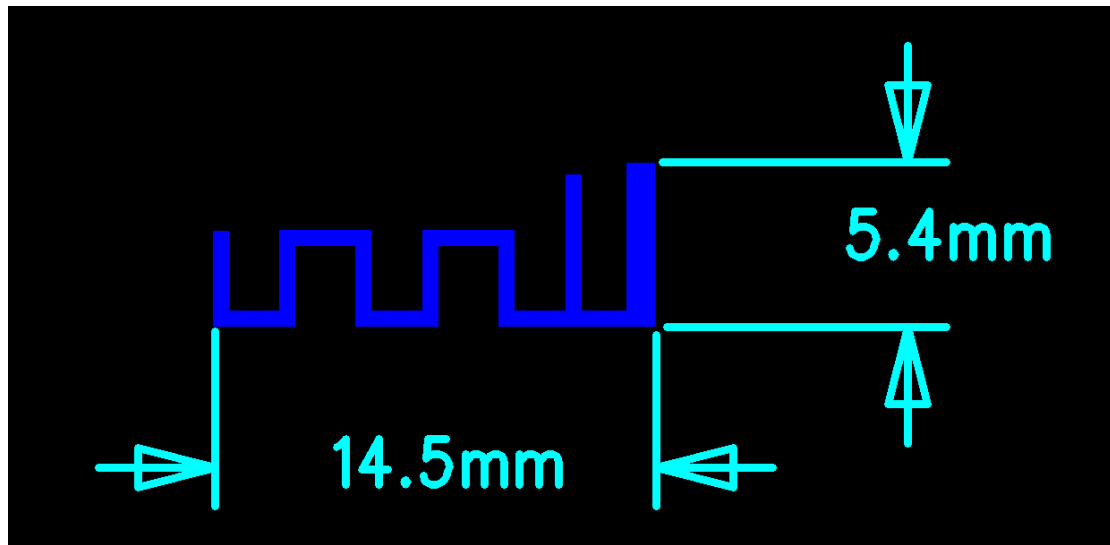


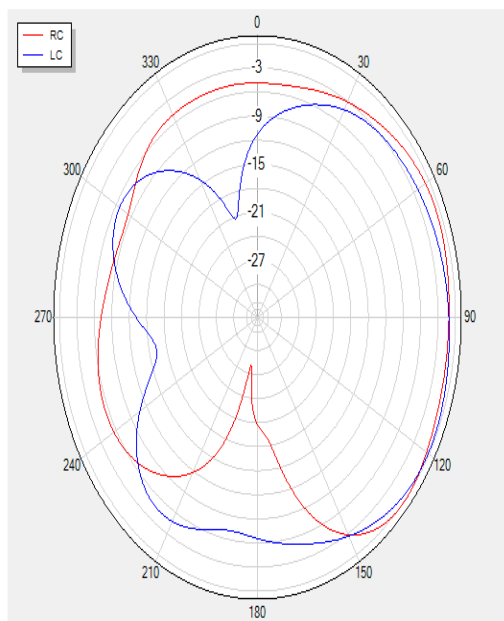
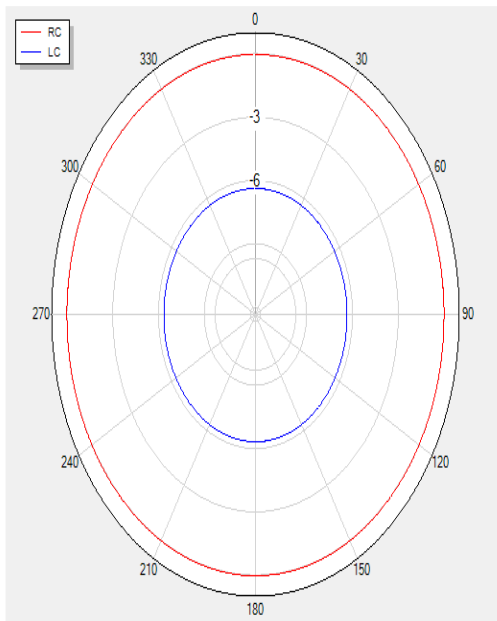
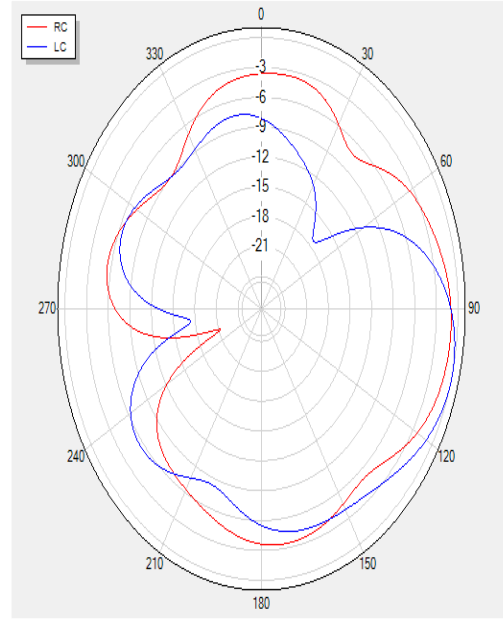
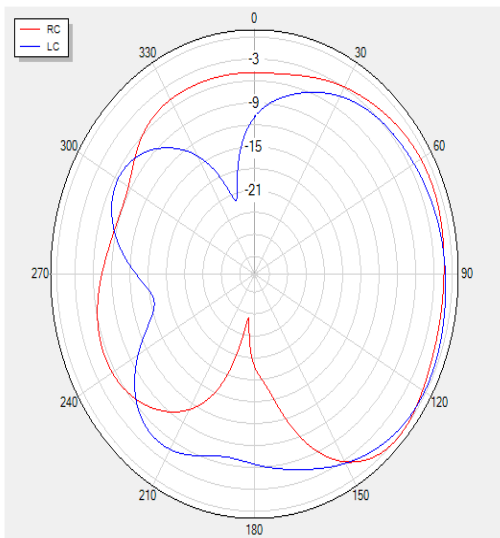
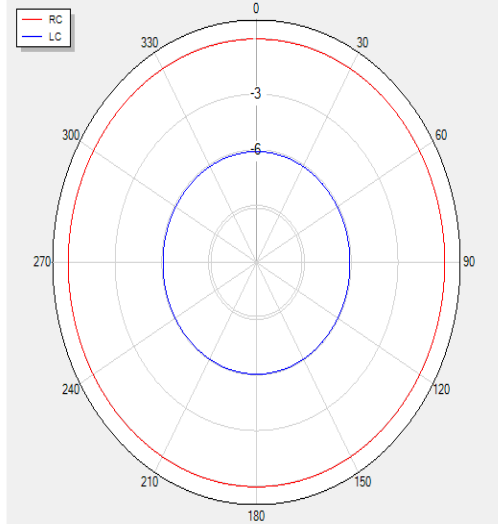
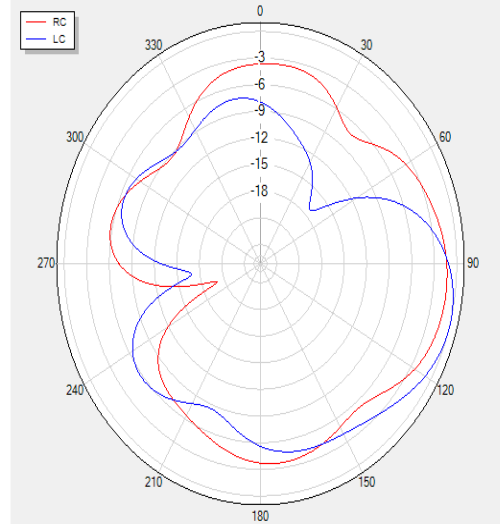
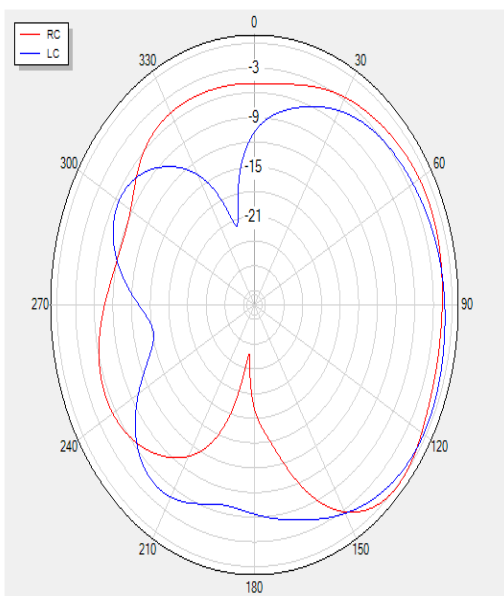
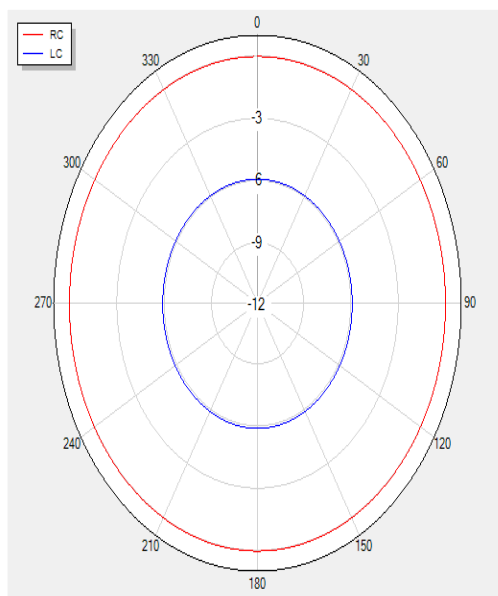
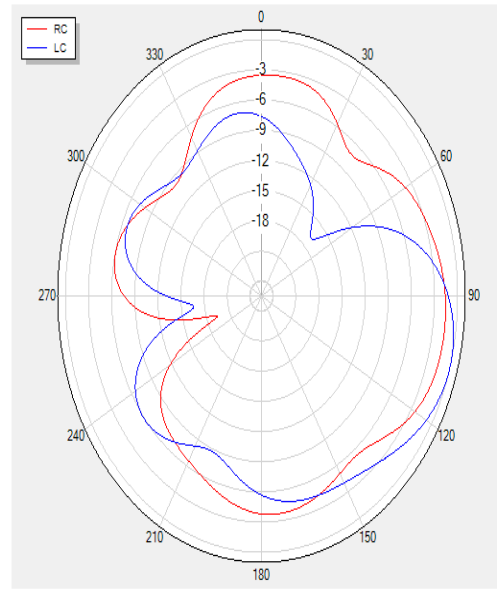
Inverted F PCB antenna specification



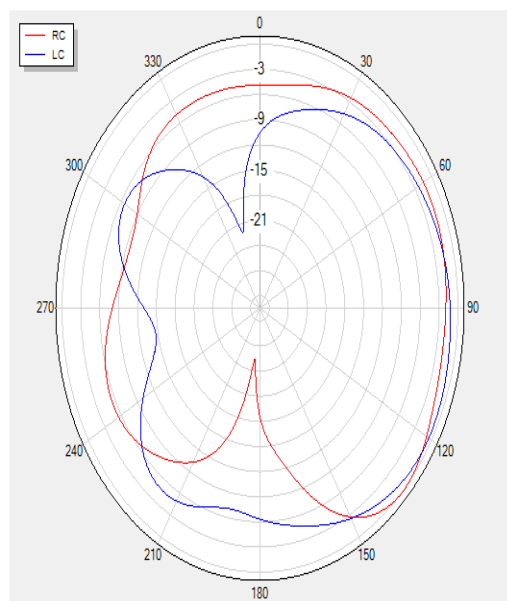
- 1: Dimension L x W : 14.5mm*5.4mm
- 2: Working Frequency : 2400MHZ-2500MHZ
- 3: Central Frequency: 2450MHZ
- 4: Bandwidth : 100MHZ (Min)
- 5: Return Loss : -10dB (Max)
- 6: Impedance : 50Ω
- 7: Peak Gain: 2.55 dBi
- 8: Operating Temperature : $-40\sim+85\text{ }^{\circ}\text{C}$
- 9: Polarization : Linear
- 10: Azimuth Beamwidth : Omni-directional
- 11: Model Type: CSIG F-2 Antenna
- 12: Manufacturer: CSIG Network Technology Co.ltd
- 13: Manufacturer Addr: Room 1701, Building 4#, No 4567 GaoQing Road, Pudong, Shanghai, China

Gain&Efficiency&PhaseCenter

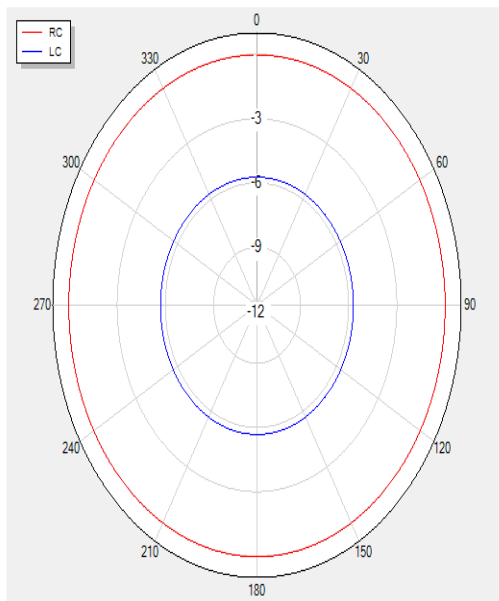
Gain&Efficiency&PhaseCenter 增益、效率和相位中心						
frequency 频率(MHz)	gain 增益(dBi)	gain 增益对应角度 (°)	CO Gain 主极化最大增益 (dBi)	CP Gain 交叉极化最大增益 (dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	2.55	$\psi=89, \theta=128$	0	0	-2.05	62.33
2410	1.84	$\psi=89, \theta=129$	0	0	-2.5	56.17
2420	2.37	$\psi=89, \theta=130$	0	0	-2.3	58.87
2430	2.23	$\psi=89, \theta=130$	0	0	-2.55	55.62
2440	1.46	$\psi=90, \theta=131$	0	0	-2.8	52.52
2450	1.74	$\psi=90, \theta=132$	0	0	-2.83	52.06
2460	1.57	$\psi=91, \theta=132$	0	0	-3.1	48.96
2470	1.17	$\psi=91, \theta=133$	0	0	-3.17	48.23
2480	1.48	$\psi=92, \theta=133$	0	0	-3.12	48.8
2490	0.73	$\psi=92, \theta=133$	0	0	-3.77	41.97
2500	0.79	$\psi=126, \theta=42$	0	0	-3.61	43.55
2510	1.05	$\psi=93, \theta=133$	0	0	-3.66	43.04
2520	0.52	$\psi=94, \theta=133$	0	0	-3.9	40.78
2530	0.69	$\psi=95, \theta=133$	0	0	-3.85	41.18
2540	0.67	$\psi=127, \theta=43$	0	0	-4.09	39.01
2550	0.18	$\psi=127, \theta=44$	0	0	-4.31	37.08
2560	0.29	$\psi=129, \theta=44$	0	0	-4.38	36.44
2570	0.17	$\psi=131, \theta=44$	0	0	-4.65	34.28
2580	-0.71	$\psi=134, \theta=44$	0	0	-5.24	29.93
2590	-0.36	$\psi=150, \theta=45$	0	0	-5.18	30.31
2600	-0.79	$\psi=154, \theta=46$	0	0	-5.64	27.27

Phi=90 freq=2400MHz**Theta=0 freq=2400MHz****Theta=90 freq=2400MHz****Phi=90 freq=2410MHz****Theta=0 freq=2410MHz****Theta=90 freq=2410MHz****Phi=90 freq=2420MHz****Theta=0 freq=2420MHz****Theta=90 freq=2420MHz**

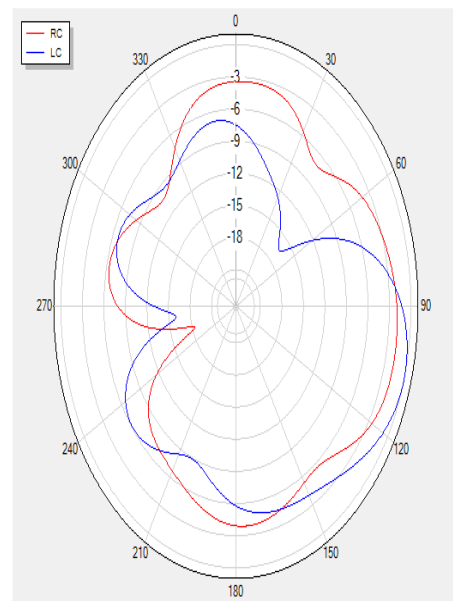
Phi=90 freq=2430MHz



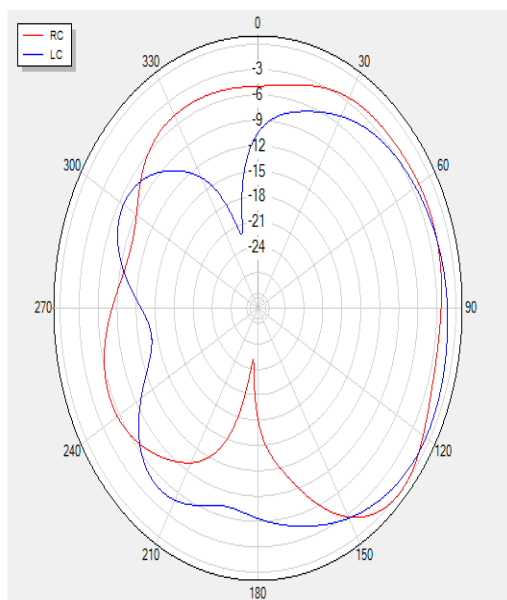
Theta=0 freq=2430MHz



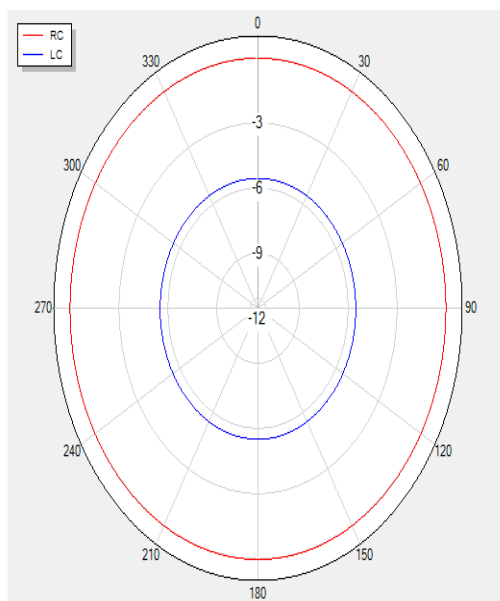
Theta=90 freq=2430MHz



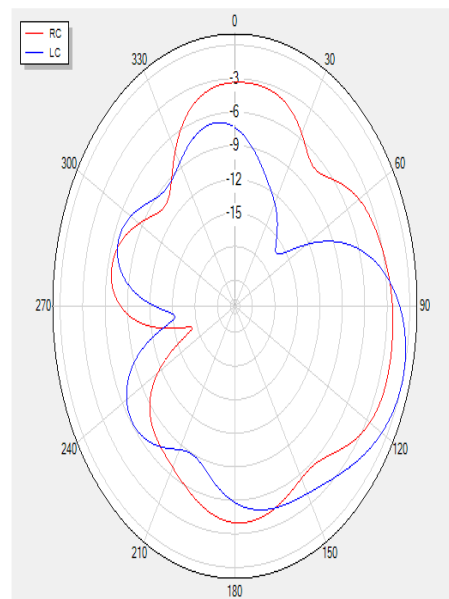
Phi=90 freq=2440MHz



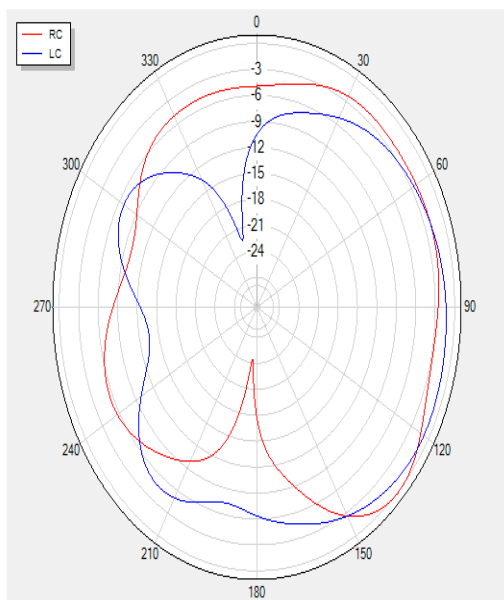
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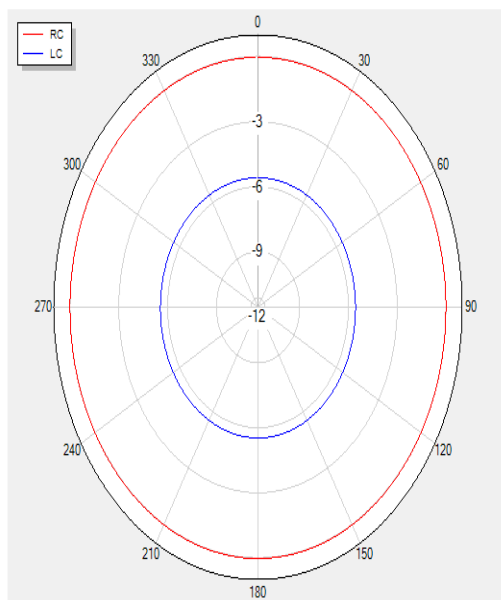
Theta=90 freq=2440MHz



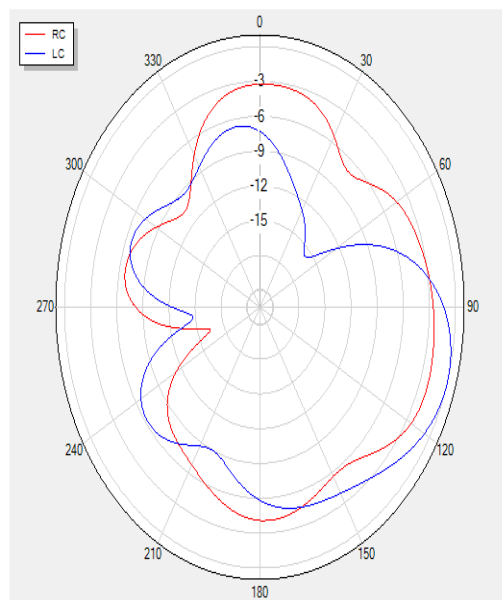
Phi=90 freq=2450MHz



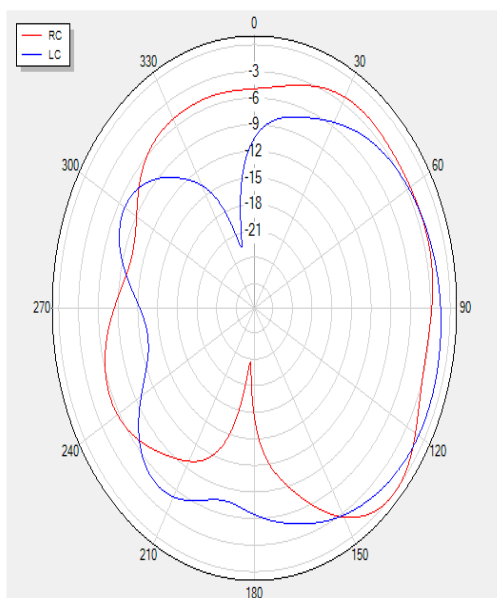
Theta=0 freq=2450MHz



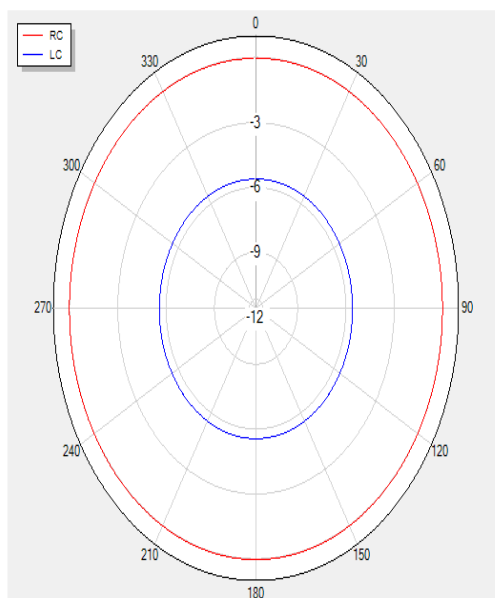
Theta=90 freq=2450MHz



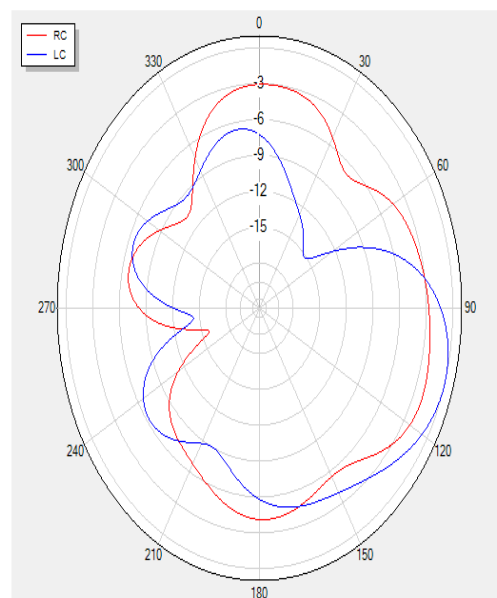
Phi=90 freq=2460MHz



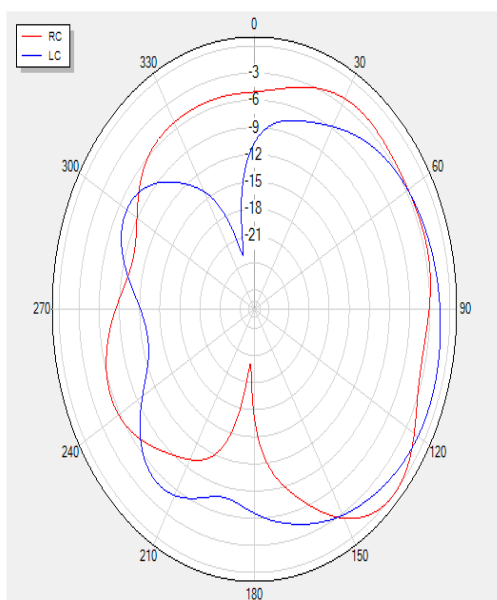
Theta=0 freq=2460MHz



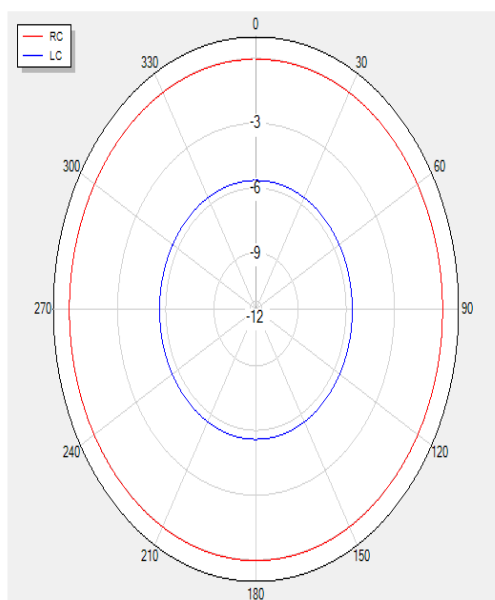
Theta=90 freq=2460MHz



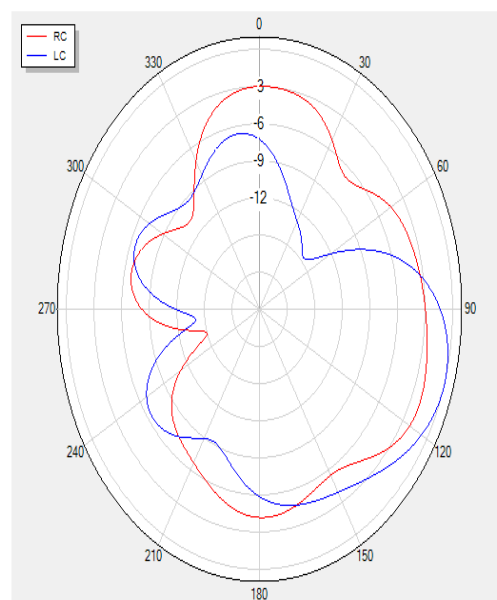
Phi=90 freq=2470MHz



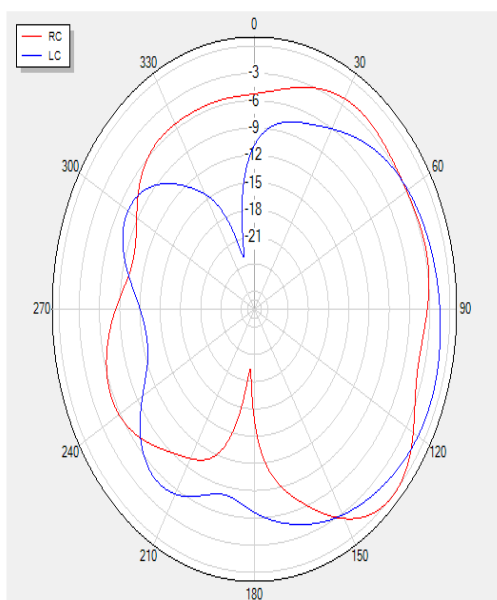
Theta=0 freq=2470MHz



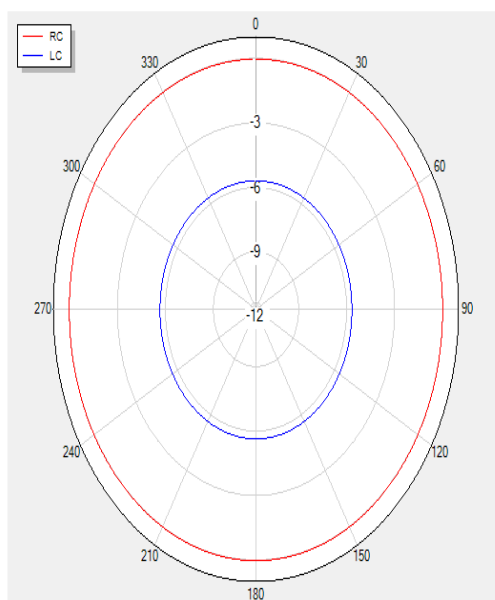
Theta=90 freq=2470MHz



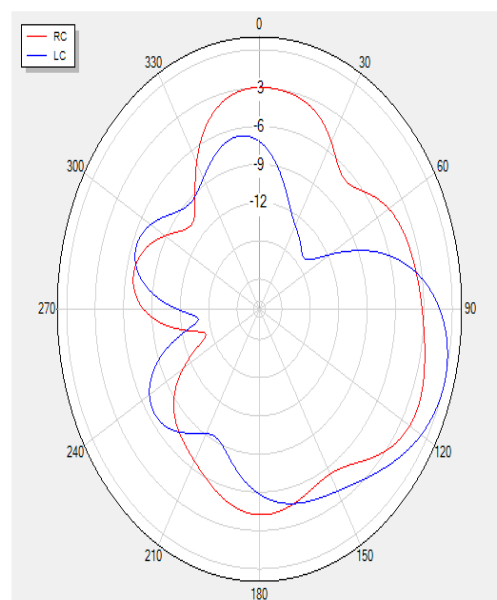
Phi=90 freq=2480MHz



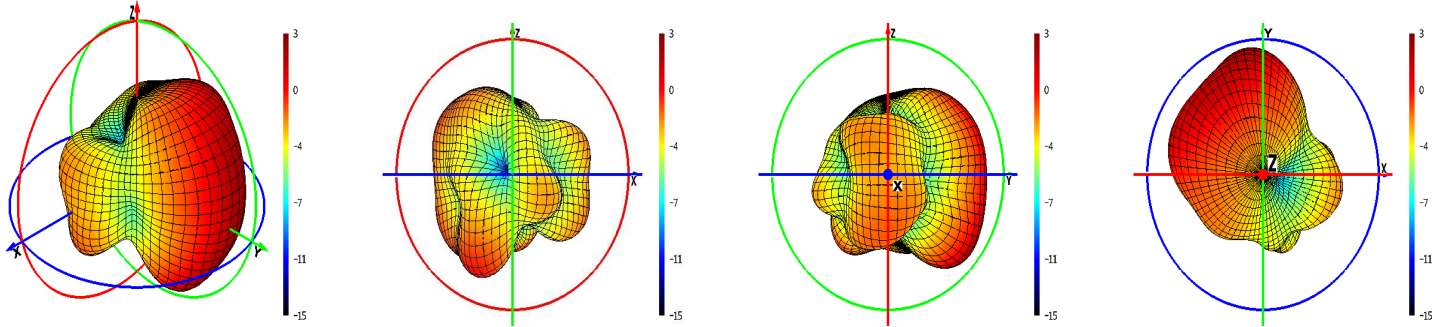
Theta=0 freq=2480MHz



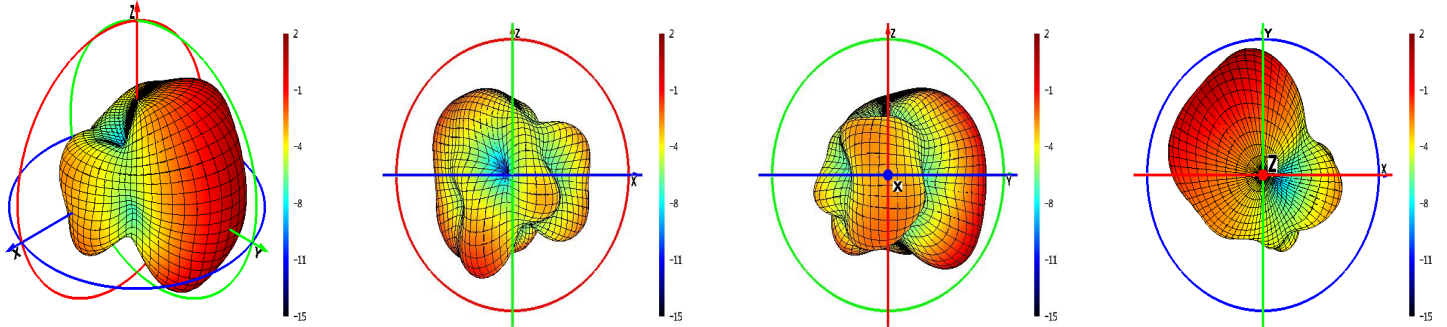
Theta=90 freq=2480MHz



2400



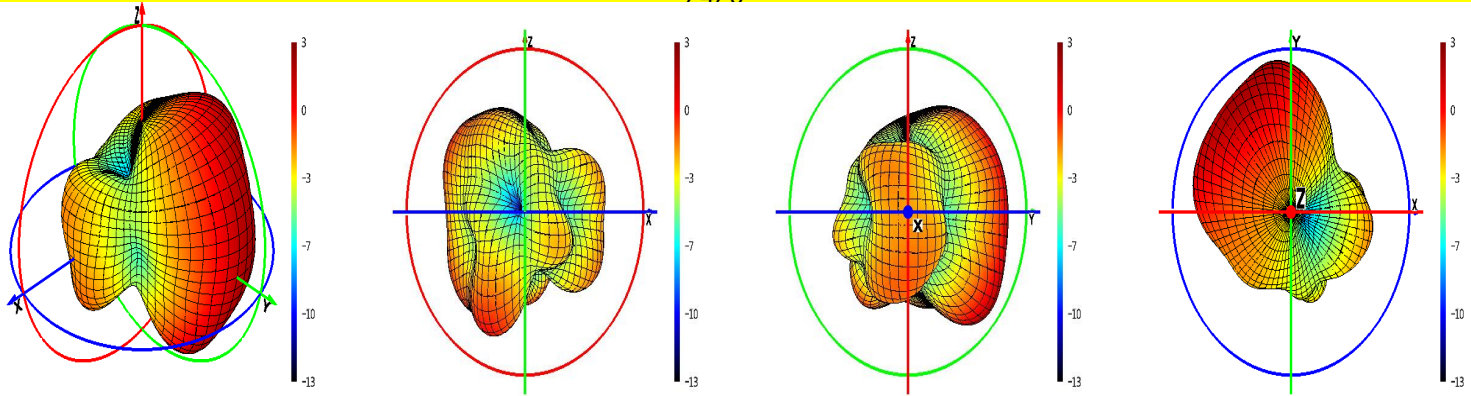
2410



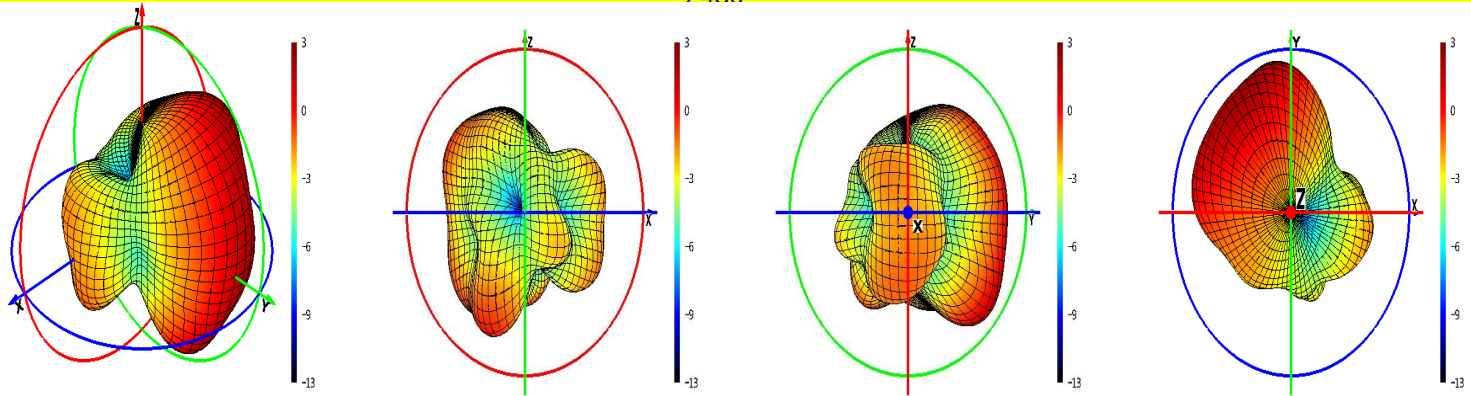
2420

MHz

2420

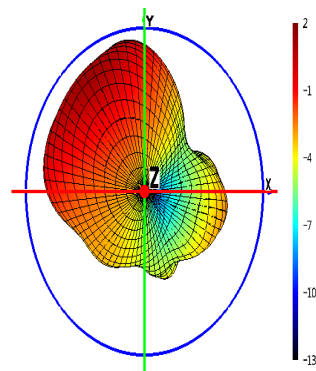
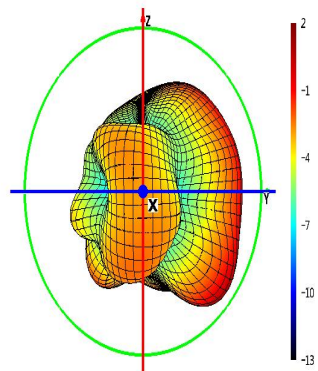
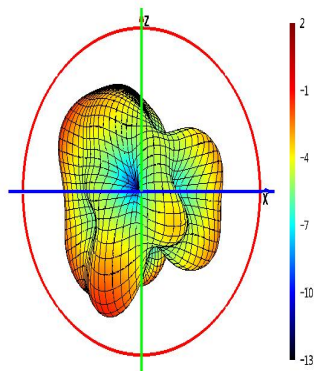
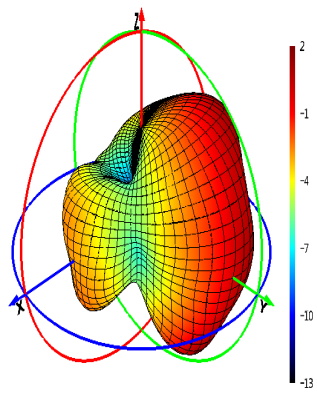


2430

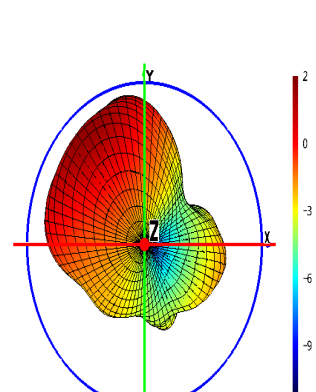
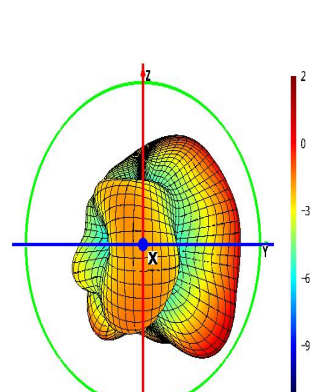
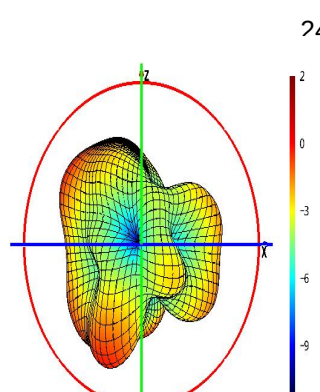
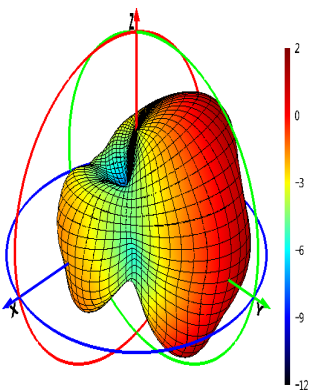


2440

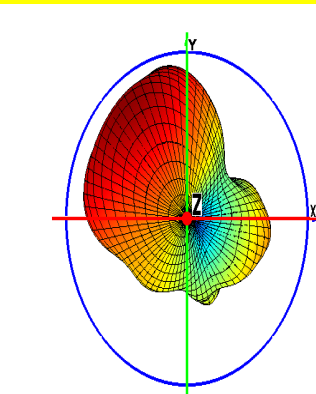
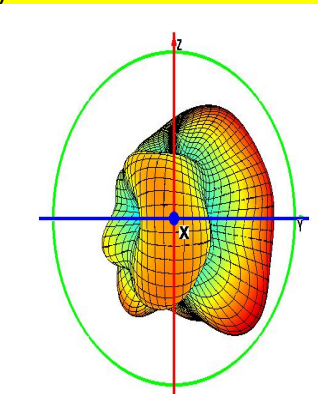
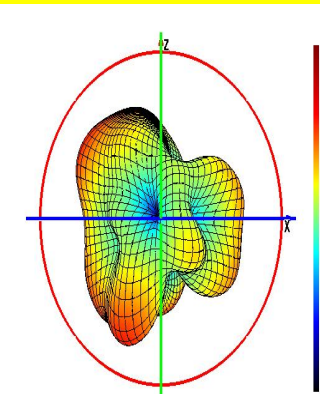
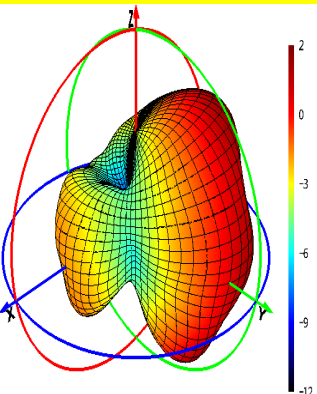
MHz



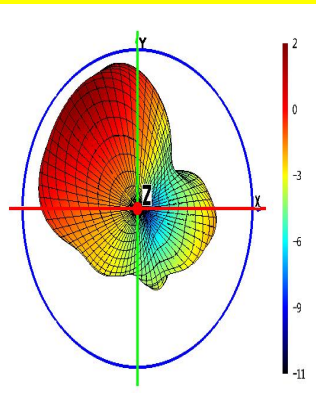
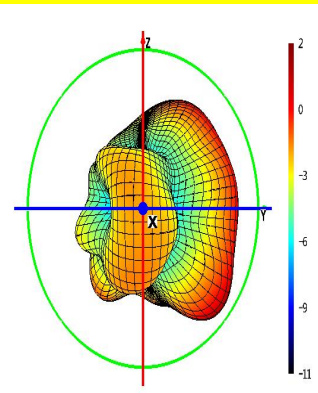
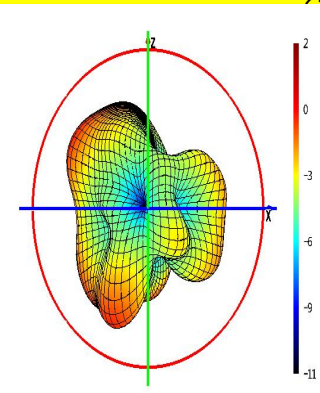
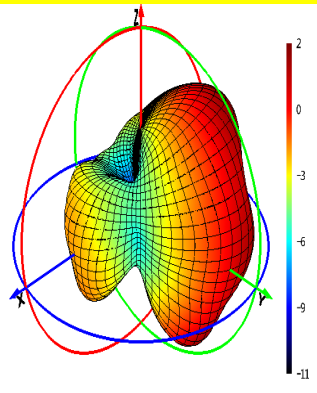
2450

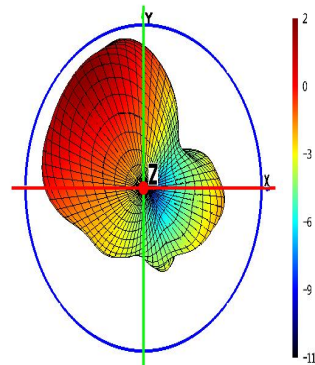
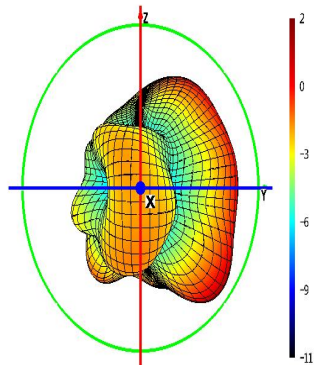
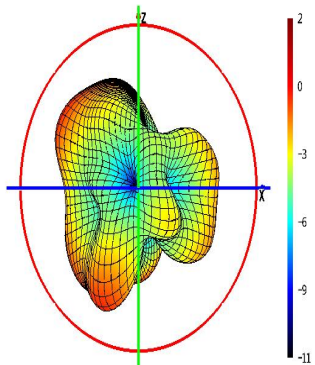
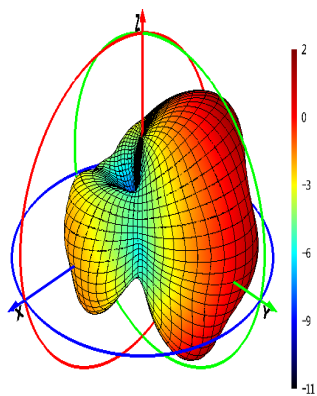


2460

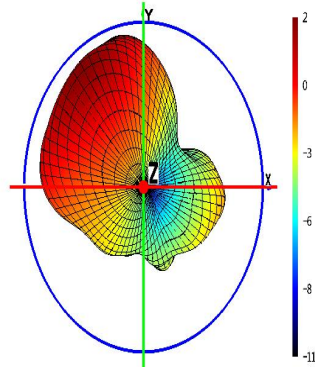
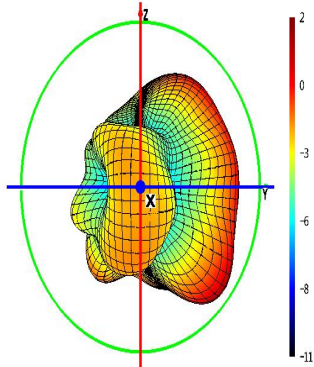
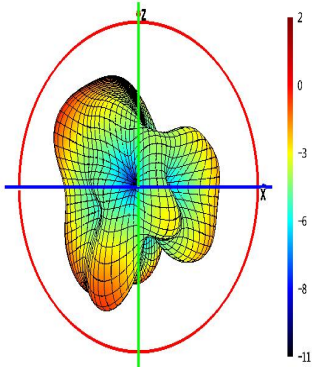
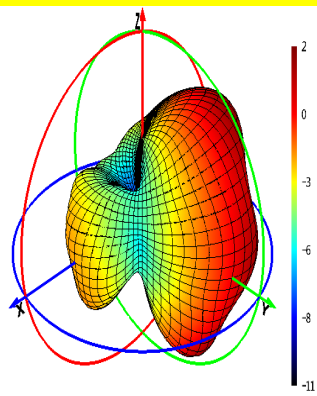


2470





2480



2490
MHz