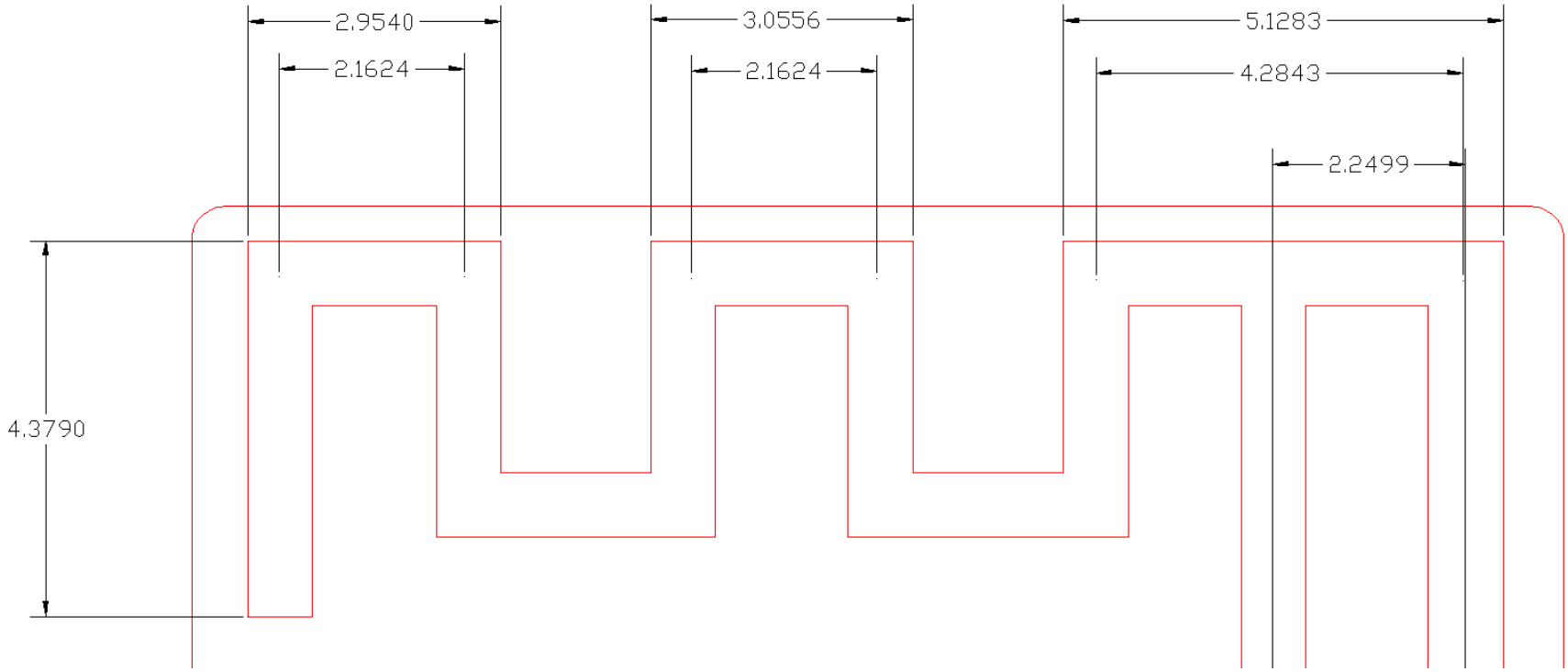
Antenna Specification

manufacturer: WIRELESS-TAG TECHNOLOGY CO.,LIMITED

address: 801, Block A, Building 6, Shenzhen International Innovation Valley, Xili Community, Xili Community, Xili Street, Nanshan District, Shenzhen, China

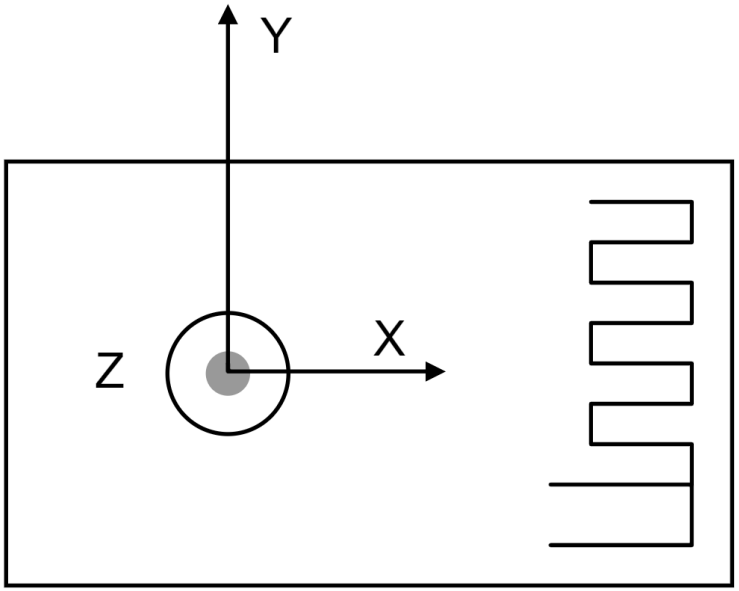
ITEM	SPEC
Antenna type	PCB Antenna(B)
Center Frequency	2400Mhz | -0.57dBi 2440Mhz | -0.42dBi 2500Mhz | -1.11dBi
MAX GAIN	-0.39dbi
Polarization	Horizontal
Azimuth Beam Pattern	Omni-directional
Impedance	50ohm
Antenna Length	

Antenna Photo & Length(mm)

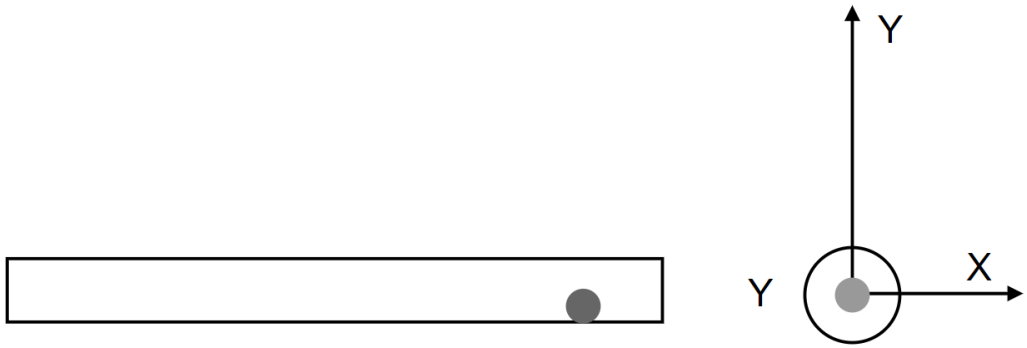


Coordinate System Reference:Antenna

Top view

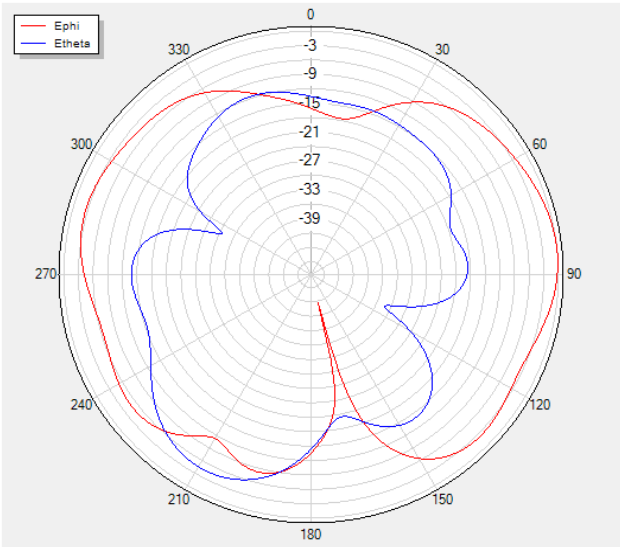


Side view

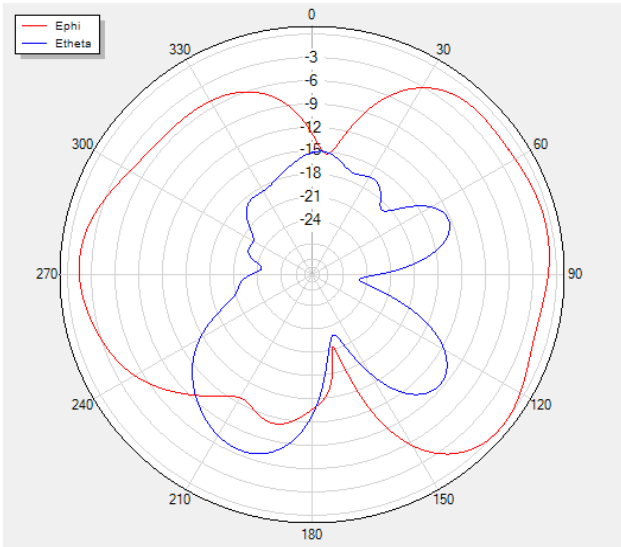


Radiation pattern(2D) = 2.400GHz

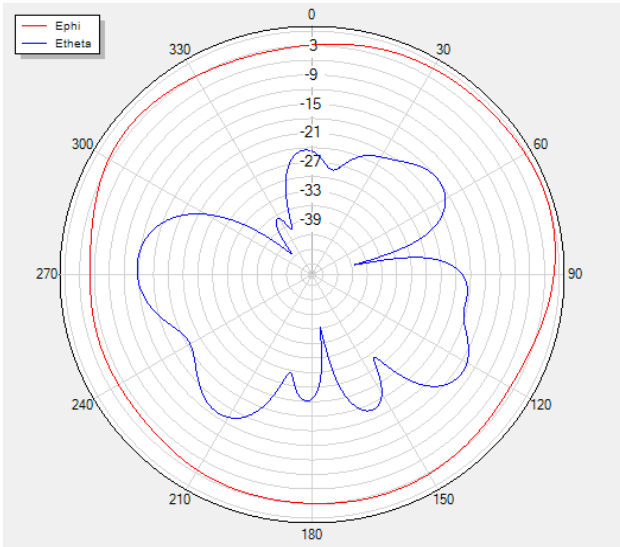
Phi=90 freq=2400MHz



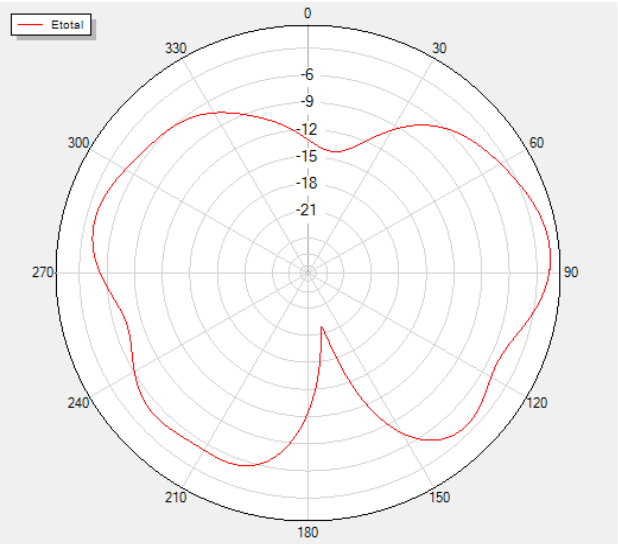
Phi=0 freq=2400MHz



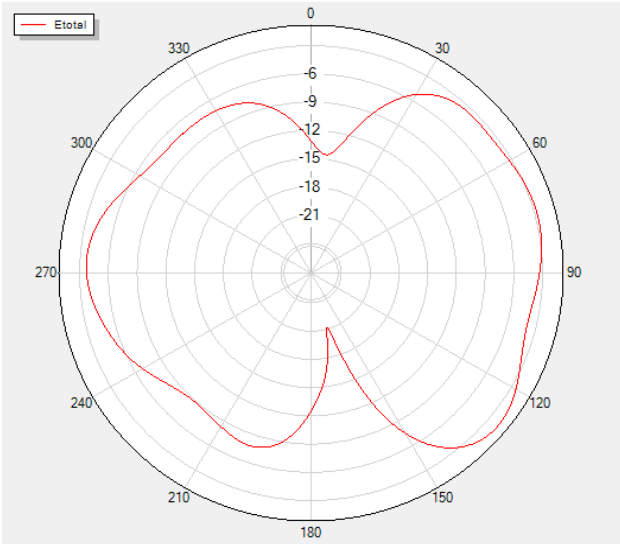
Theta=90 freq=2400MHz



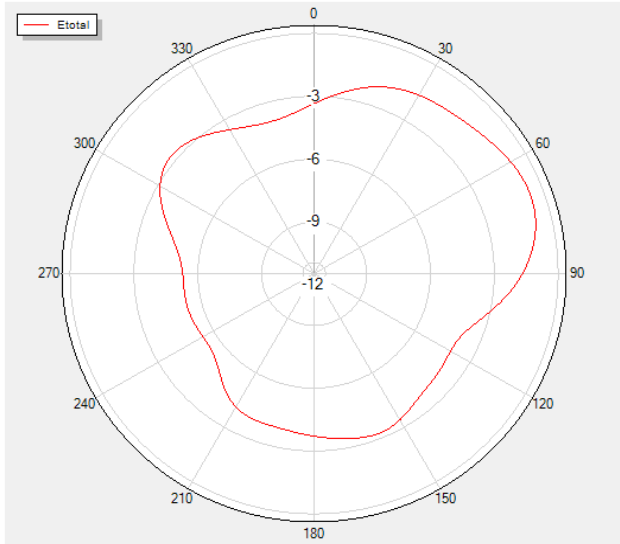
Phi=90 Freq=2400MHz



Phi=0 Freq=2400MHz

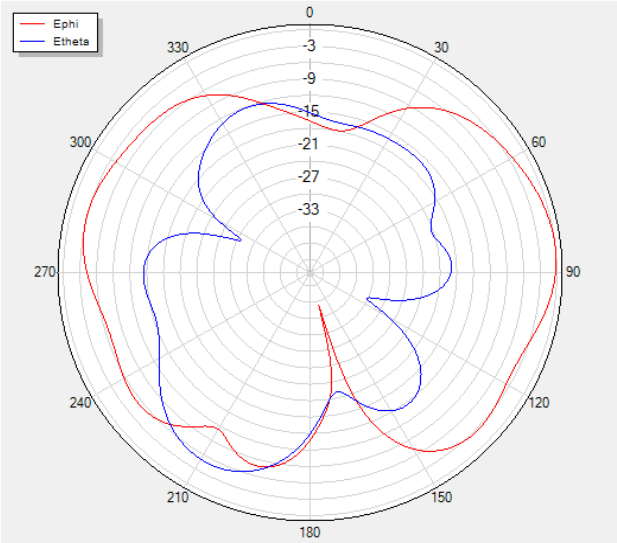


Theta=90 Freq=2400MHz

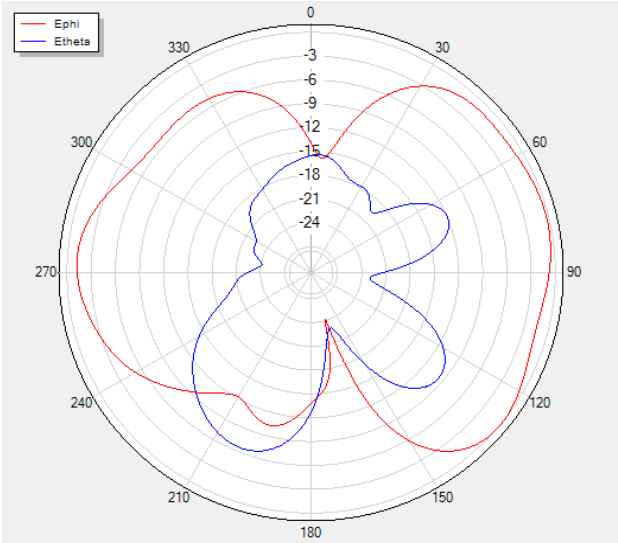


Radiation pattern(2D) = 2.410GHz

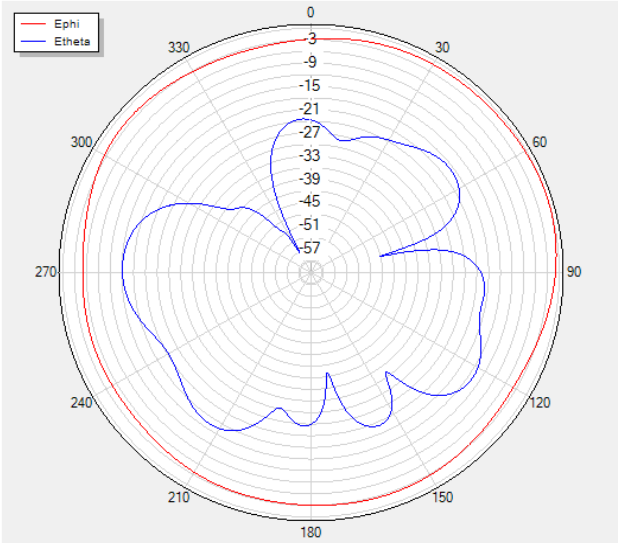
Phi=90 freq=2410MHz



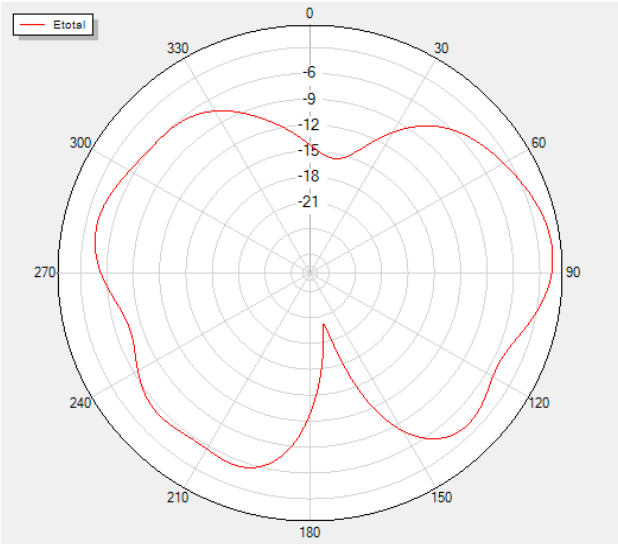
Phi=0 freq=2410MHz



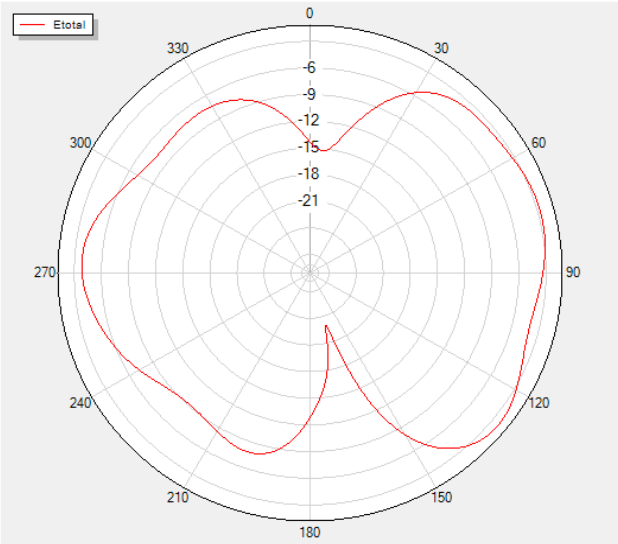
Theta=90 freq=2410MHz



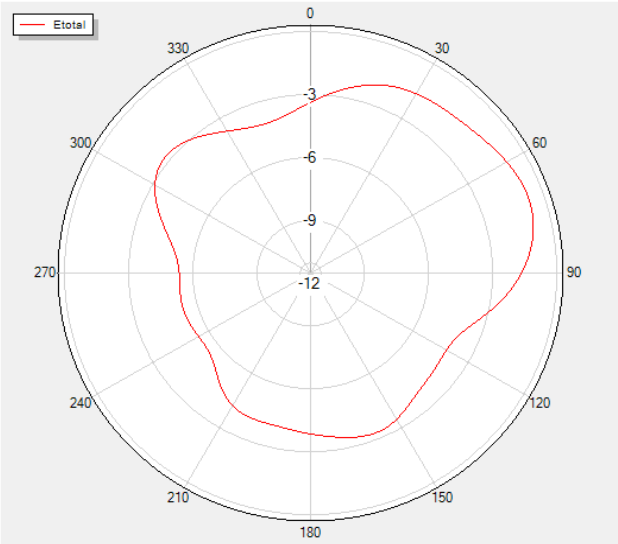
Phi=90 Freq=2410MHz



Phi=0 Freq=2410MHz

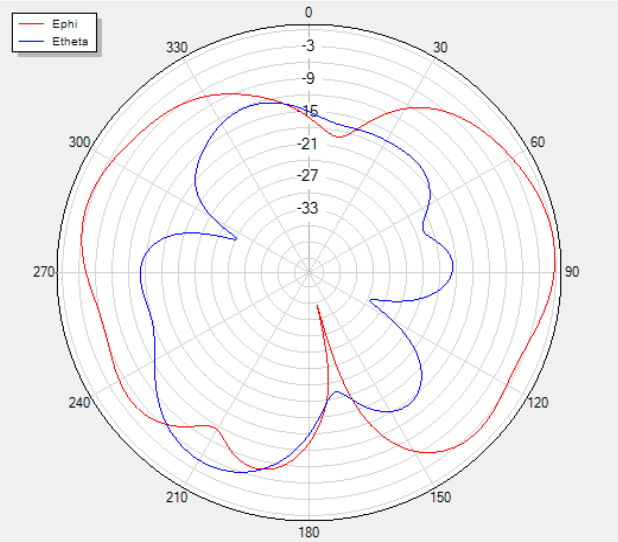


Theta=90 Freq=2410MHz

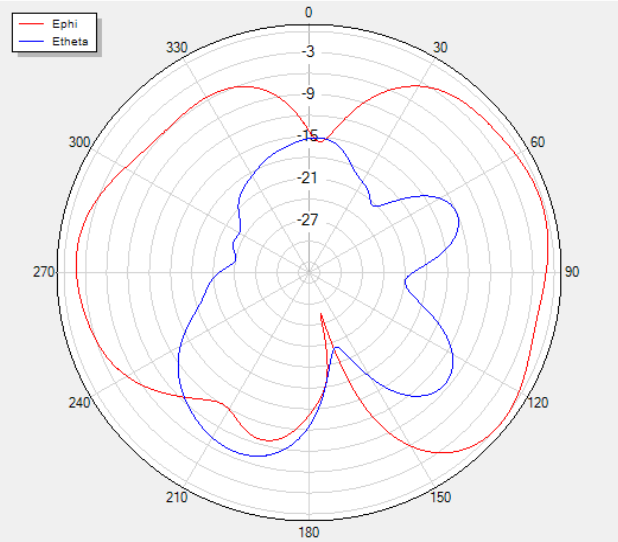


Radiation pattern(2D) = 2.420GHz

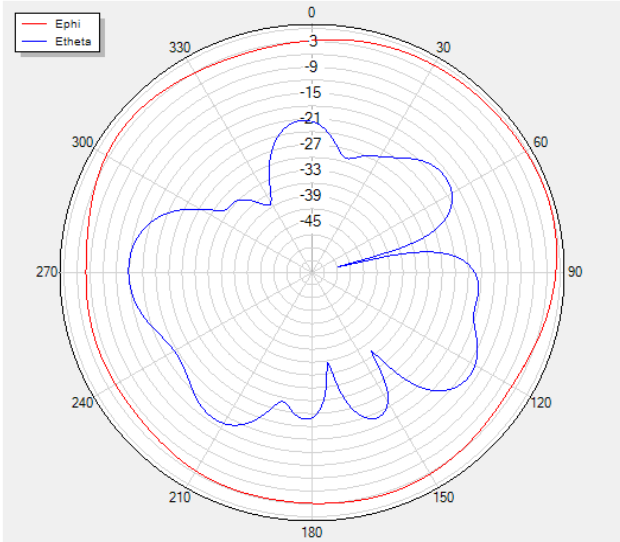
Phi=90 freq=2420MHz



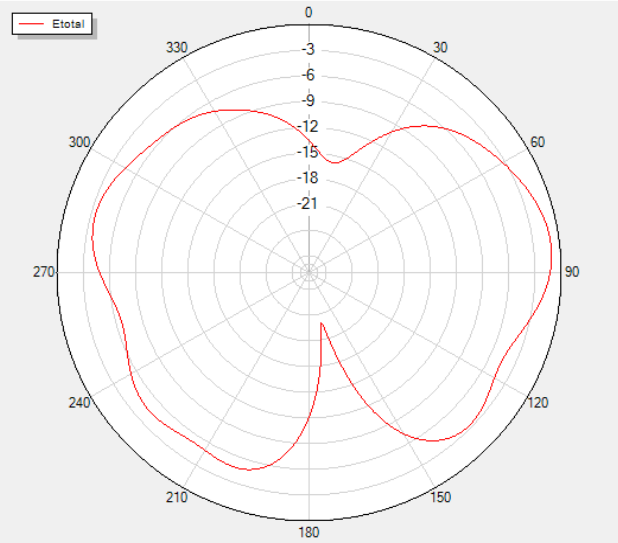
Phi=0 freq=2420MHz



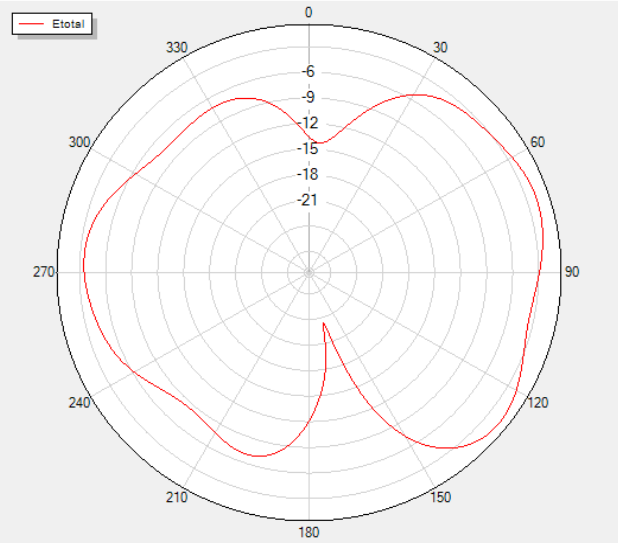
Theta=90 freq=2420MHz



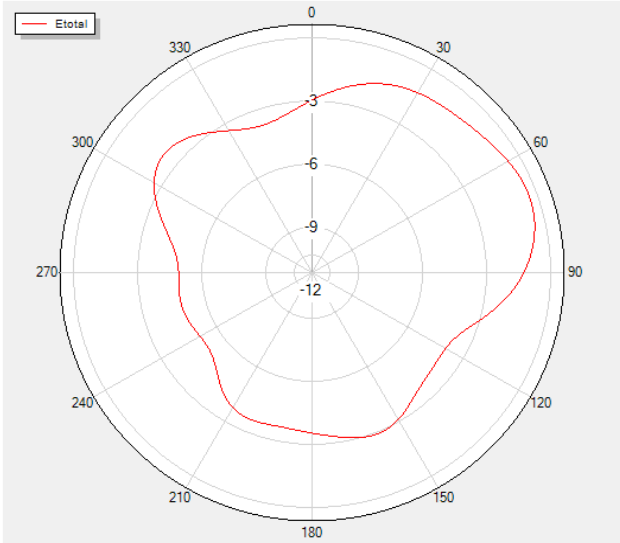
Phi=90 Freq=2420MHz



Phi=0 Freq=2420MHz

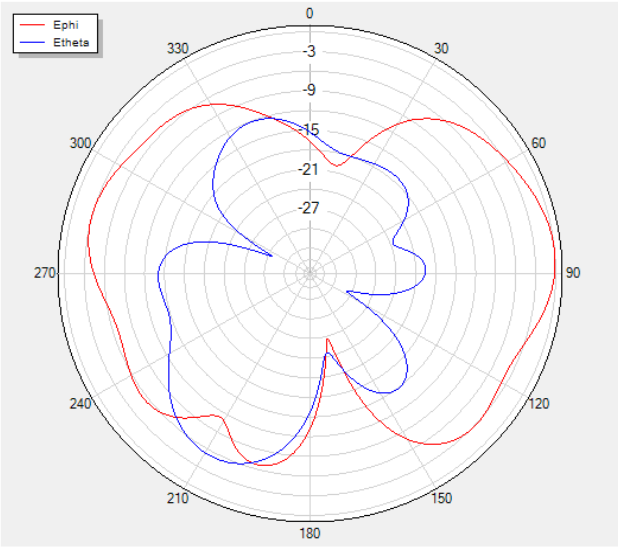


Theta=90 Freq=2420MHz

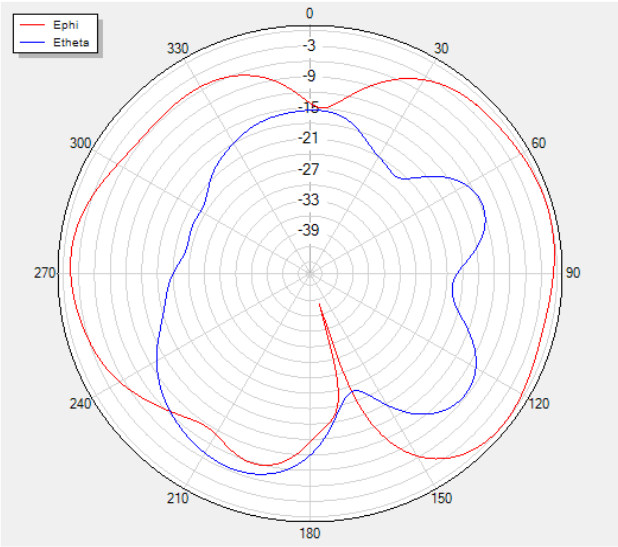


Radiation pattern(2D) = 2.430GHz

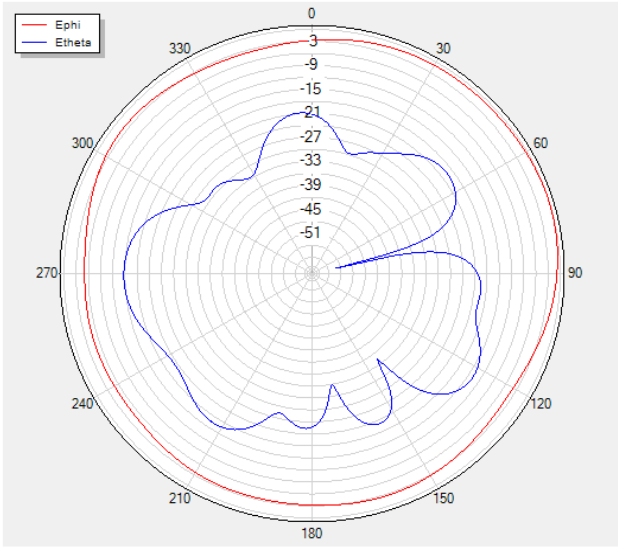
Phi=90 freq=2430MHz



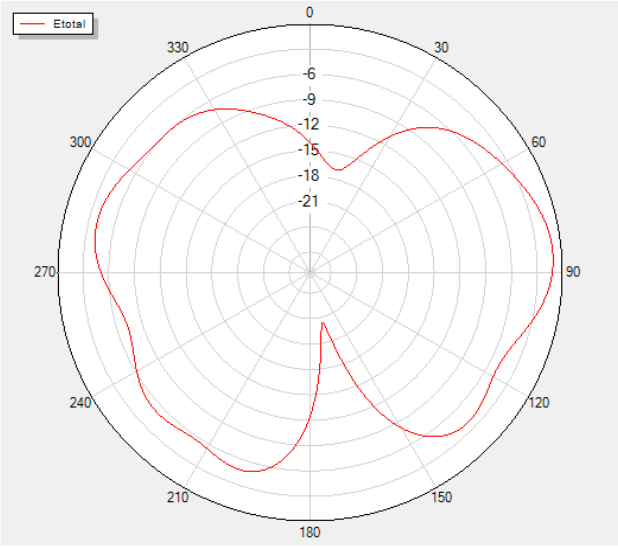
Phi=0 freq=2430MHz



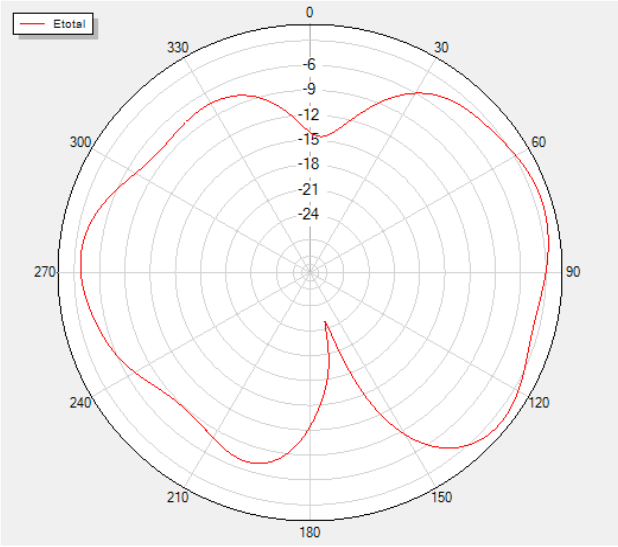
Theta=90 freq=2430MHz



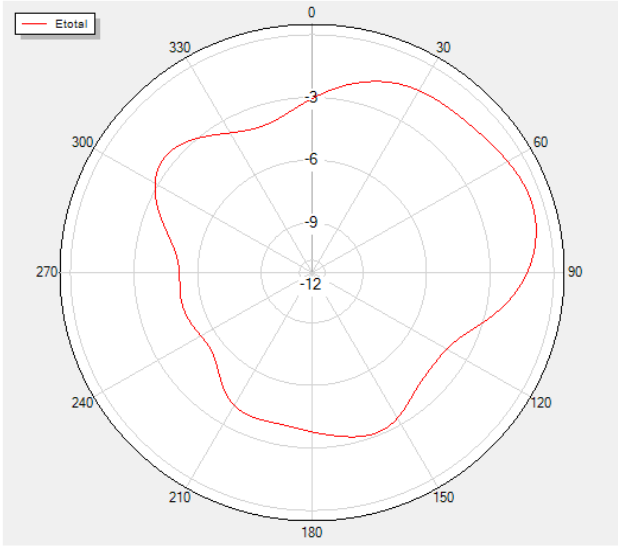
Phi=90 Freq=2430MHz



Phi=0 Freq=2430MHz

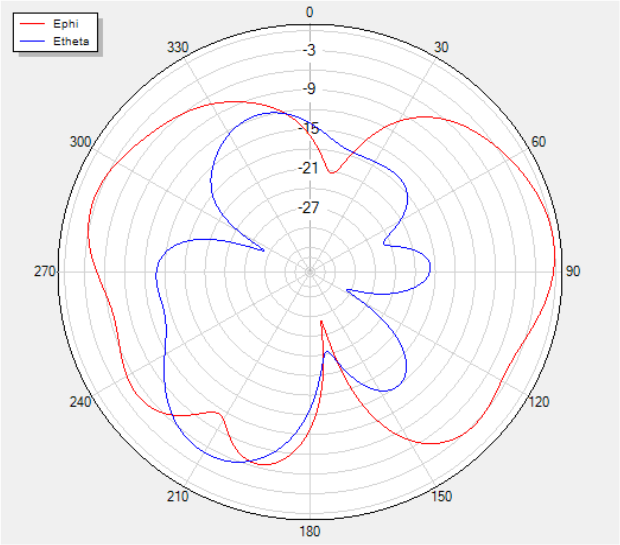


Theta=90 Freq=2430MHz

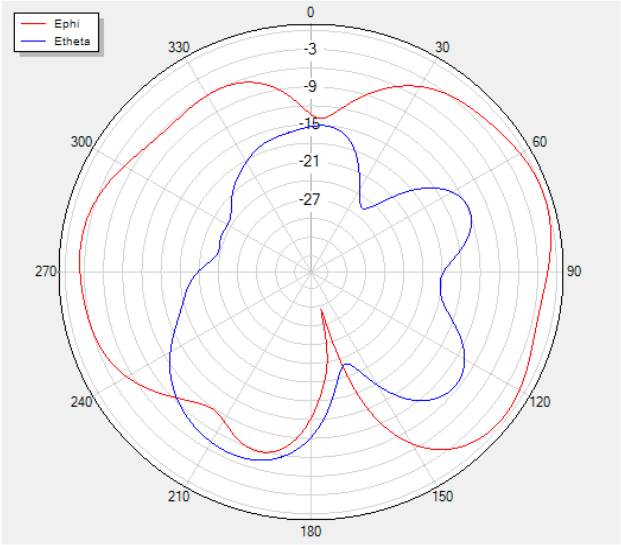


Radiation pattern(2D) = 2.440GHz

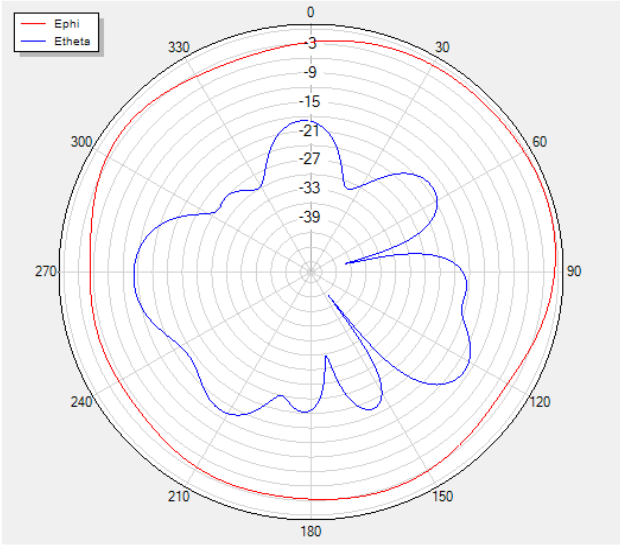
Phi=90 freq=2440MHz



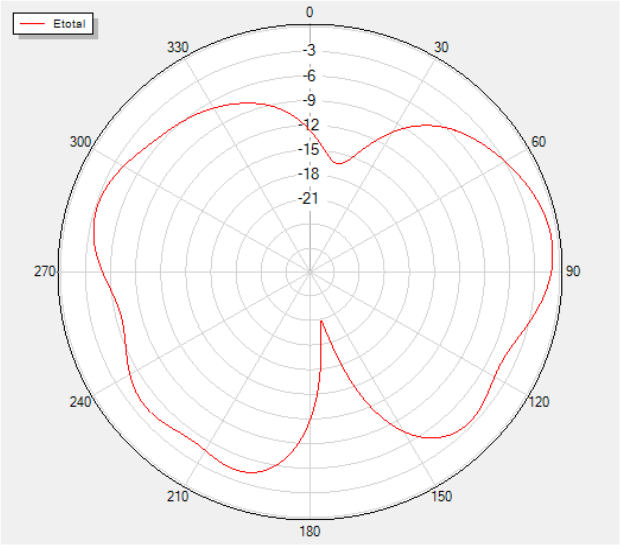
Phi=0 freq=2440MHz



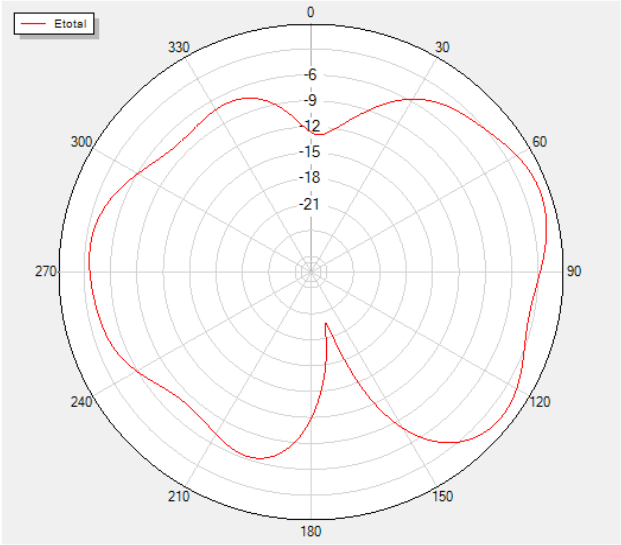
Theta=90 freq=2440MHz



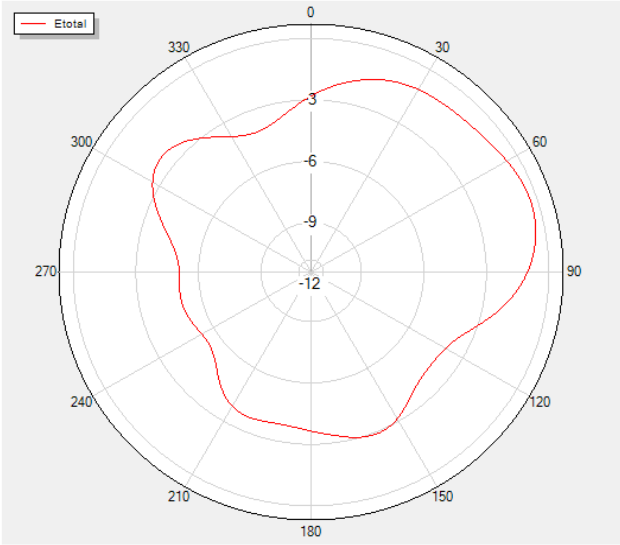
Phi=90 Freq=2440MHz



Phi=0 Freq=2440MHz

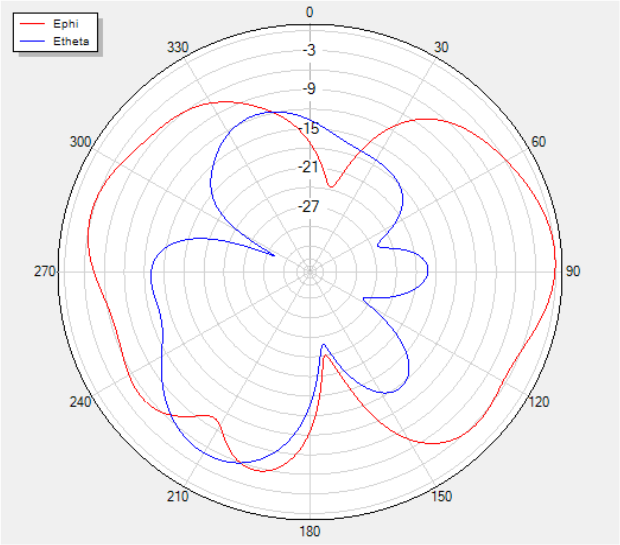


Theta=90 Freq=2440MHz

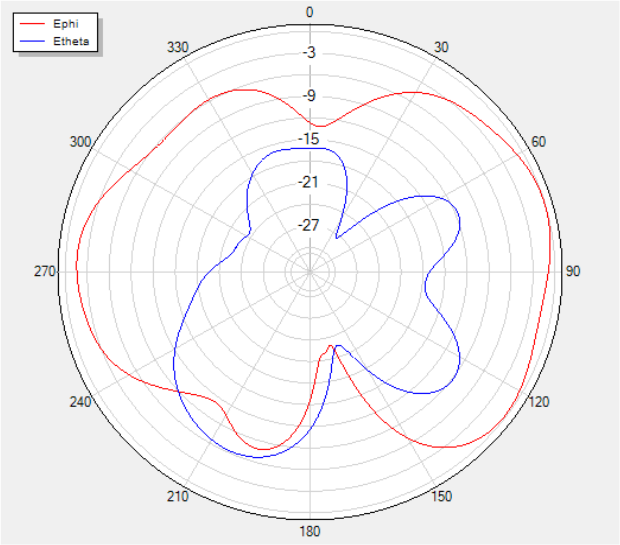


Radiation pattern(2D) = 2.450GHz

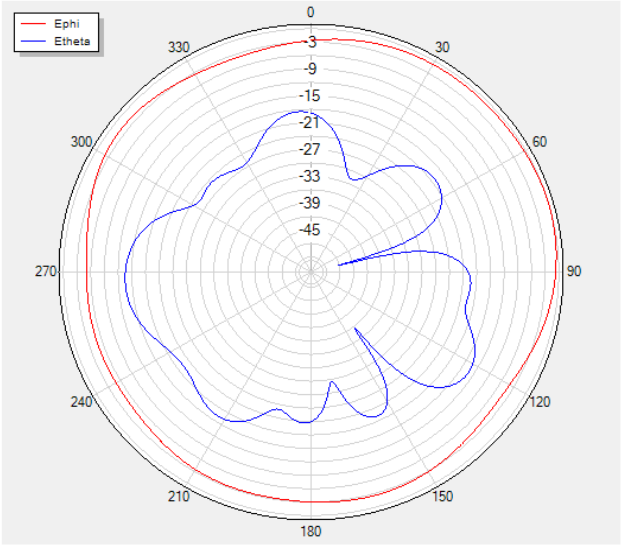
Phi=90 freq=2450MHz



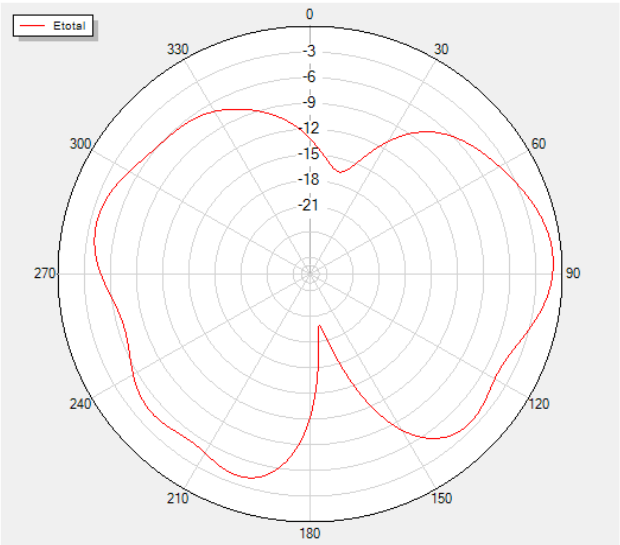
Phi=0 freq=2450MHz



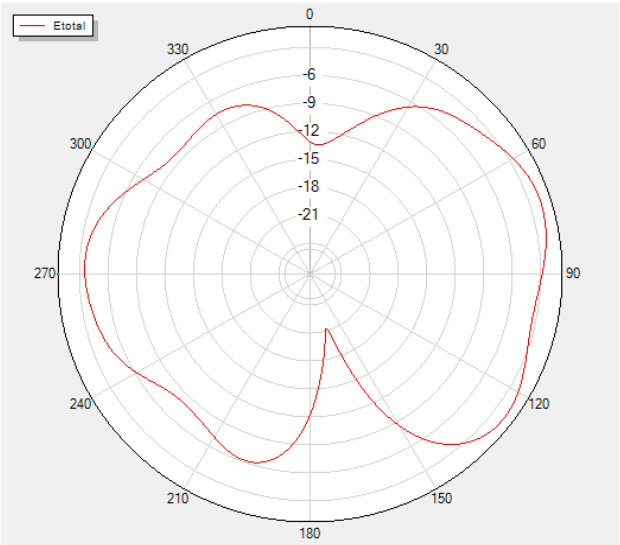
Theta=90 freq=2450MHz



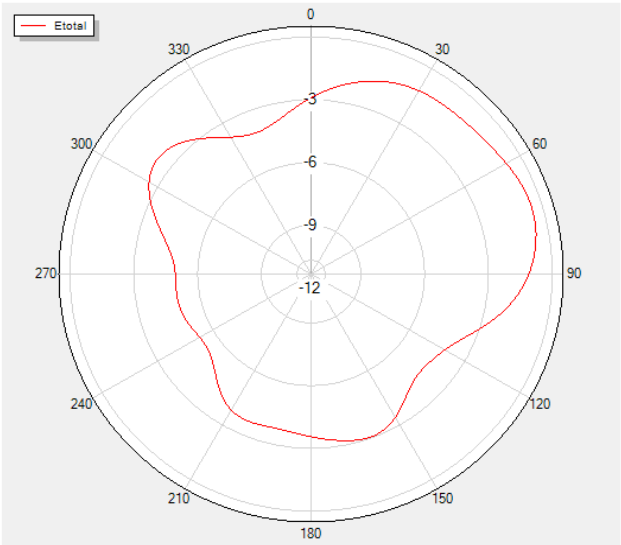
Phi=90 Freq=2450MHz



Phi=0 Freq=2450MHz

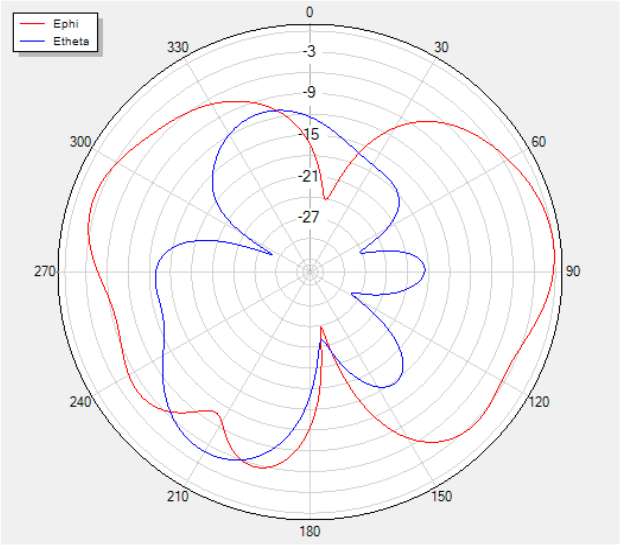


Theta=90 Freq=2450MHz

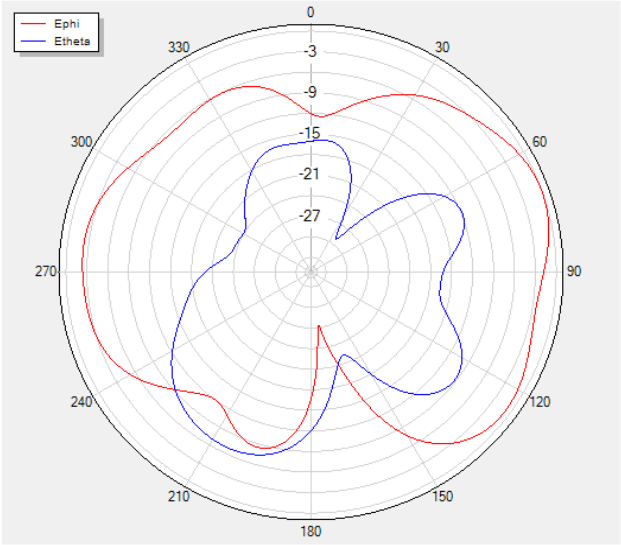


Radiation pattern(2D) = 2.460GHz

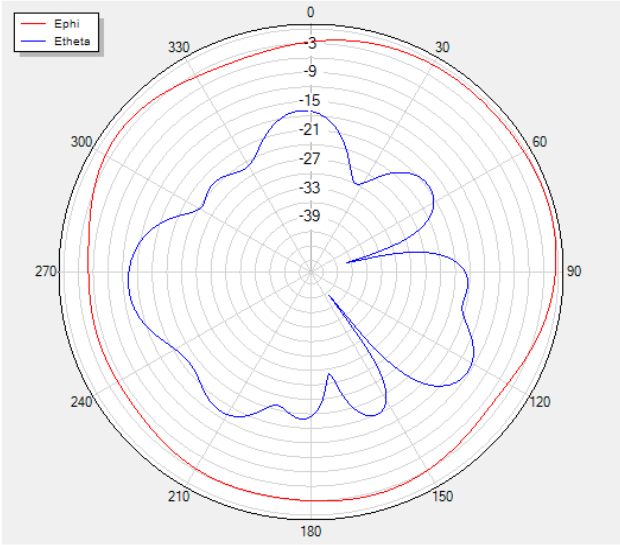
Phi=90 freq=2460MHz



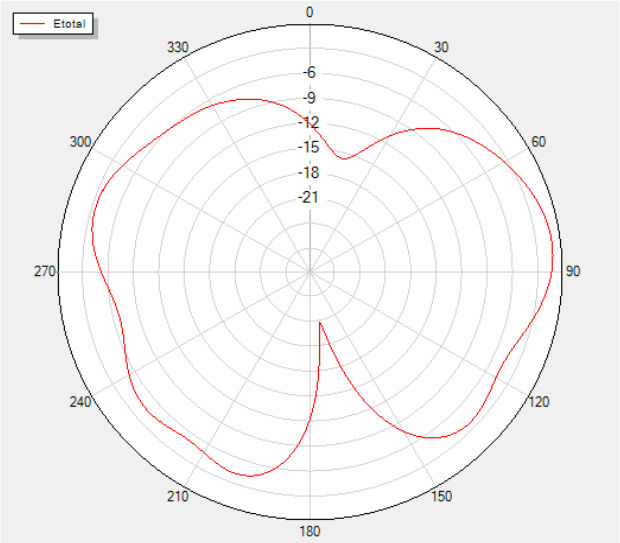
Phi=0 freq=2460MHz



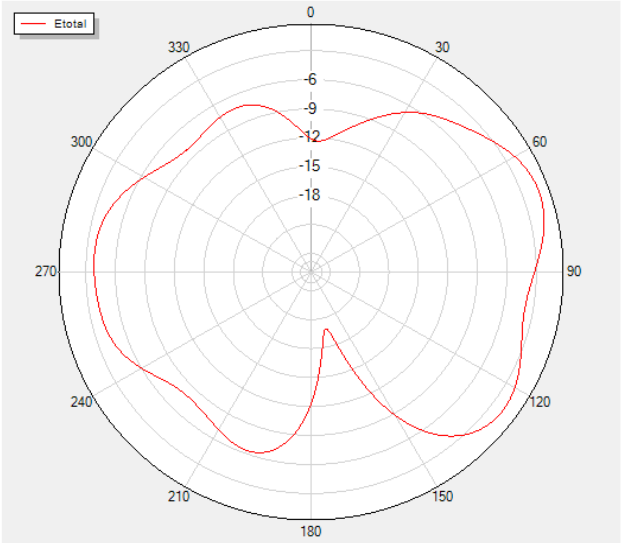
Theta=90 freq=2460MHz



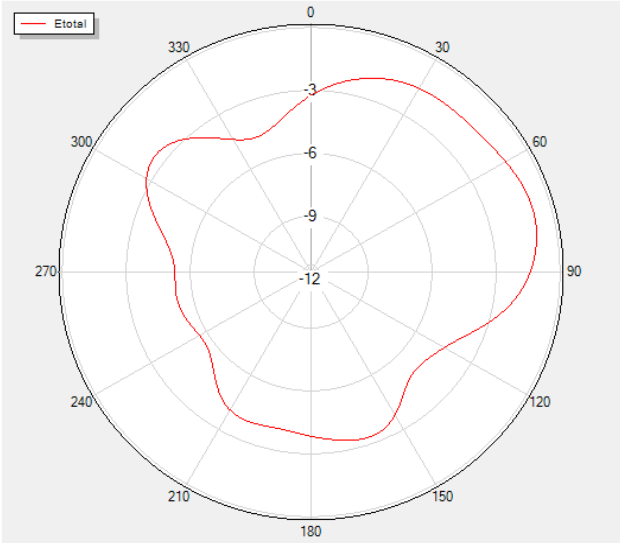
Phi=90 Freq=2460MHz



Phi=0 Freq=2460MHz

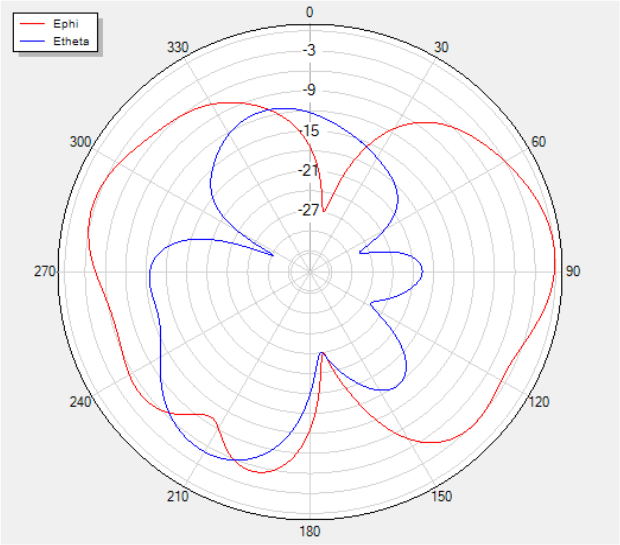


Theta=90 Freq=2460MHz

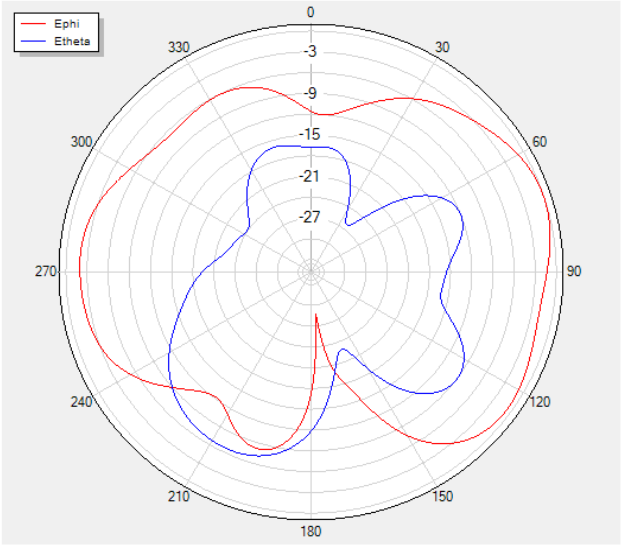


Radiation pattern(2D) = 2.470GHz

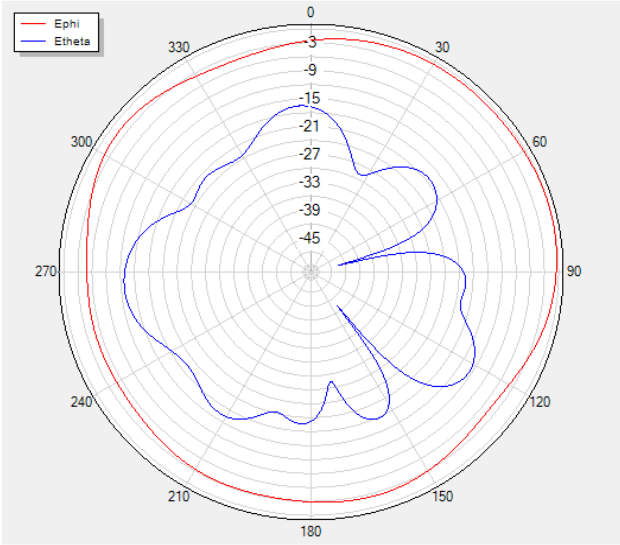
Phi=90 freq=2470MHz



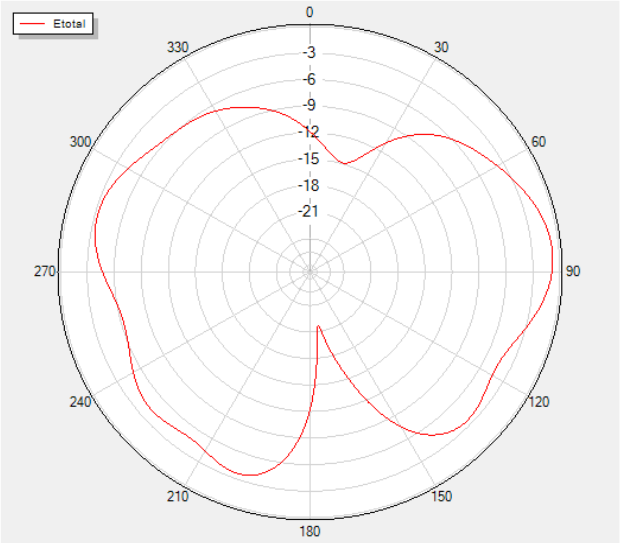
Phi=0 freq=2470MHz



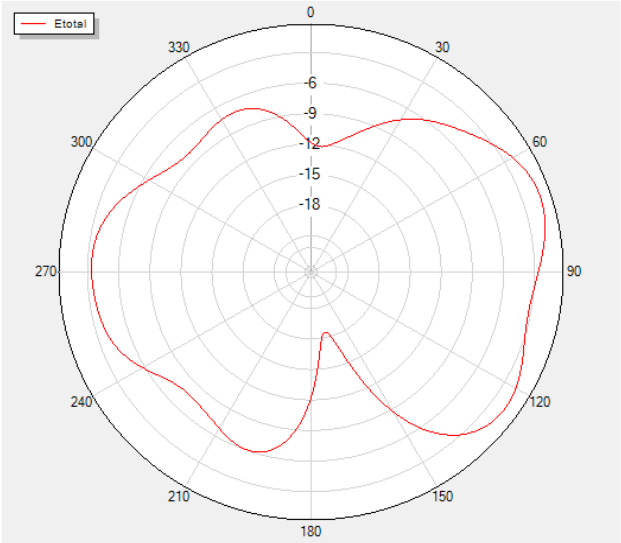
Theta=90 freq=2470MHz



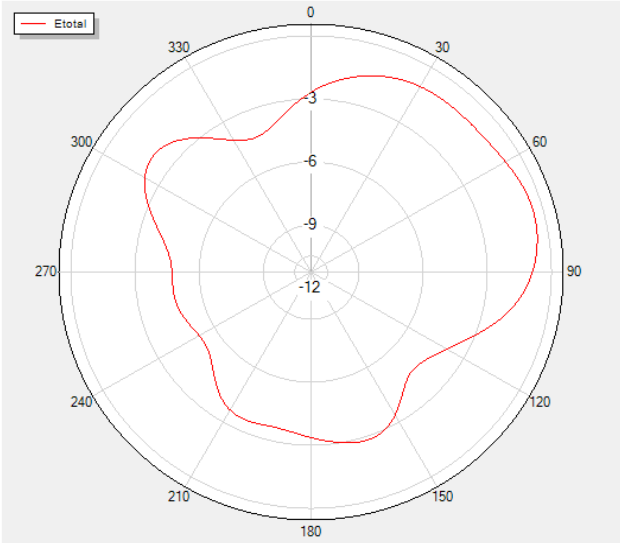
Phi=90 Freq=2470MHz



Phi=0 Freq=2470MHz

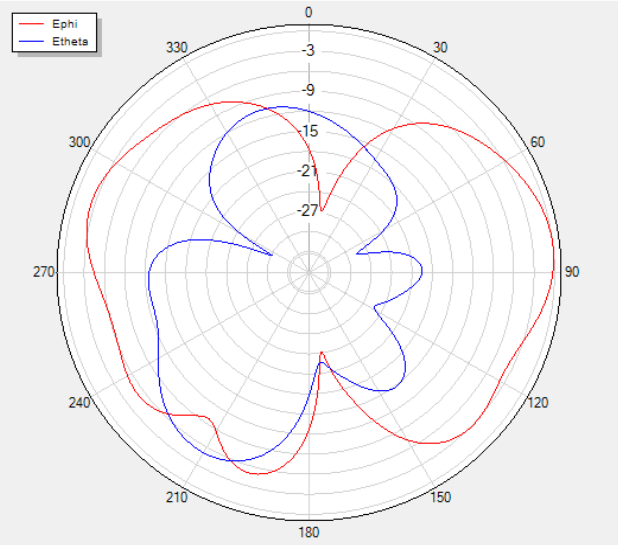


Theta=90 Freq=2470MHz

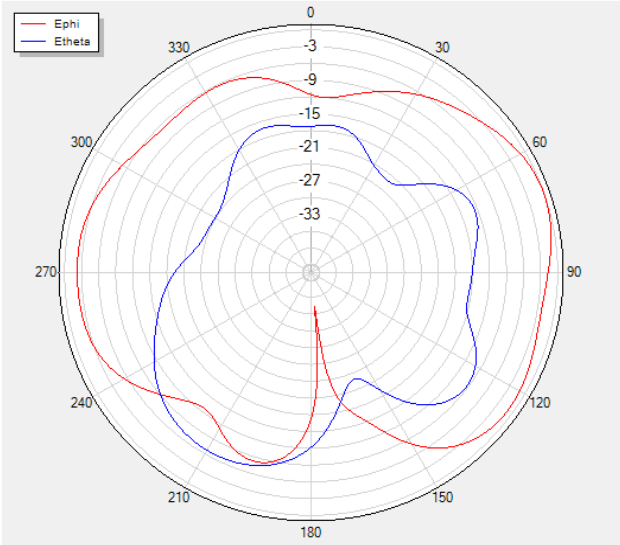


Radiation pattern(2D) = 2.480GHz

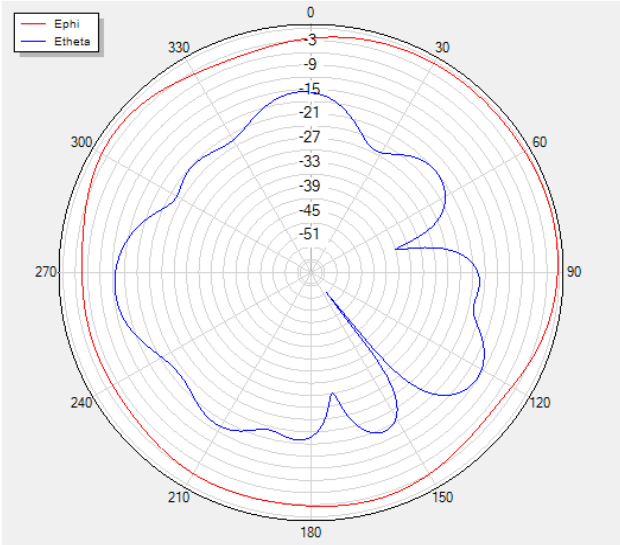
Phi=90 freq=2480MHz



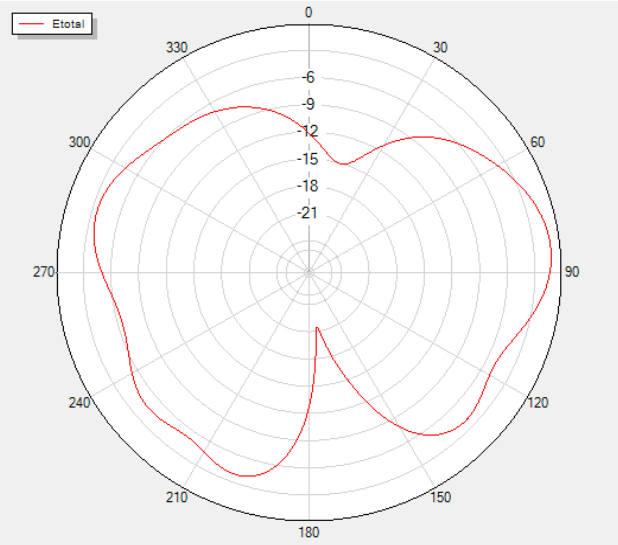
Phi=0 freq=2480MHz



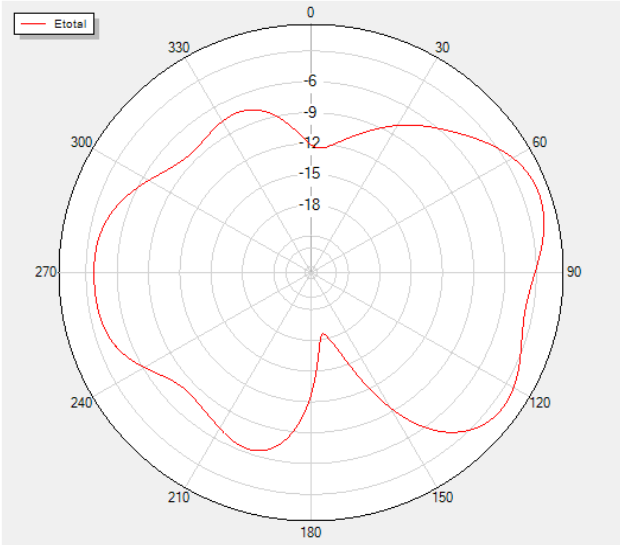
Theta=90 freq=2480MHz



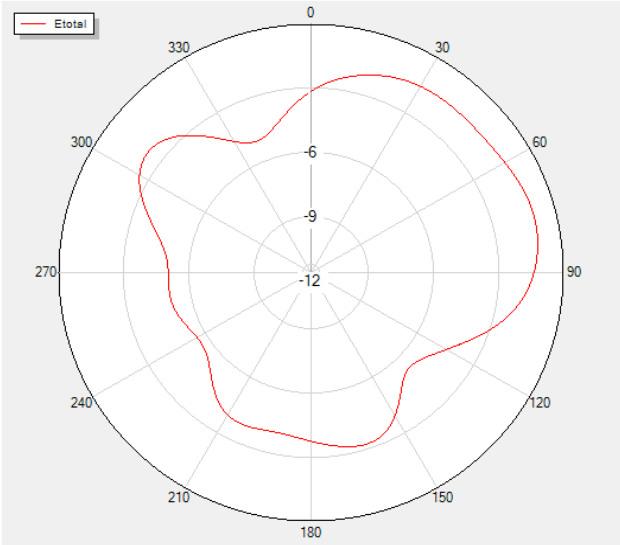
Phi=90 Freq=2480MHz



Phi=0 Freq=2480MHz

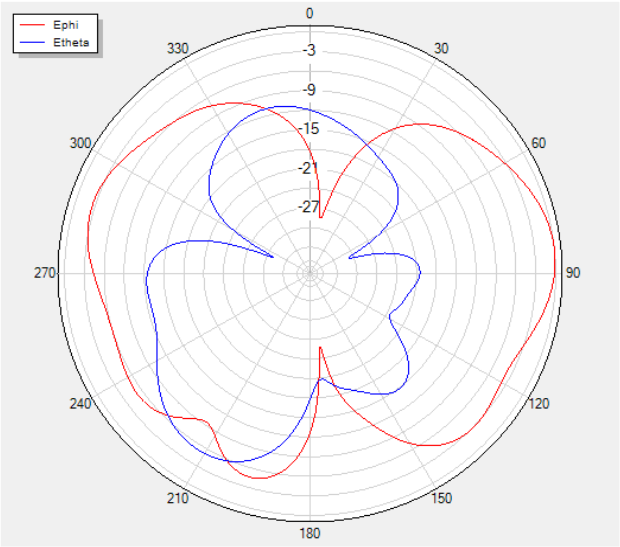


Theta=90 Freq=2480MHz

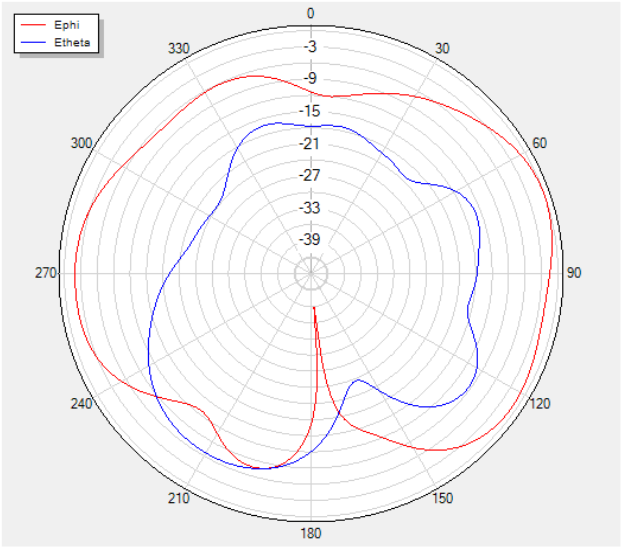


Radiation pattern(2D) = 2.490GHz

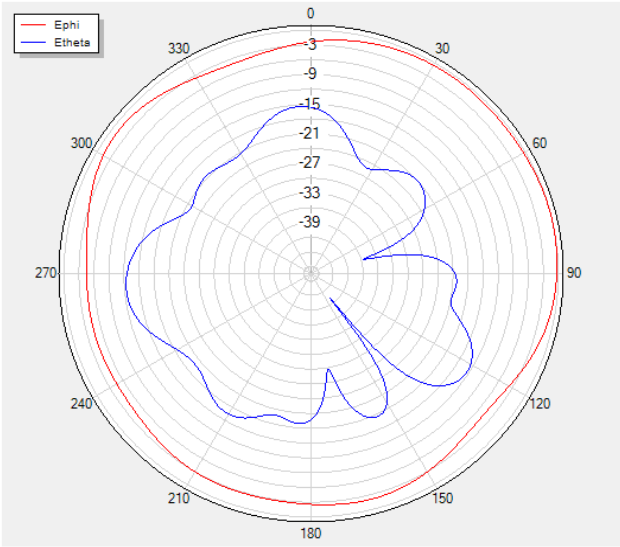
Phi=90 freq=2490MHz



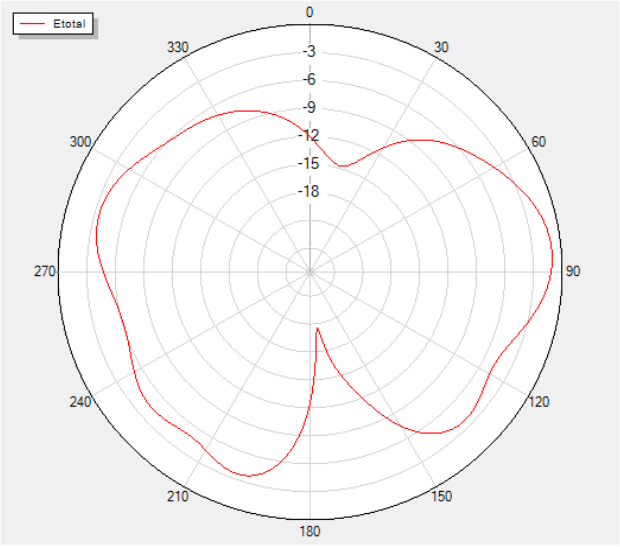
Phi=0 freq=2490MHz



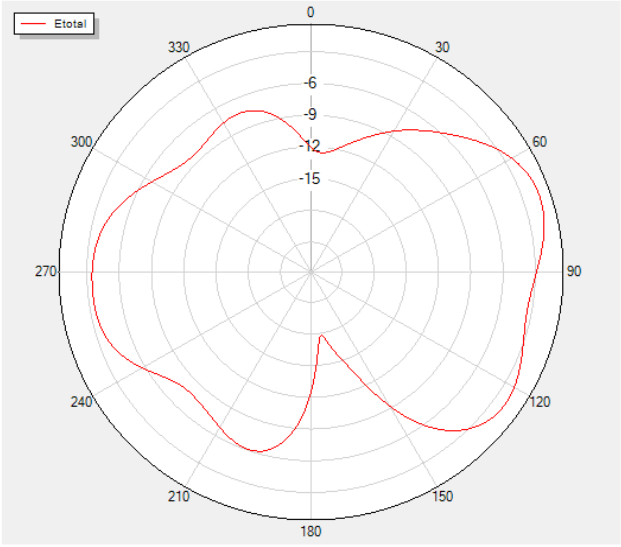
Theta=90 freq=2490MHz



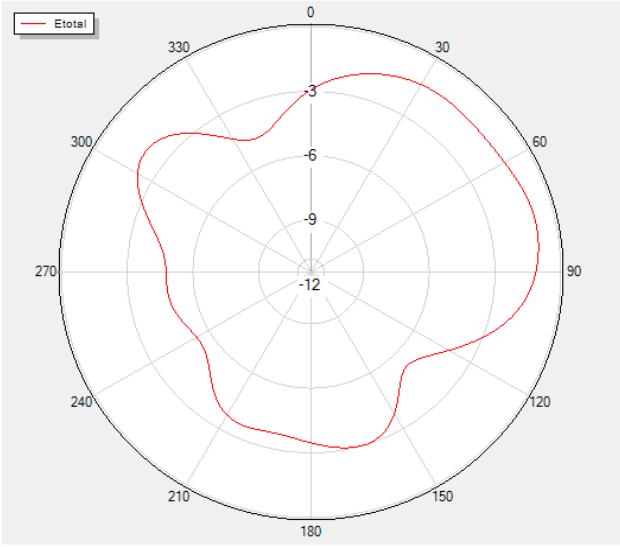
Phi=90 Freq=2490MHz



Phi=0 Freq=2490MHz

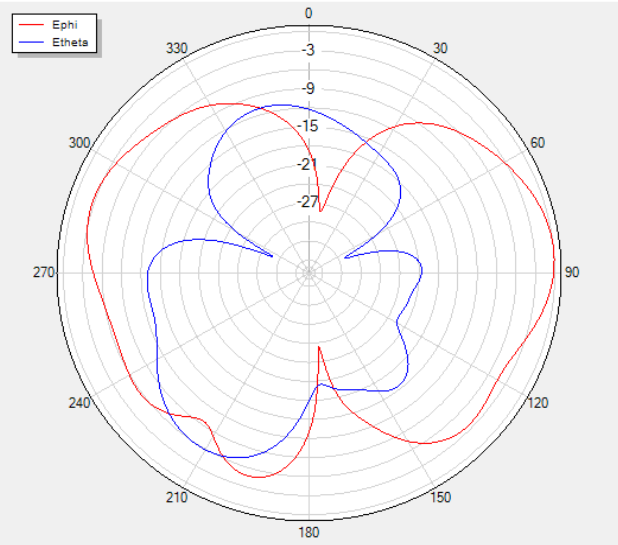


Theta=90 Freq=2490MHz

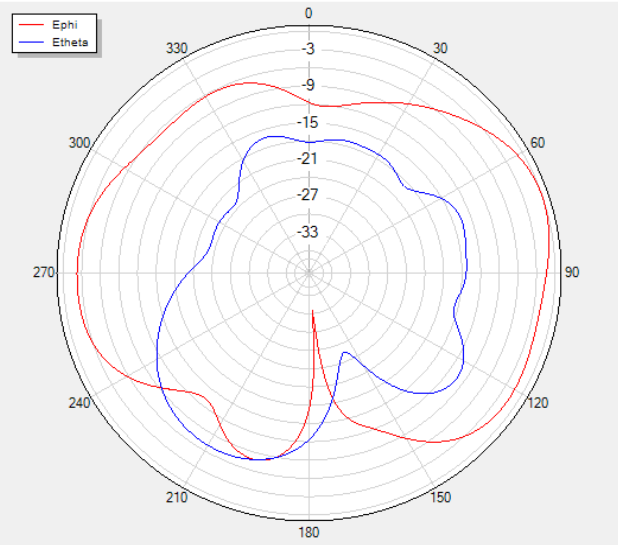


Radiation pattern(2D) = 2.500GHz

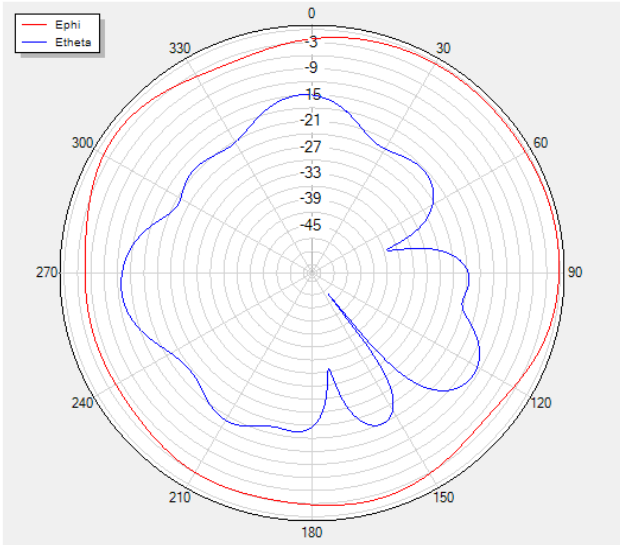
Phi=90 freq=2500MHz



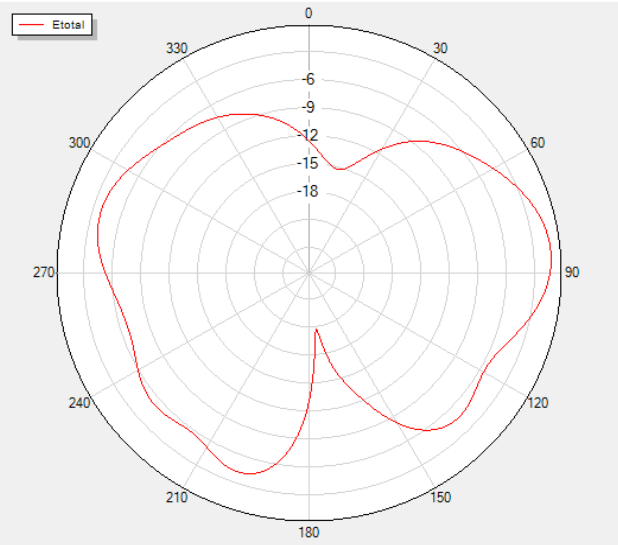
Phi=0 freq=2500MHz



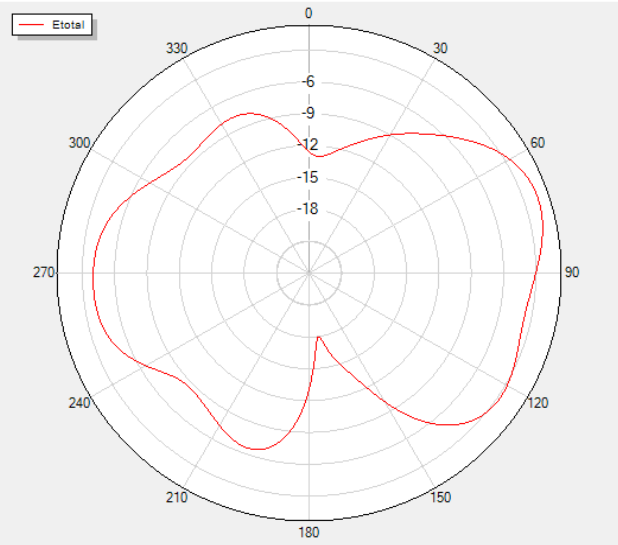
Theta=90 freq=2500MHz



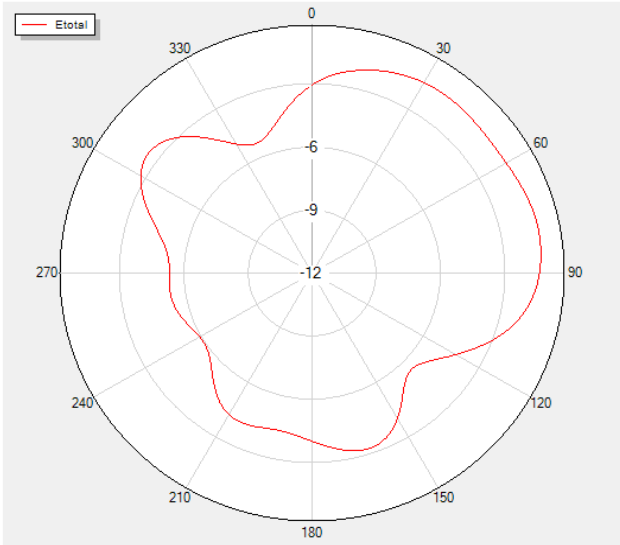
Phi=90 Freq=2500MHz



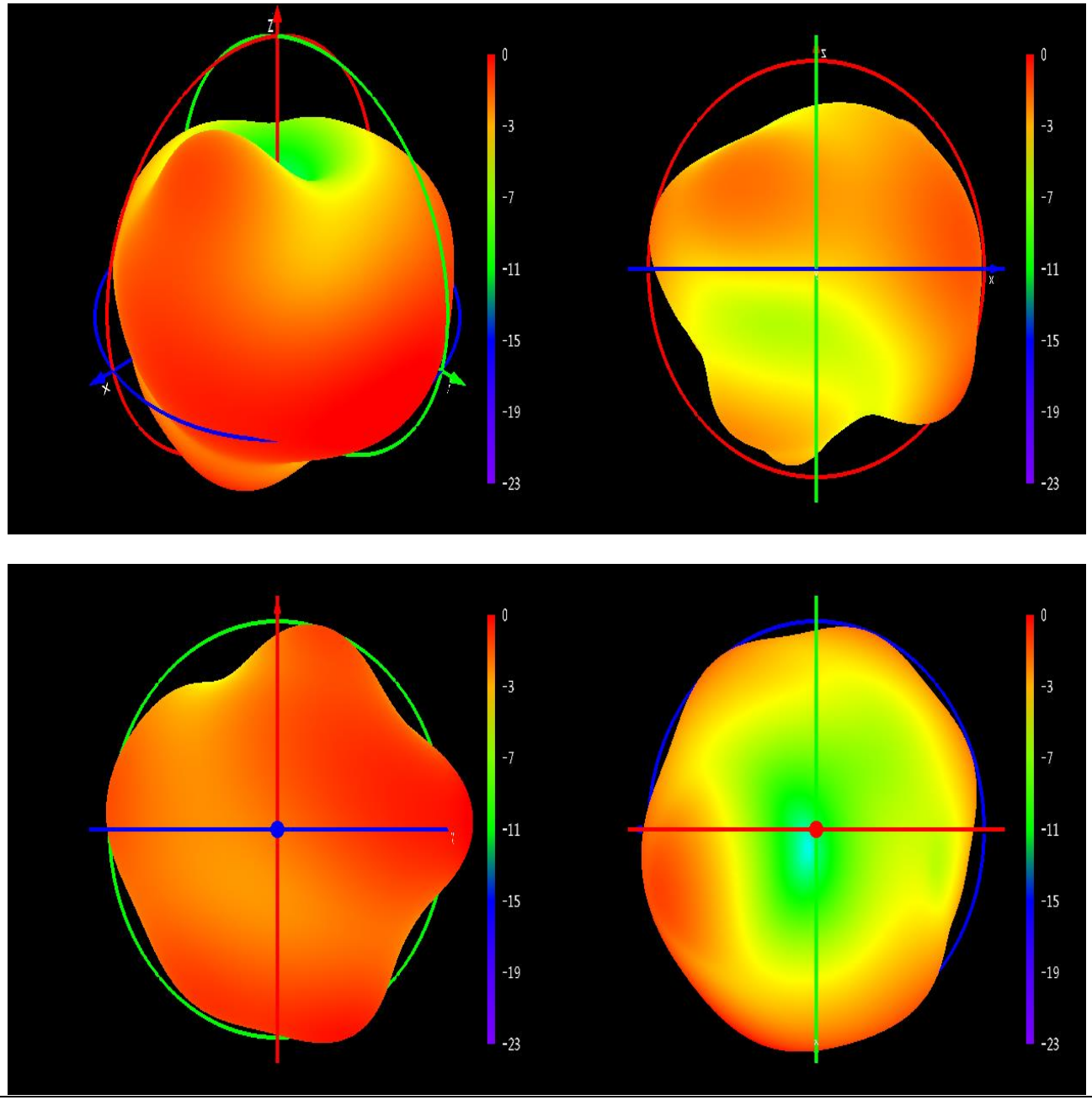
Phi=0 Freq=2500MHz



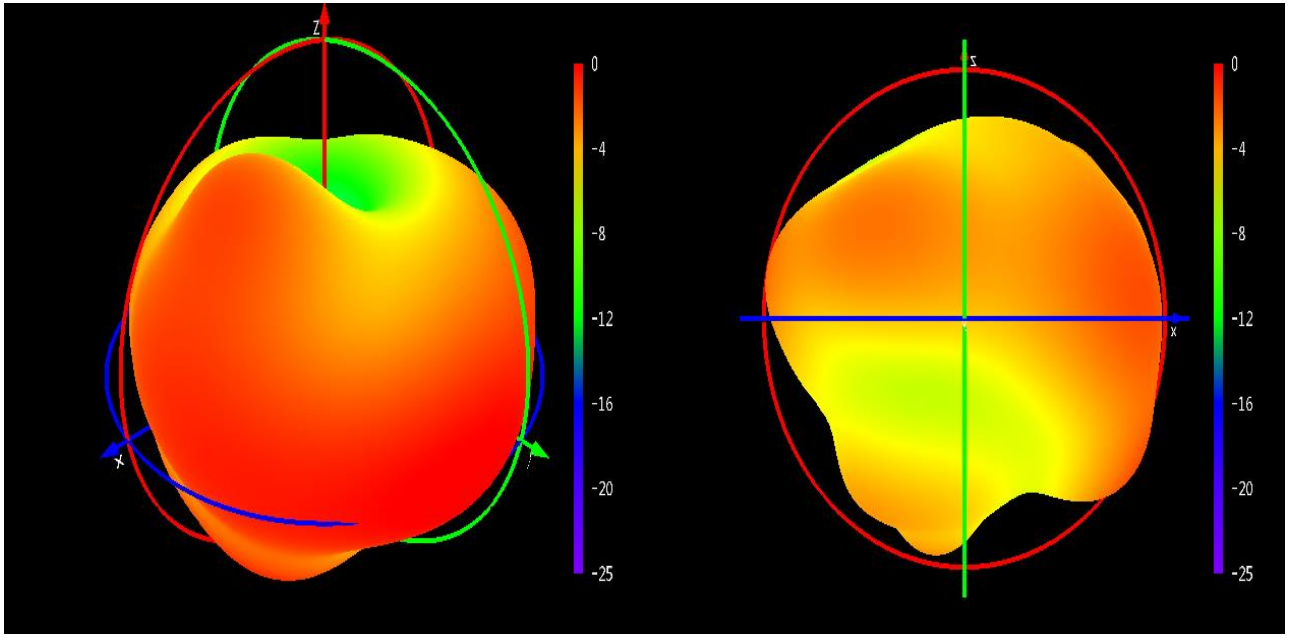
Theta=90 Freq=2500MHz

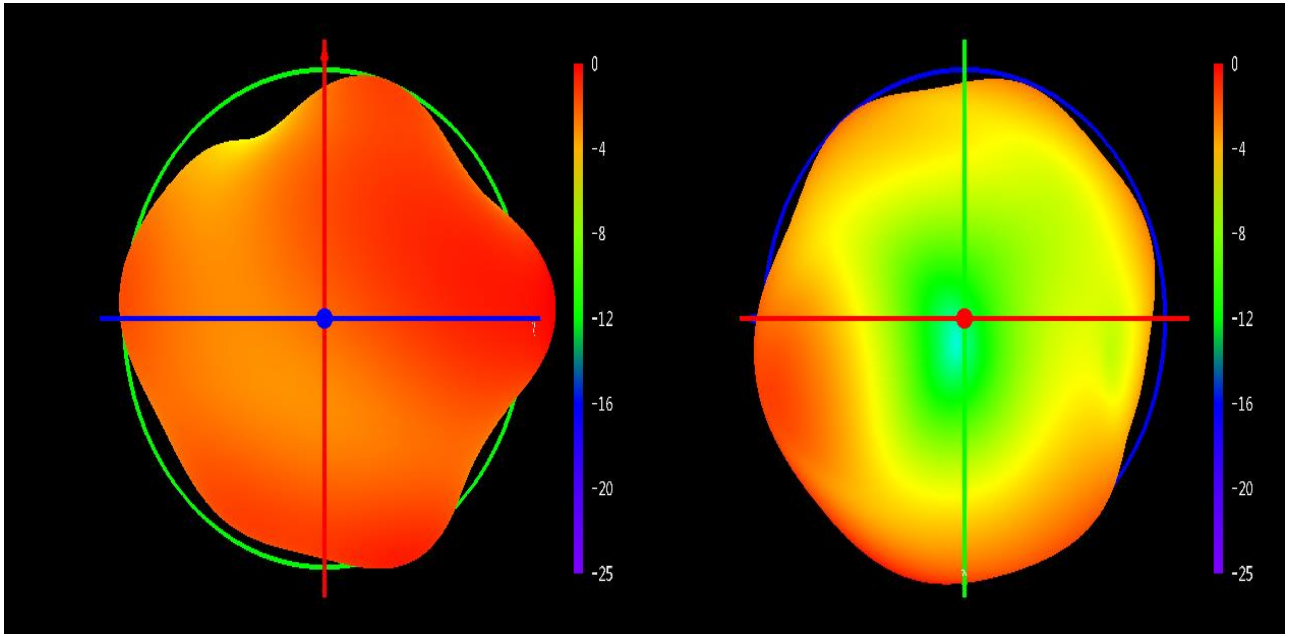


Radiation pattern(3D) = 2.400GHz

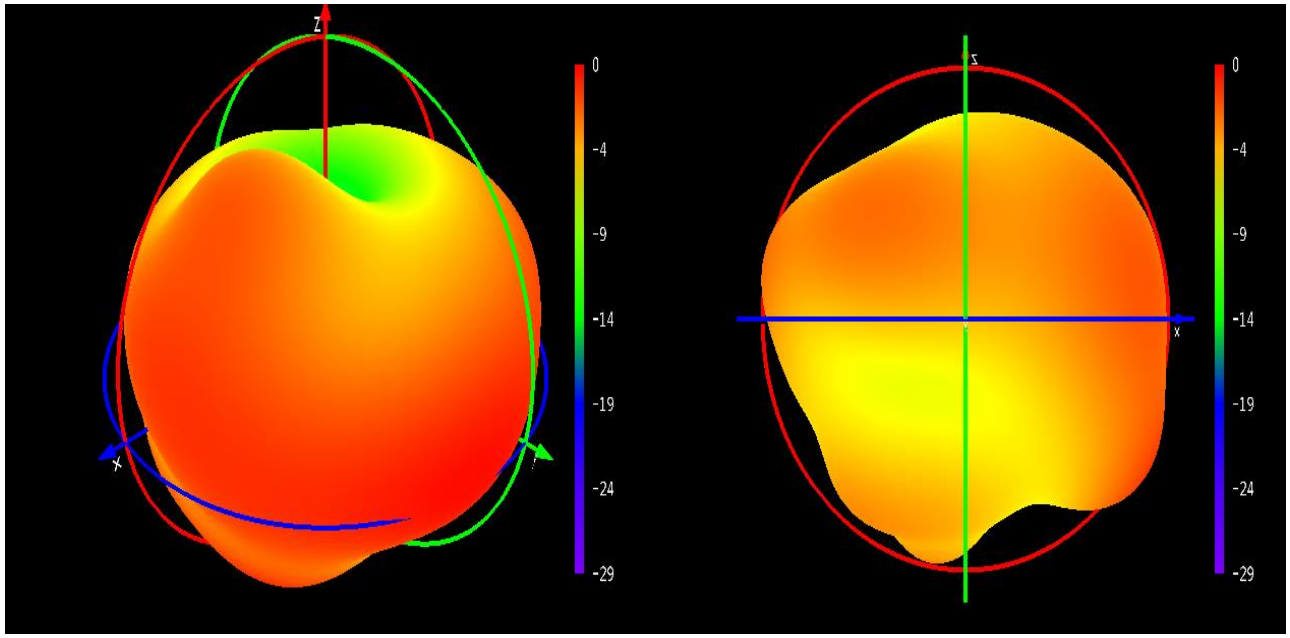


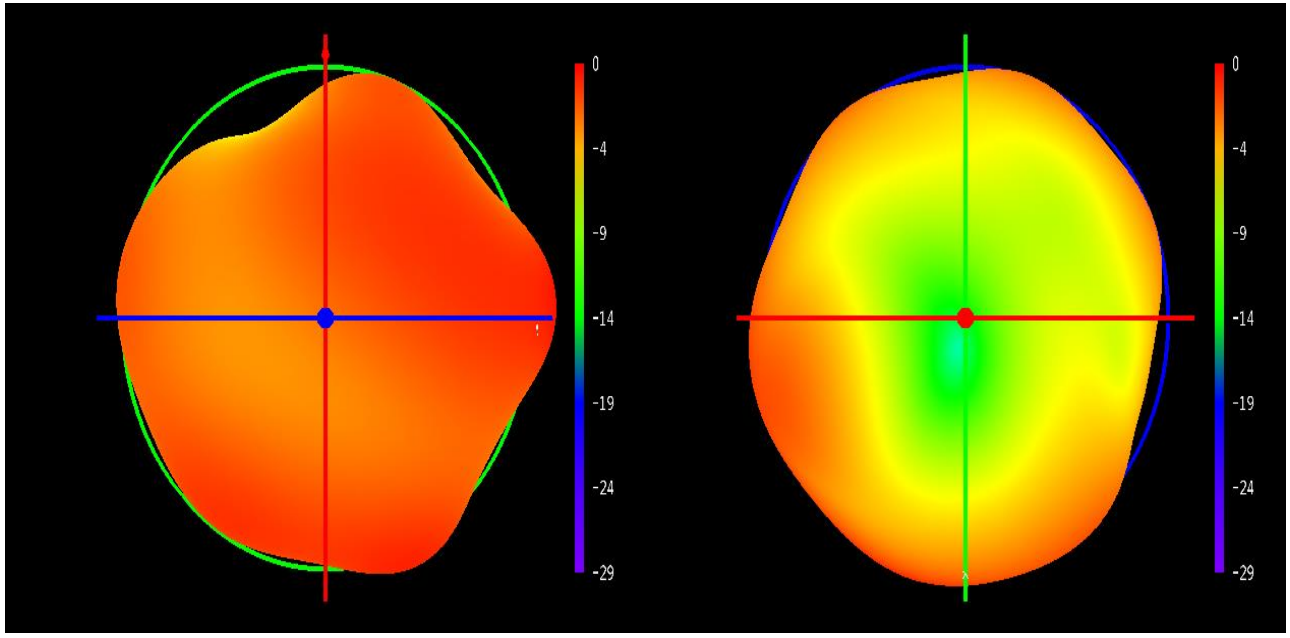
Radiation pattern(3D) = 2.410GHz



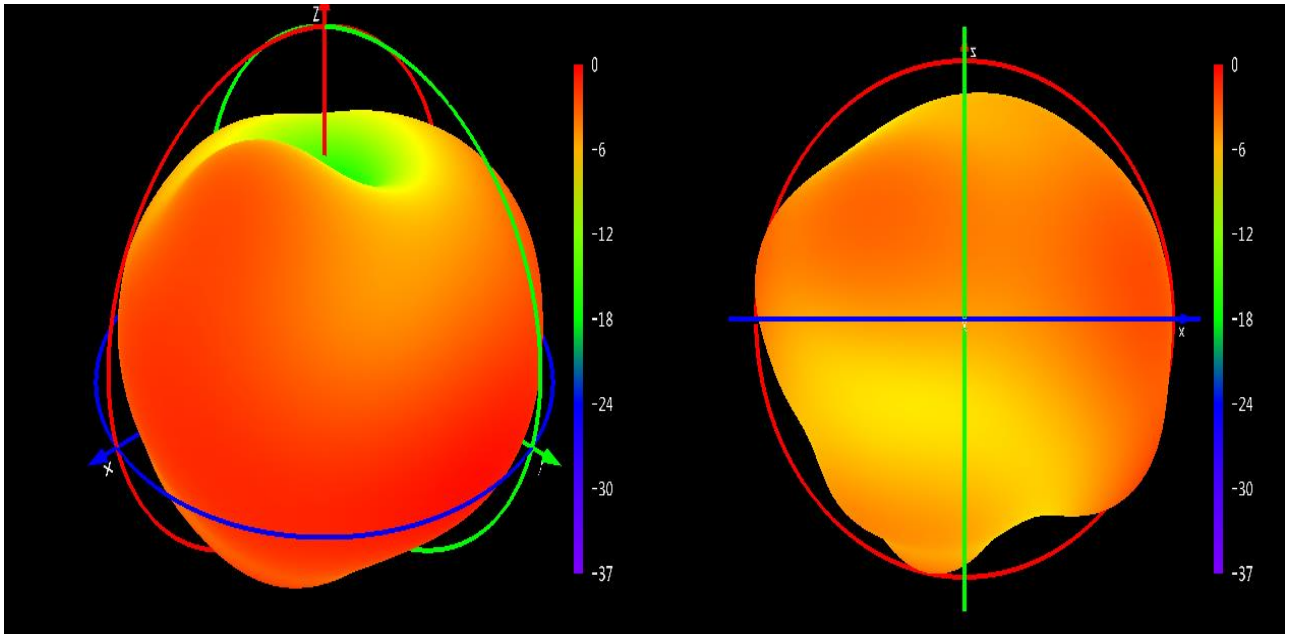


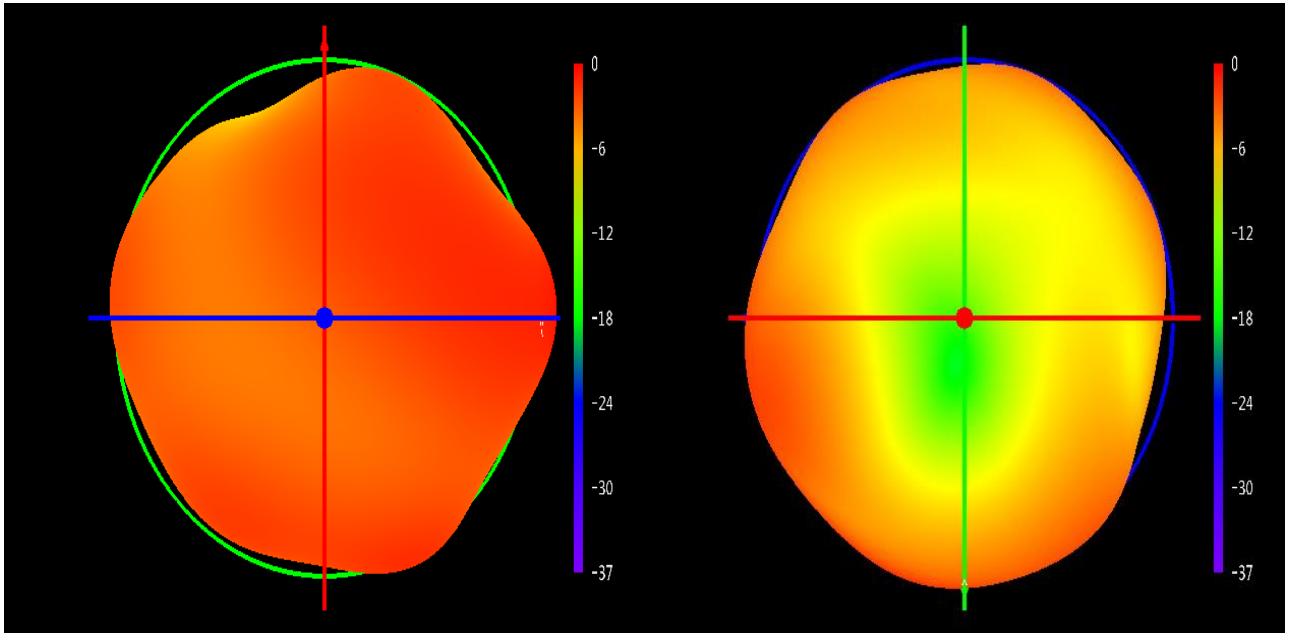
Radiation pattern(3D) = 2.420GHz



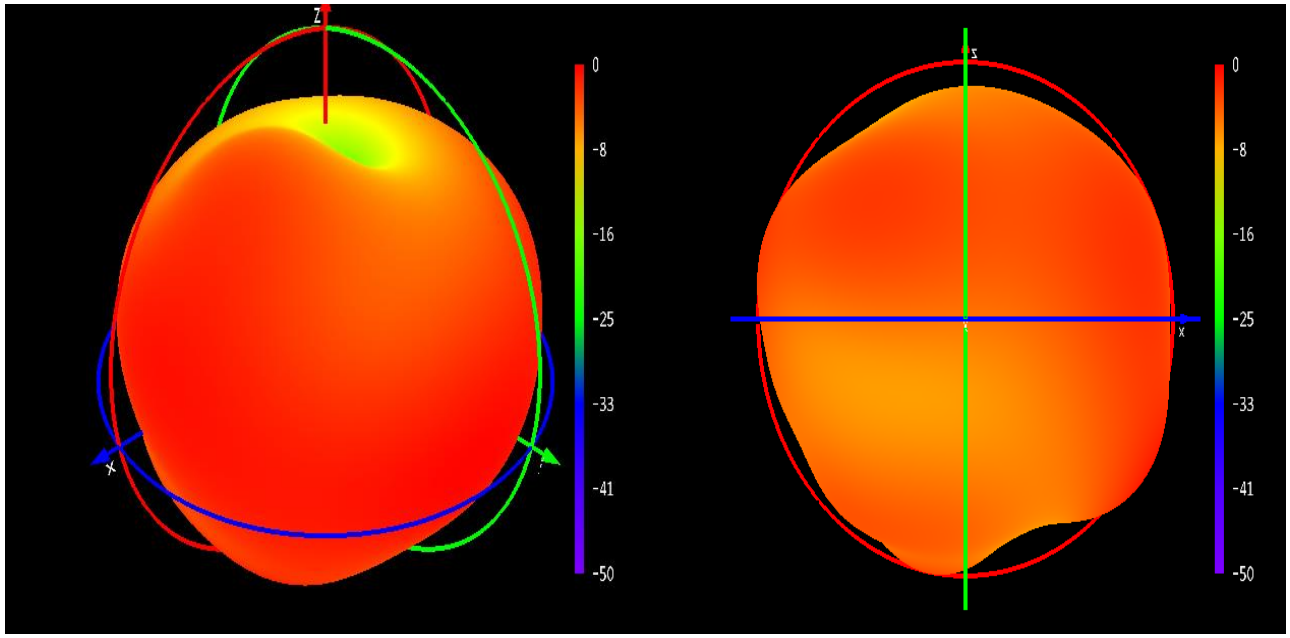


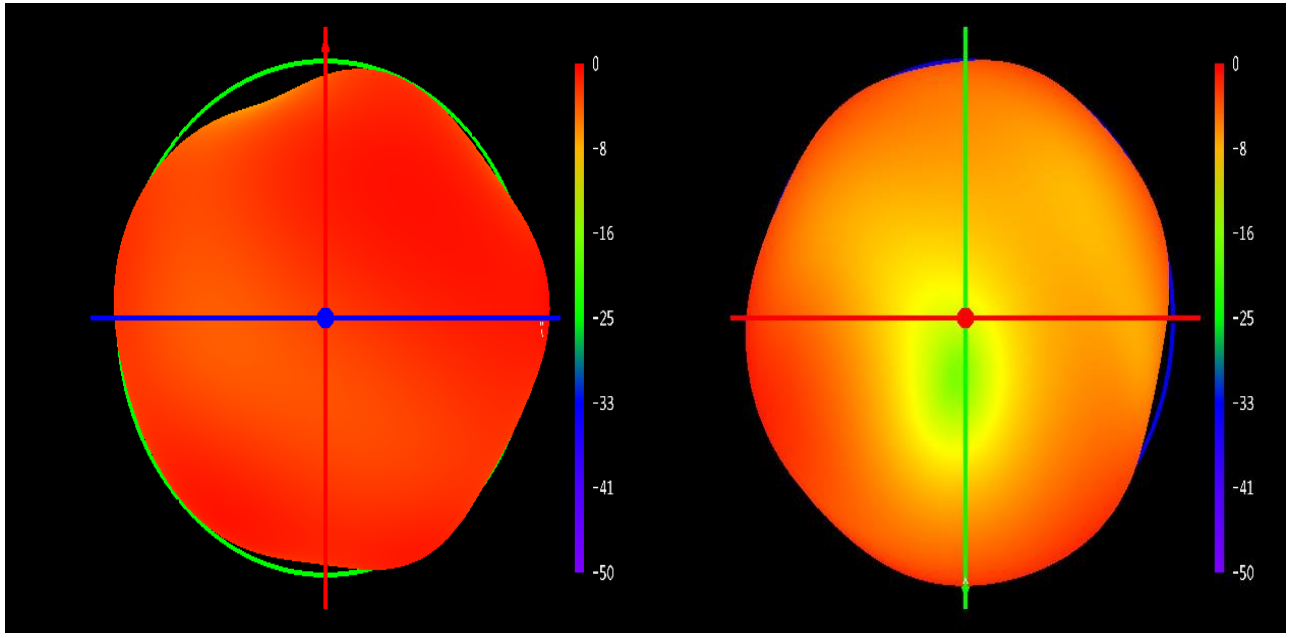
Radiation pattern(3D) = 2.430GHz



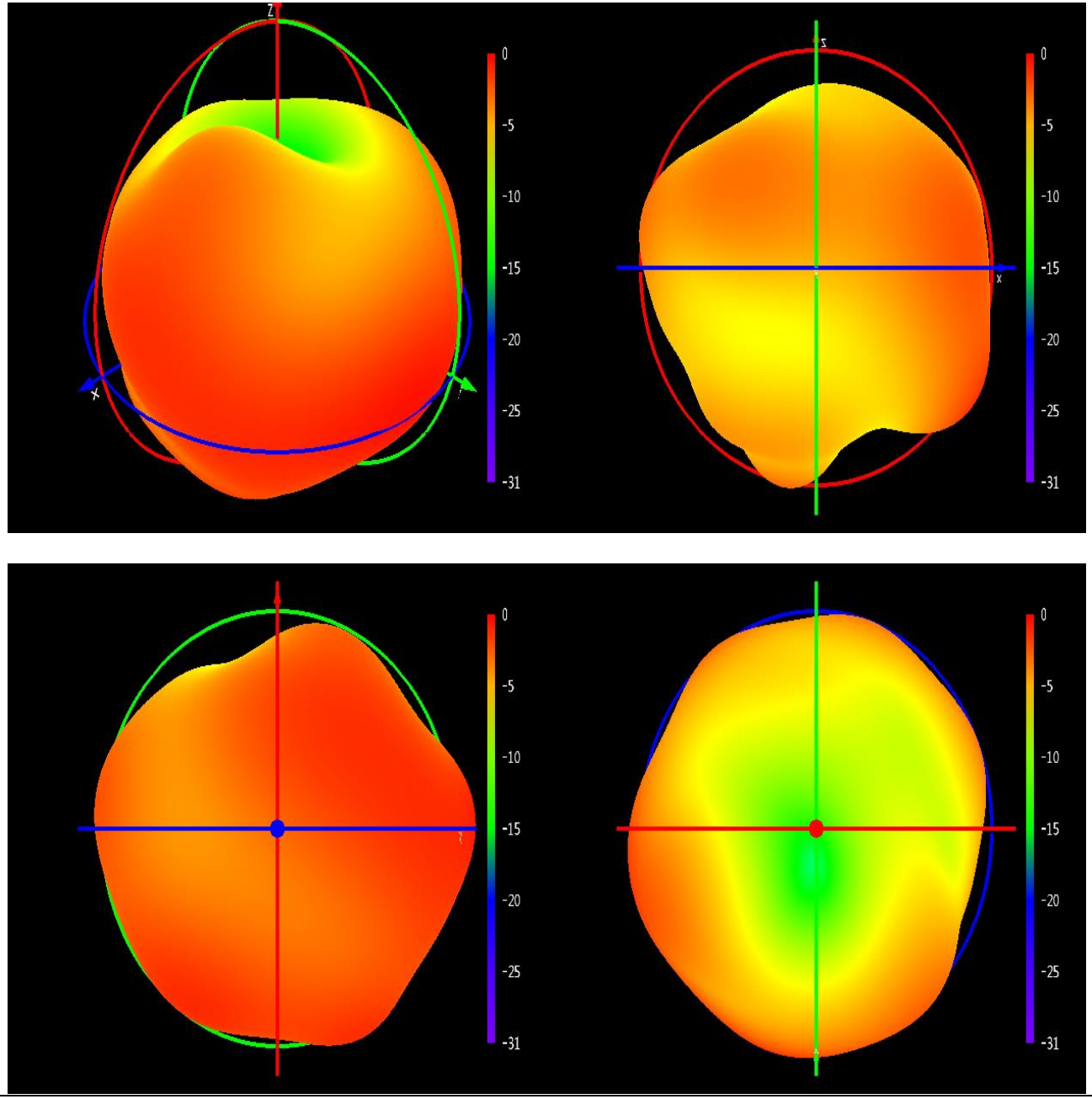


Radiation pattern(3D) = 2.440GHz

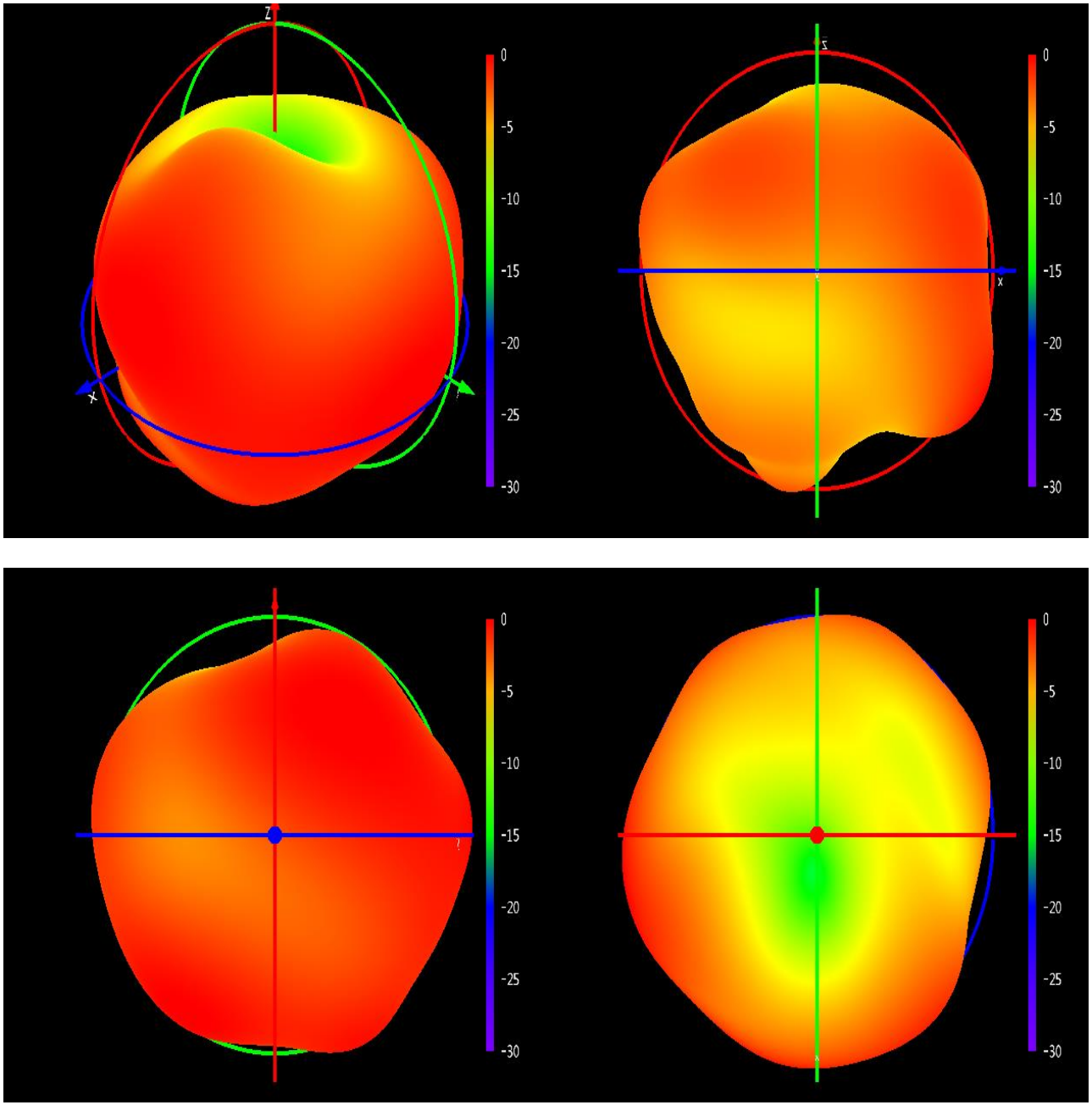




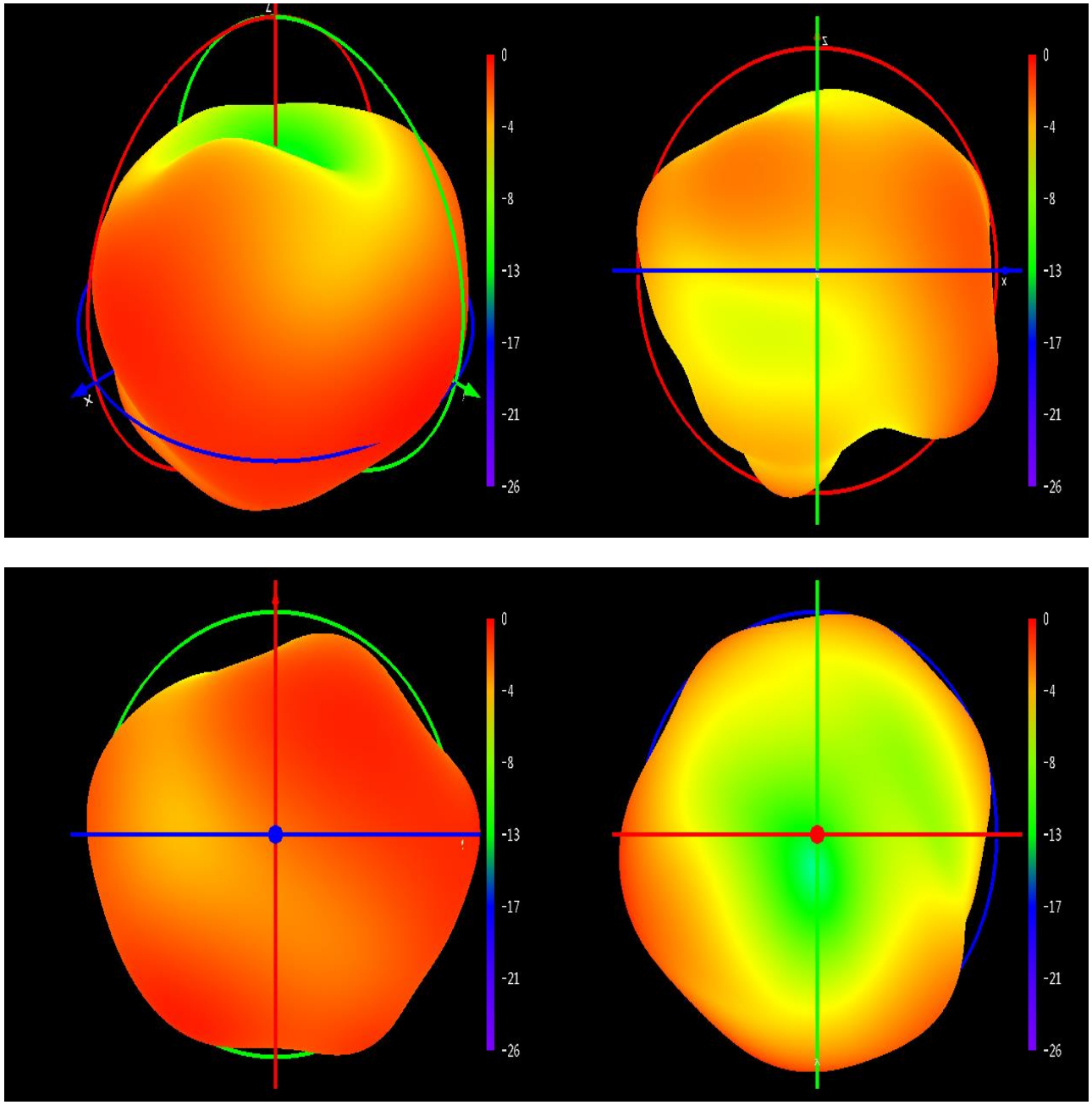
Radiation pattern(3D) = 2.450GHz



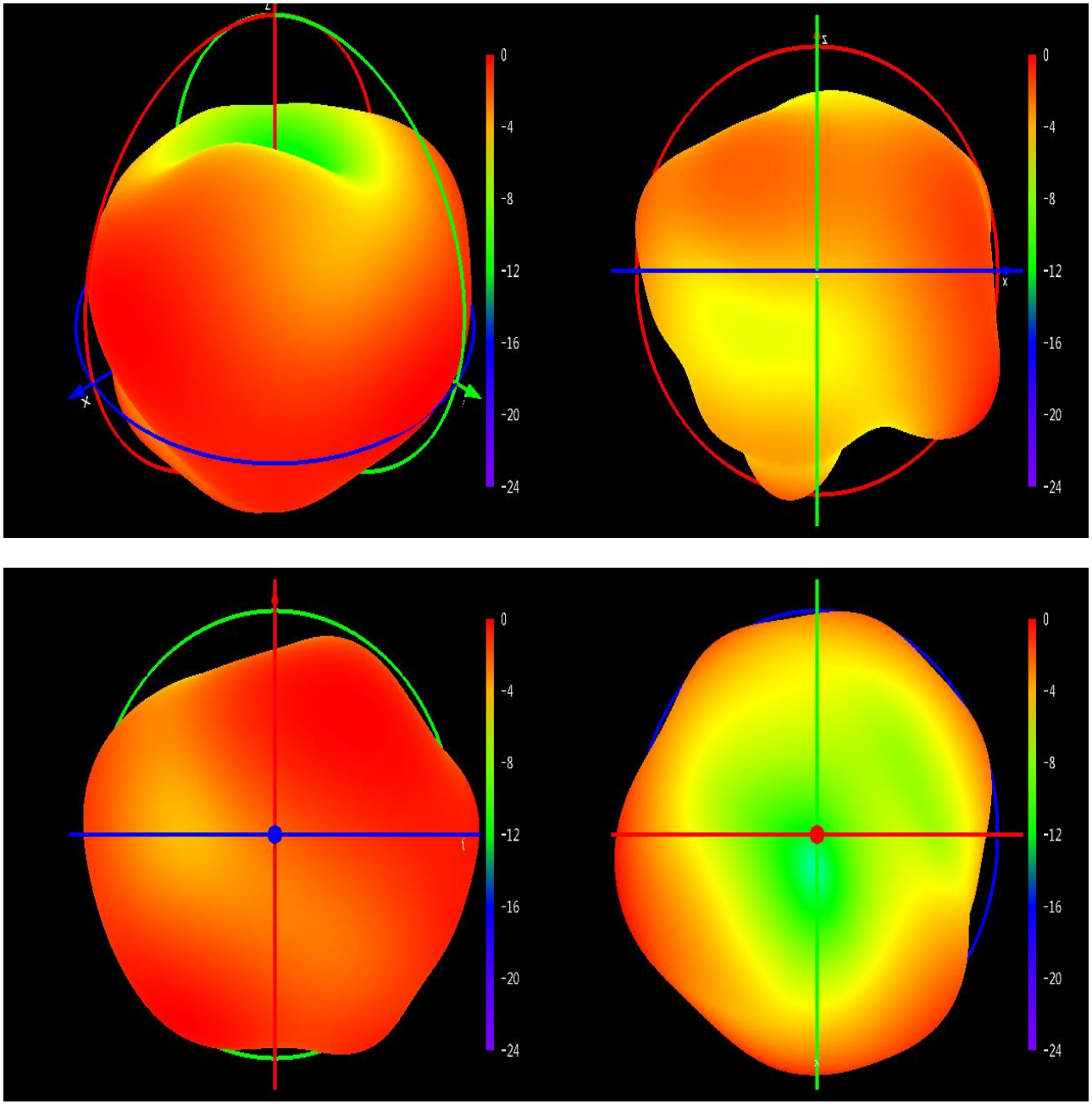
Radiation pattern(3D) = 2.460GHz



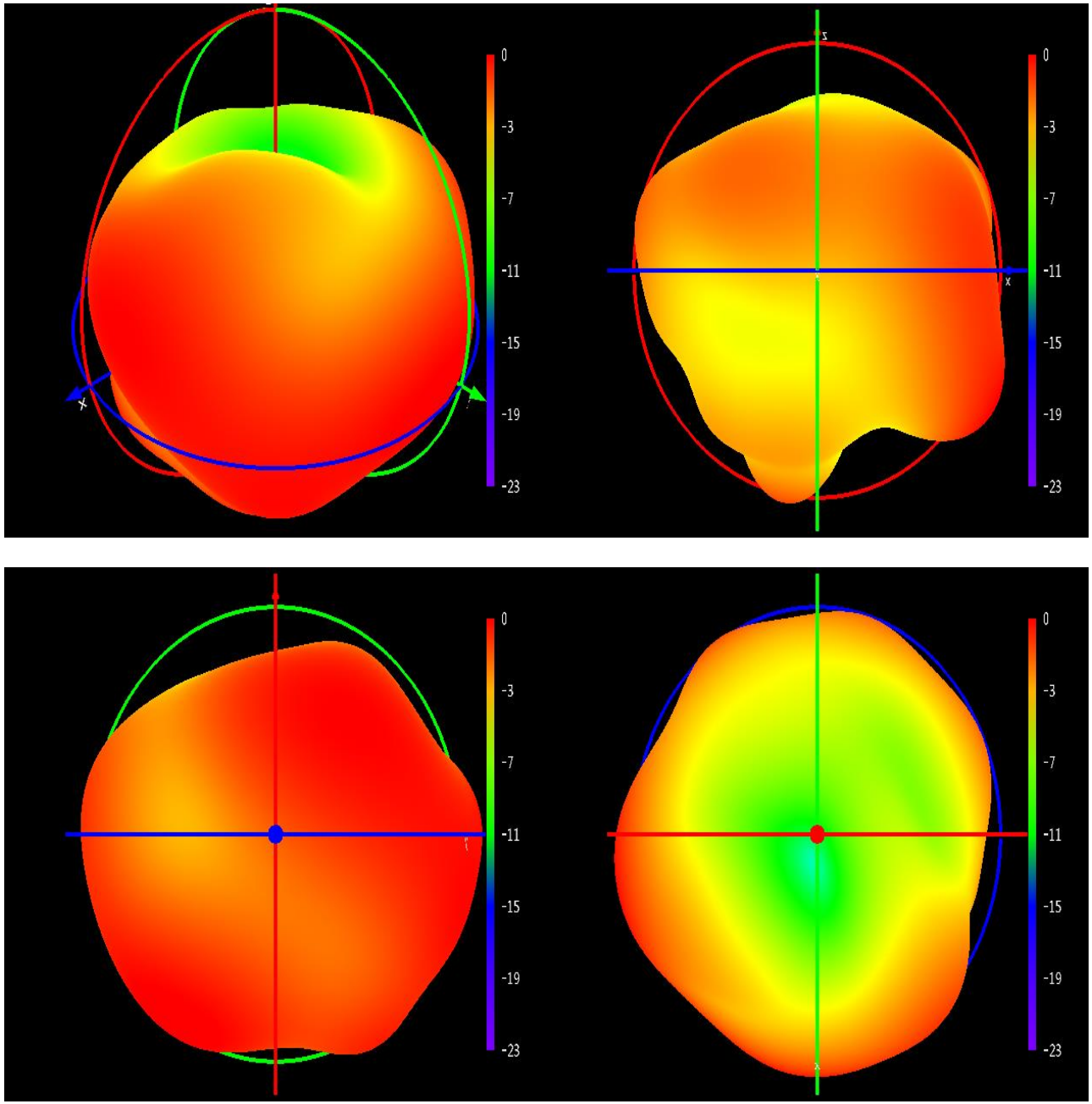
Radiation pattern(3D) = 2.470GHz



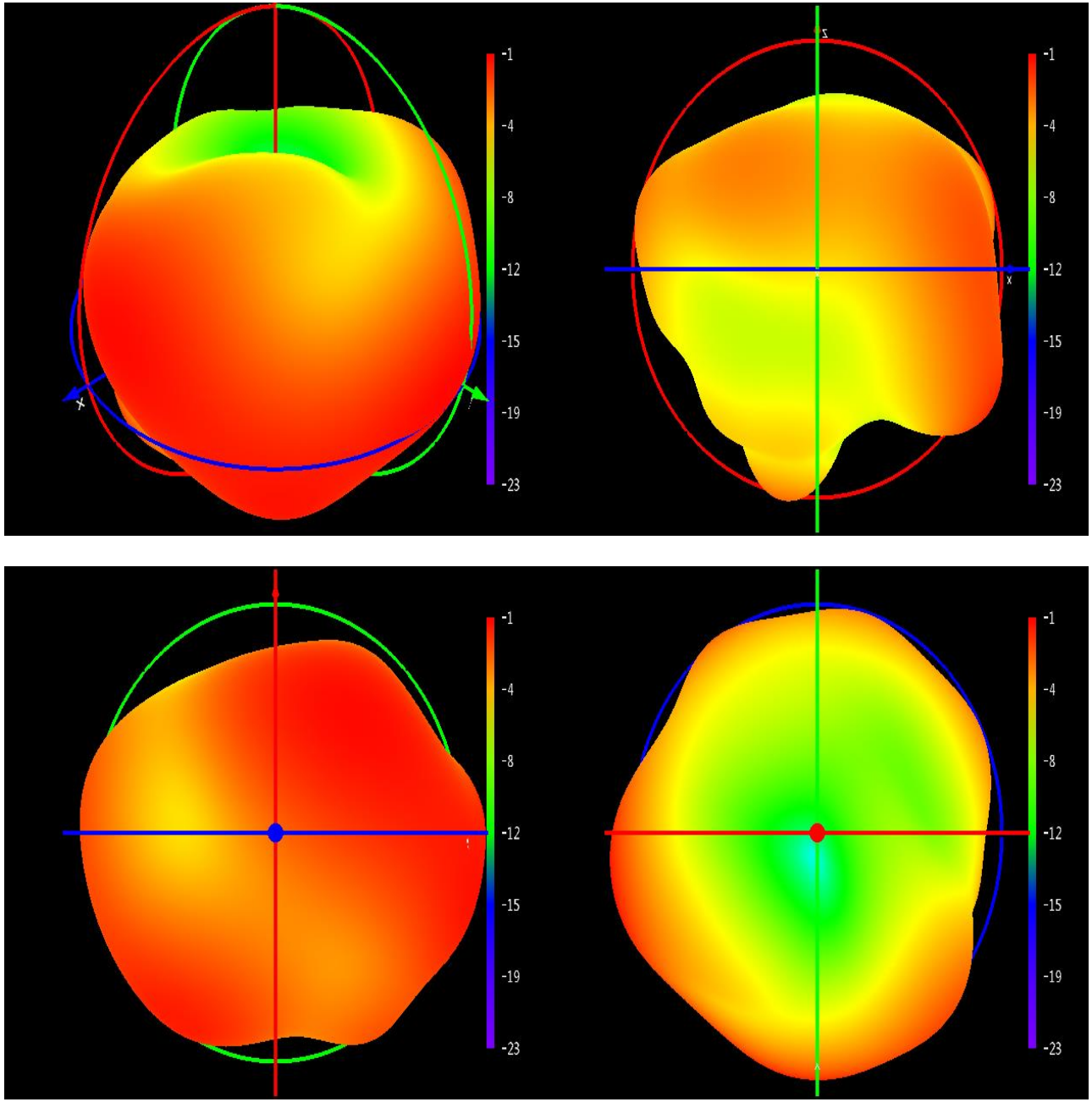
Radiation pattern(3D) = 2.480GHz



Radiation pattern(3D) = 2.490GHz



Radiation pattern(3D) = 2.500GHz



Measurements summary

Frequency(MHz)	Gain(dBi)	Min Gain(dBi)	CP Gain(dBi)	CO Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-0.57	-23.2	--	--	-4.47	35.75
2410	-0.49	-26.09	--	--	-4.38	36.48
2420	-0.42	-29.07	--	--	-4.28	37.37
2430	-0.39	-37.13	--	--	-4.21	37.94
2440	-0.42	-49.73	--	--	-4.1	38.95
2450	-0.44	-31.53	--	--	-4.06	39.24
2460	-0.54	-30.71	--	--	-4.02	39.63
2470	-0.64	-26.77	--	--	-4.06	39.25
2480	-0.77	-25.43	--	--	-4.14	38.58
2490	-0.91	-24.09	--	--	-4.25	37.6
2500	-1.11	-23.45	--	--	-4.51	35.39