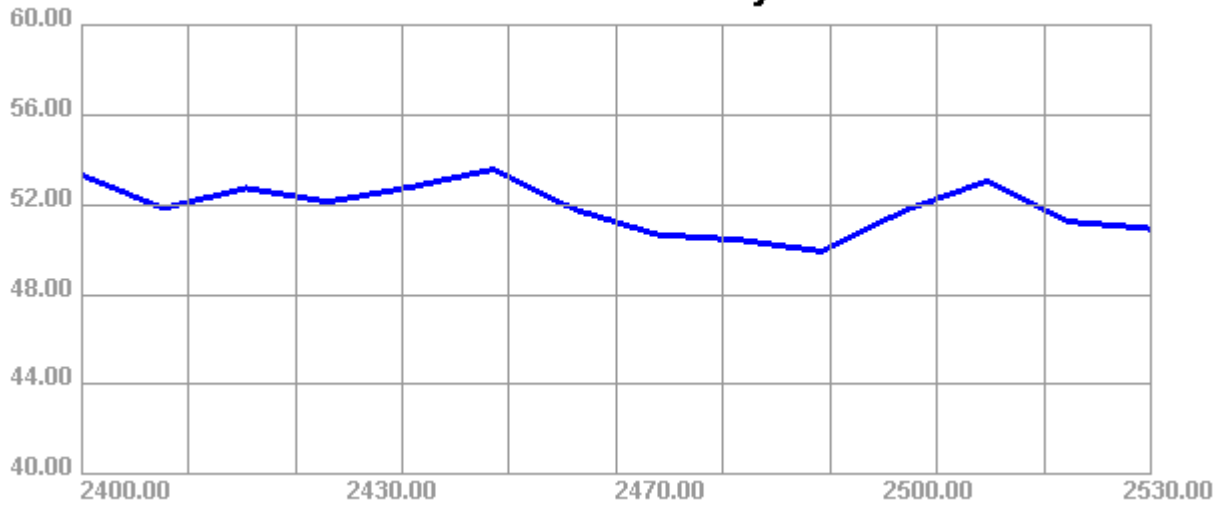
VSWR



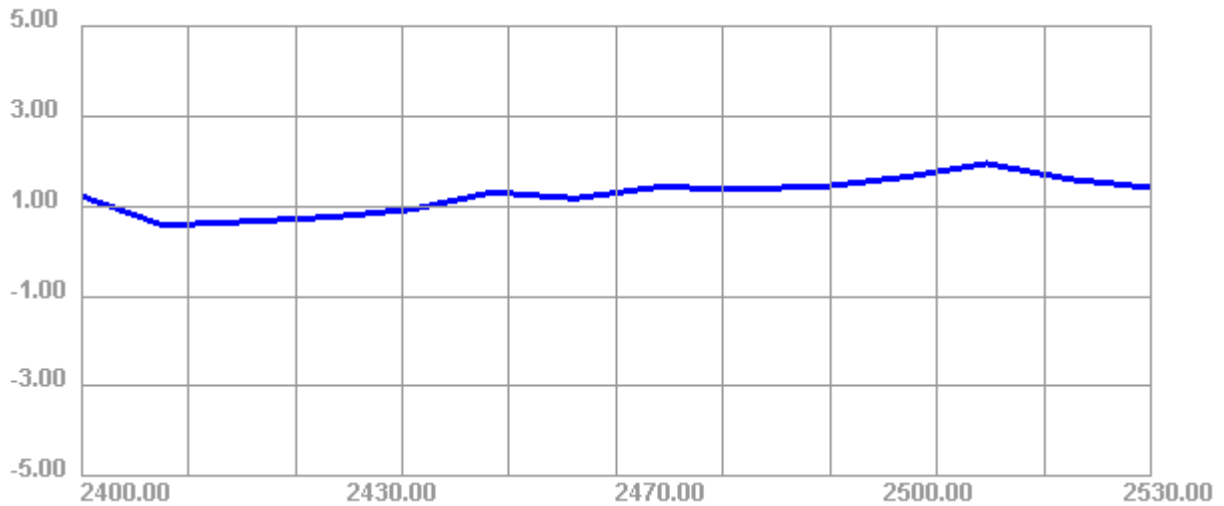
Return Loss



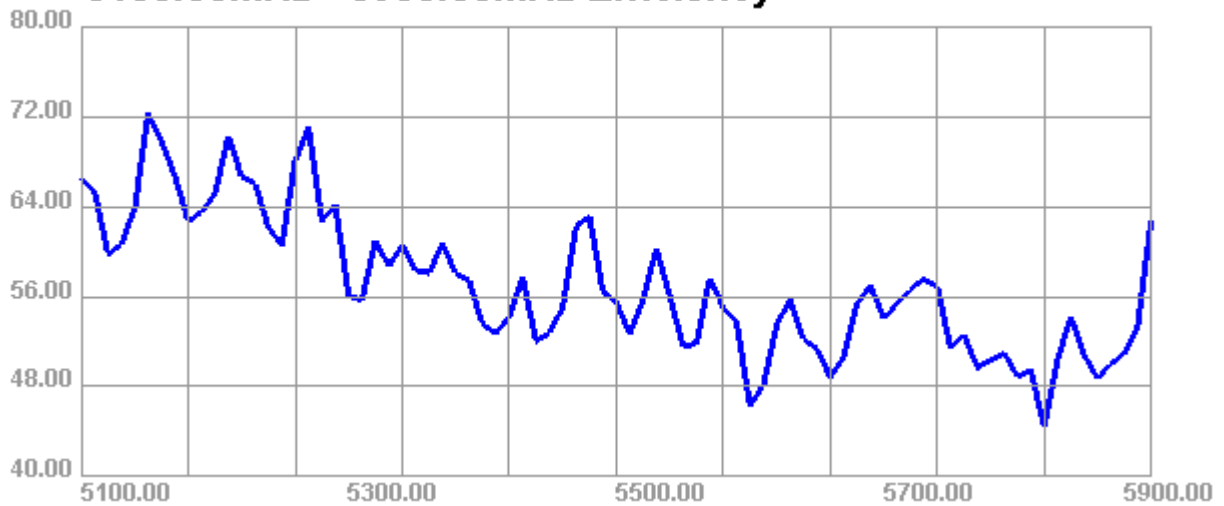
2400.00MHz - 2530.00MHz Efficiency

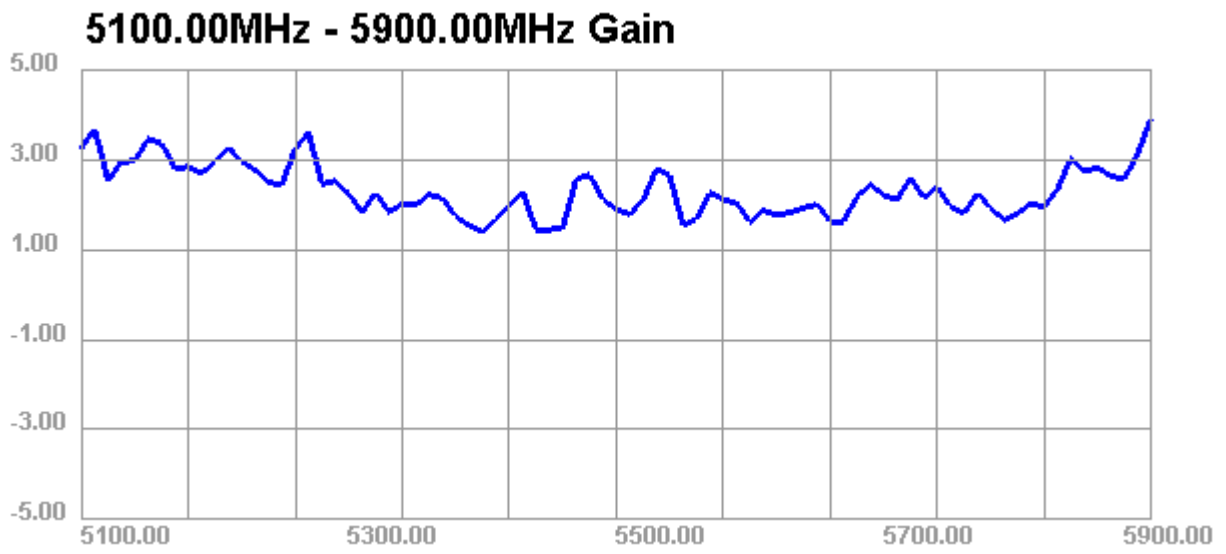


2400.00MHz - 2530.00MHz Gain



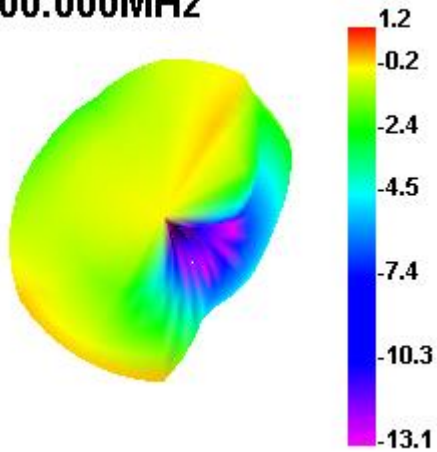
5100.00MHz - 5900.00MHz Efficiency



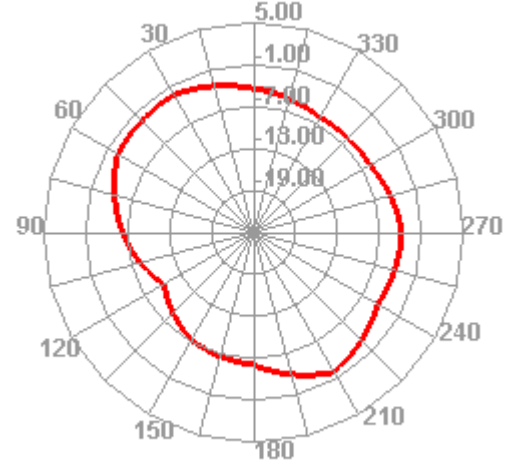


Directional pattern

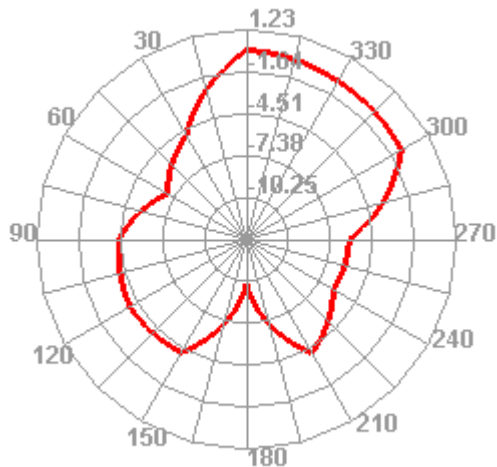
2400.000MHz



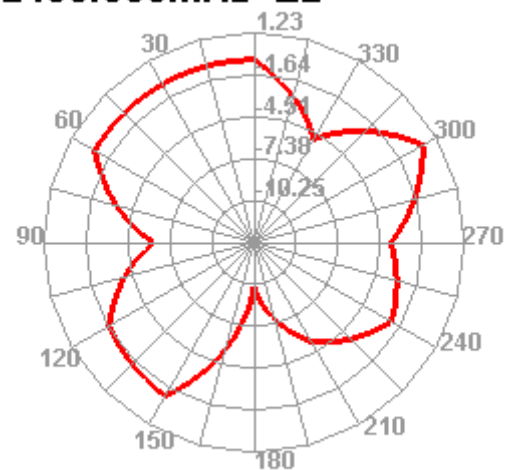
2400.000MHz H



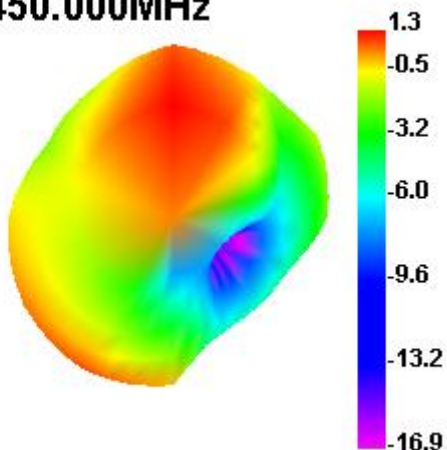
2400.000MHz E1



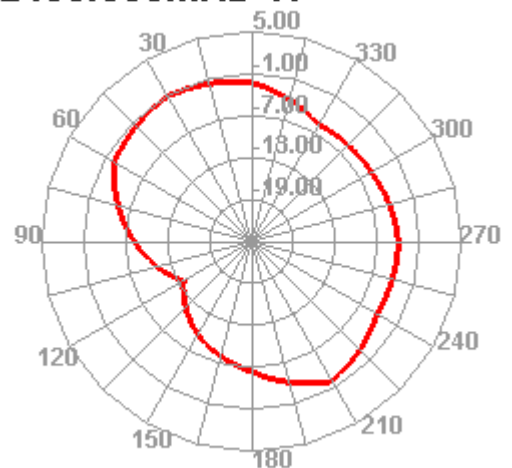
2400.000MHz E2



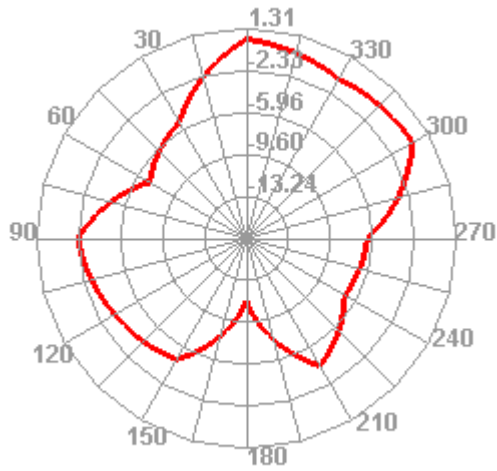
2450.000MHz



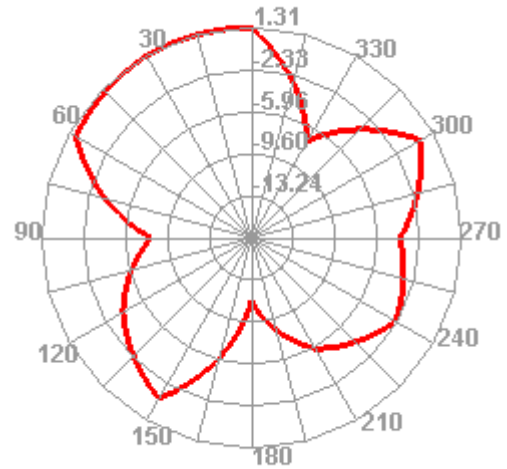
2450.000MHz H



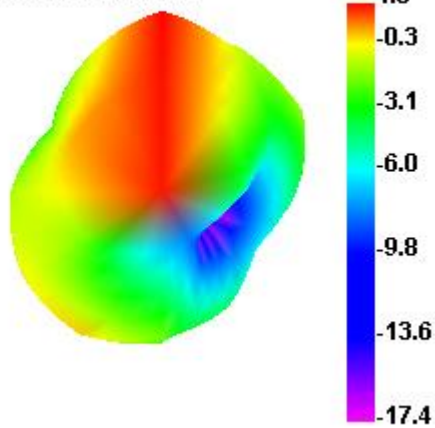
2450.000MHz E1



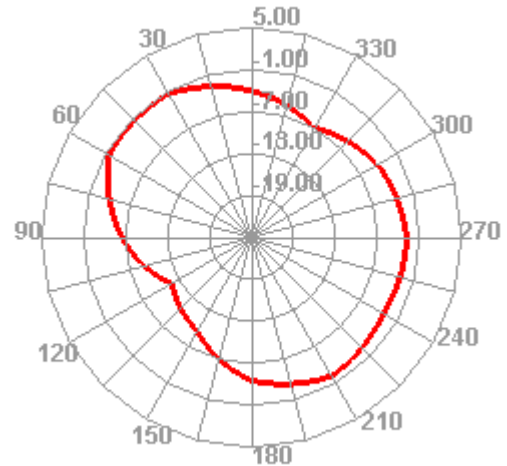
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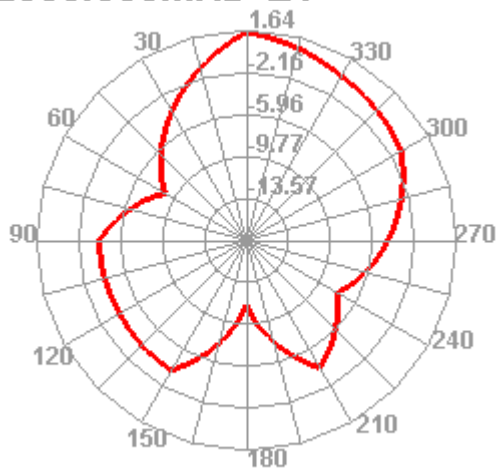
2500.000MHz



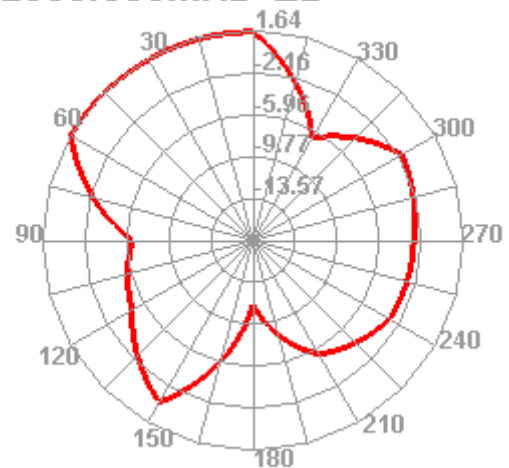
2500.000MHz H



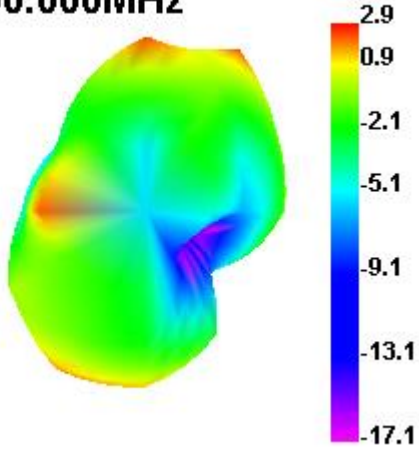
2500.000MHz E1



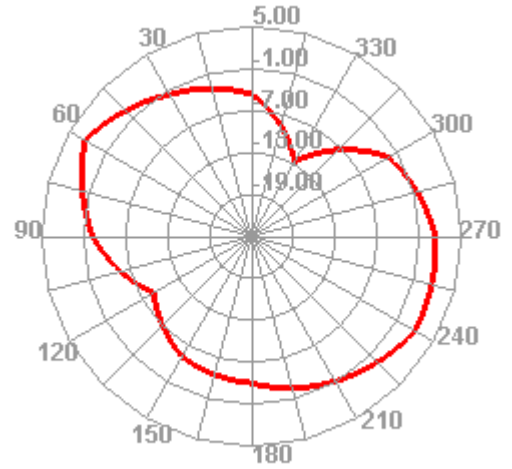
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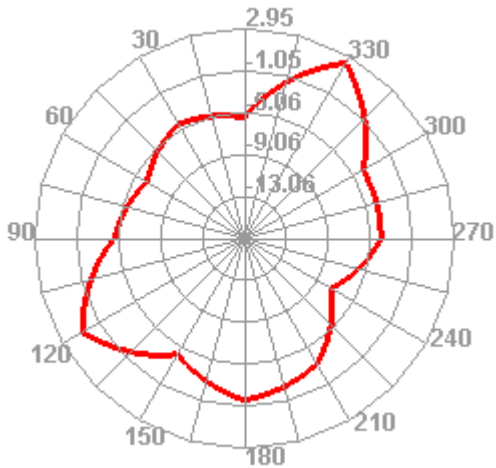
5200.000MHz



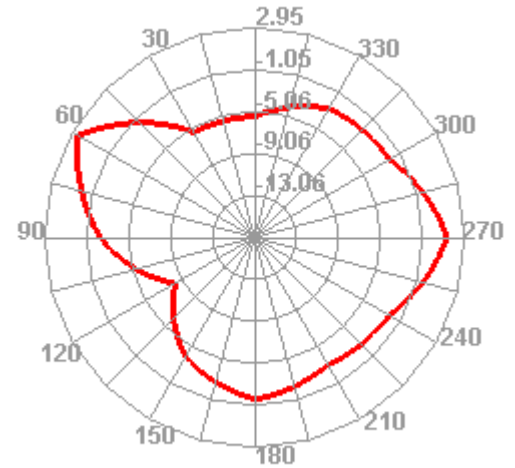
5200.000MHz H



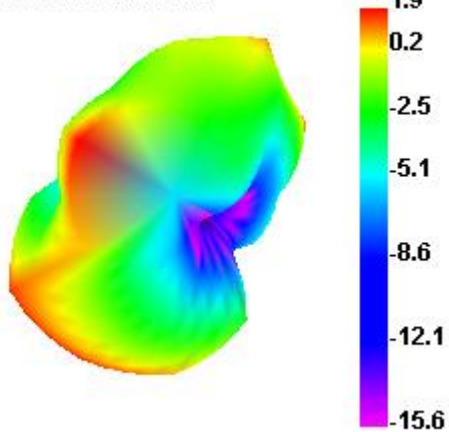
5200.000MHz E1



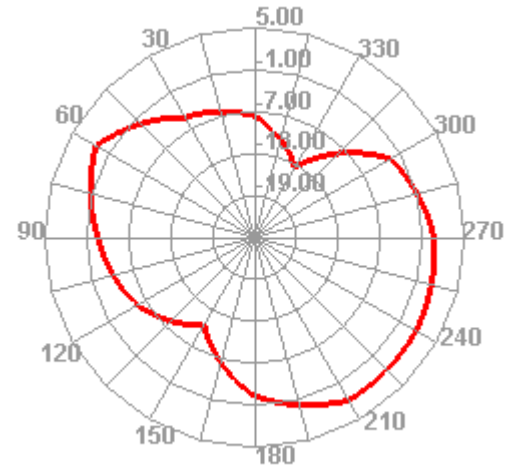
5200.000MHz E2



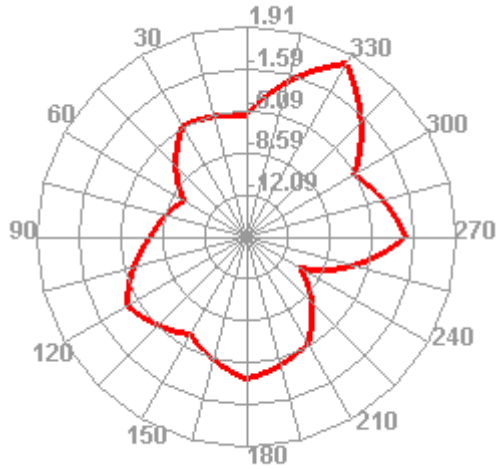
5500.000MHz



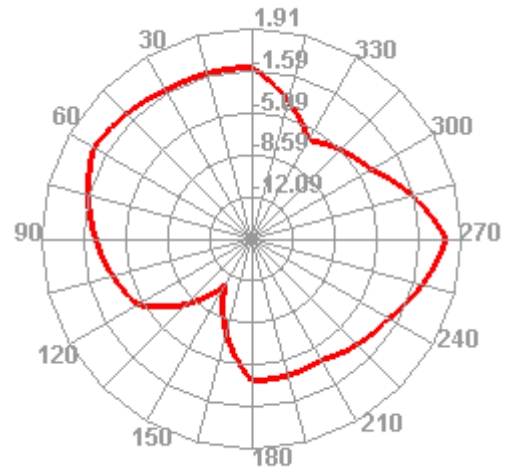
5500.000MHz H



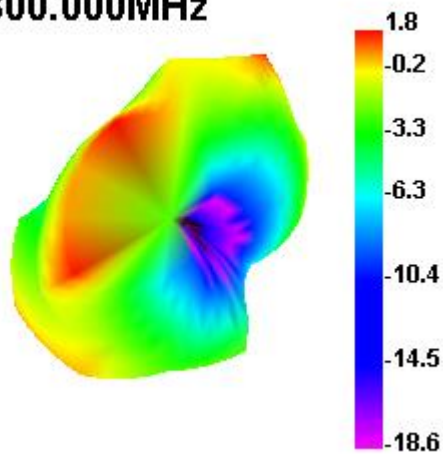
5500.000MHz E1



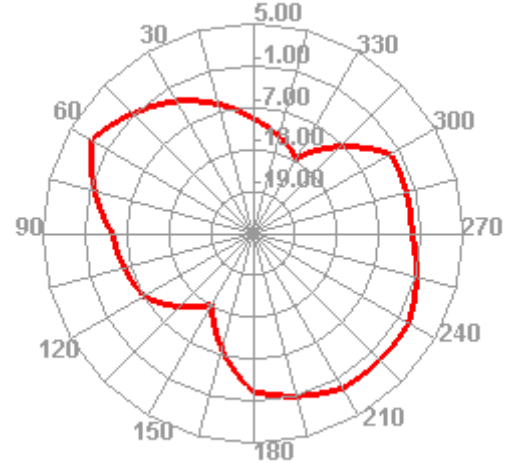
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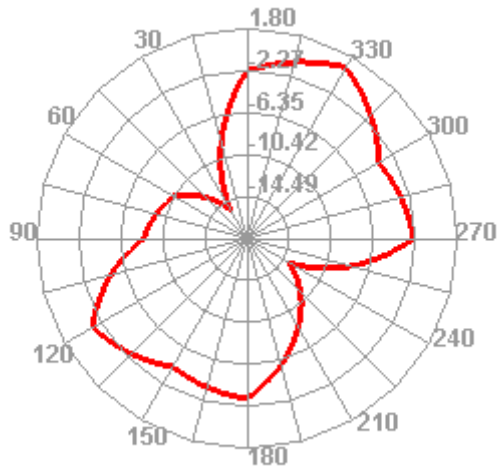
5800.000MHz



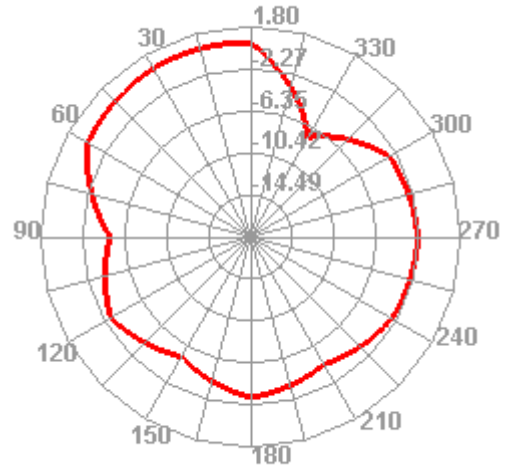
5800.000MHz H



5800.000MHz E1



5800.000MHz E2





4. Antenna Drawings

