

Antenna parameter 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: Maximum Peak Gain: 2.55 dBi
- 8: Operating Temperature : -40~+85 °C
- 9: Polarization : Linear
- 10: Azimuth Beamwidth : Omni-directional
- 11: Model Type: CSIG F-2 Antenna

Manufacturer: CSIG Network Technology Co.ltd

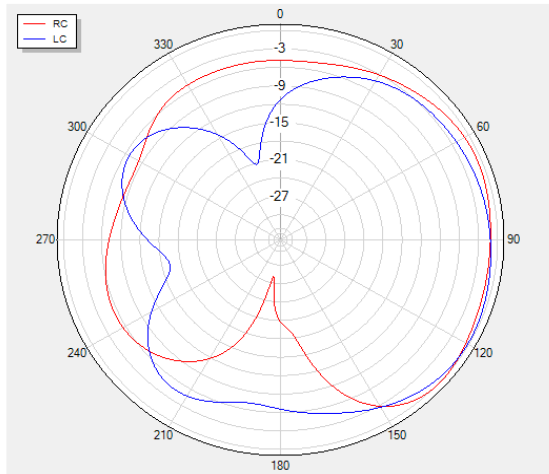
Address of Manufacturer : Room 1701, Building 4#, No 4567 GaoQing Road,
Pudong, Shanghai, China

1、Test result:

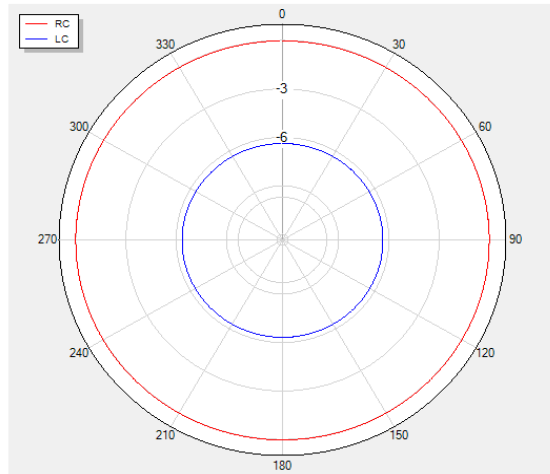
Gain&Efficiency&Phase Center						
Fequency (MHz)	Gain (dBi)	Gain angle (°)	CO Gain (dBi)	CP Gain (dBi)	efficiency (dB)	efficiency (%)
2400	2.55	$\psi=89, \theta=128$	0	0	-2.05	62.33
2410	1.84	$\psi=89, \theta=129$	0	0	-2.5	56.17
2420	2.37	$\psi=89, \theta=130$	0	0	-2.3	58.87
2430	2.23	$\psi=89, \theta=130$	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

2、 Polar graphs:

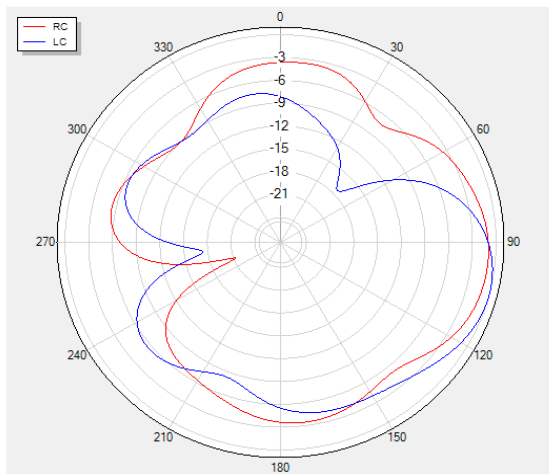
Phi=90 freq=2400MHz



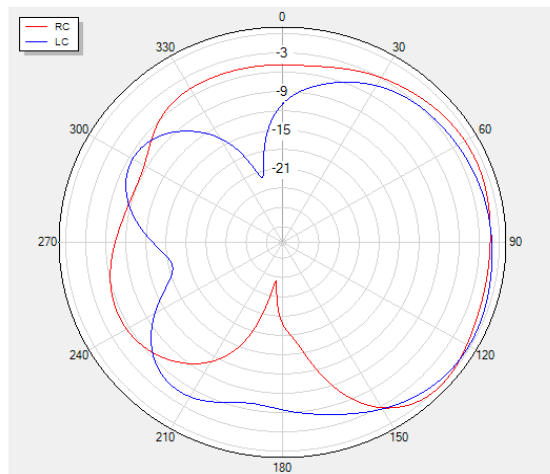
Theta=0 freq=2400MHz



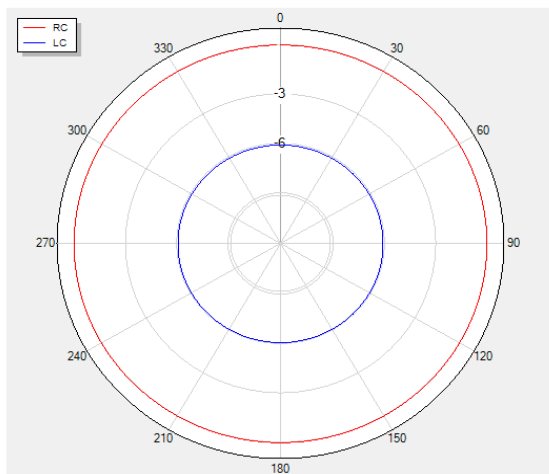
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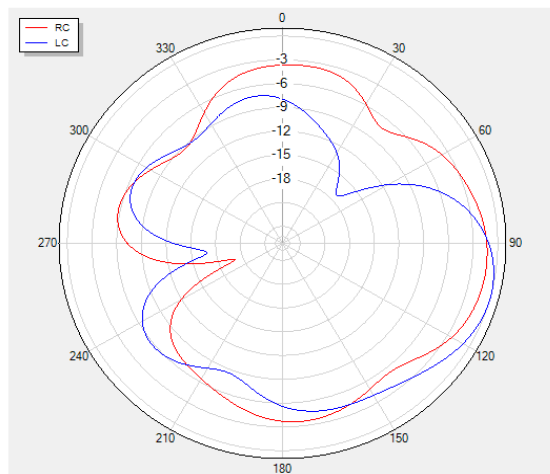
Phi=90 freq=2410MHz



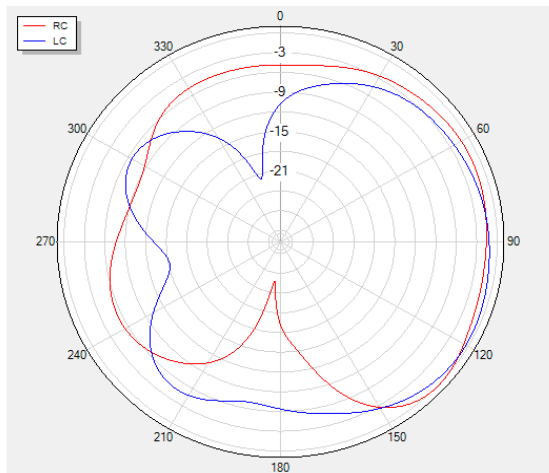
Theta=0 freq=2410MHz



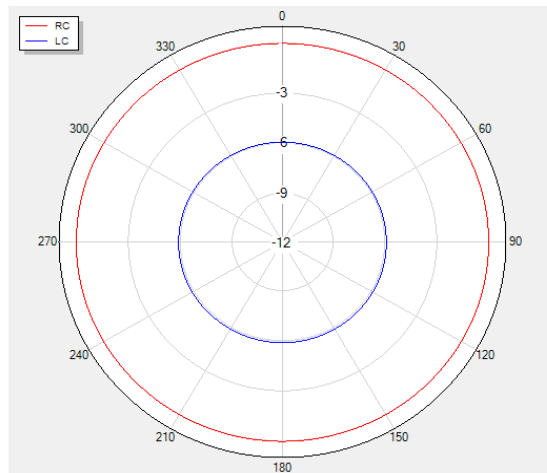
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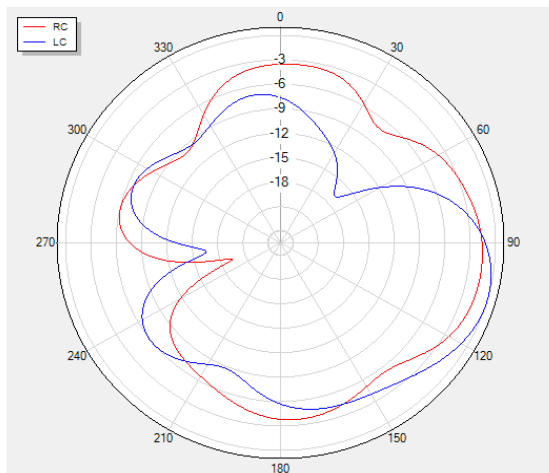
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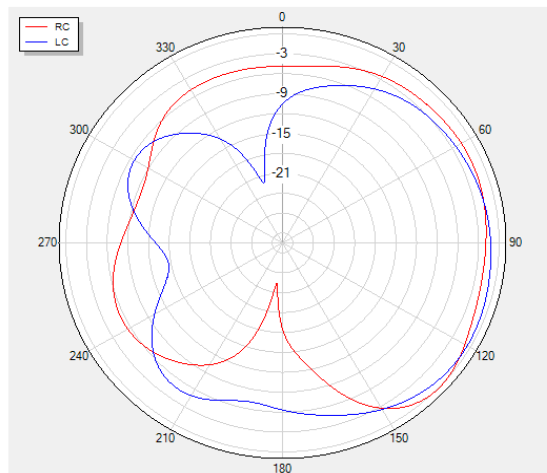
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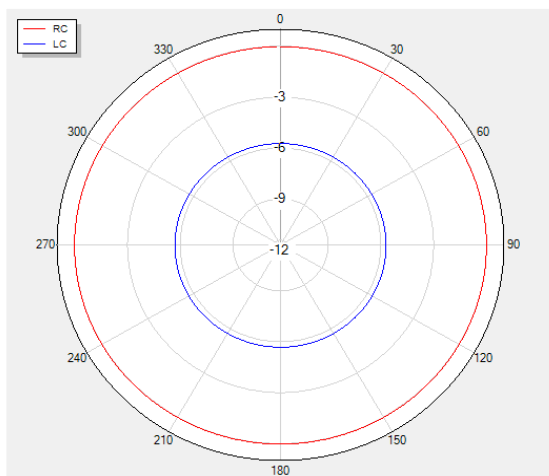
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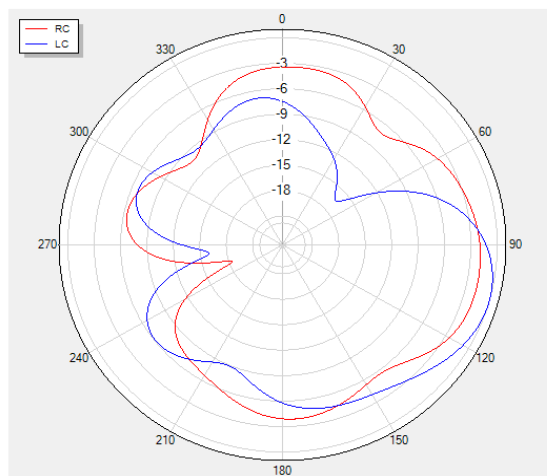
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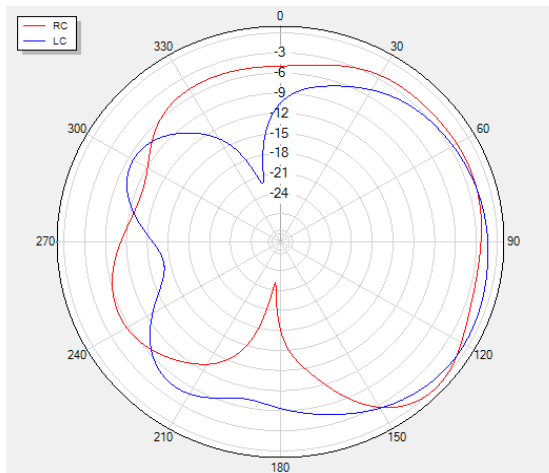
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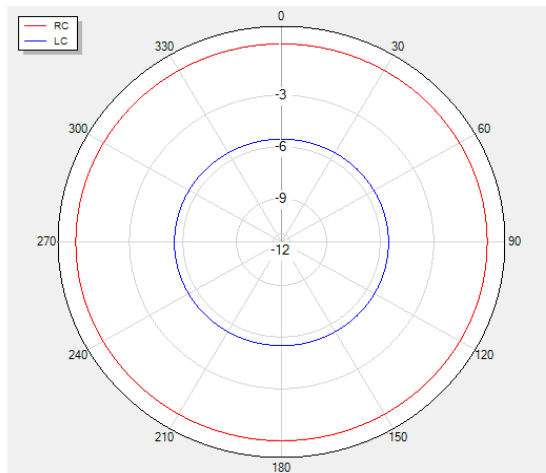
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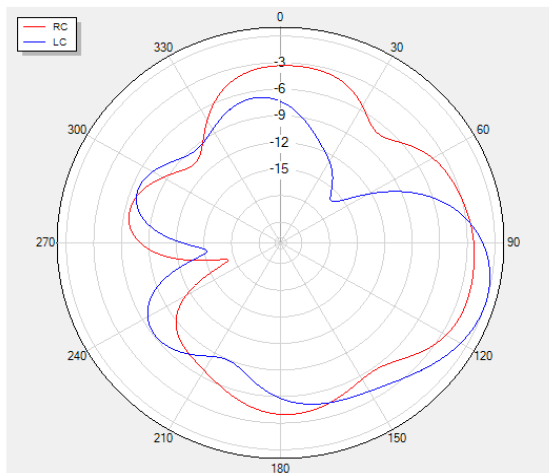
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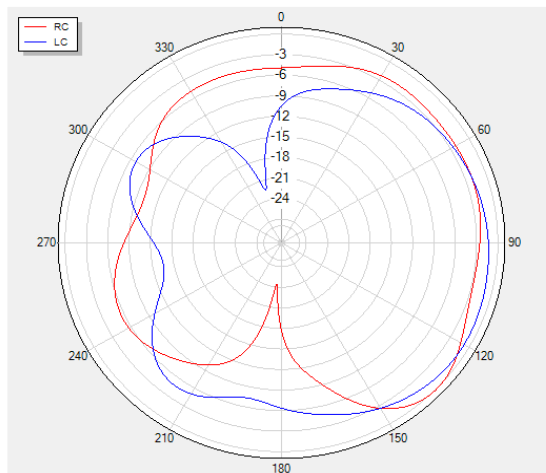
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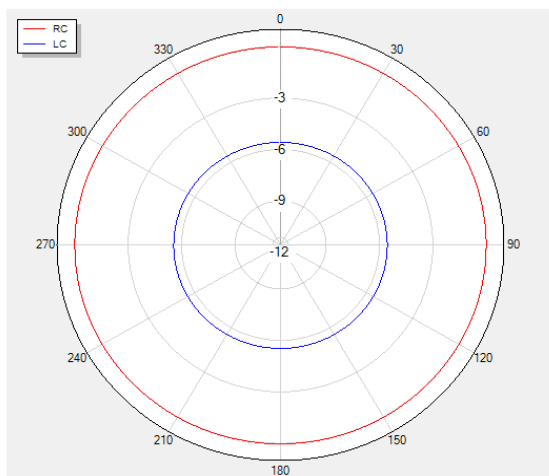
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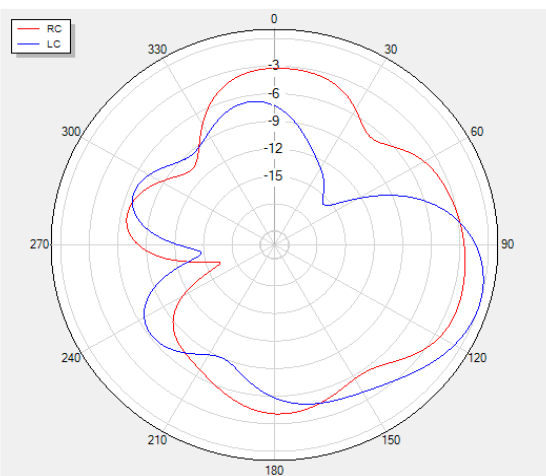
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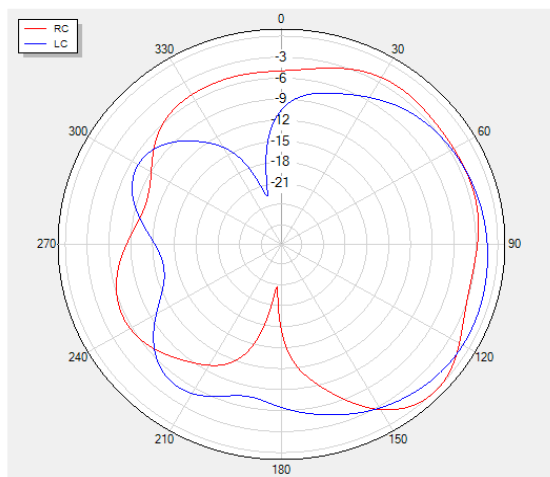
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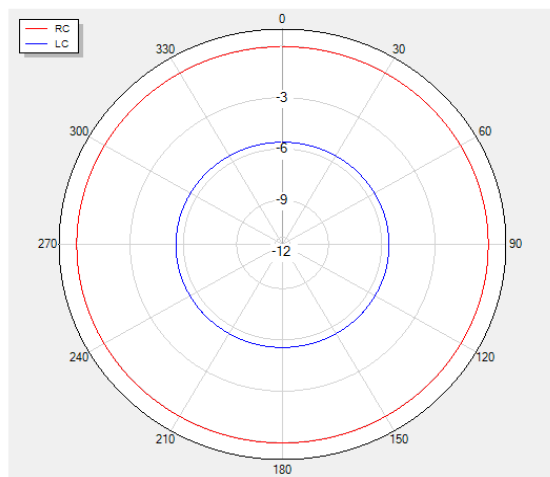
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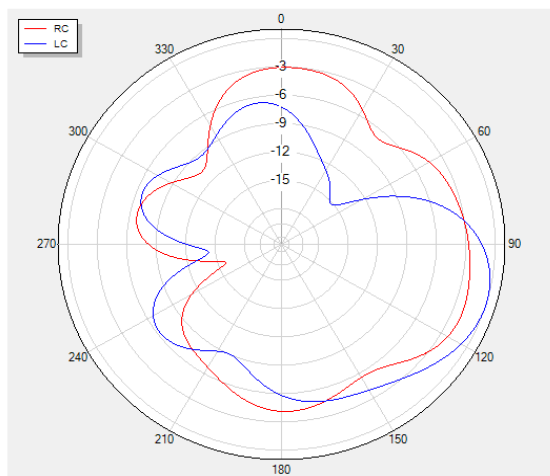
Phi=90 freq=2460MHz



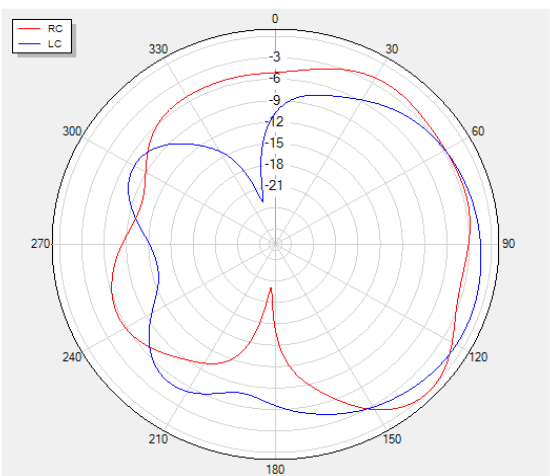
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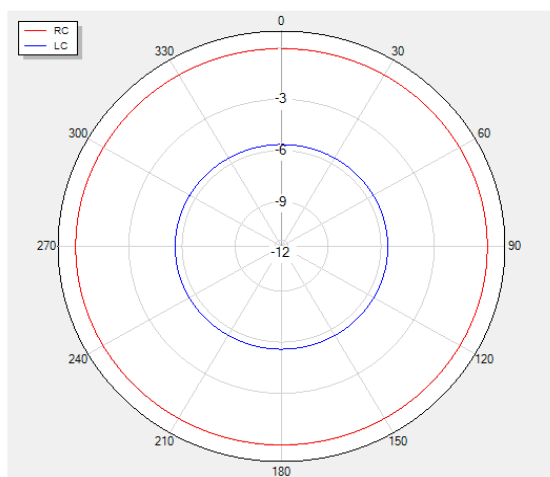
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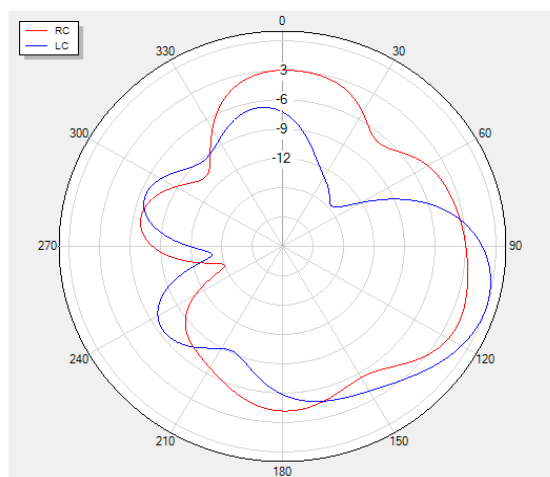
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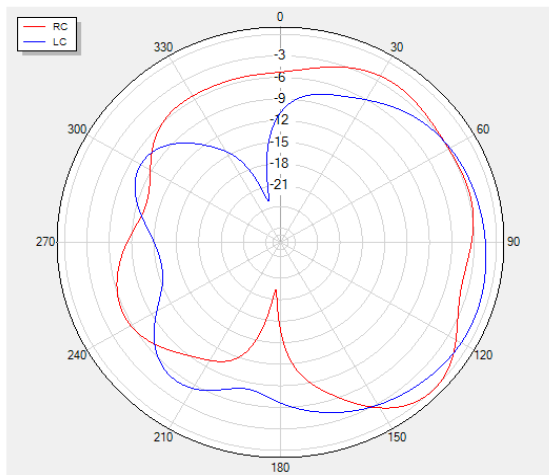
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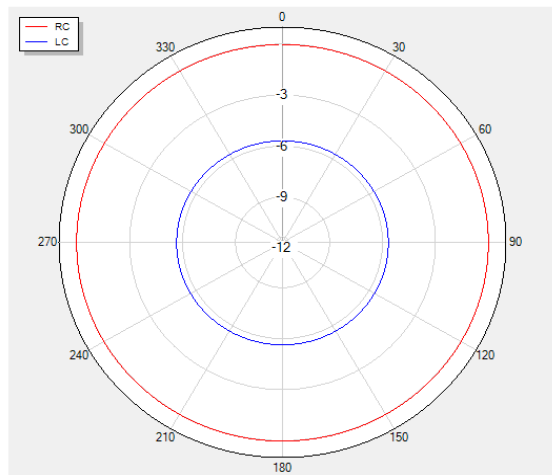
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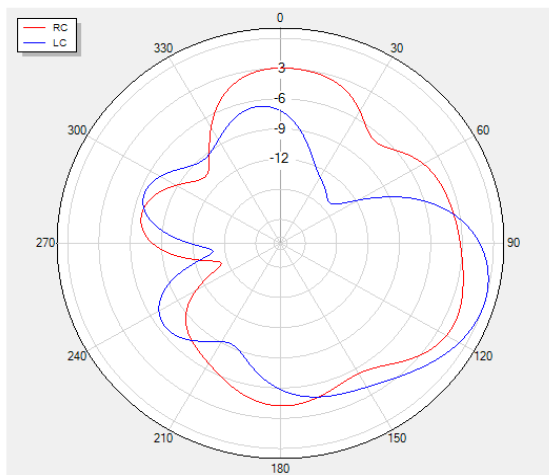
Phi=90 freq=2480MHz



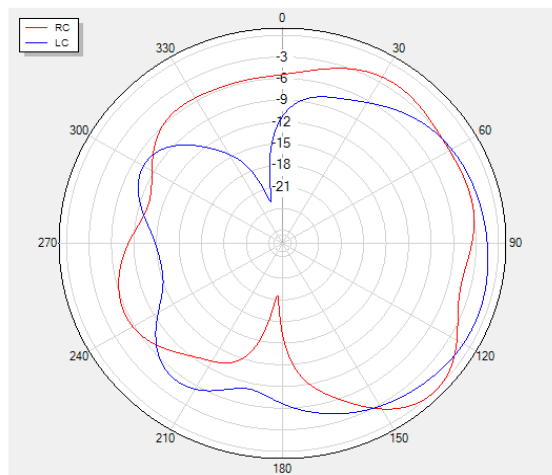
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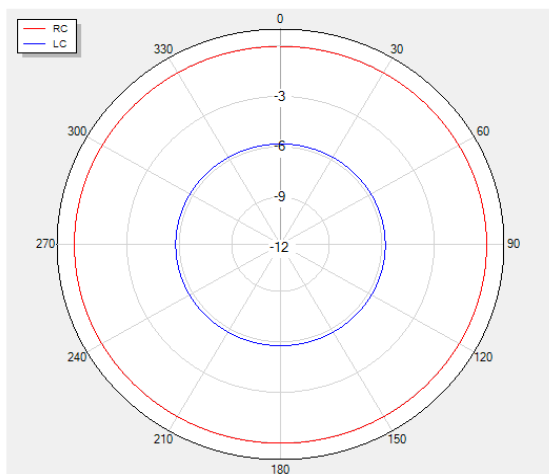
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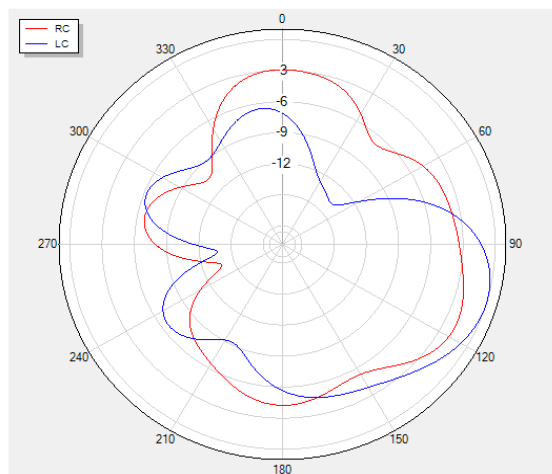
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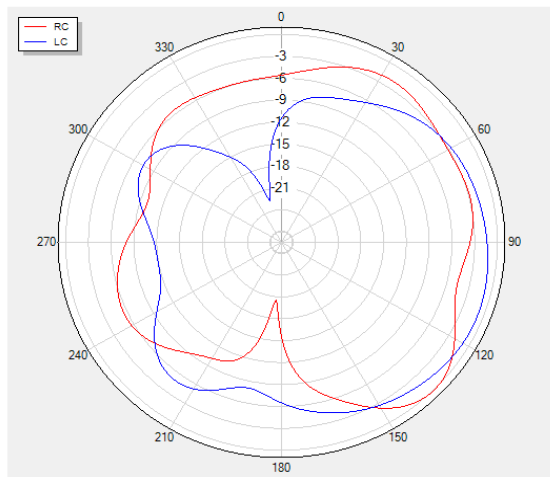
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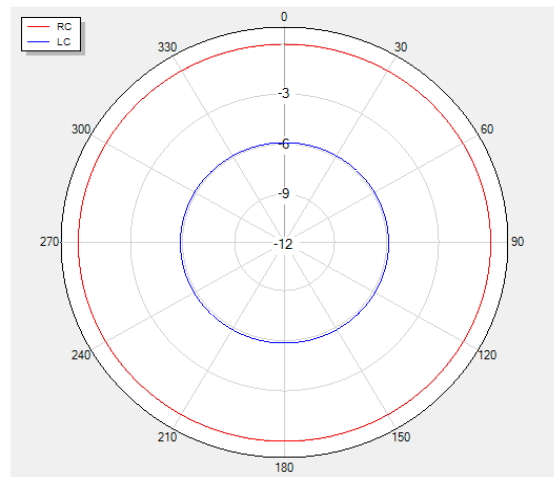
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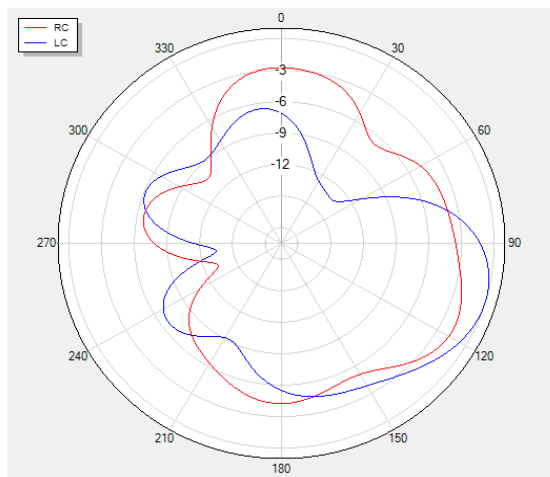
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Theta=0 freq=2500MHz

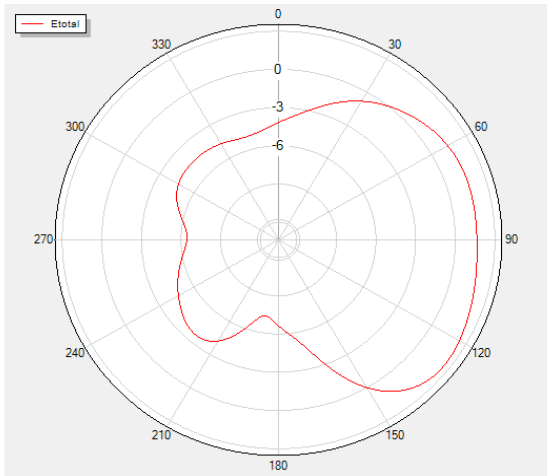


Theta=90 freq=2500MHz

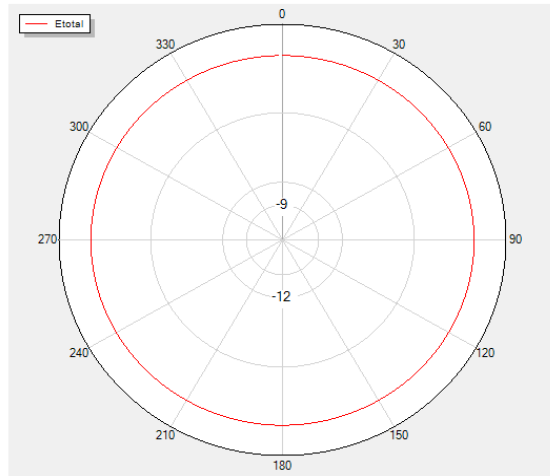


3、E-total graphs:

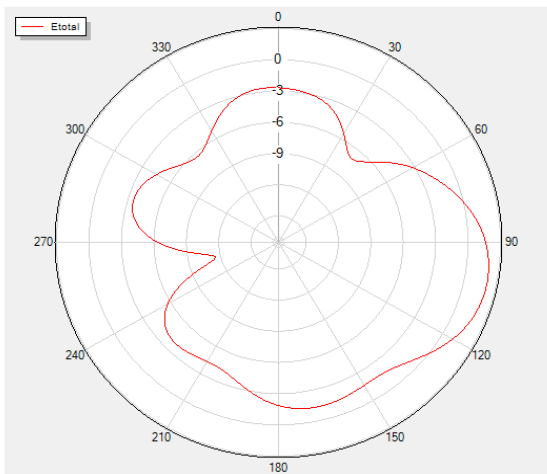
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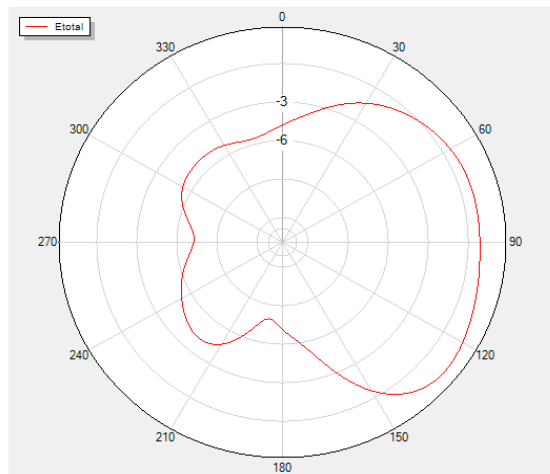
Theta=0 Freq=2400MHz



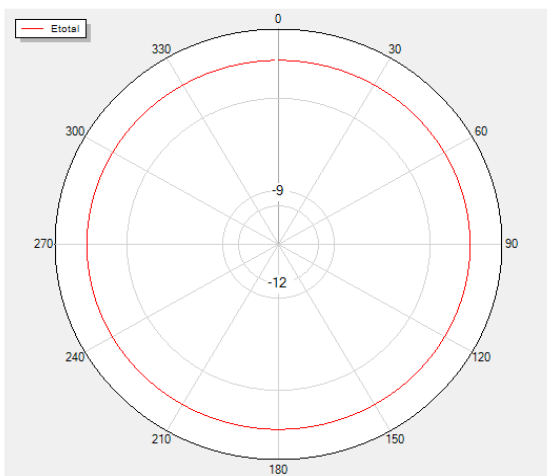
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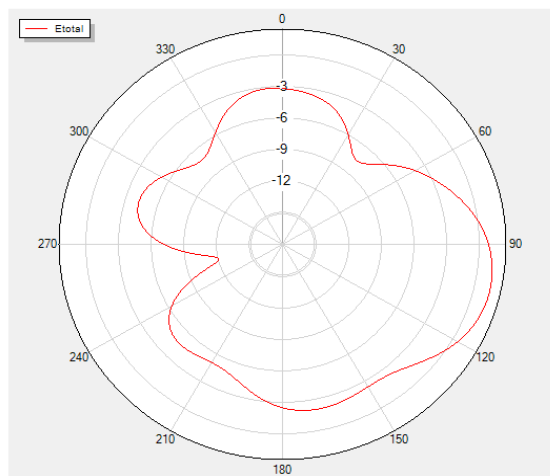
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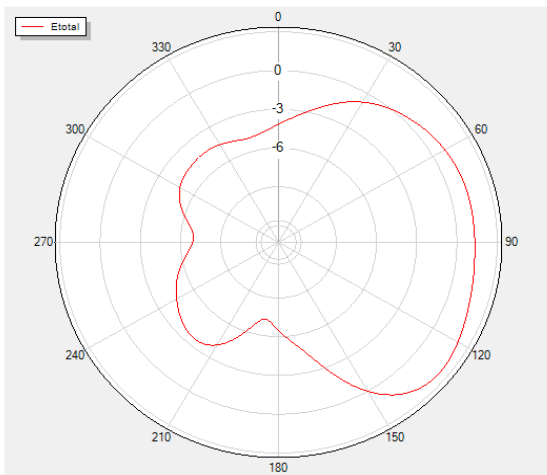
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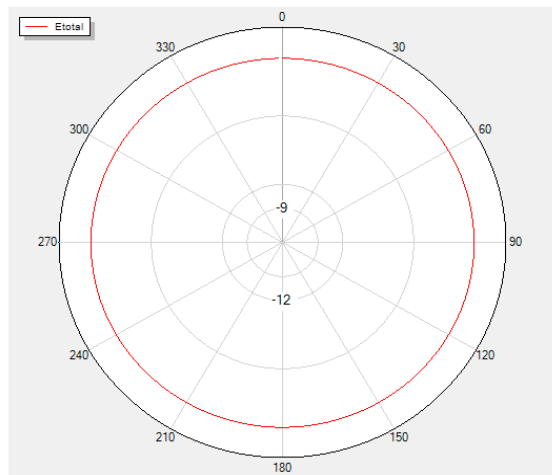
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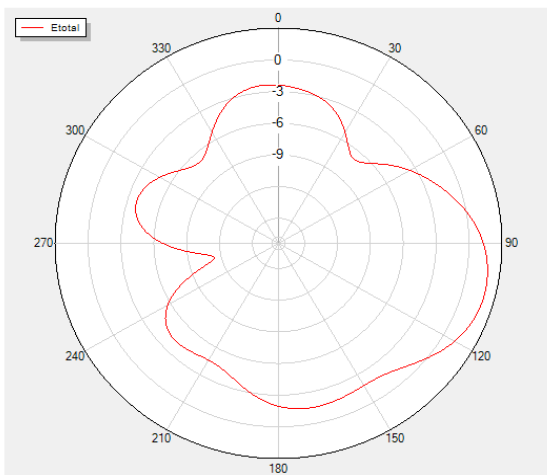
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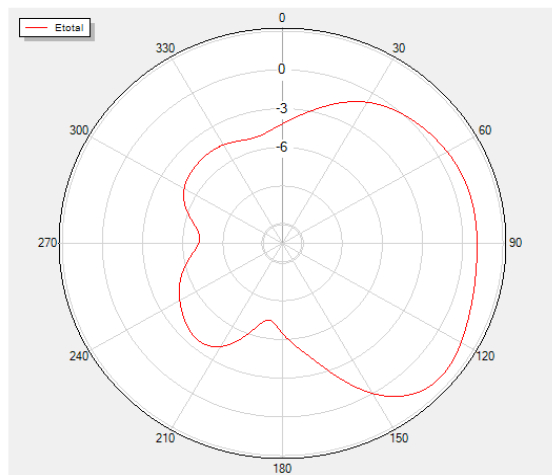
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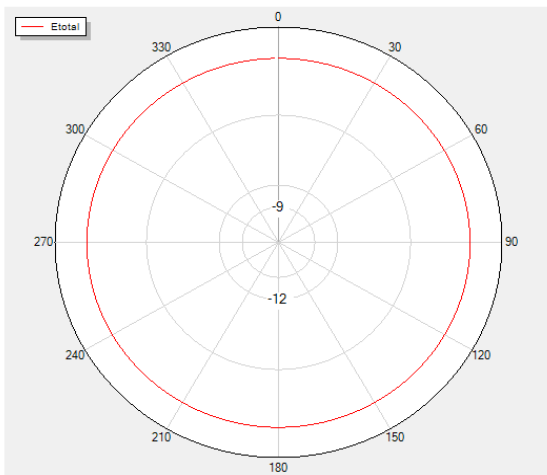
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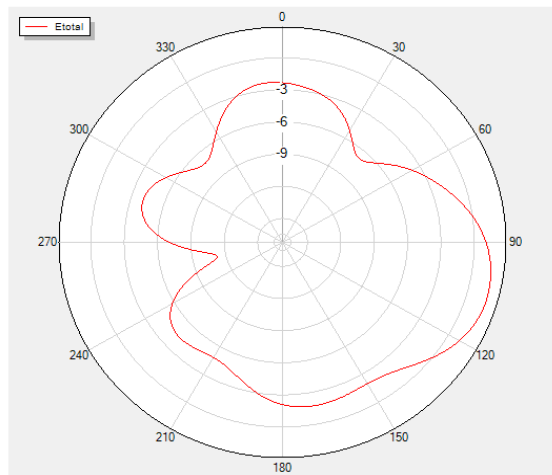
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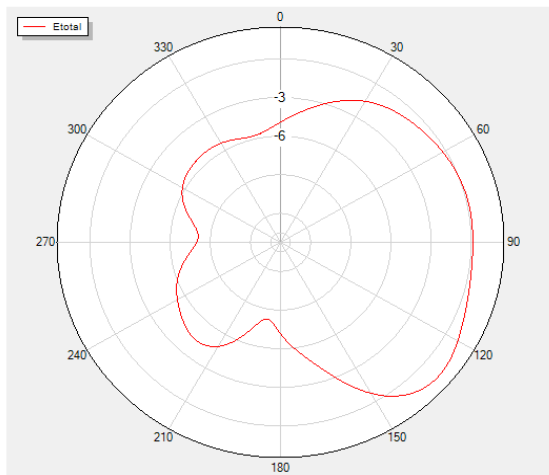
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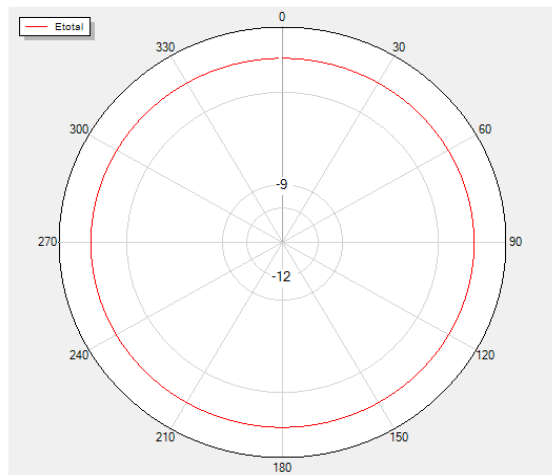
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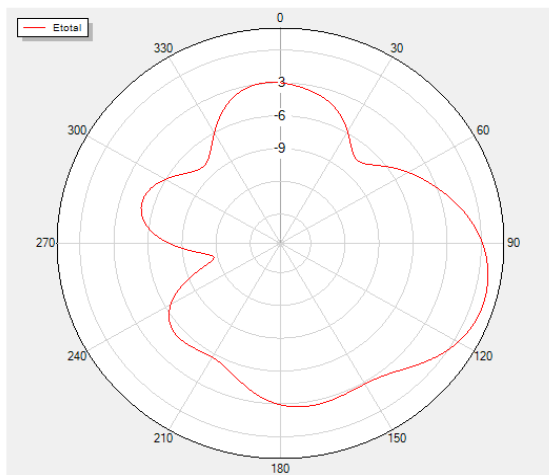
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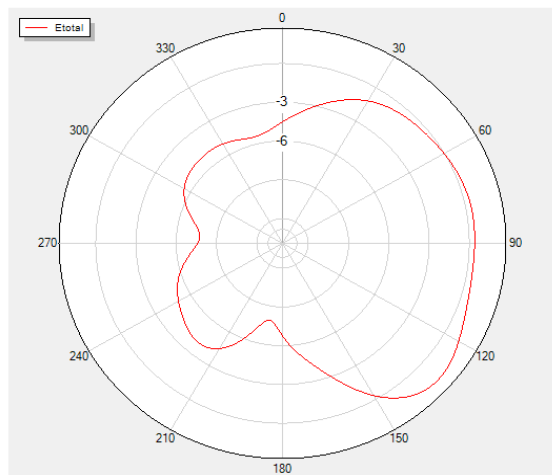
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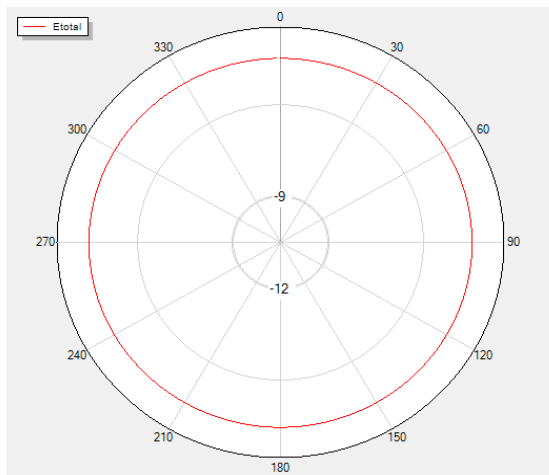
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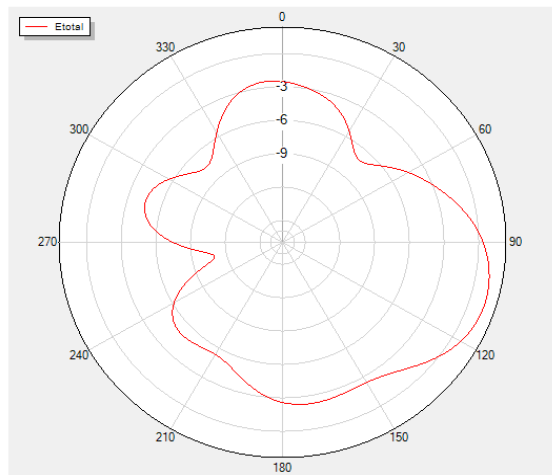
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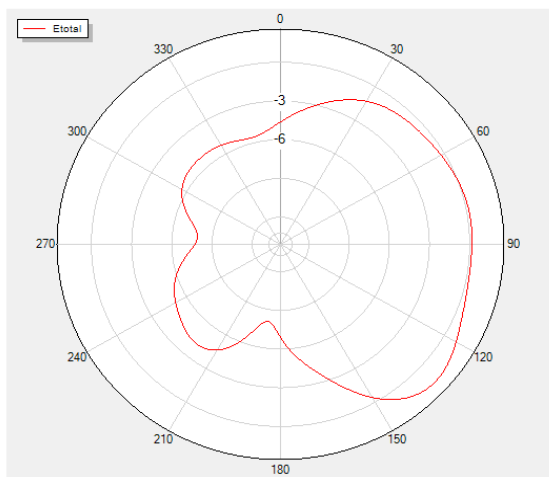
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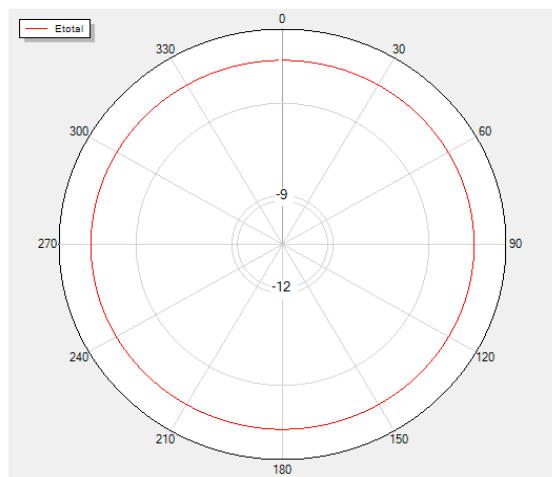
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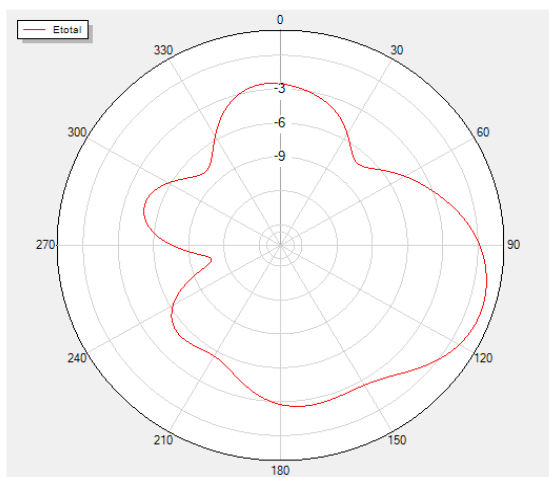
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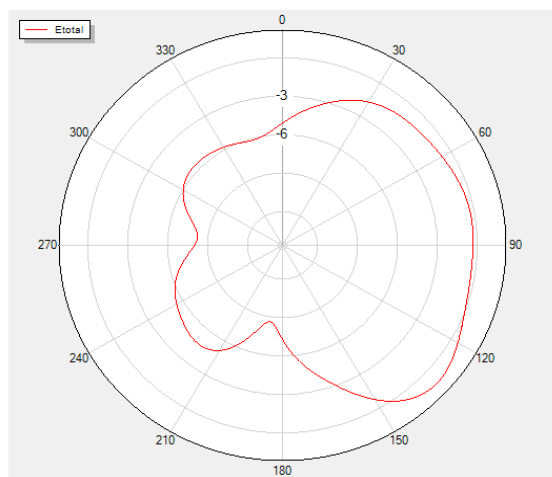
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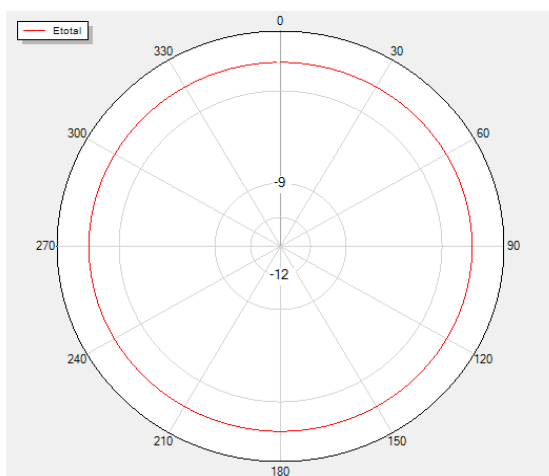
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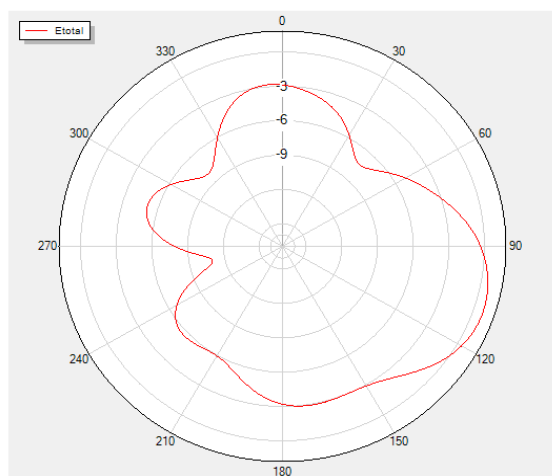
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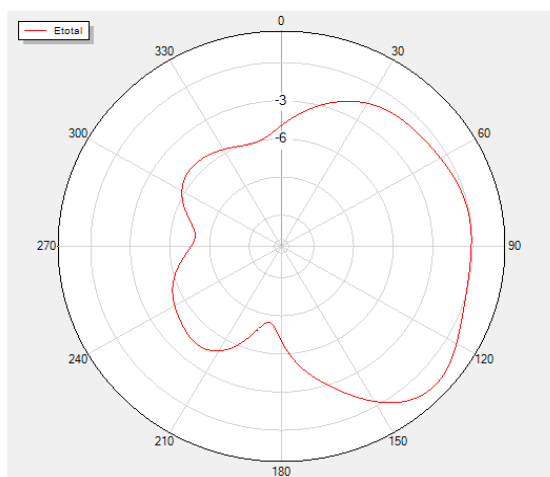
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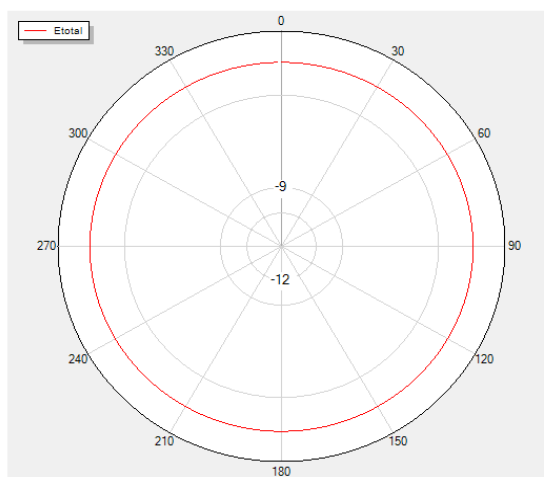
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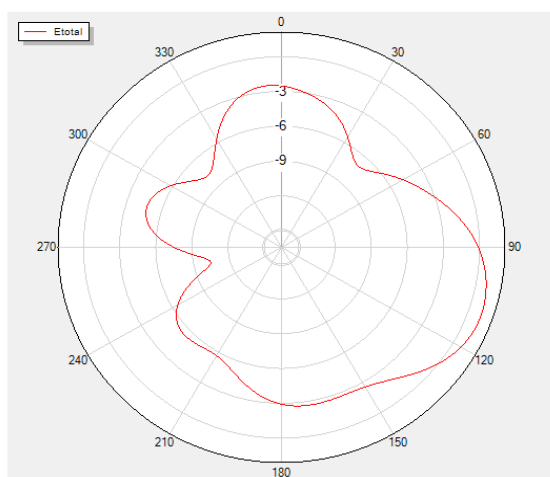
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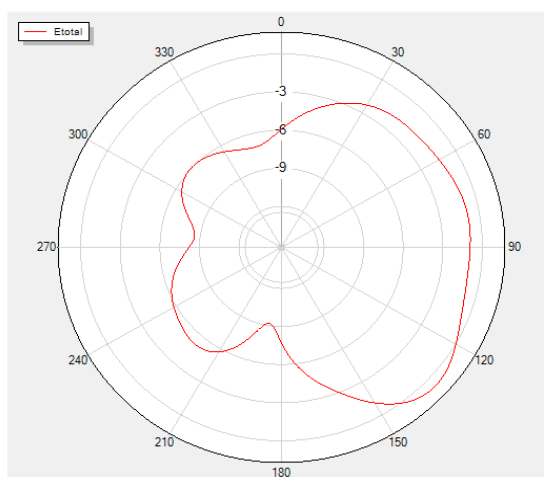
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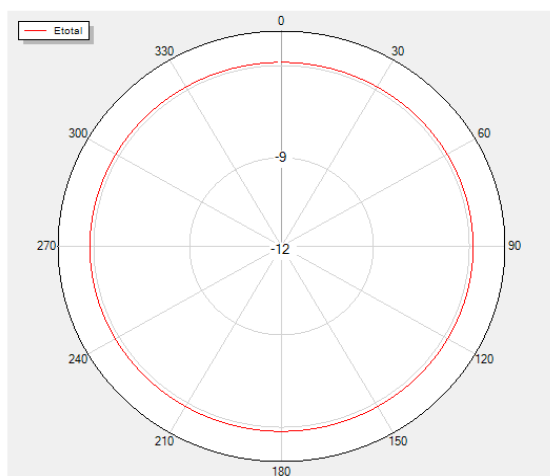
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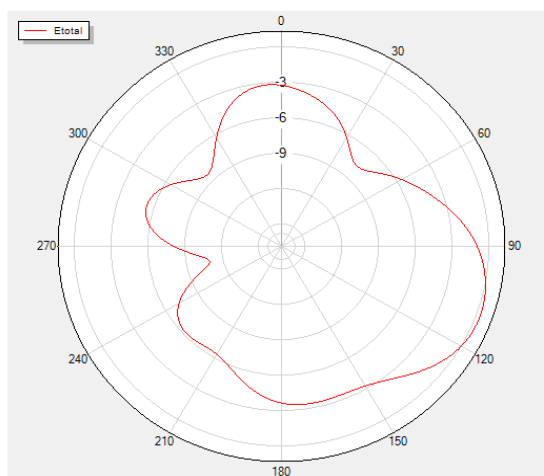
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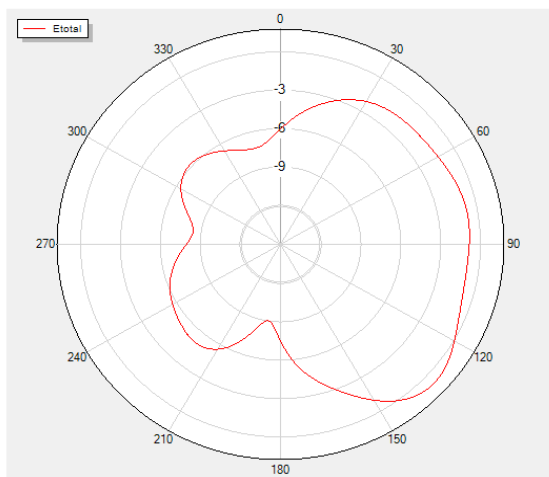
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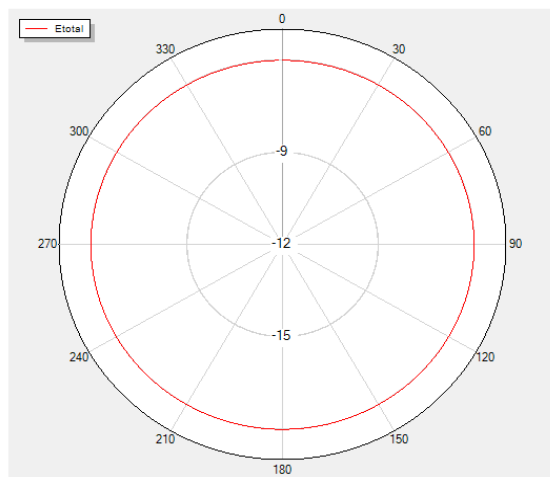
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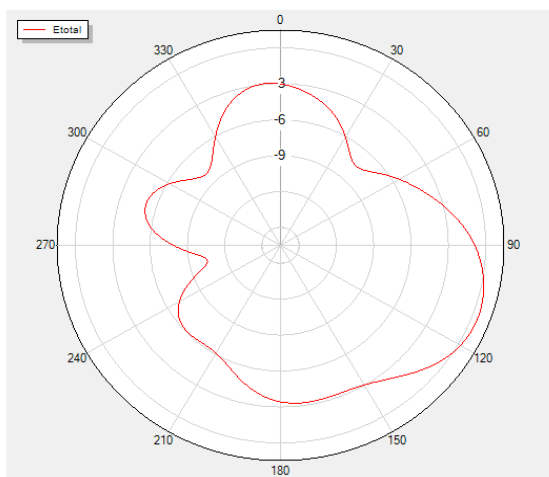
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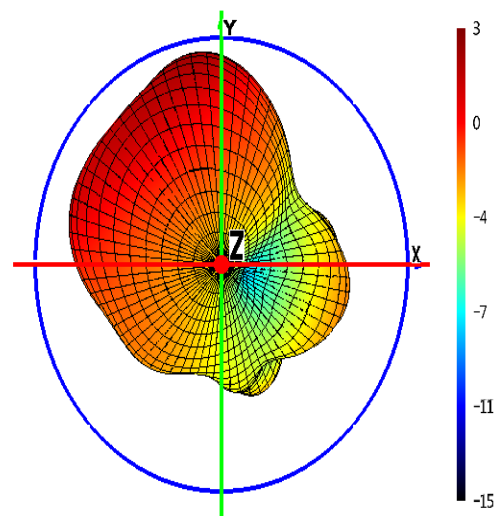
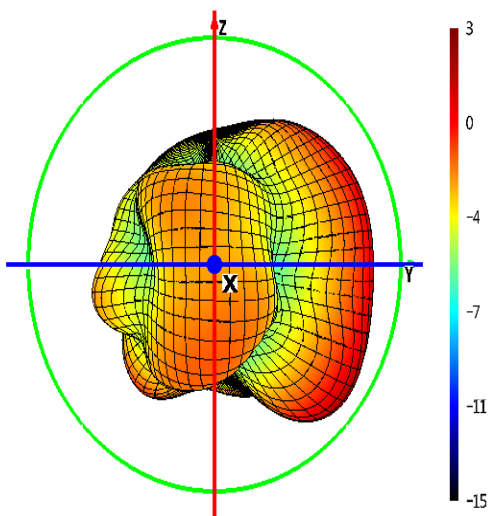
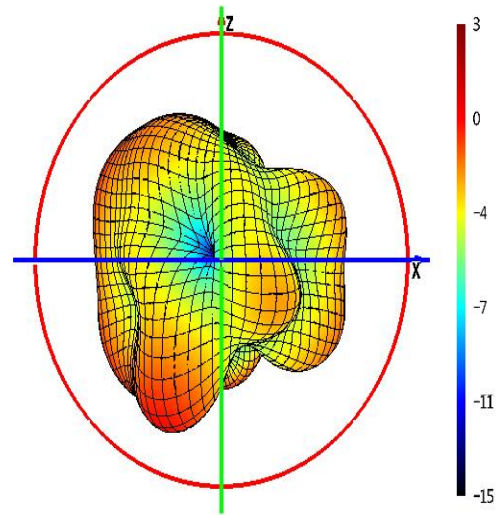
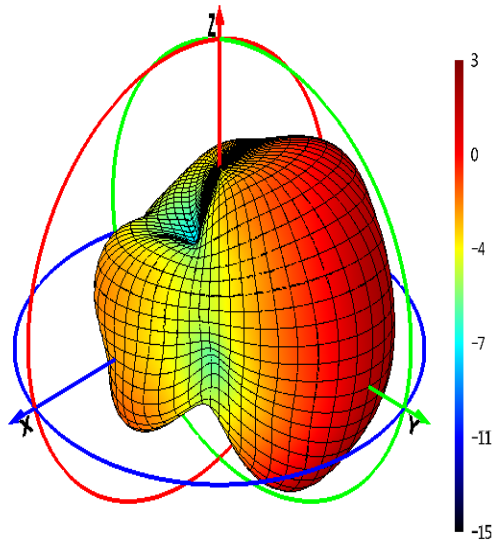


Theta=90 Freq=2500MHz

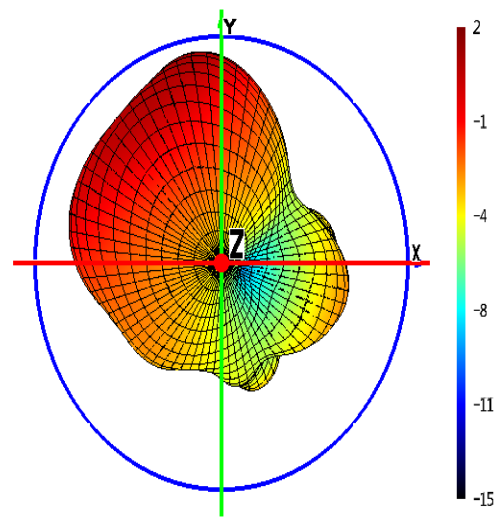
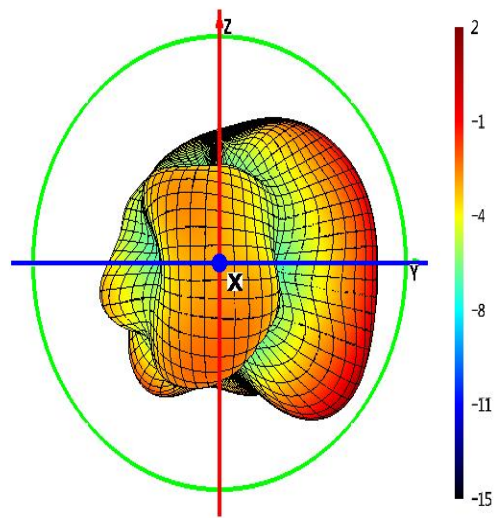
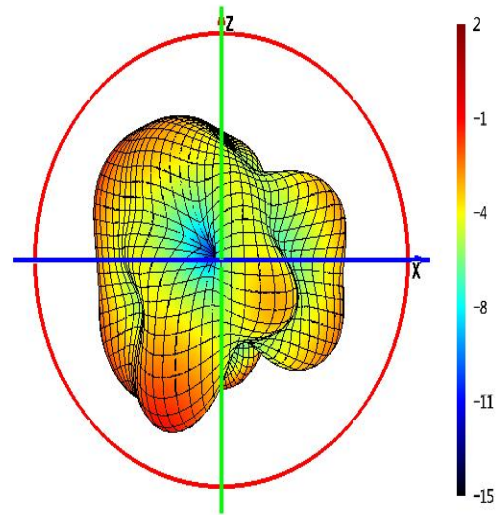
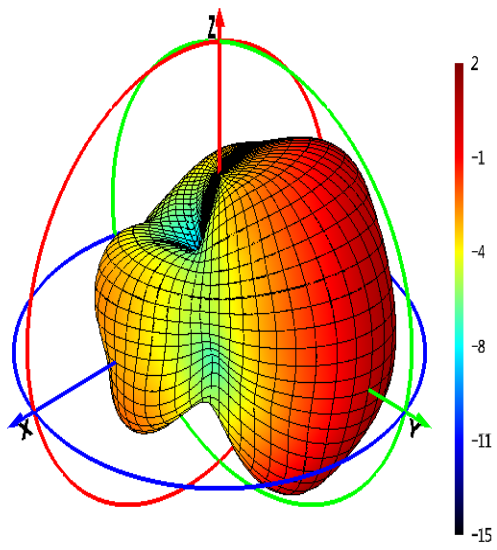


4、3D graphs:

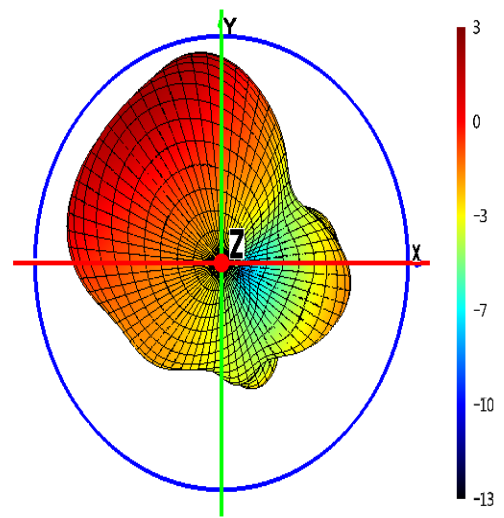
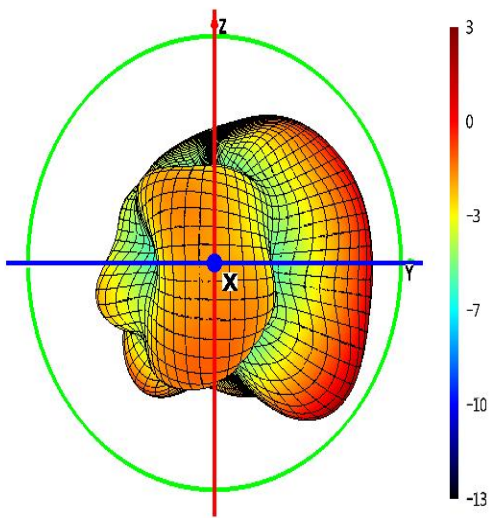
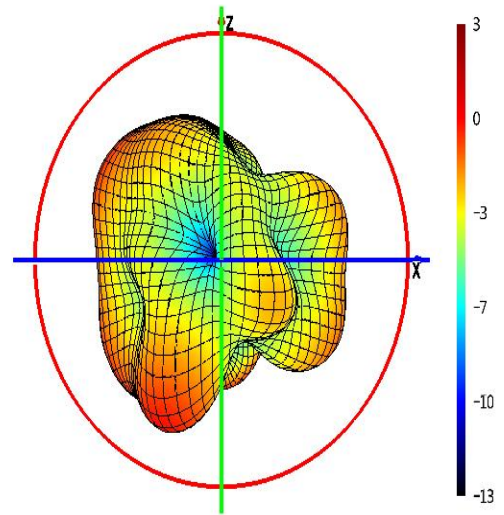
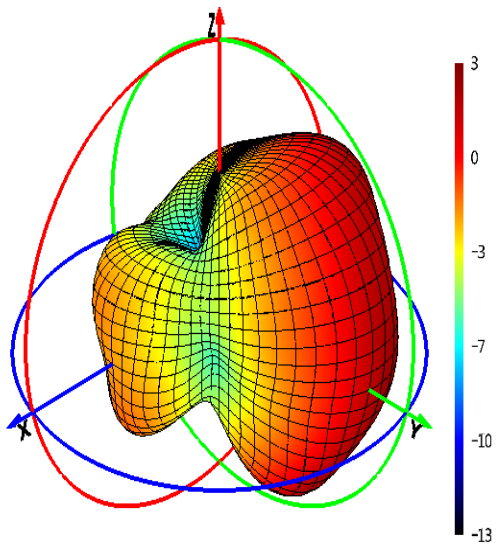
2400MHz:



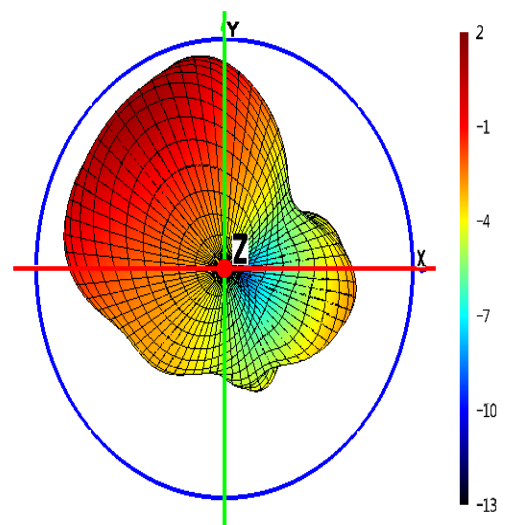
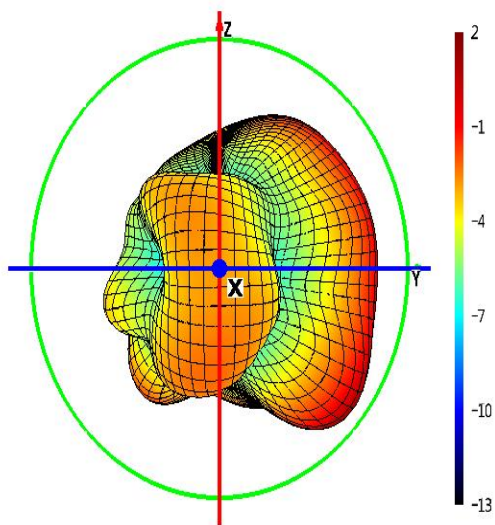
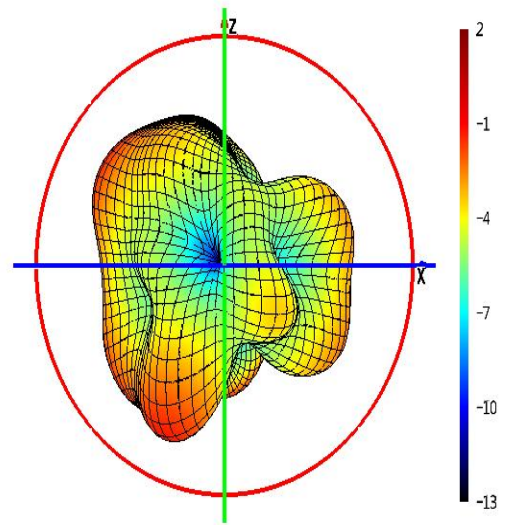
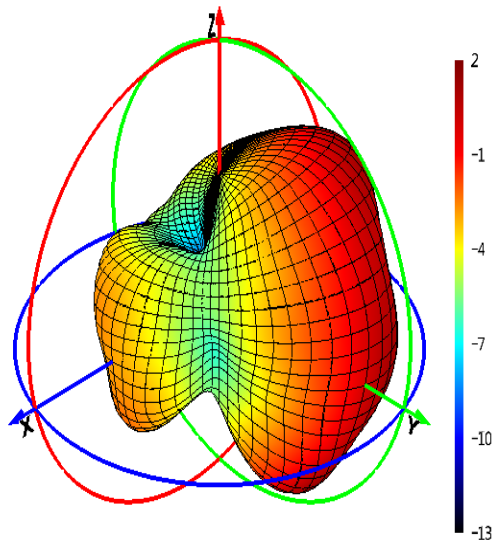
2410MHz:



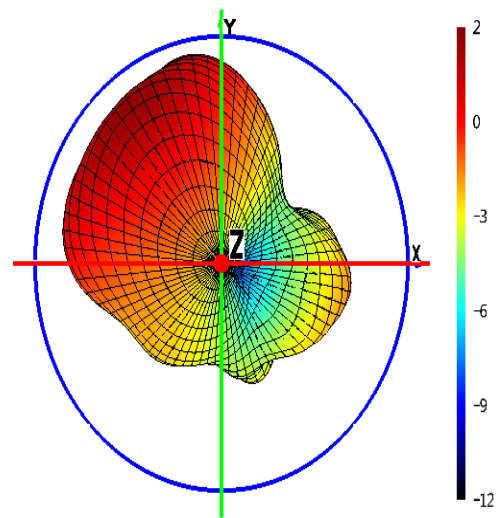
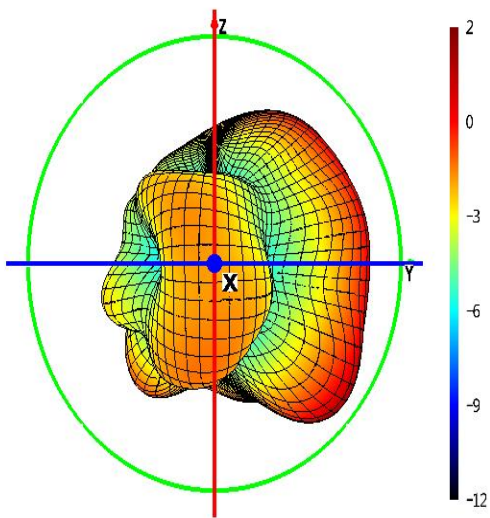
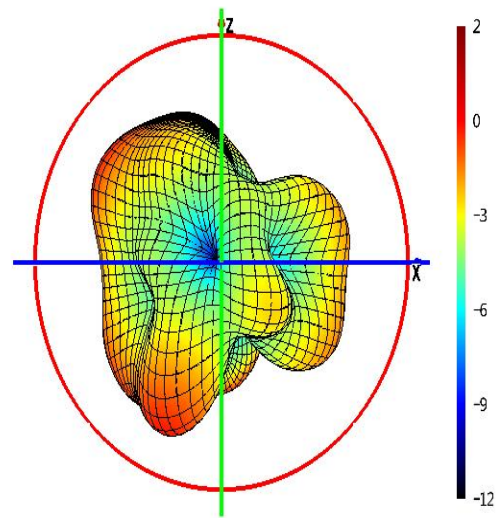
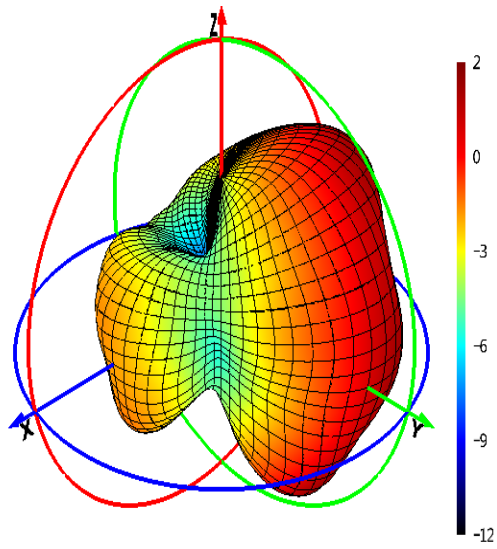
2420MHz:



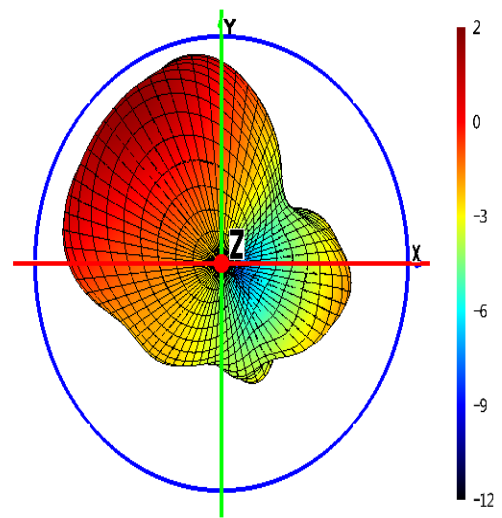
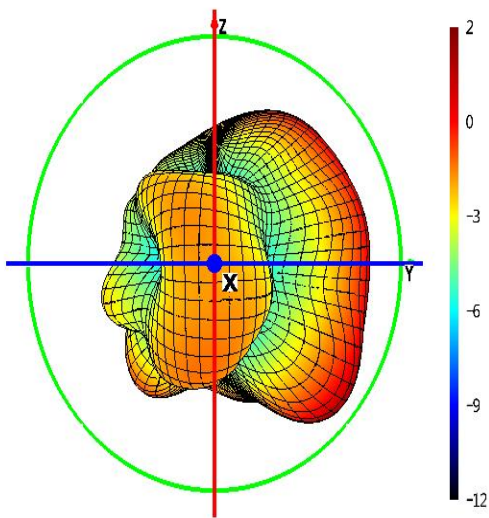
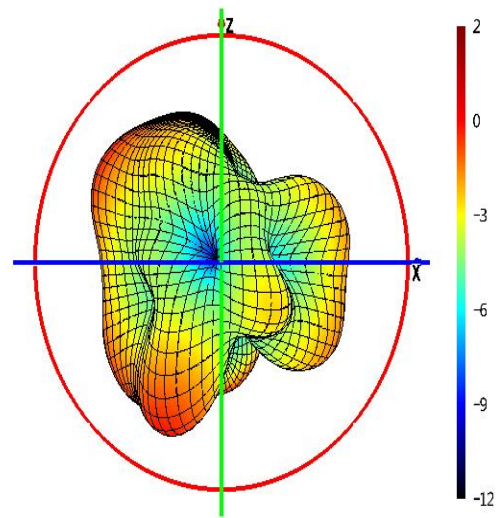
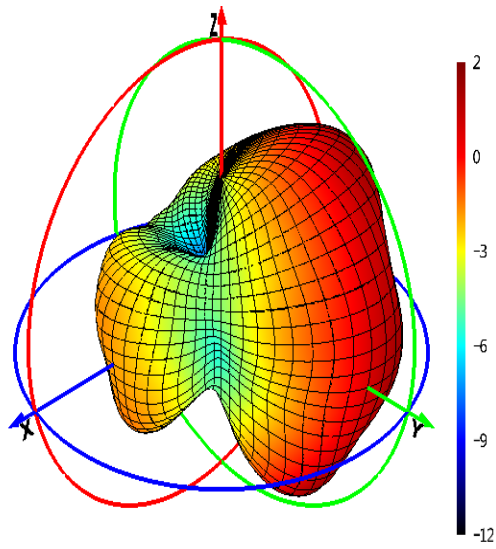
2430MHz:



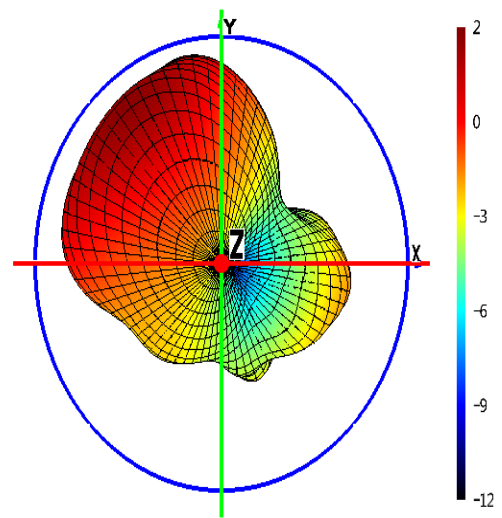
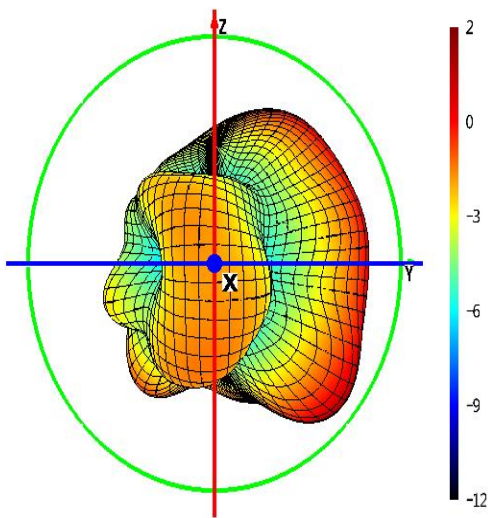
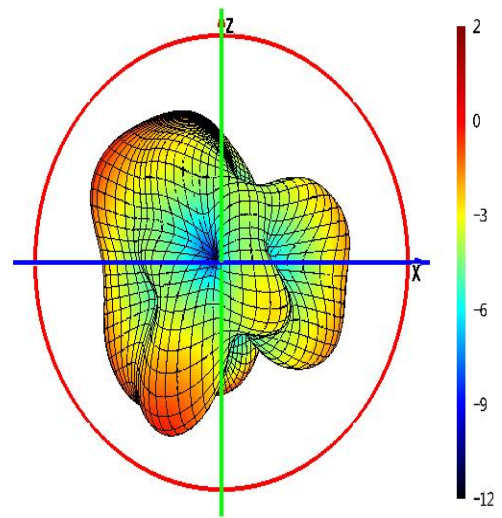
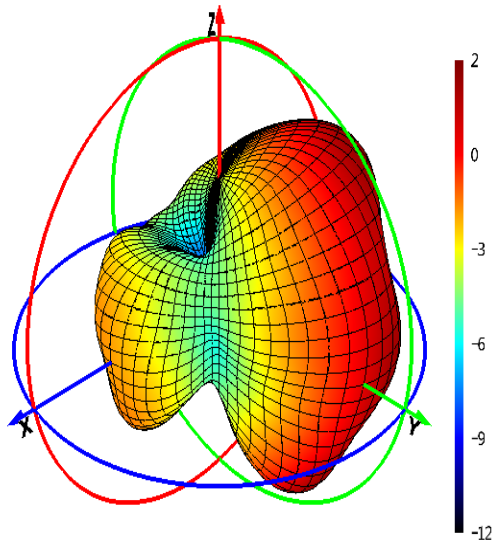
2440MHz:



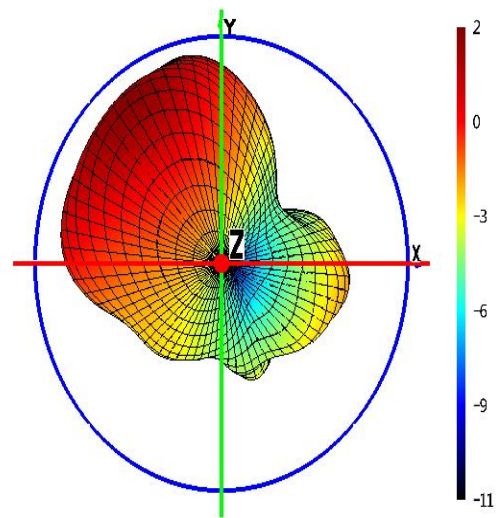
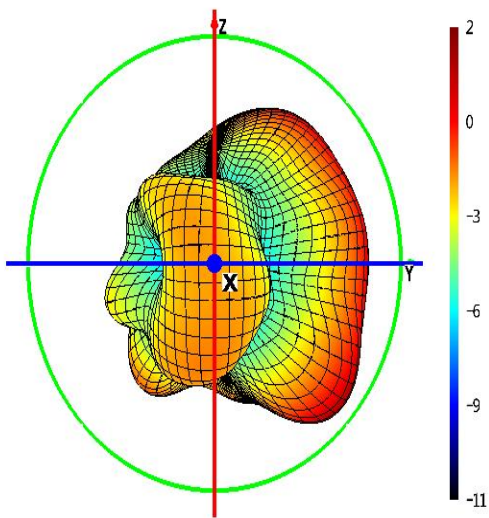
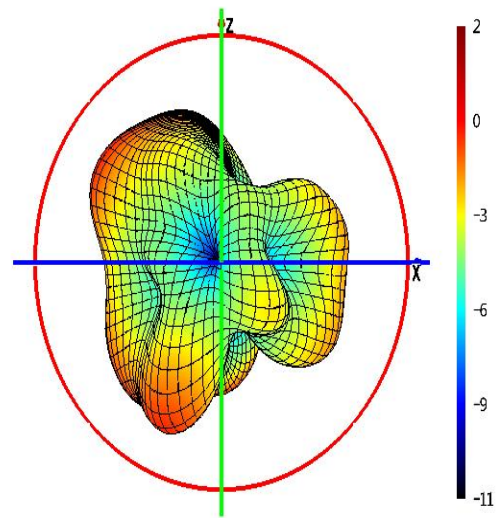
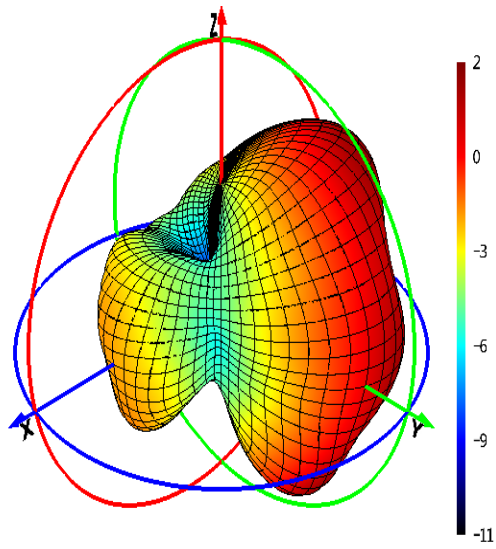
2450MHz:



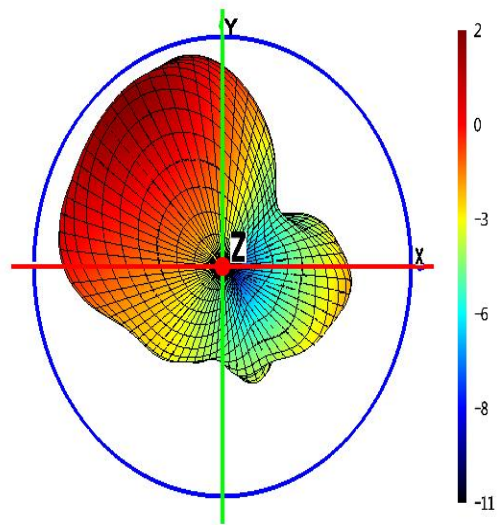
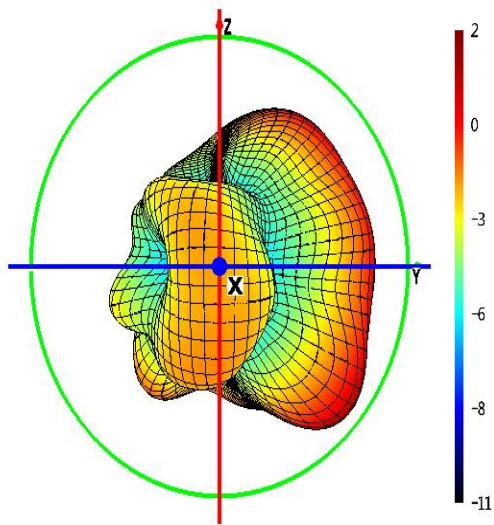
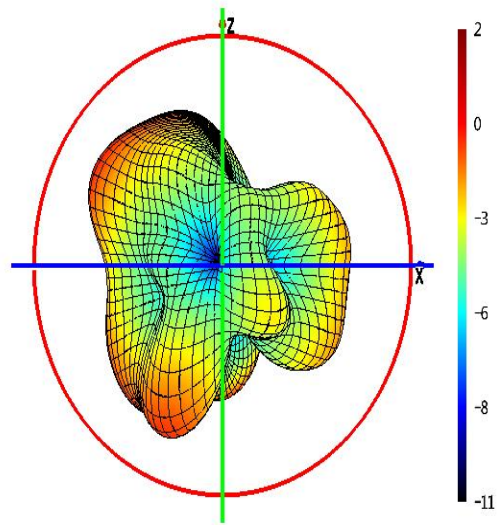
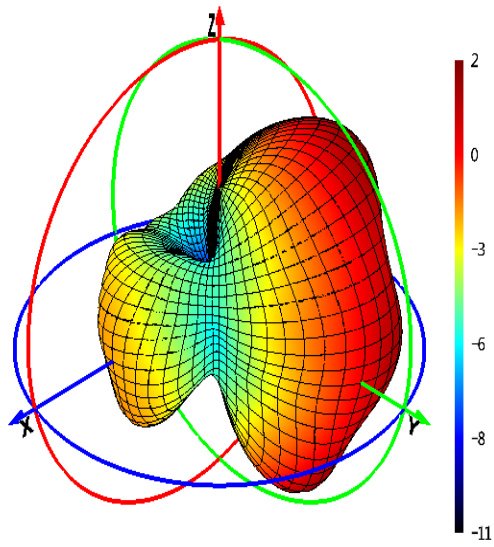
2460MHz:



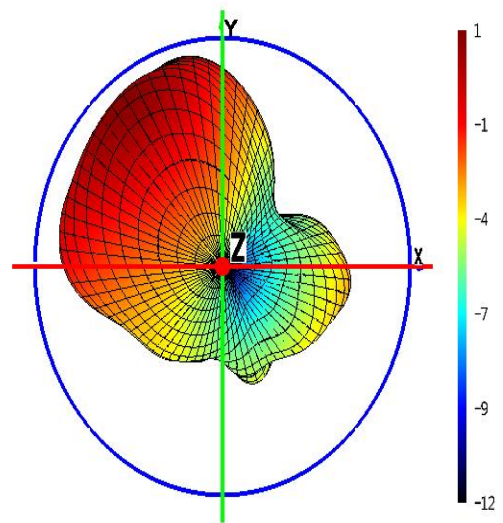
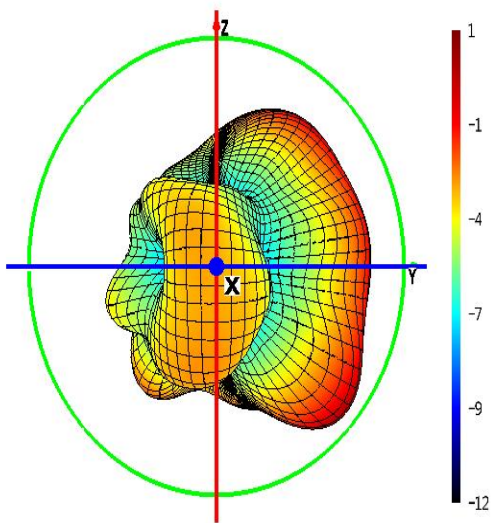
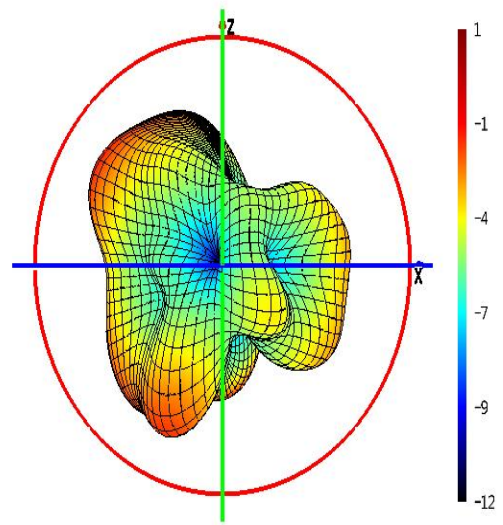
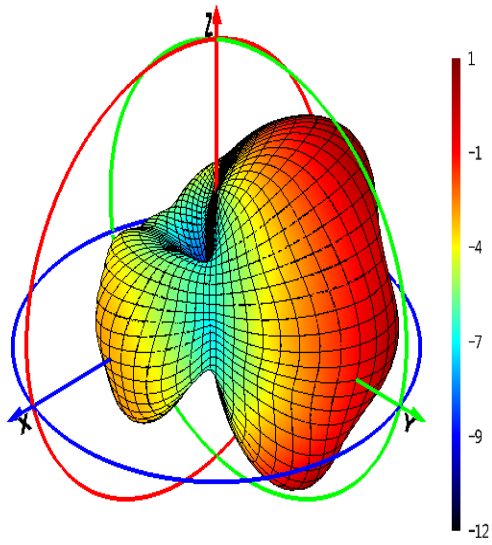
2470MHz:



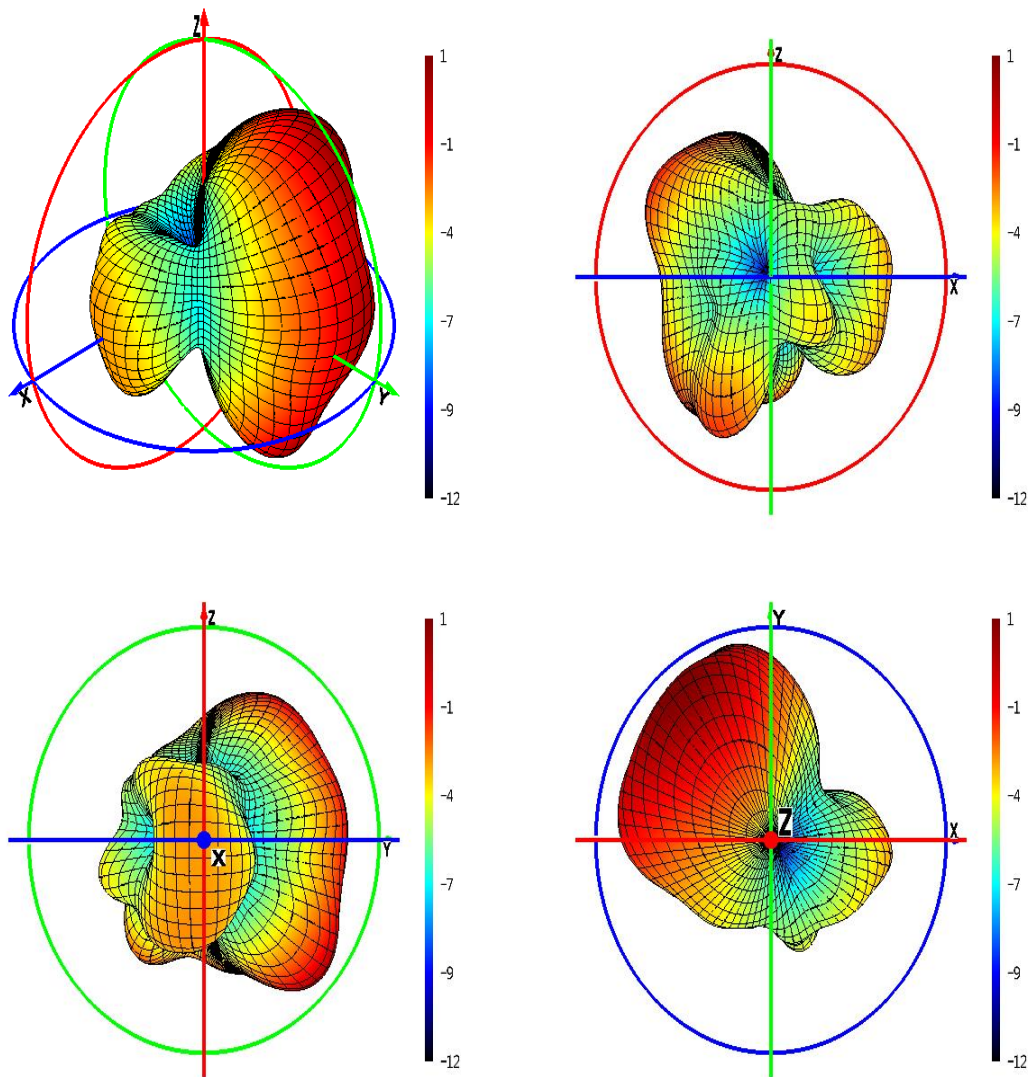
2480MHz:



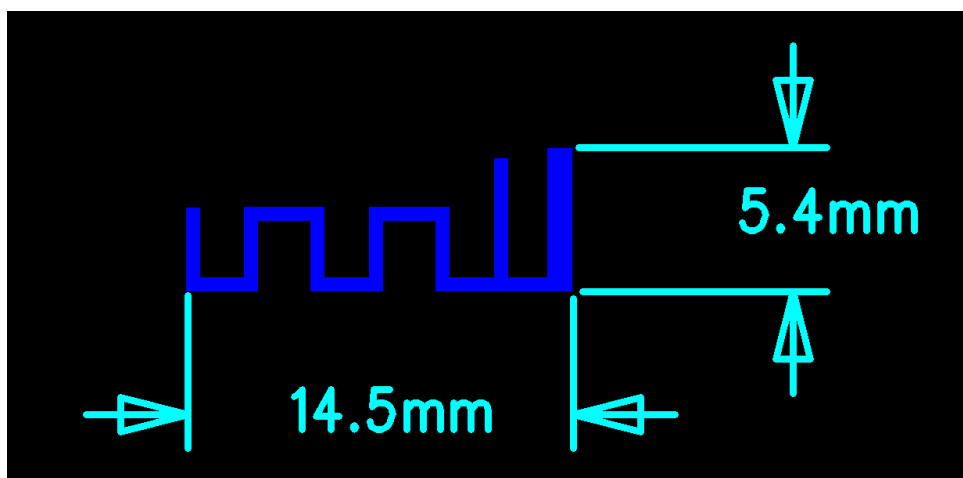
2490MHz:



2500MHz:



5 、 The size of antenna



Size: Length x Width : 14.5mm*5.4mm