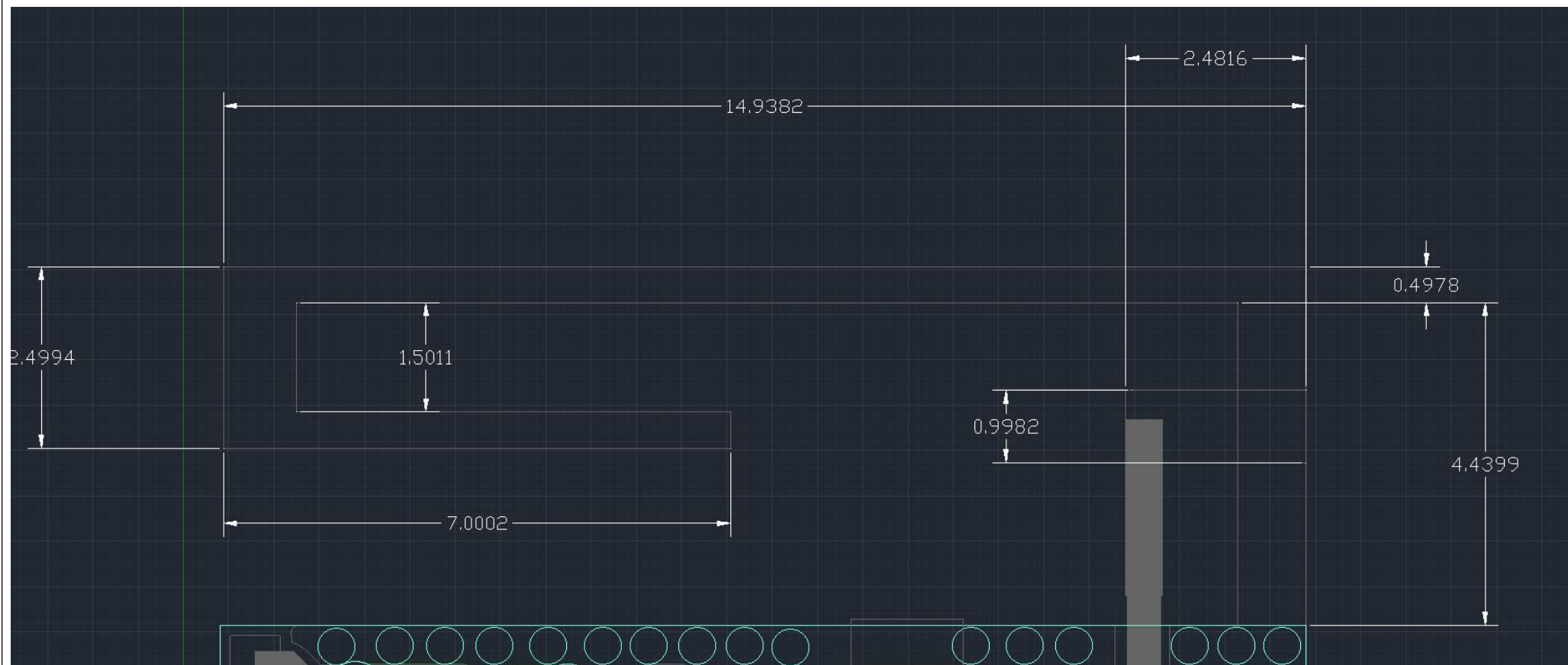


# Antenna Specification

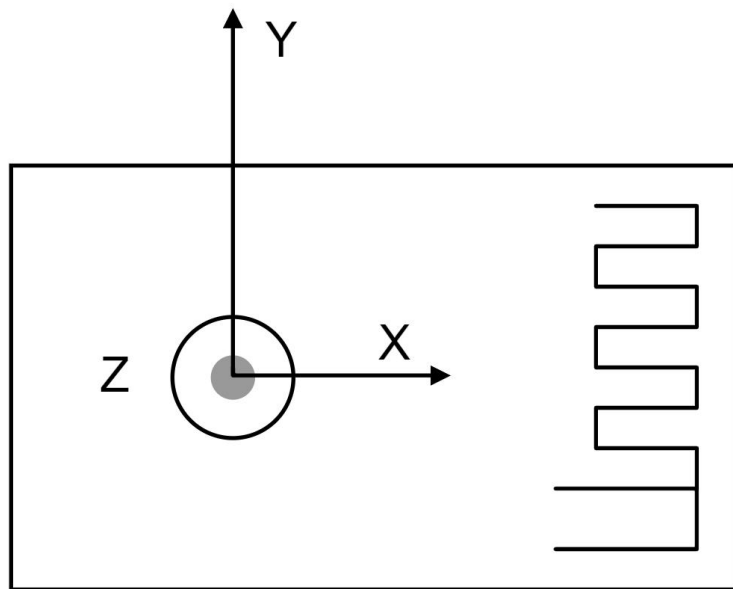
ITEM	SPEC
Antenna type	PCB Antenna(B)
Center Frequency	2400Mhz   1.43dBi 2450Mhz   2.59dBi 2500Mhz   2.64dBi
MAX GAIN	2.90dbi
Polarization	Horizontal
Azimuth Beam Pattern	Omni-directional
Impedance	50ohm
Antenna Length	

# Antenna Photo & Length(mm)

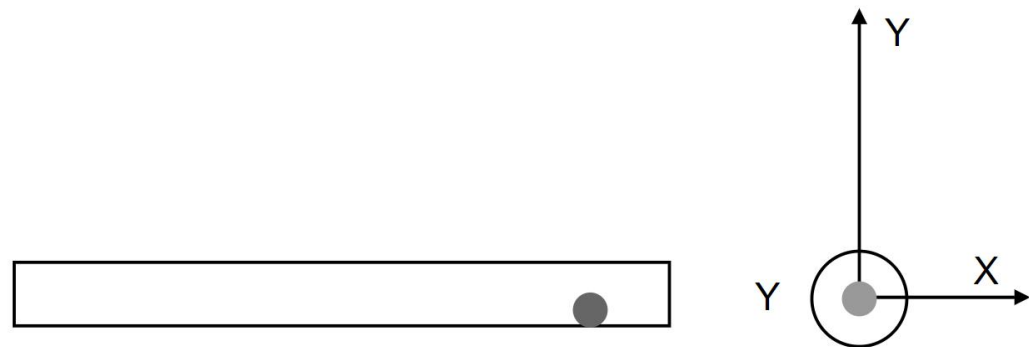


# Coordinate System Reference: Antenna

Top view



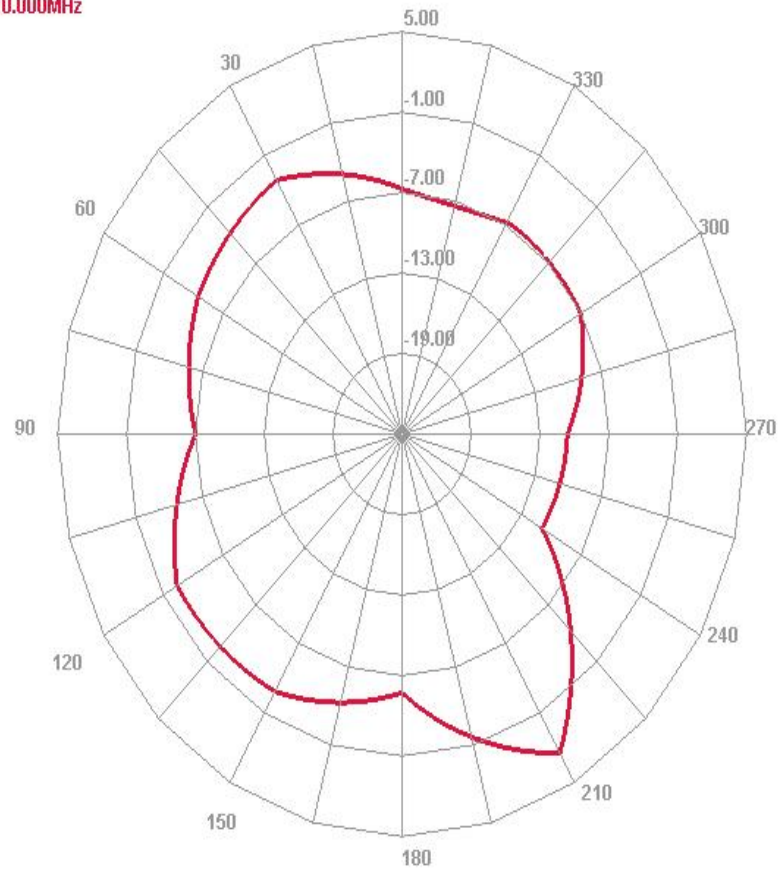
Side view



# 2D Radiation pattern f = 2410MHz

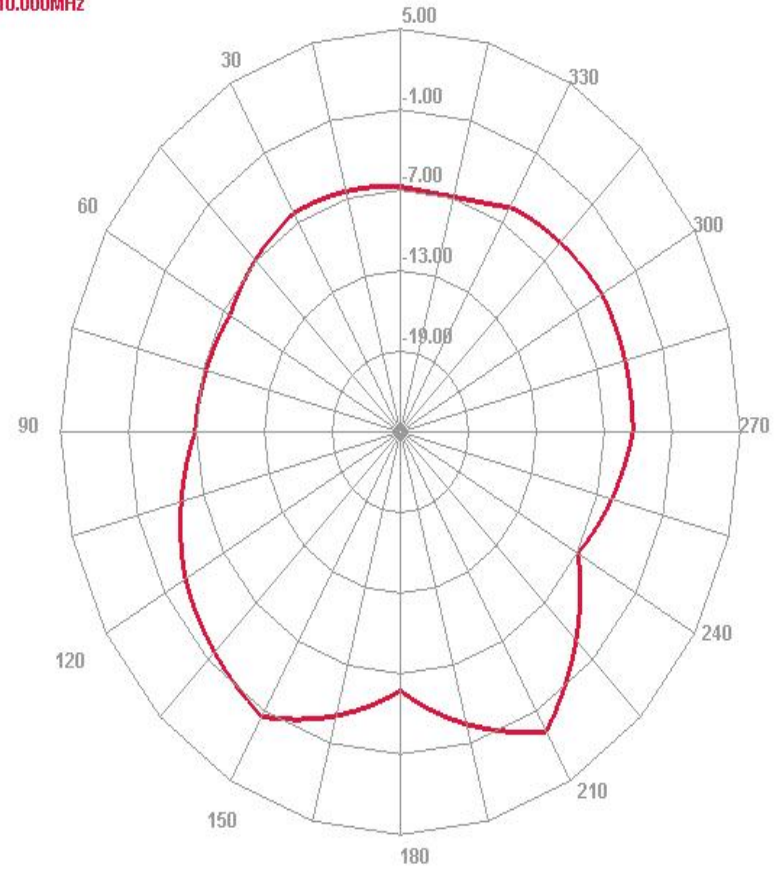
**E1 Face**

2410.000MHz



**E2 Face**

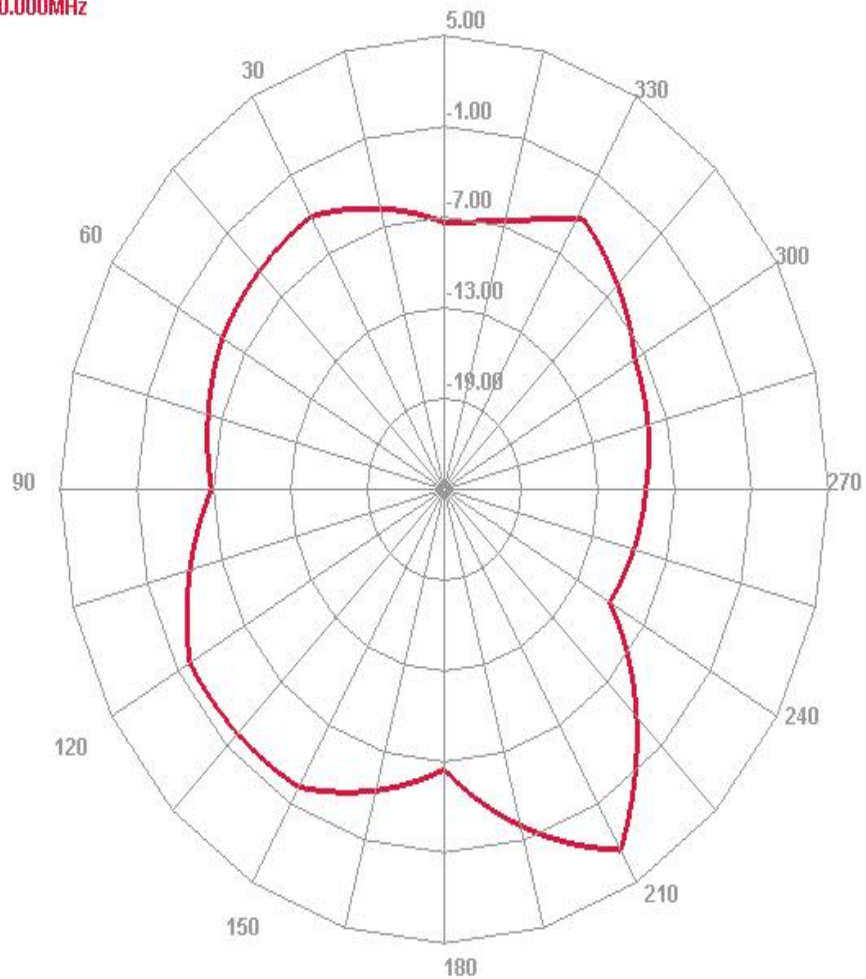
2410.000MHz



# 2D Radiation pattern f = 2440MHz

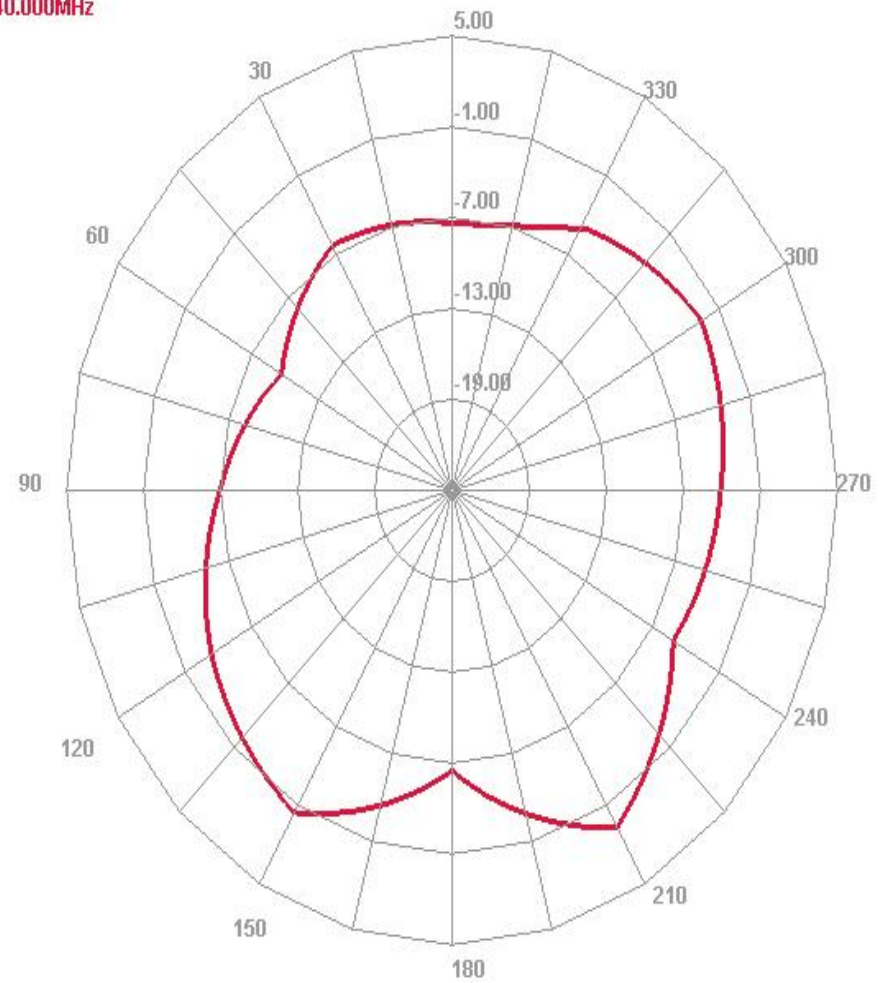
## E1 Face

2440.000MHz



## E2 Face

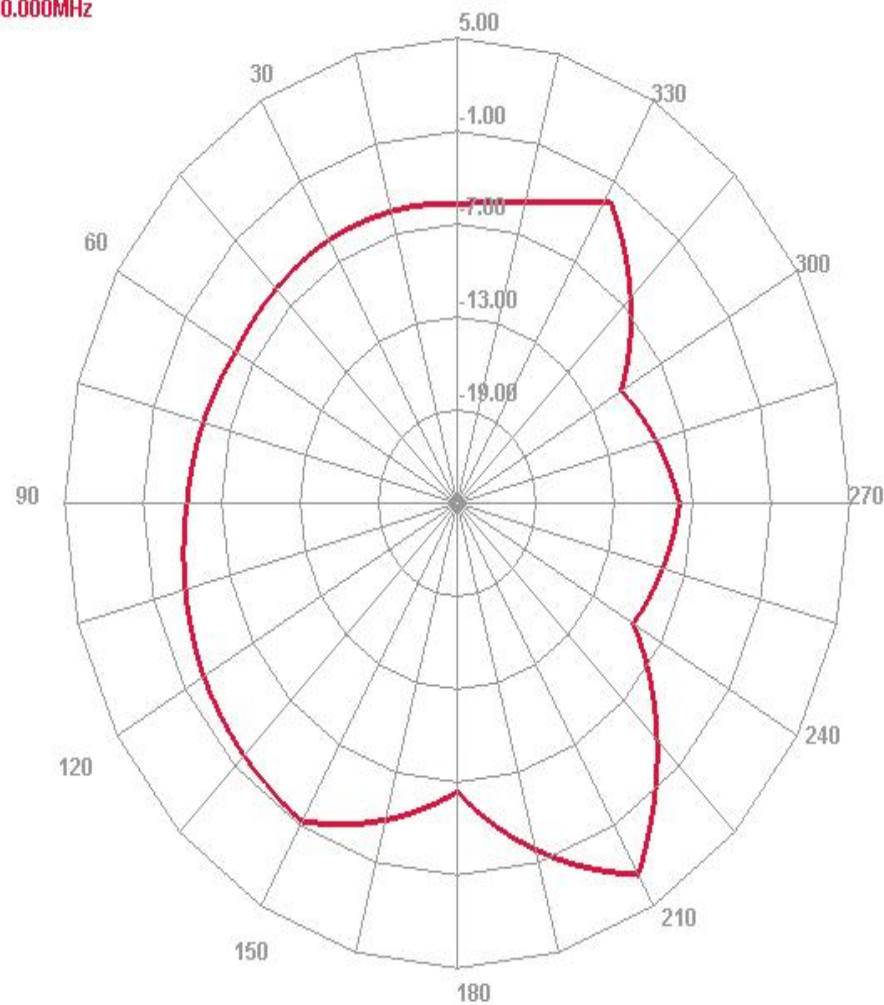
2440.000MHz



# 2D Radiation pattern f = 2480MHz

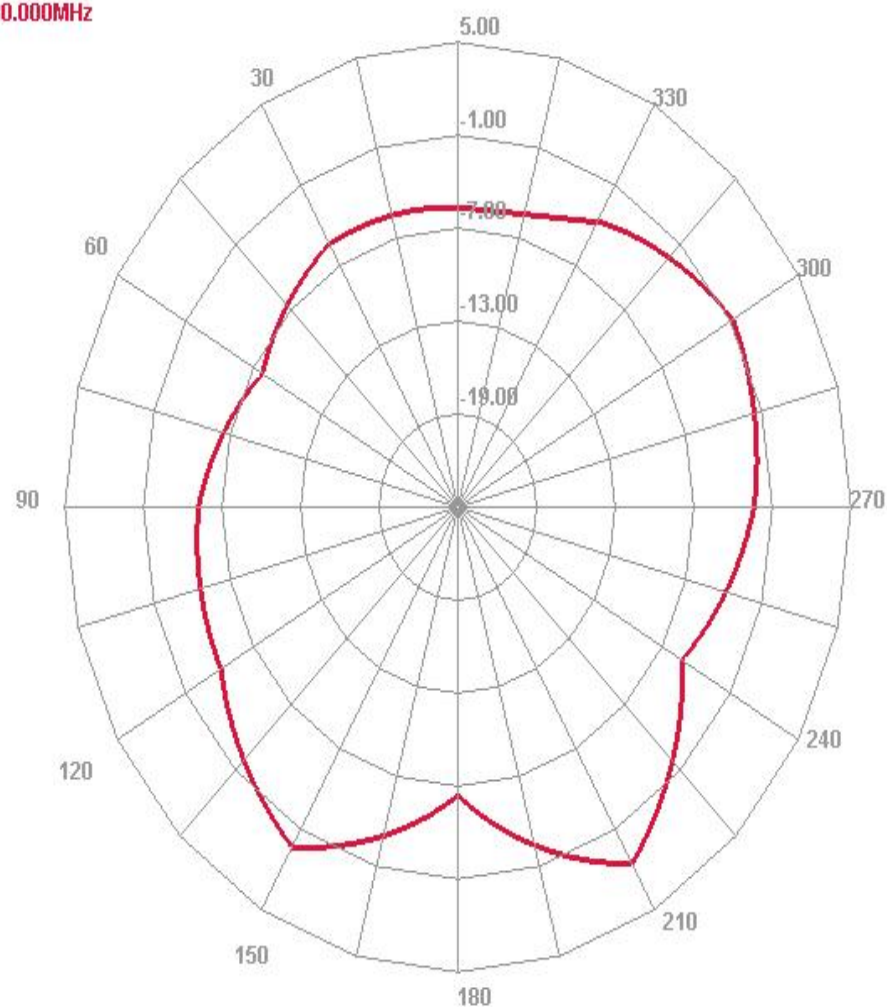
## E1 Face

2480.000MHz



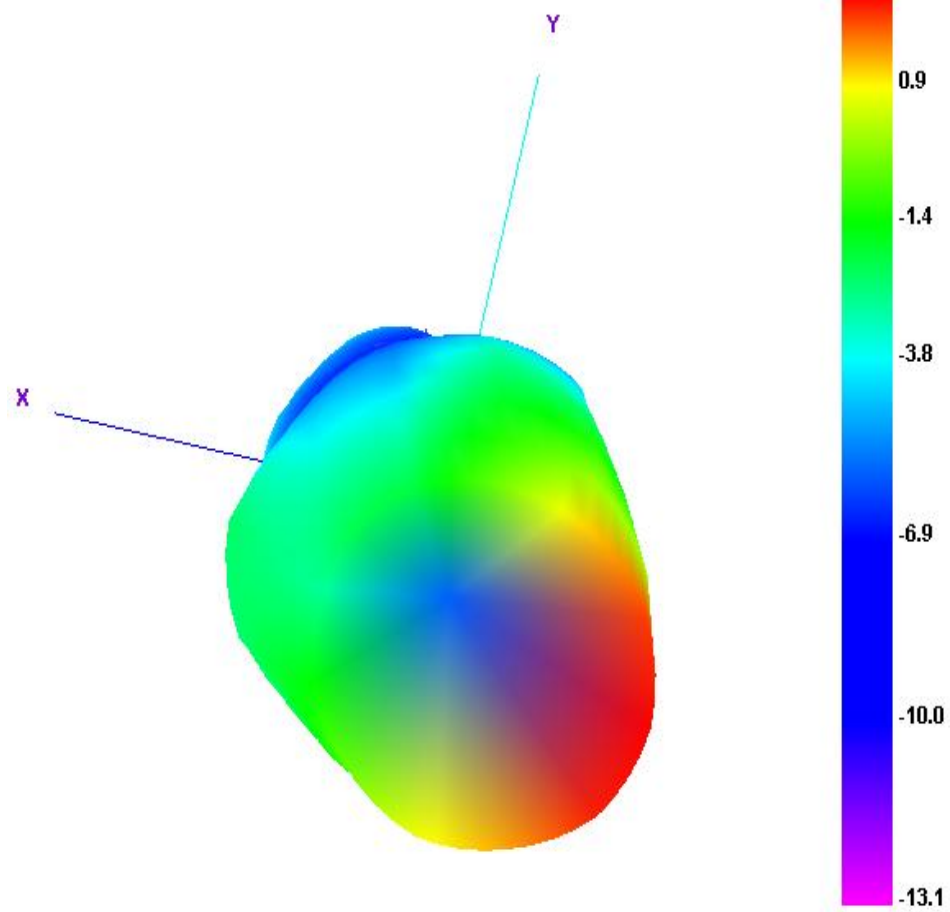
## E2 Face

2480.000MHz

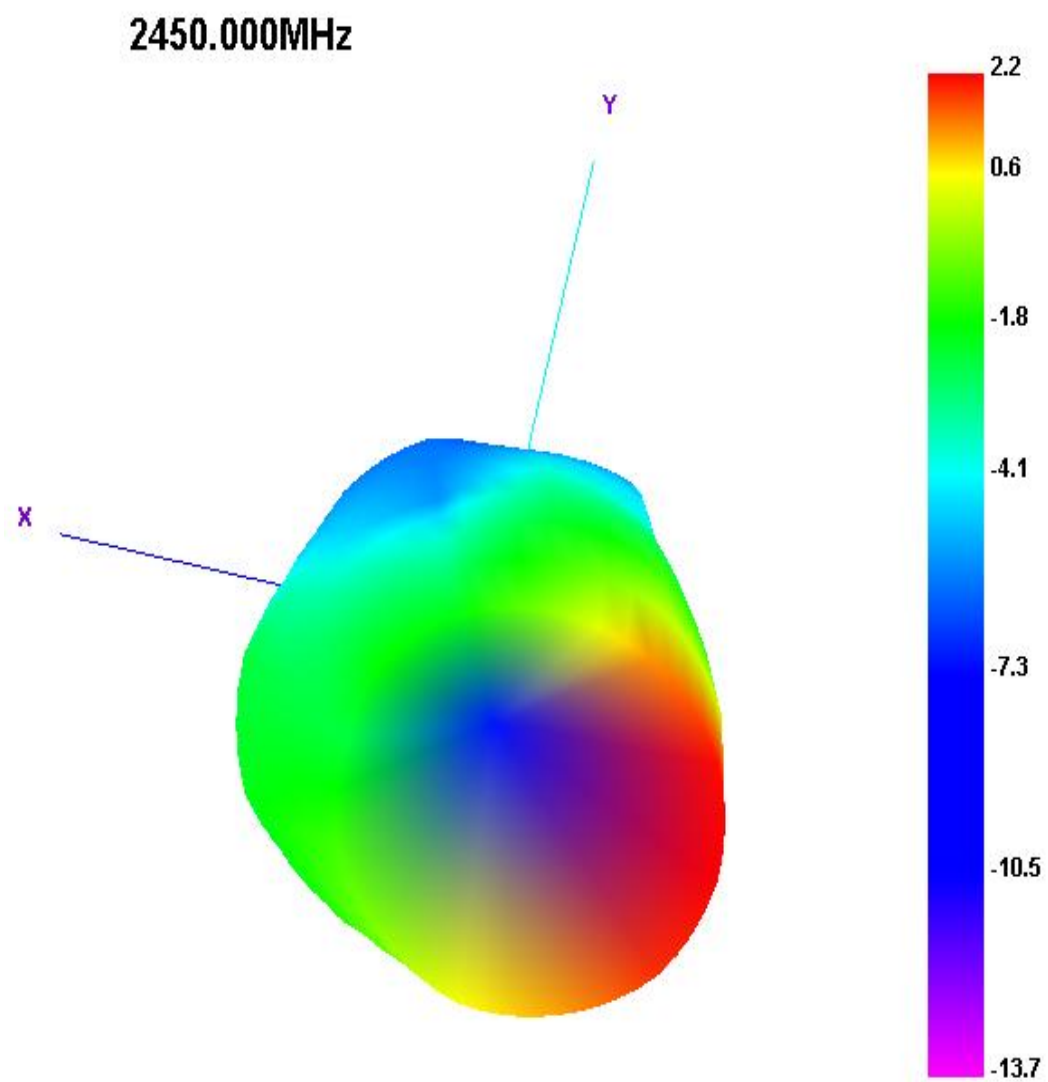


# 3D Radiation pattern f = 2410MHz

2410.000MHz



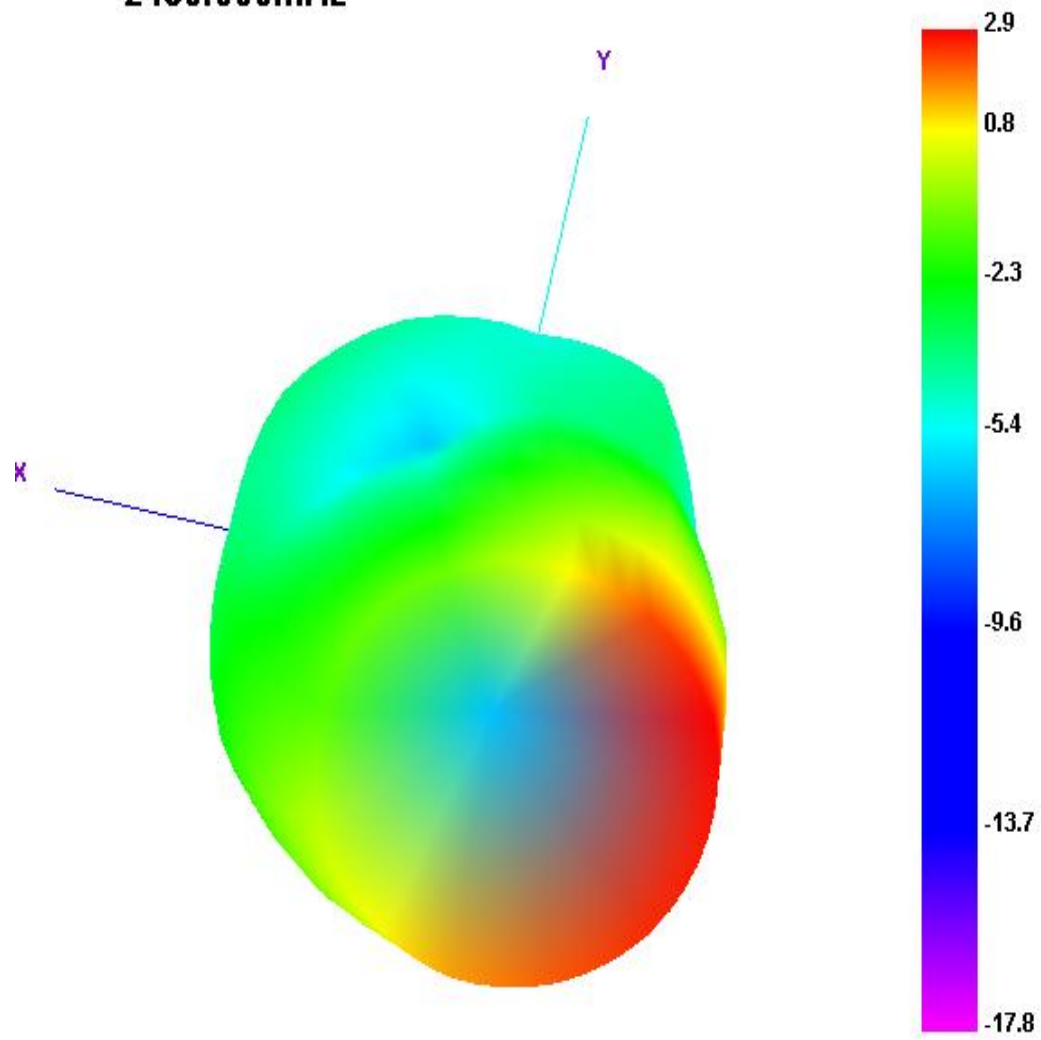
# 3D Radiation pattern $f = 2450\text{MHz}$





# 3D Radiation pattern f = 2480MHz

2480.000MHz



## Measurements summary

Frequency(GHz)	Gain(dBi)	CP Gain(dBi)	CO Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	1.43	--	--	--	32.67%
2410	2.15	--	--	--	35.24%
2420	2.27	--	--	--	37.66%
2430	2.45	--	--	--	40.2%
2440	2.38	--	--	--	41.71%
2450	2.59	--	--	--	43.25%
2460	2.70	--	--	--	40.98%
2470	2.81	--	--	--	42.14%
2480	2.90	--	--	--	44.5%
2490	2.57	--	--	--	43.22%
2500	2.64	--	--	--	42.92%

Wireless-Tag Technology Co., Ltd

801, Block A, Building 6, Shenzhen International Innovation Valley, Dashi Road, Xili Community, Xili Street, Nanshan District, Shenzhen