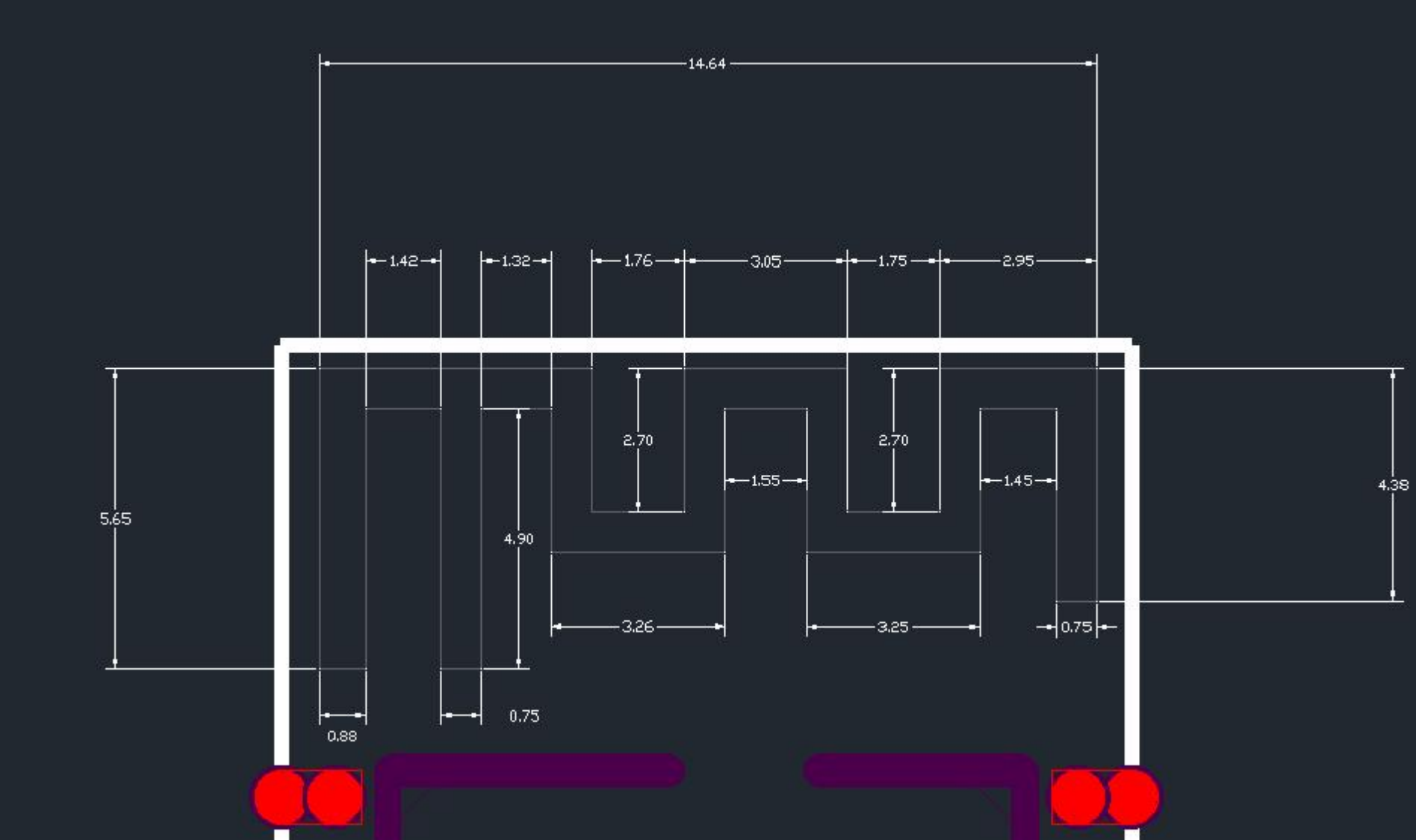


Antenna Specification

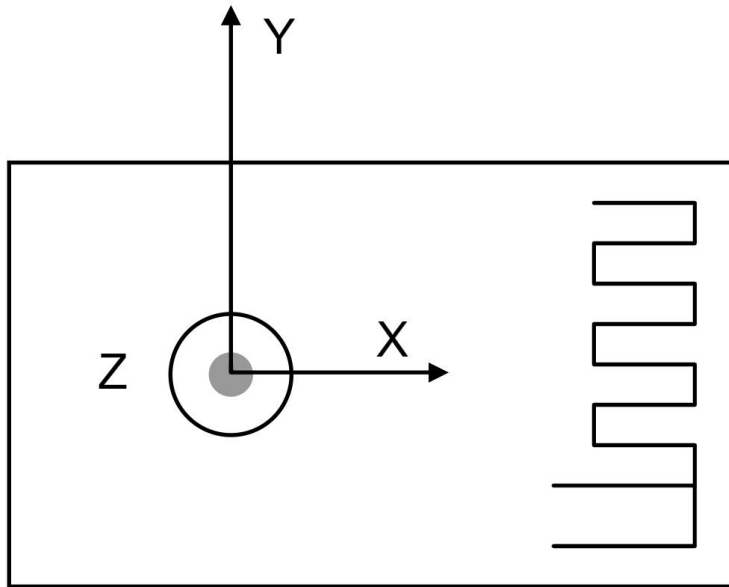
ITEM	SPEC
Antenna type	PCB Antenna(B)
Center Frequency	2400Mhz -0.25dBi 2450Mhz -0.56dBi 2500Mhz -1.45dBi
MAX GAIN	-0.25dbi
Polarization	Horizontal
Azimuth Beam Pattern	Omni-directional
Impedance	50ohm
Antenna Length	40mm

Antenna Photo & Length(mm)

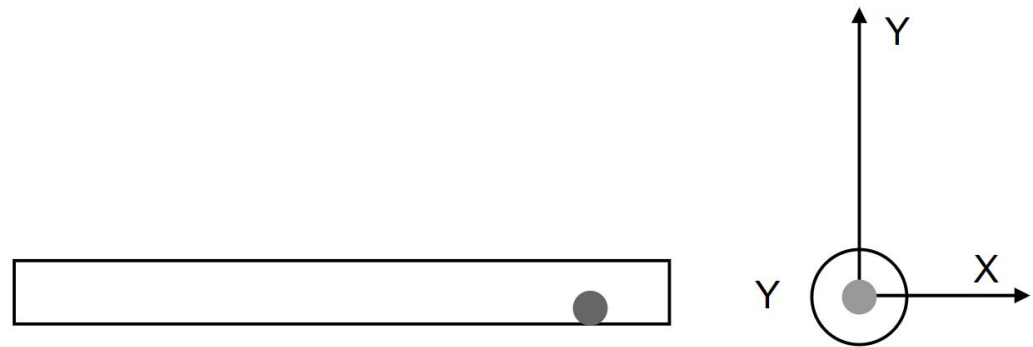


Coordinate System Reference: Antenna

Top view



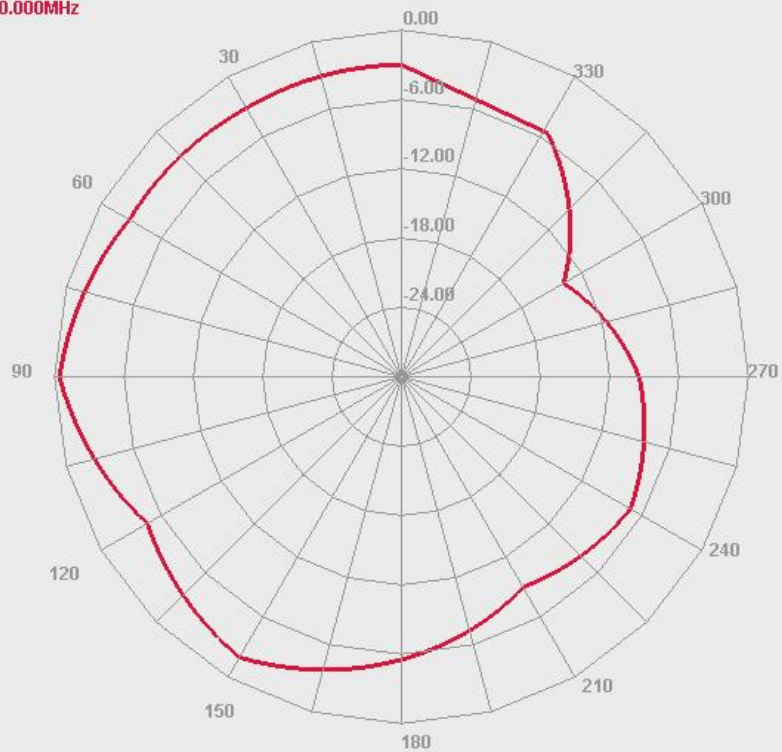
Side view



2D Radiation pattern f = 2410MHz

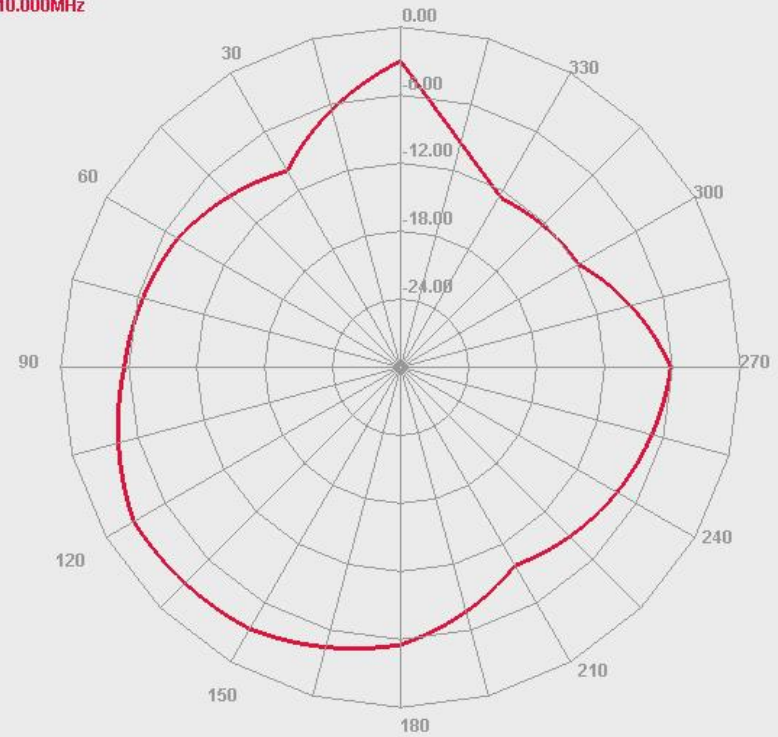
E1 Face

2410.000MHz



E2 Face

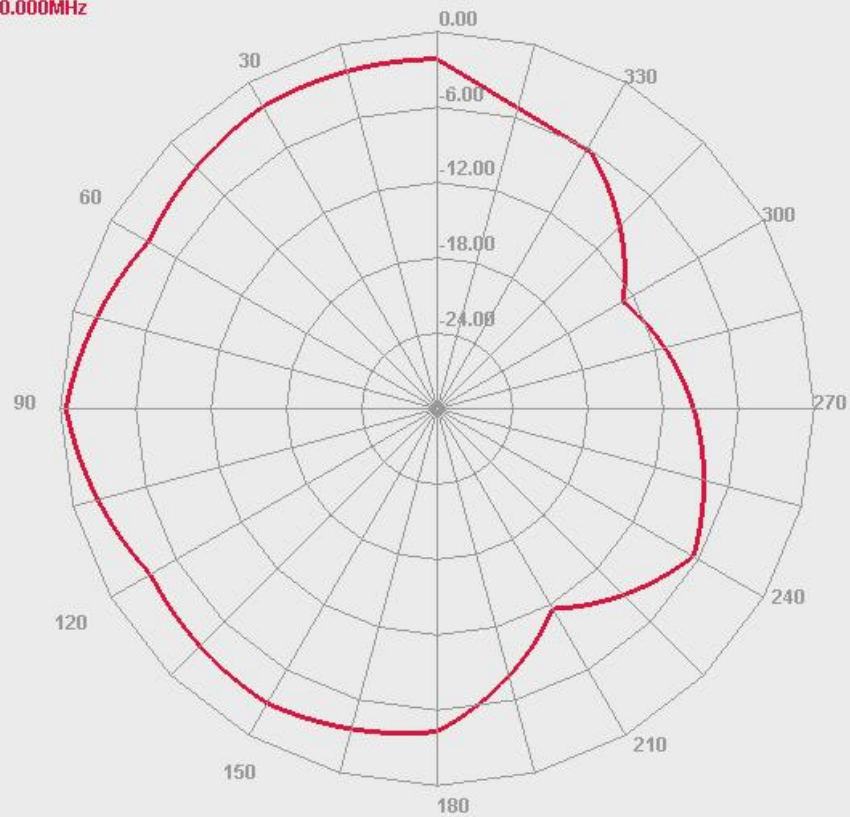
2410.000MHz



2D Radiation pattern f = 2440MHz

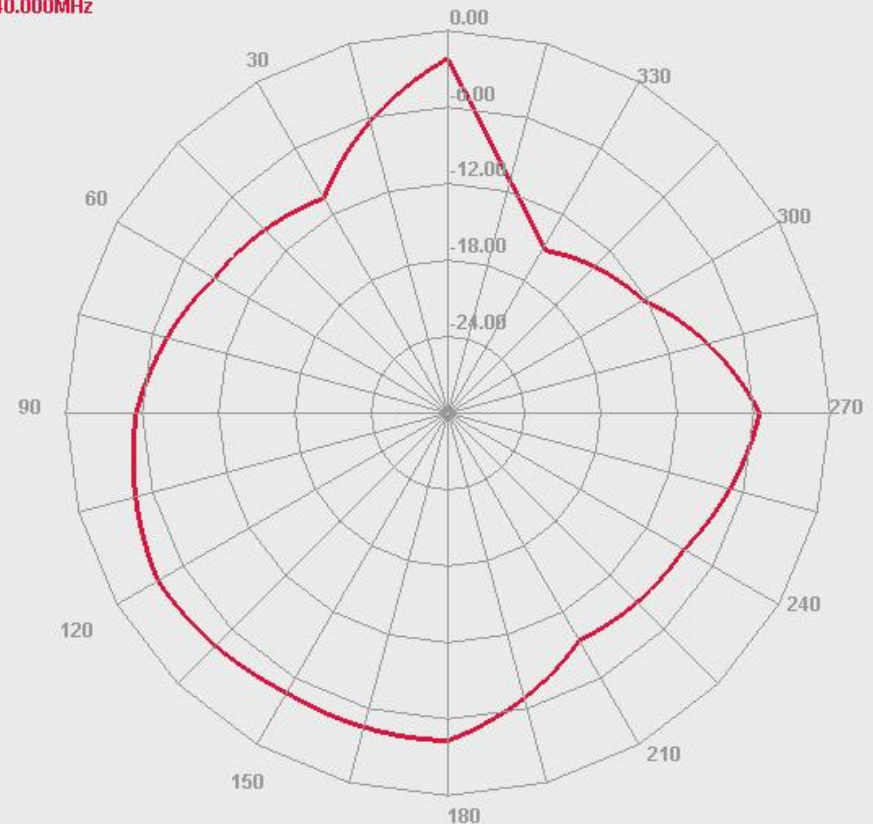
E1 Face

2440.000MHz



E2 Face

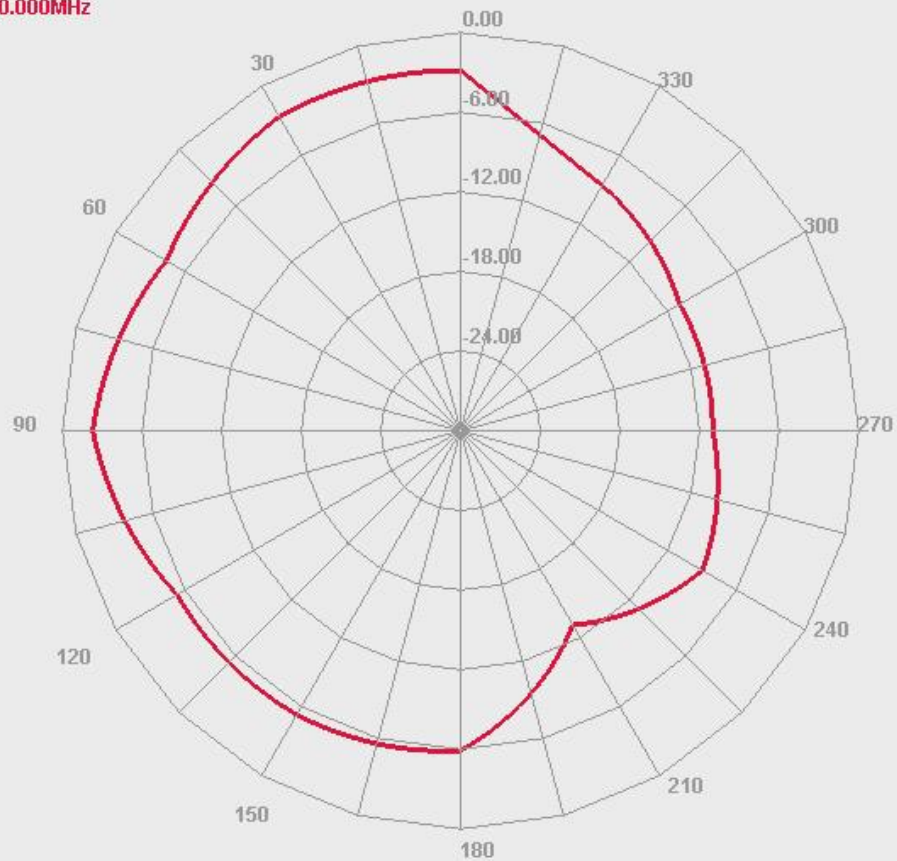
2440.000MHz



2D Radiation pattern f = 2480MHz

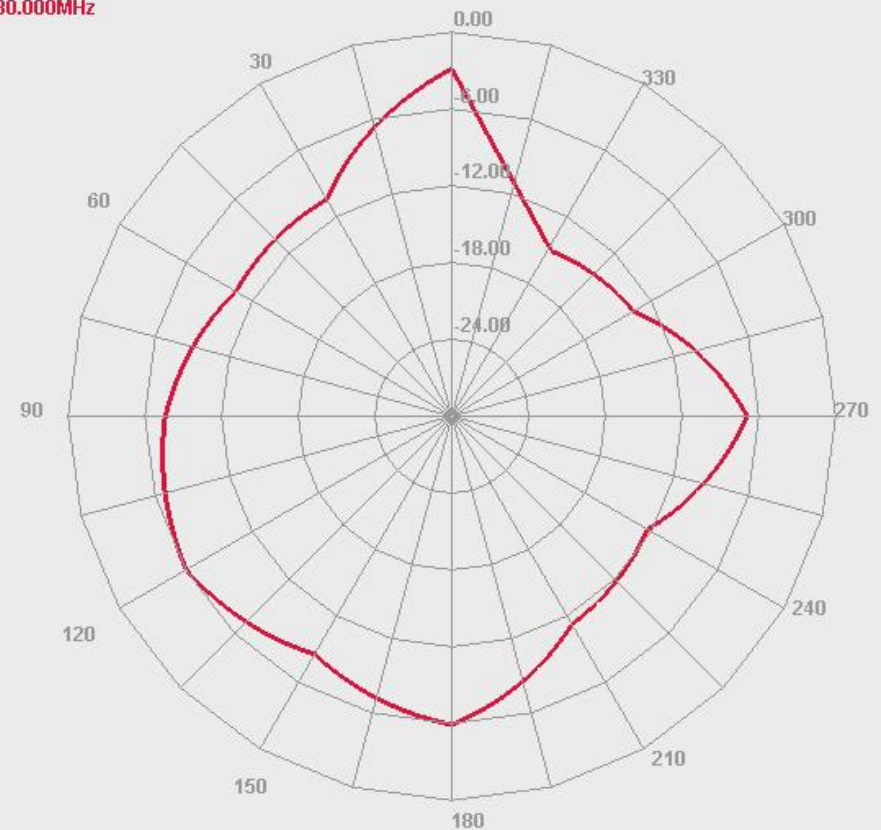
E1 Face

2480.000MHz

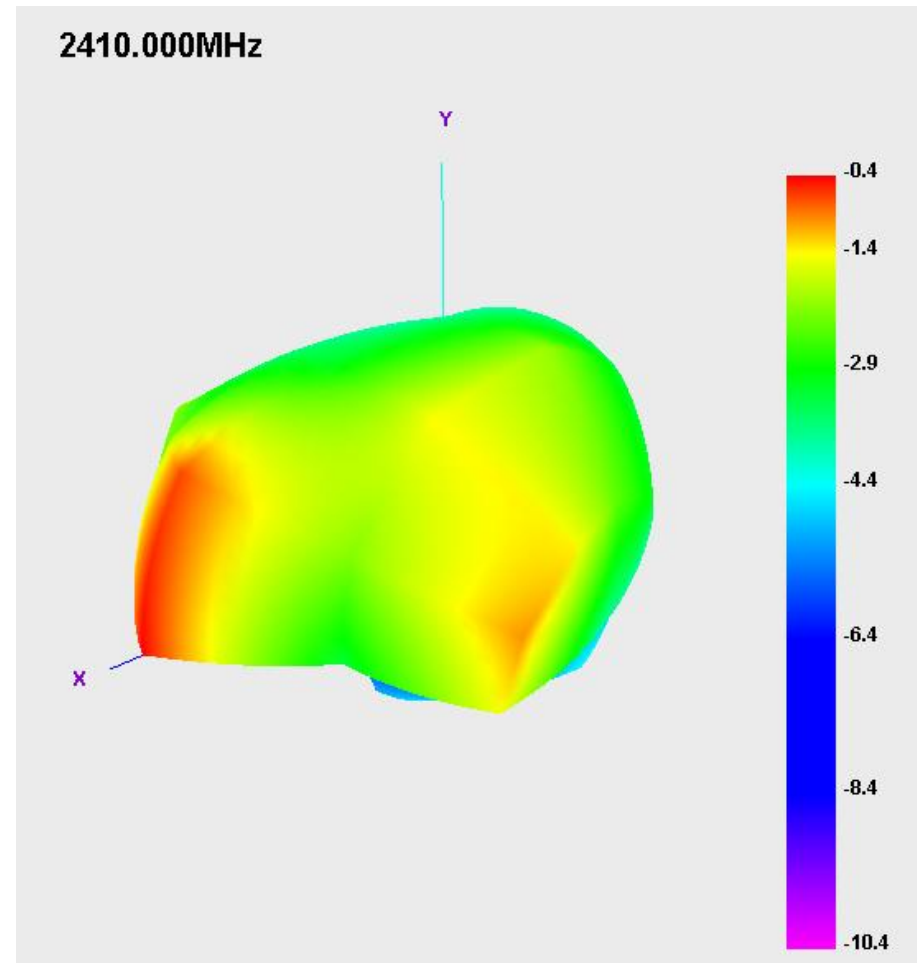


E2 Face

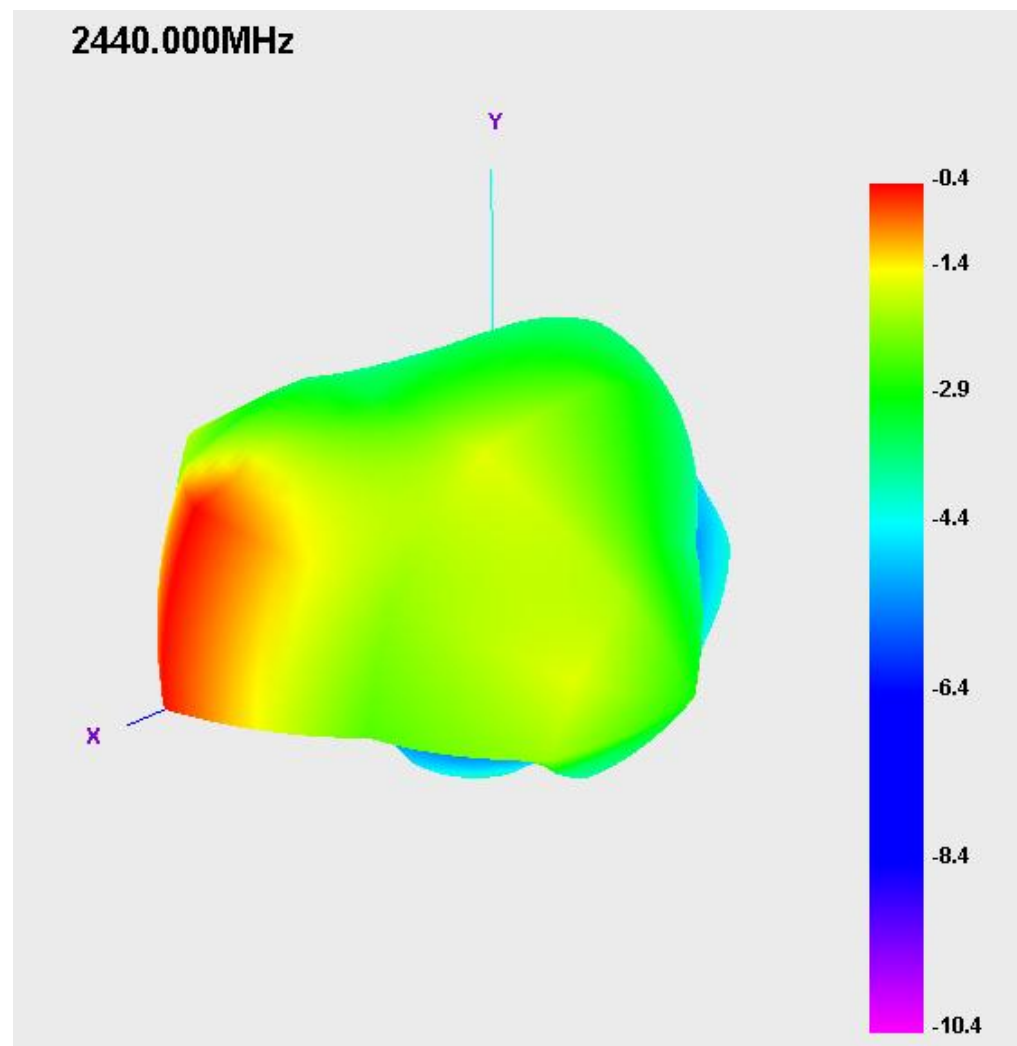
2480.000MHz



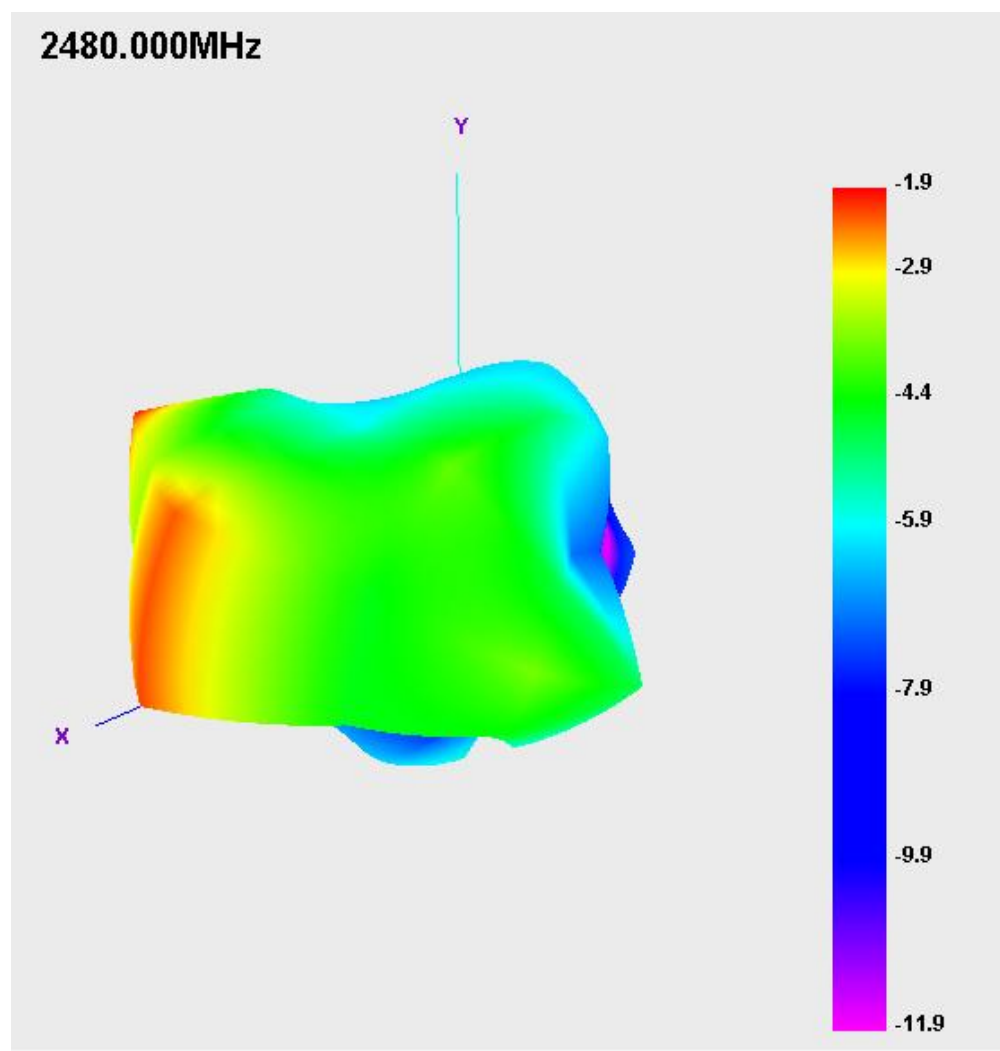
3D Radiation pattern f = 2410MHz



3D Radiation pattern $f = 2440\text{MHz}$



3D Radiation pattern $f = 2480\text{MHz}$



Measurements summary

Frequency(GHz)	Gain(dBi)	CP Gain(dBi)	CO Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-0.25	--	--	--	26.93
2410	-0.41	--	--	--	25.93
2420	-0.28	--	--	--	26.39
2430	-0.26	--	--	--	25.93
2440	-0.36	--	--	--	25.38
2450	-0.56	--	--	--	23.1
2460	-1.35	--	--	--	19.6
2470	-2.22	--	--	--	16.68
2480	-1.93	--	--	--	17.67
2490	-1.73	--	--	--	17.98
2500	-1.45	--	--	--	19.56