SPECIFICATION FOR APPROVAL

SUPPLIER： Postek Electronics Co., Ltd

PRODUCT MODEL： FYT-02-4

PRODUCT NAME：2.4&5.8G FPC Antenna

PRODUCT CODE：M01-0200960R0A

PREPARED BY ：	DATE ：
PengCheng.Gao	2023.09.08

ADDRESS：	TEL：
Wisdom Plaza, Block B, Tower 2, 18th Floor, Nanshan District, Shen Zhen	0755-83240988

POSTEK

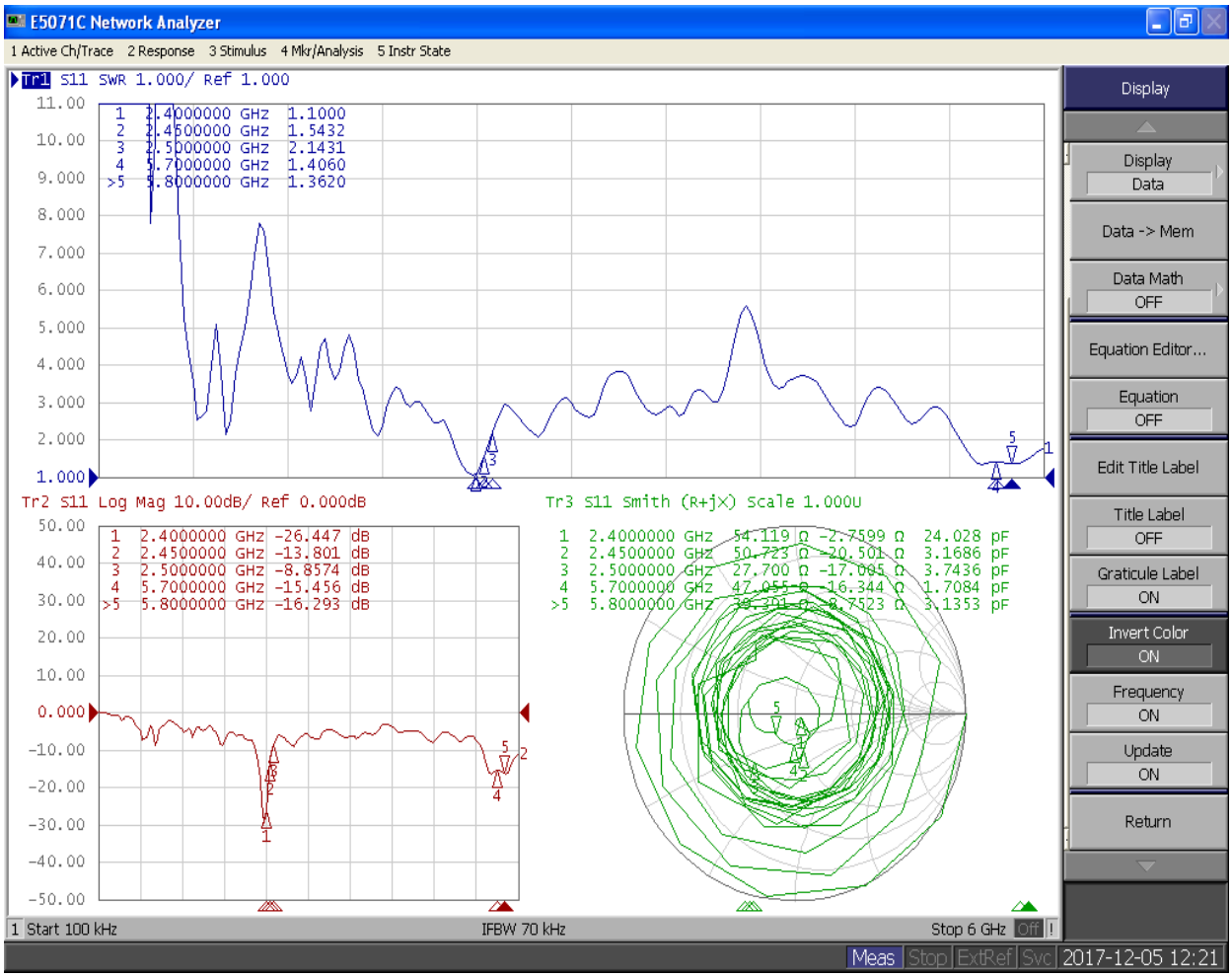
PERFORMANCE PARAMETER

1. Electrical Characteristics		
1	Frequency Range	2400-2500MHz;5100-5900MHz
2	V.S.W.R	<2.2
3	Gain	1.47dBi@2.4G 0.36dBi@5G
4	Efficiency	34.04%
5	Impendence	50Ω
6	Polarization	Linear
7	Interface type	Ipex
2. Mechanical parameters		
1	Measure	FPC:42*19.9mm/Cable: 550mm*Φ1.13mm
2	Colour	Black
3. Environment Condition		
1	Working Temp	-30℃~80℃

TESTING CURVE

1.Performance test

1.1 V.S.W.R



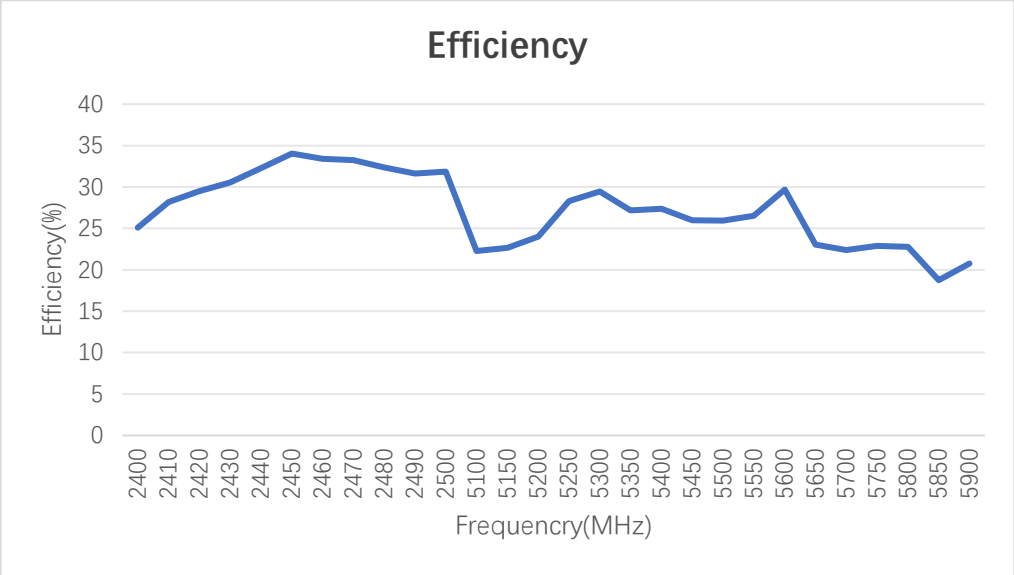
Data list

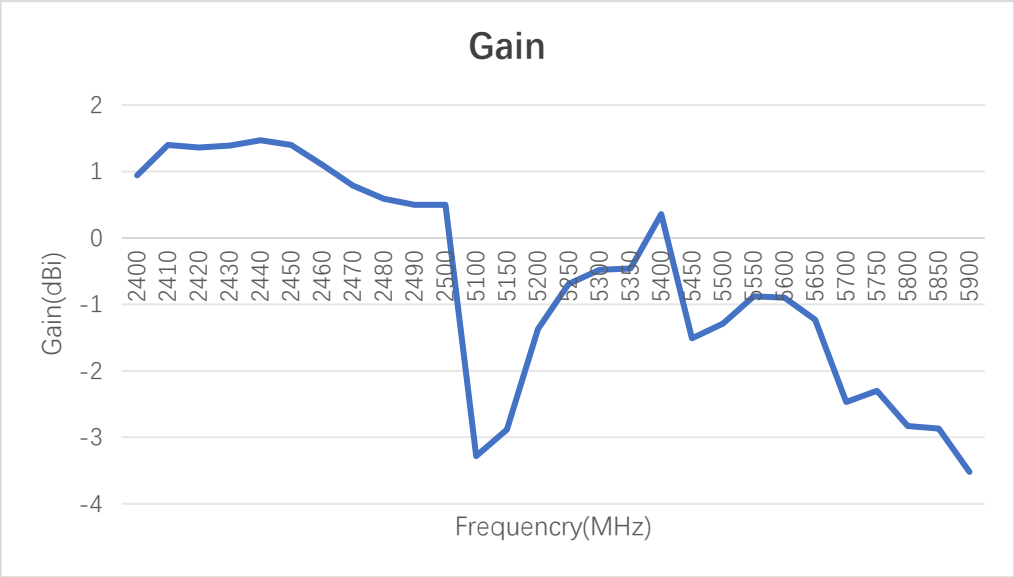
Freq	2.4	2.45	2.5	5.7	5.8
VSWR	1.1	1.5	2.1	1.4	1.4

TESTING CURVE

2. Passive testing

2.1 Efficiency and Gain





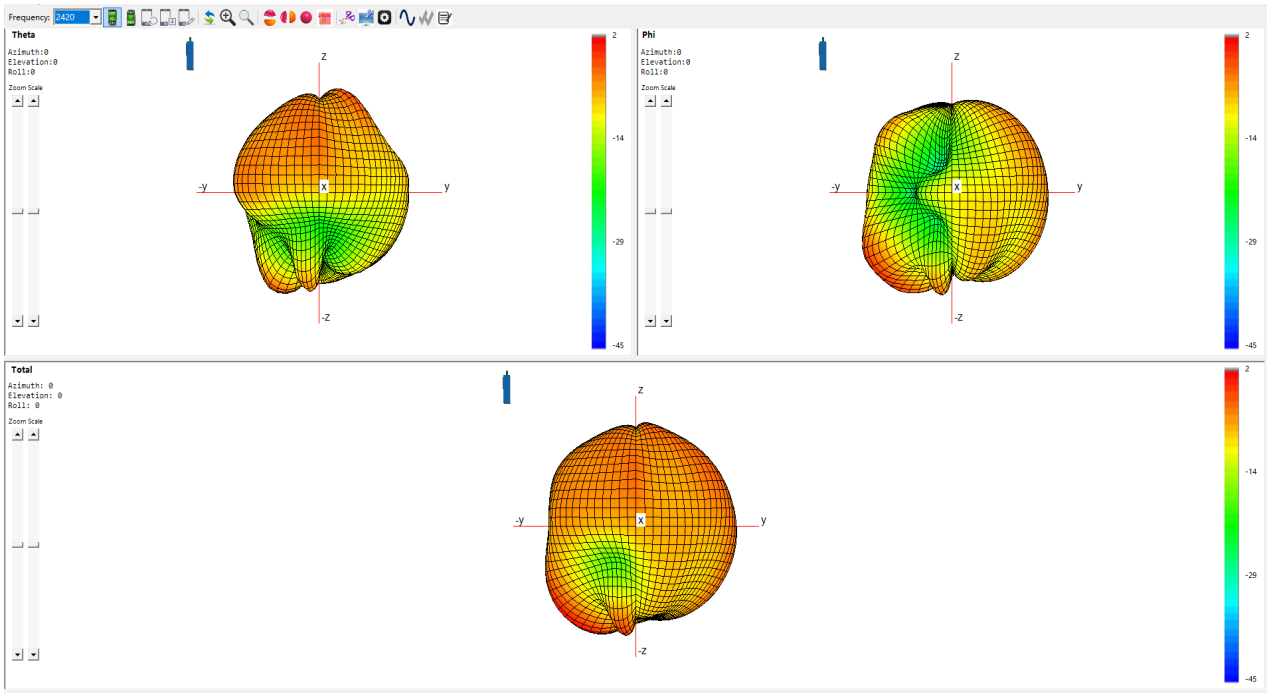
TESTING CURVE

Efficiency and Gain Data list

Freq(MHz)	Efficiency(%)	Gain (dBi)	Freq(MHz)	Efficiency(%)	Gain (dBi)
2400	25.10	0.94	5250	28.31	-0.69
2410	28.20	1.40	5300	29.46	-0.48
2420	29.48	1.36	5350	27.19	-0.46
2430	30.53	1.39	5400	27.36	0.36
2440	32.30	1.47	5450	26.00	-1.51
2450	34.04	1.40	5500	25.94	-1.29
2460	33.40	1.10	5550	26.52	-0.88
2470	33.23	0.79	5600	29.71	-0.90
2480	32.36	0.59	5650	23.05	-1.23
2490	31.63	0.50	5700	22.40	-2.47
2500	31.87	0.50	5750	22.90	-2.30
5100	22.26	-3.28	5800	22.79	-2.83
5150	22.67	-2.88	5850	18.75	-2.87
5200	24.01	-1.37	5900	20.75	-3.52

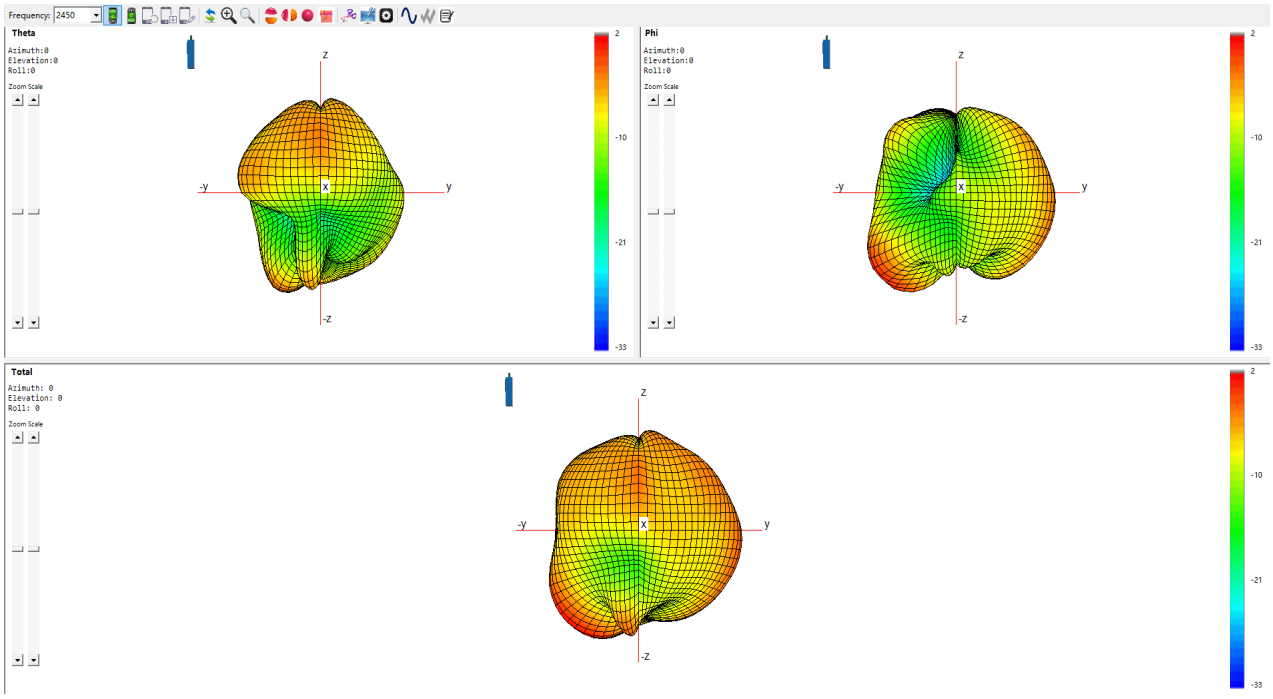
TESTING CURVE

2.2 3D Map



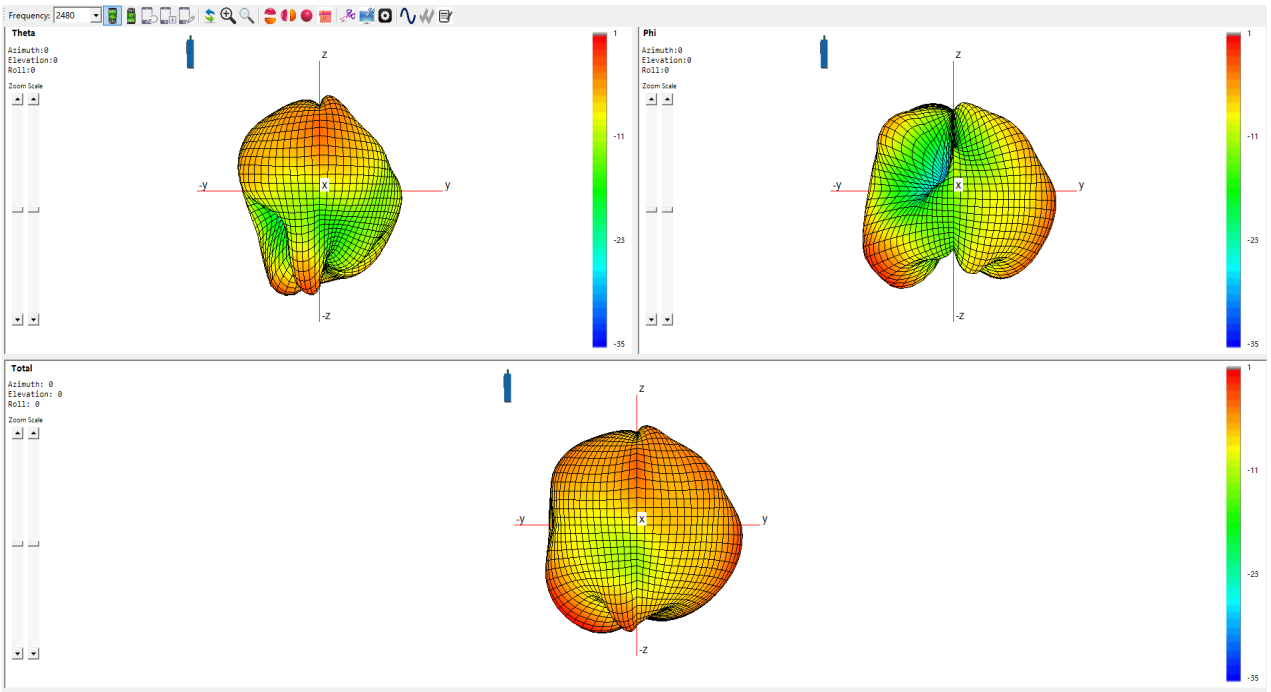
2420MHz

Gain=1.36dBi



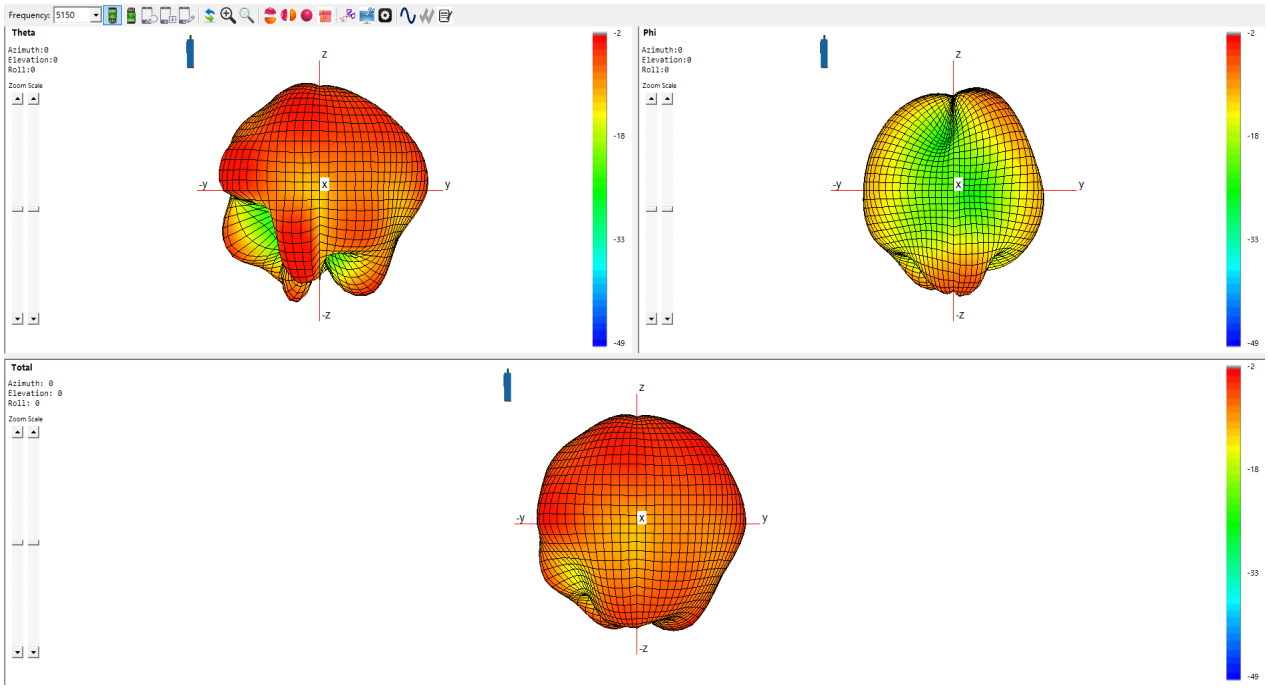
2450MHz

Gain=1.40dBi



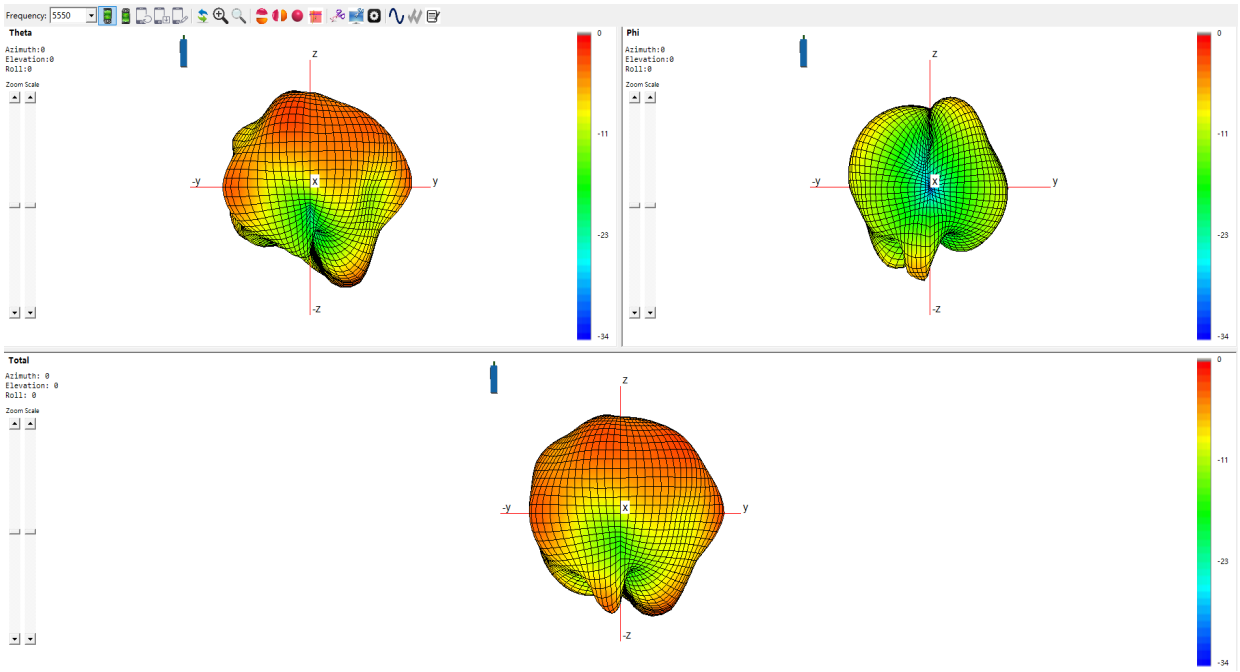
2480MHz

Gain=0.59dBi



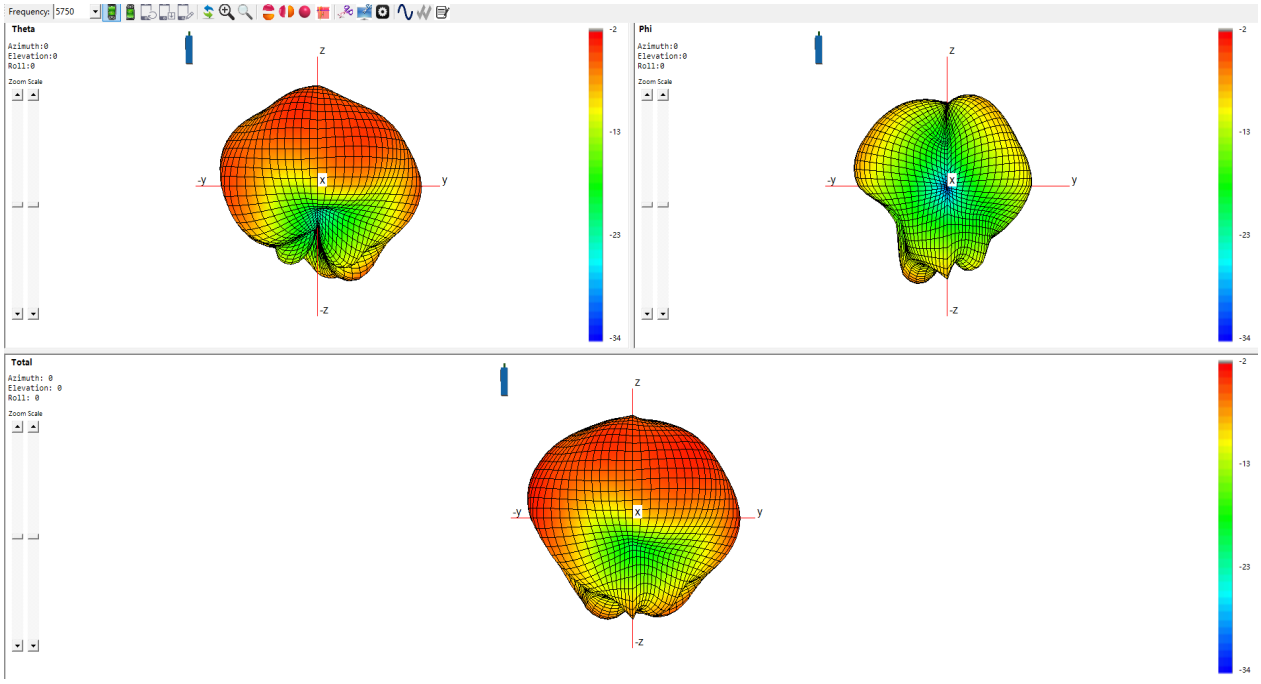
5150MHz

Gain=-2.88dBi



5550MHz

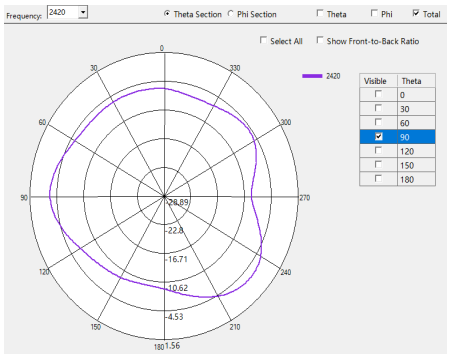
Gain=-0.88dBi

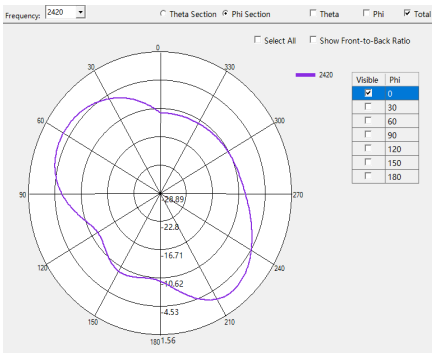


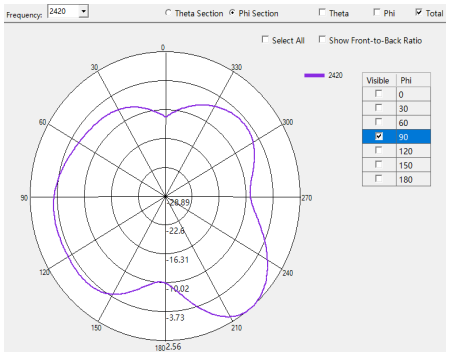
5750MHz

Gain=-2.30dBi

2.3 2D Figure

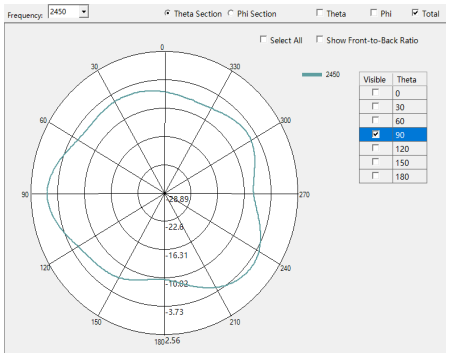


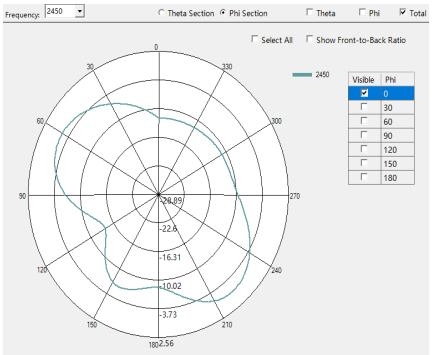


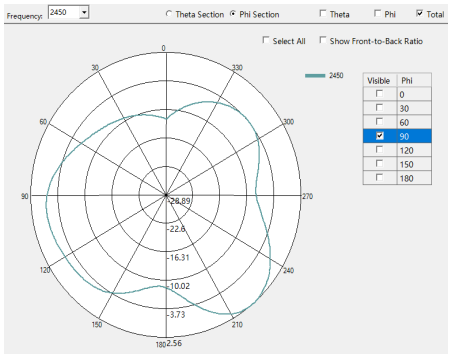


2420MHz

Gain=1.36dBi

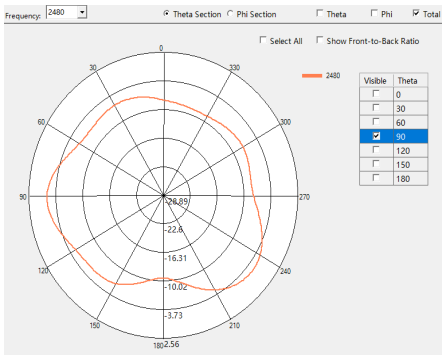


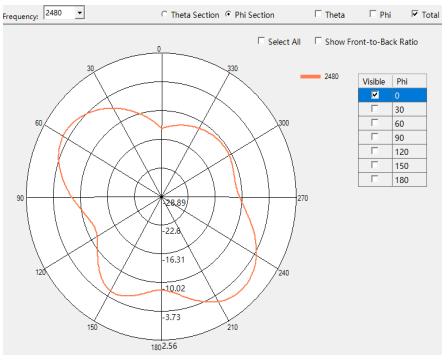


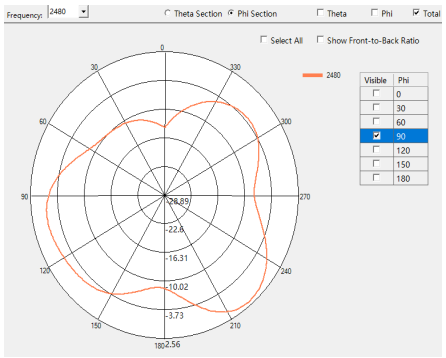


2450MHz

Gain=1.40dBi

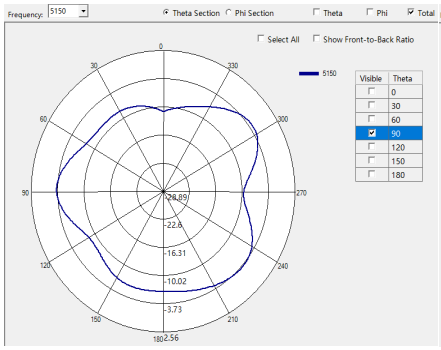


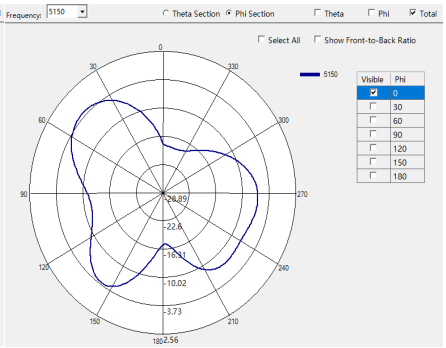


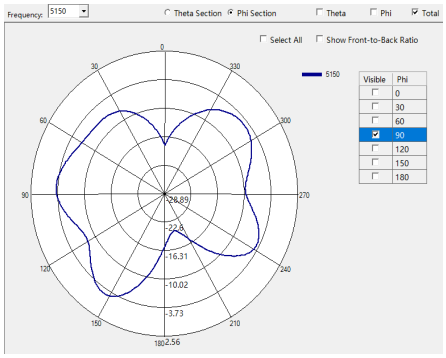


2480MHz

Gain=0.59dBi

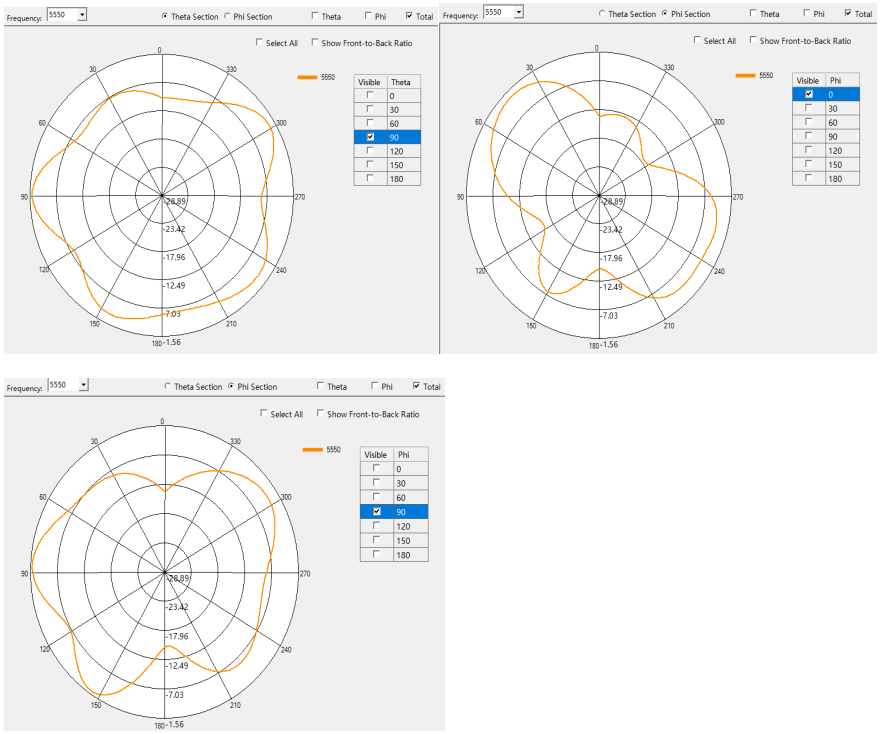






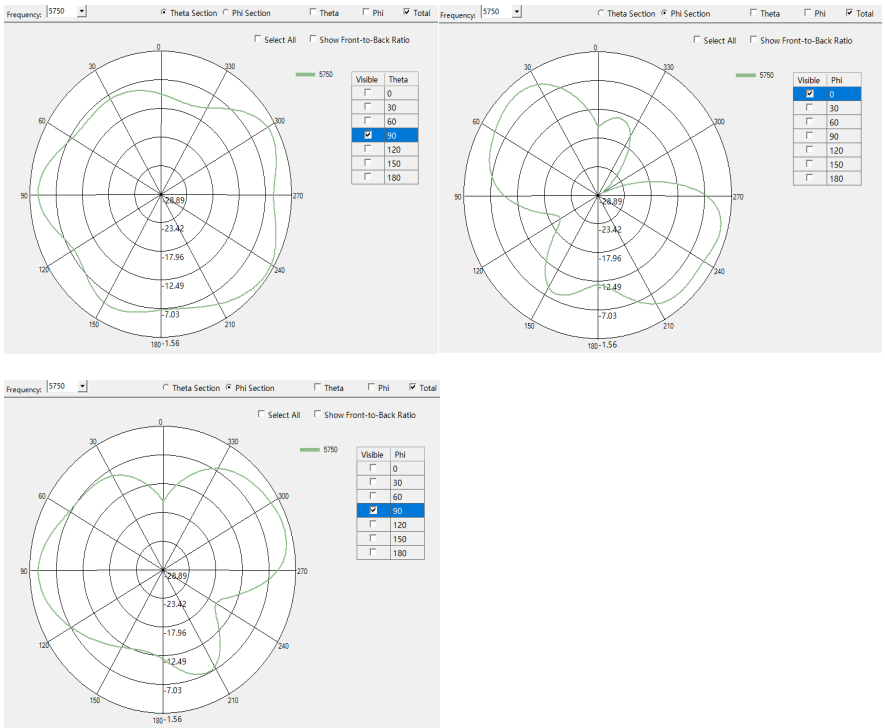
5150MHz

Gain=-2.88dBi

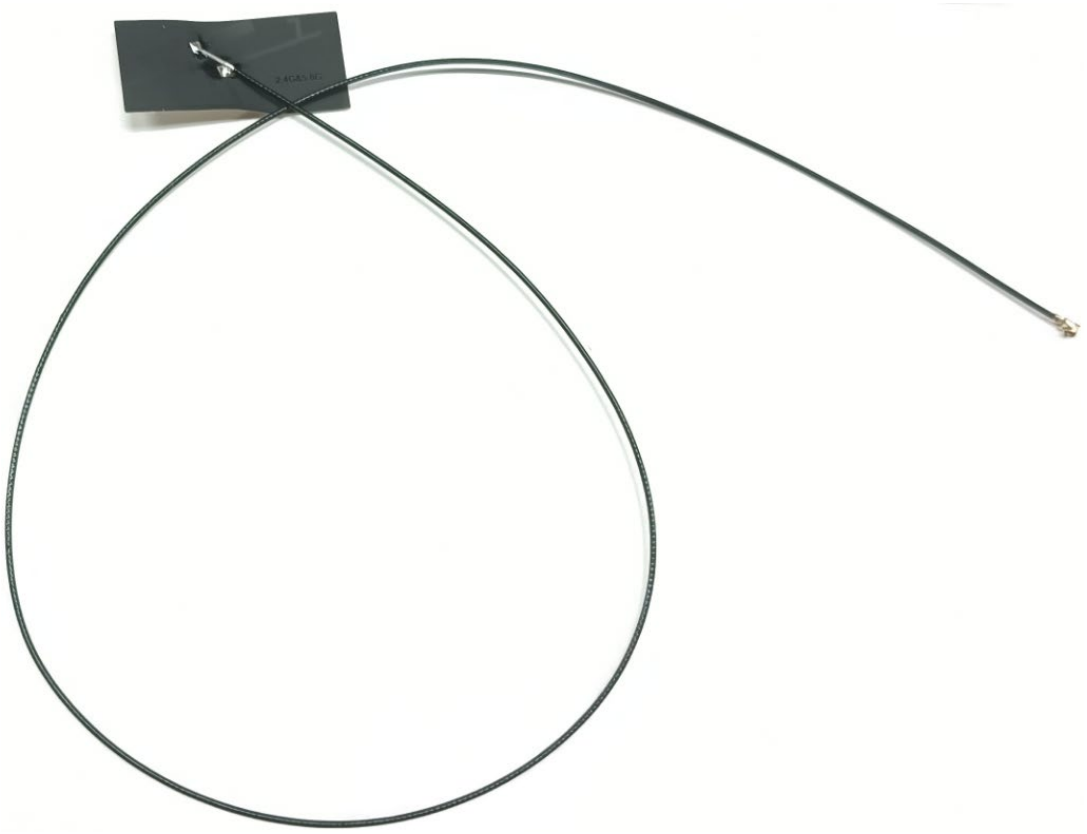
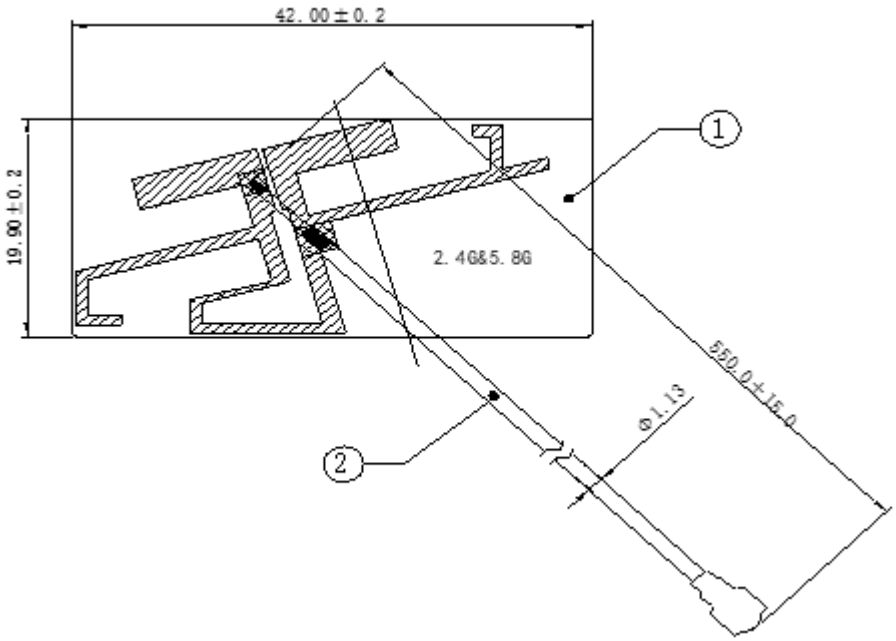


5550MHz

Gain=-0.88dBi



5750MHz

Gain=-2.30dBi

ANTENNA PHYSICAL DIAGRAM