

# Antenna Report

**Manufacturer:** Zhejiang Haitong communication electronic Limited by Share Ltd

Shanghai branch

**Address:** Ground floor, C5 building, Kangqiao business oasis, No.2555 Xiu Pu

Road, Pudong New Area, Shanghai.

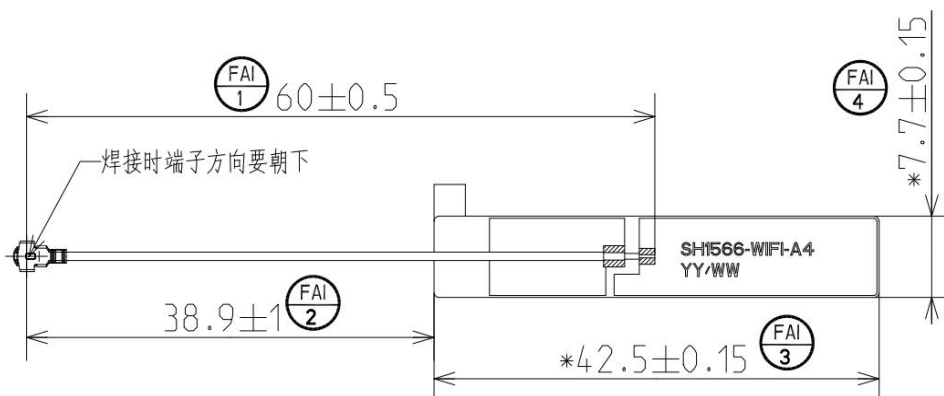
**Model Name:** SH1566-WIFI-A4-YY/WW

## Frequency Range of operation:

- Wi-Fi: 2.4 to 2.48 GHz and 5.15 to 5.85 GHz
- Bluetooth (2.4 GHz): 2.4 to 2.48 GHz

## Antenna Types:

- FPC



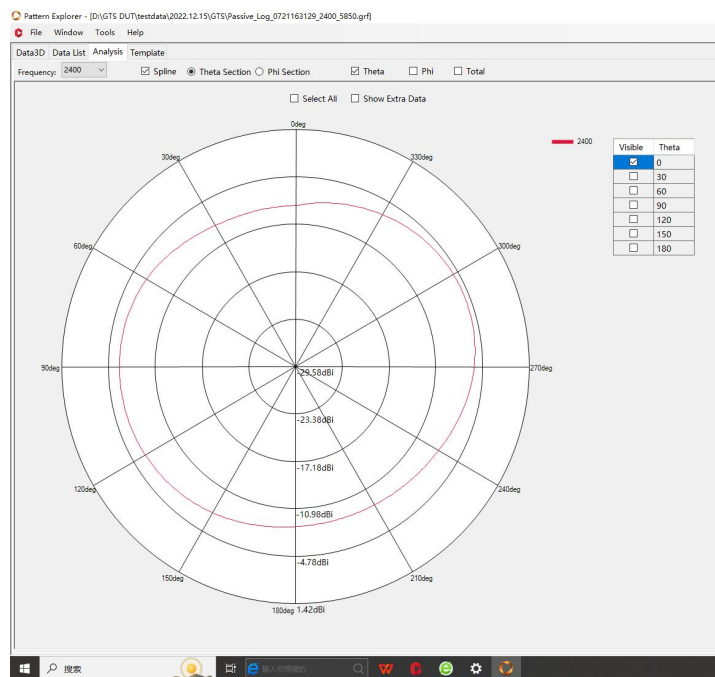
(Sample schematic diagram, for reference only, subject to the final antenna)

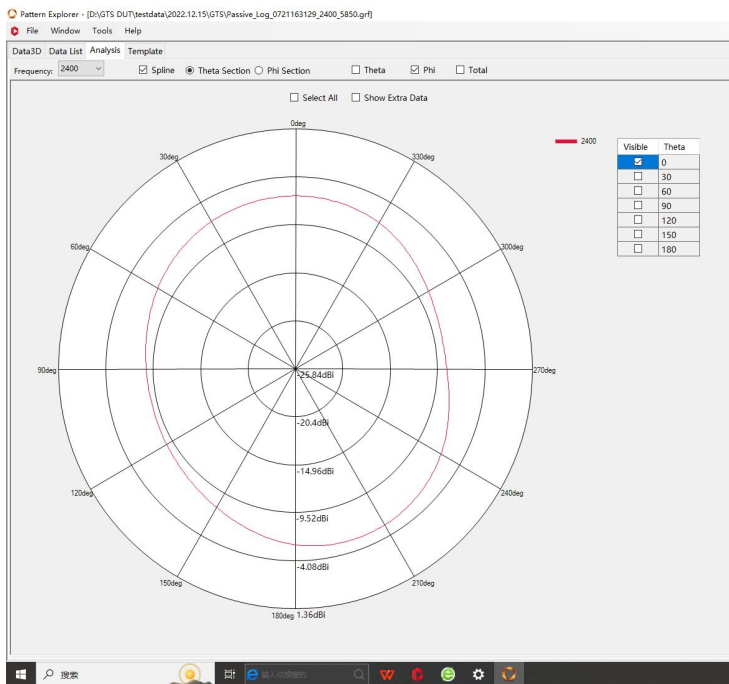
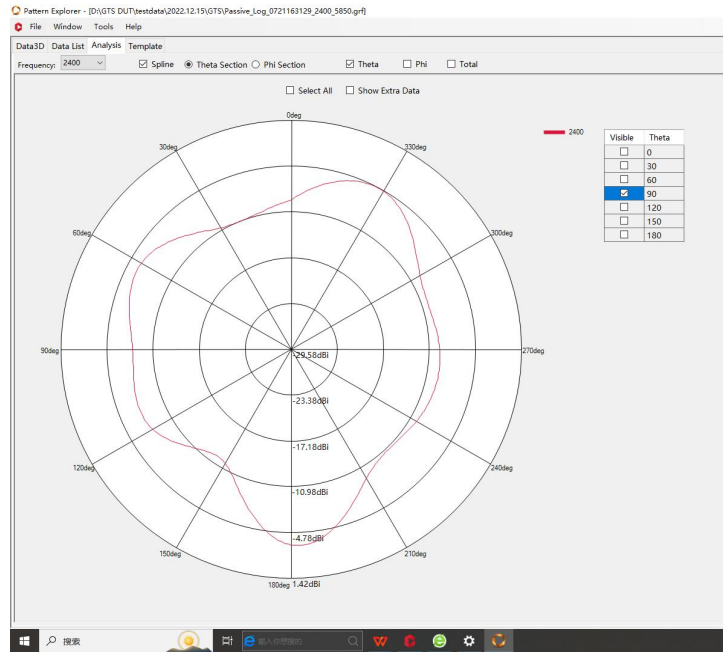
## Antenna passive gain and efficiency:

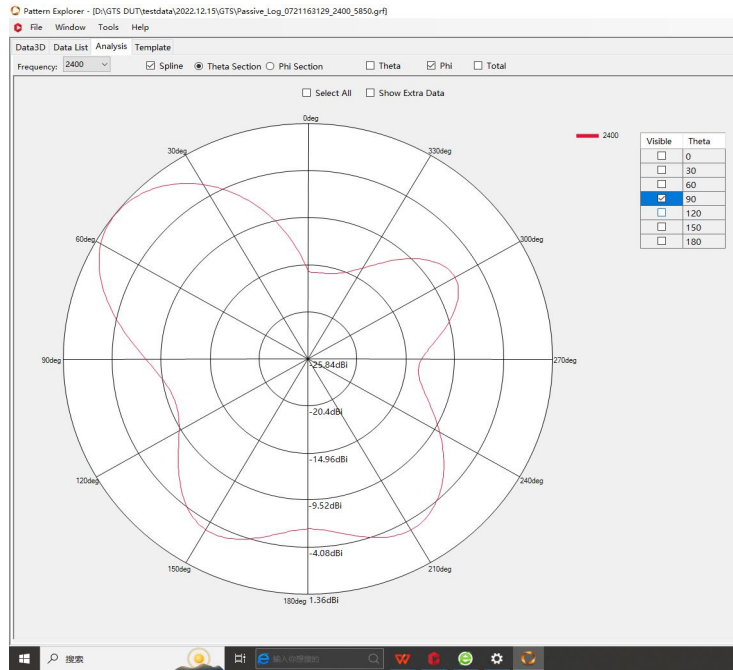
Freq(MHz)	Efficiency_dB	Gain	Efficiency(%)
2400	-3.42	2.3	45%
2410	-3.48	2.32	45%
2420	-3.43	2.44	45%
2430	-3.35	2.49	46%
2440	-3.24	2.55	47%
2450	-3.21	2.5	48%
2460	-3.21	2.42	48%
2470	-3.11	2.43	49%
2480	-3.11	2.38	49%
2490	-3.08	2.39	49%
2500	-3.03	2.46	50%
5150	-3.52	4.96	44%
5200	-3.12	5.44	49%
5250	-3.01	5.6	50%
5300	-2.89	5.78	51%
5350	-2.81	5.86	52%
5400	-2.75	5.89	53%
5450	-2.6	6.07	55%
5500	-2.94	5.75	51%
5550	-2.9	5.75	51%
5600	-3.15	5.28	48%
5650	-3.44	4.76	45%
5700	-3.55	4.26	44%
5750	-3.52	3.51	44%
5800	-3.53	3.38	44%
5850	-3.74	3.07	42%

## 2D diagram of antenna radiation——2.4G

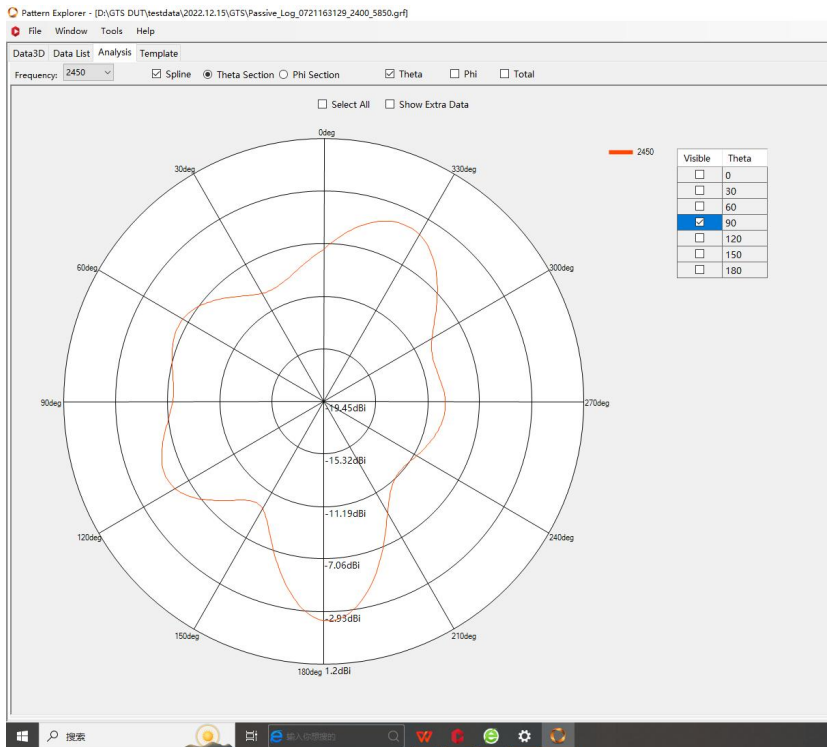
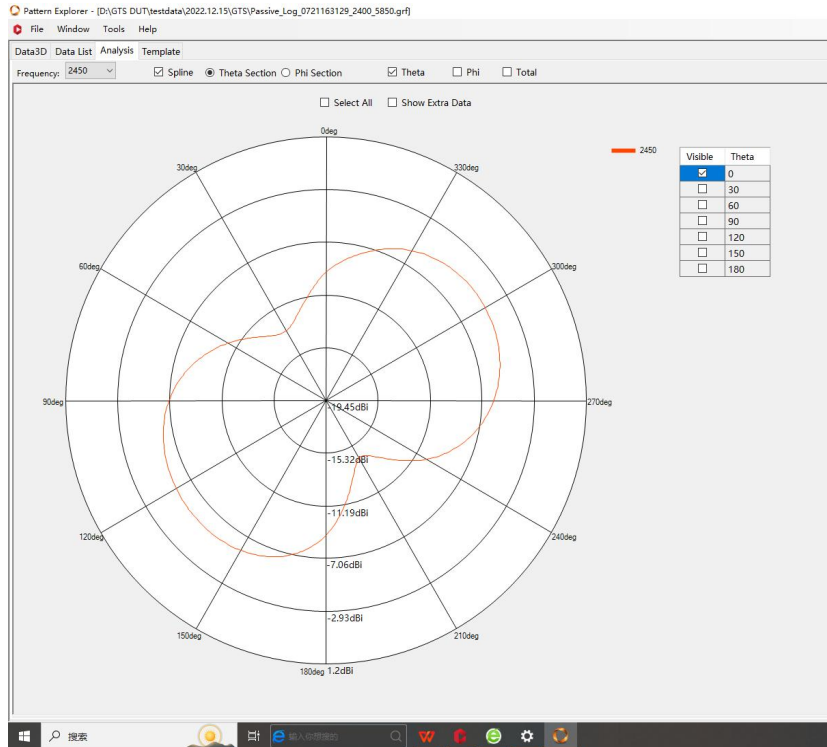
2.4GHz:

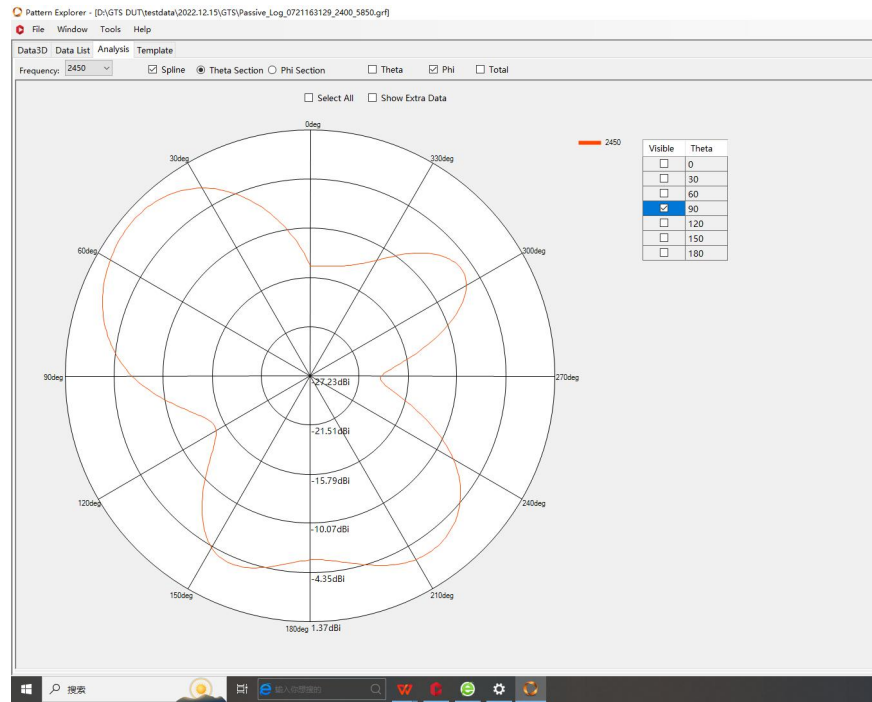
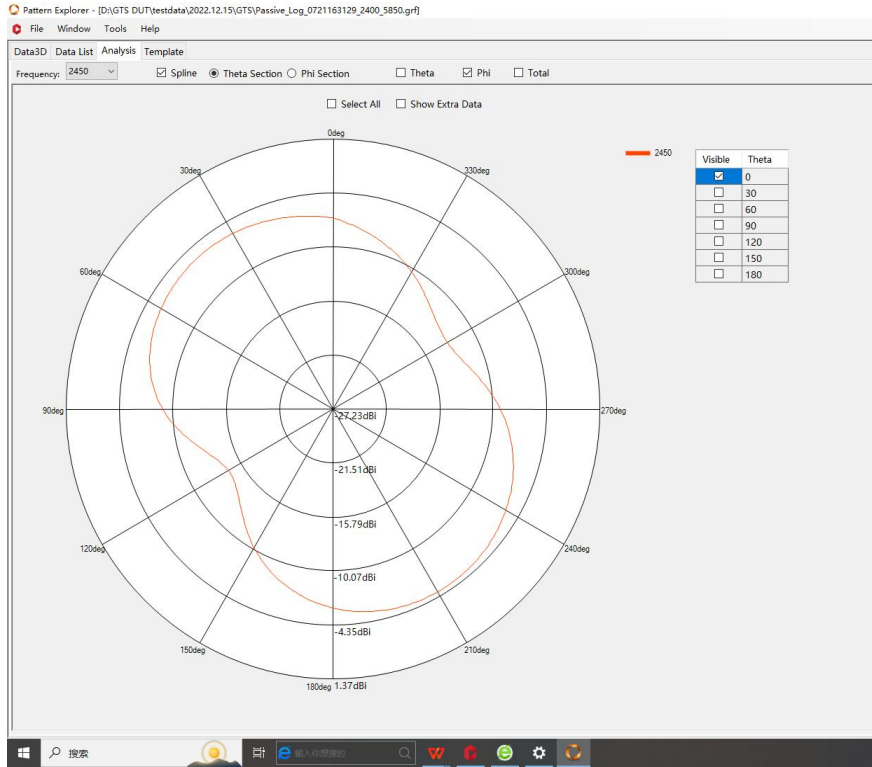




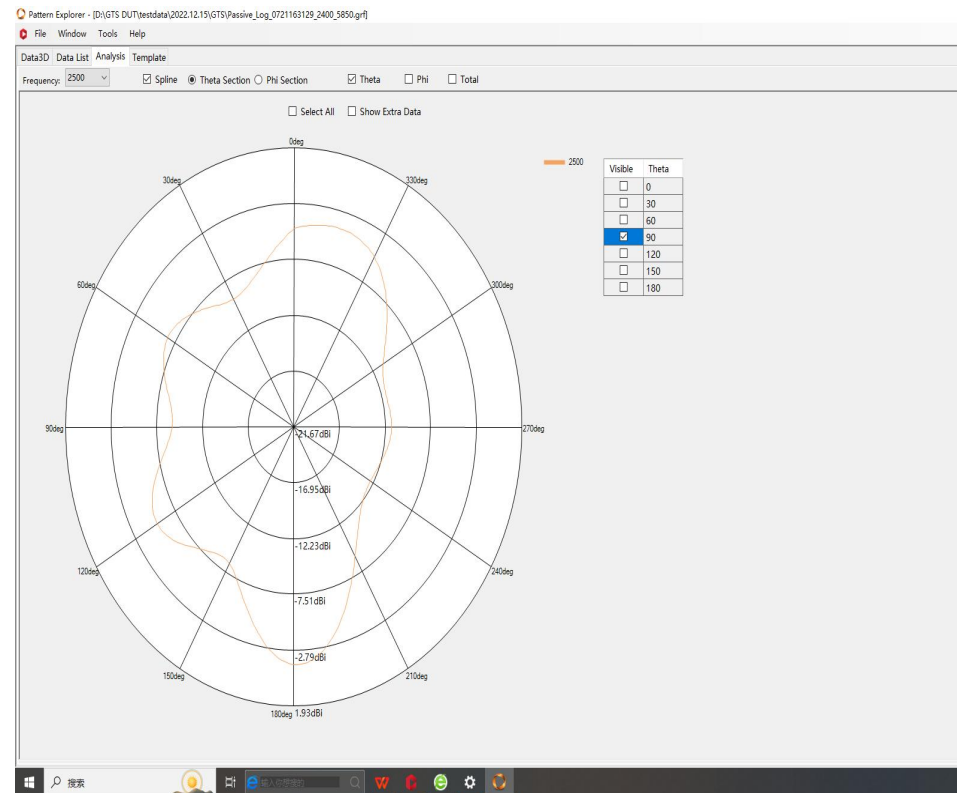
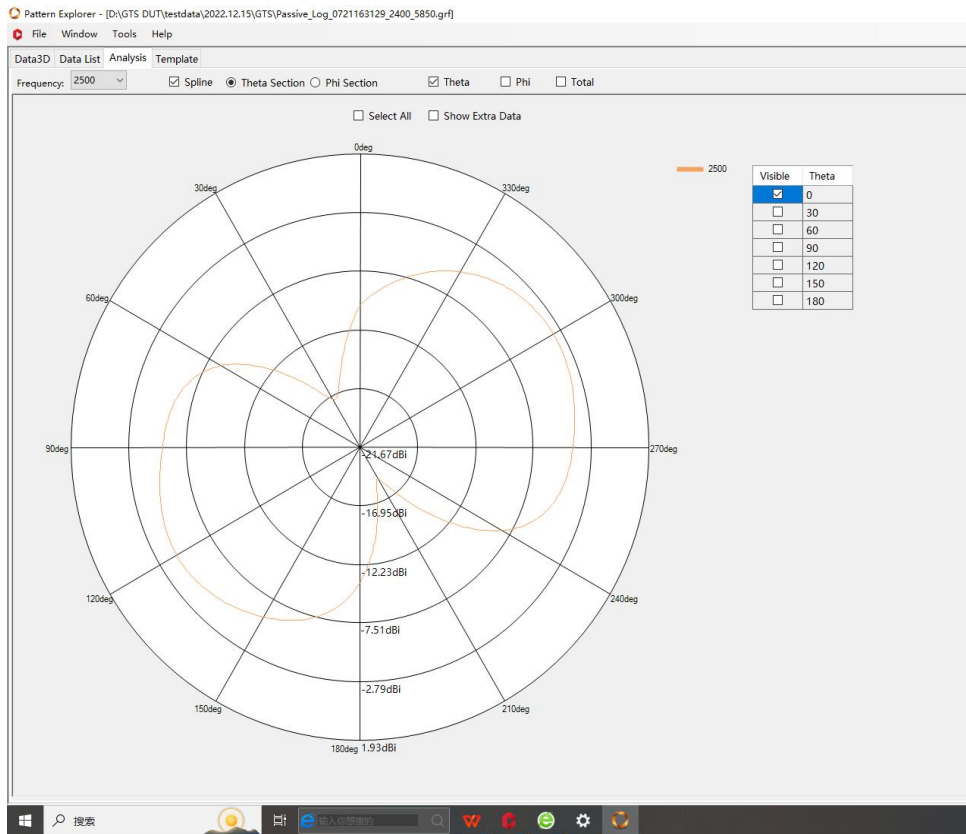


2.45GHz:

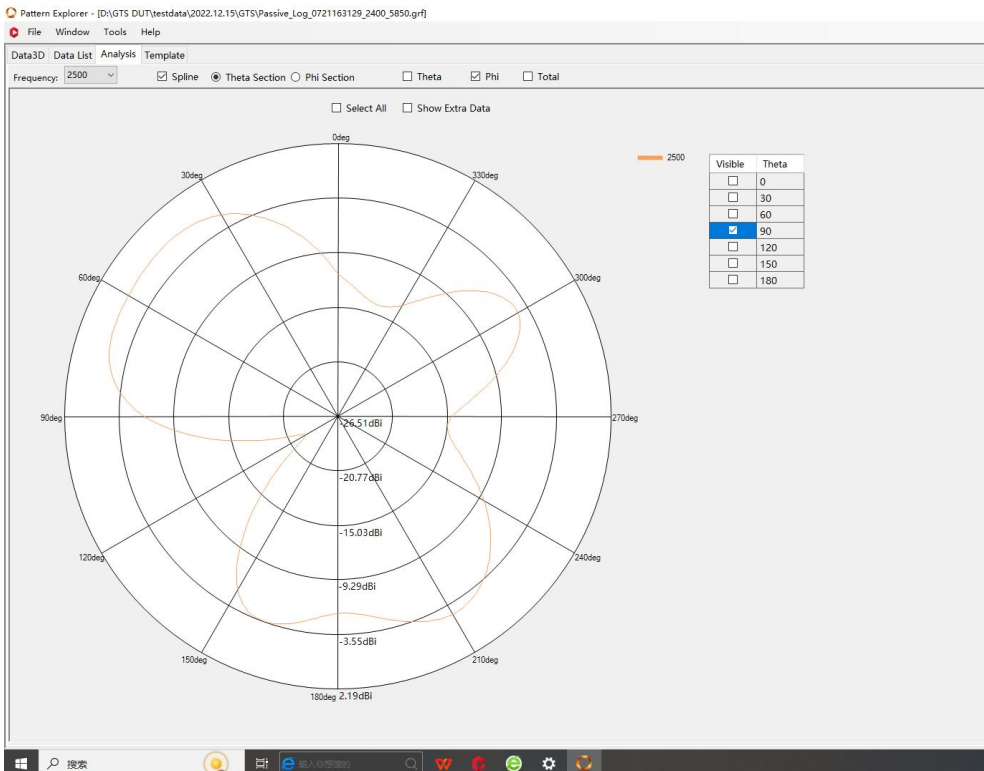
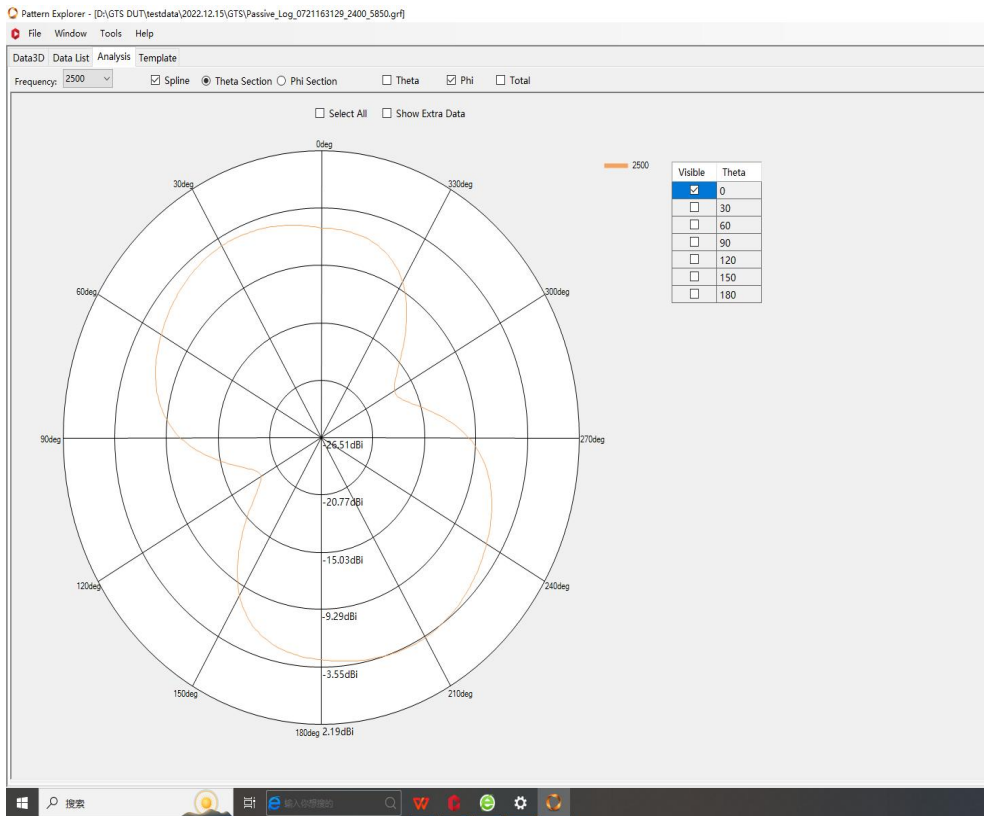




## 2.5GHz:

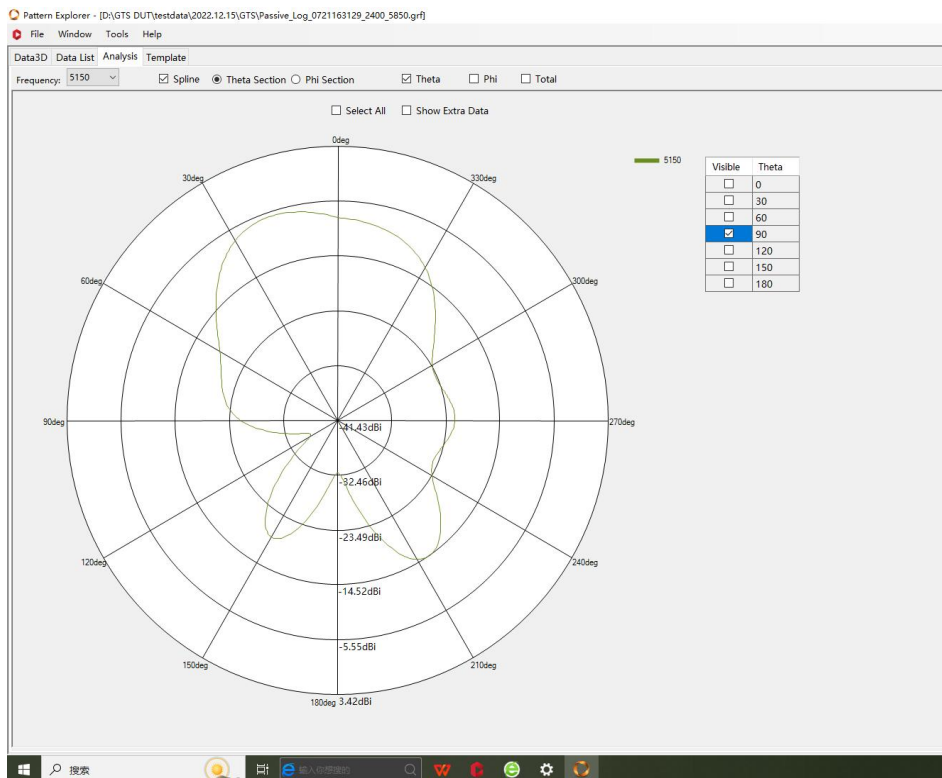
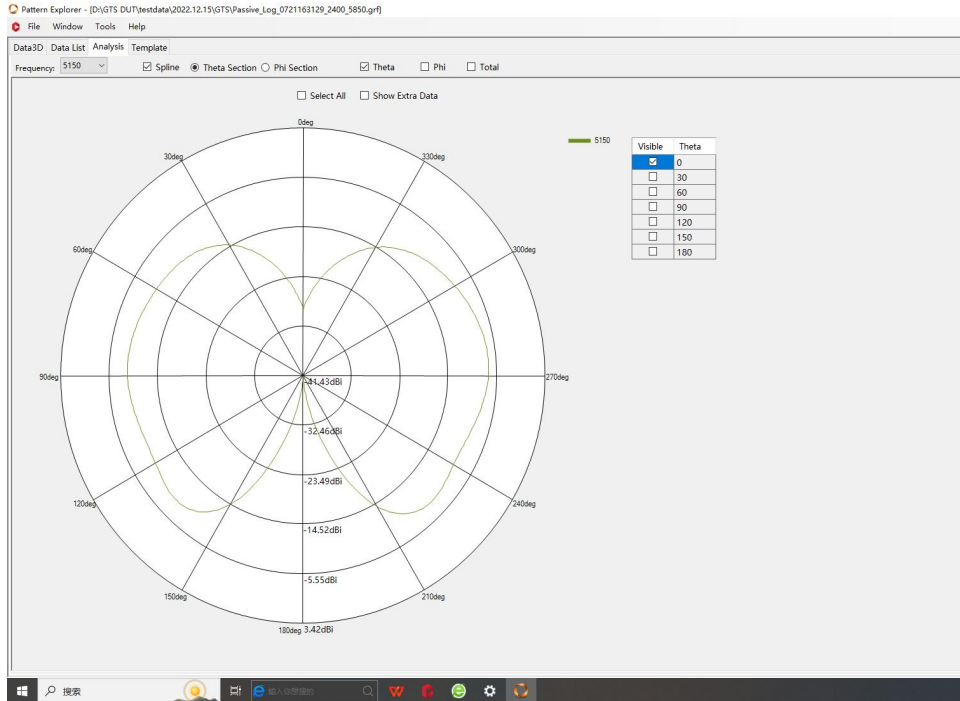


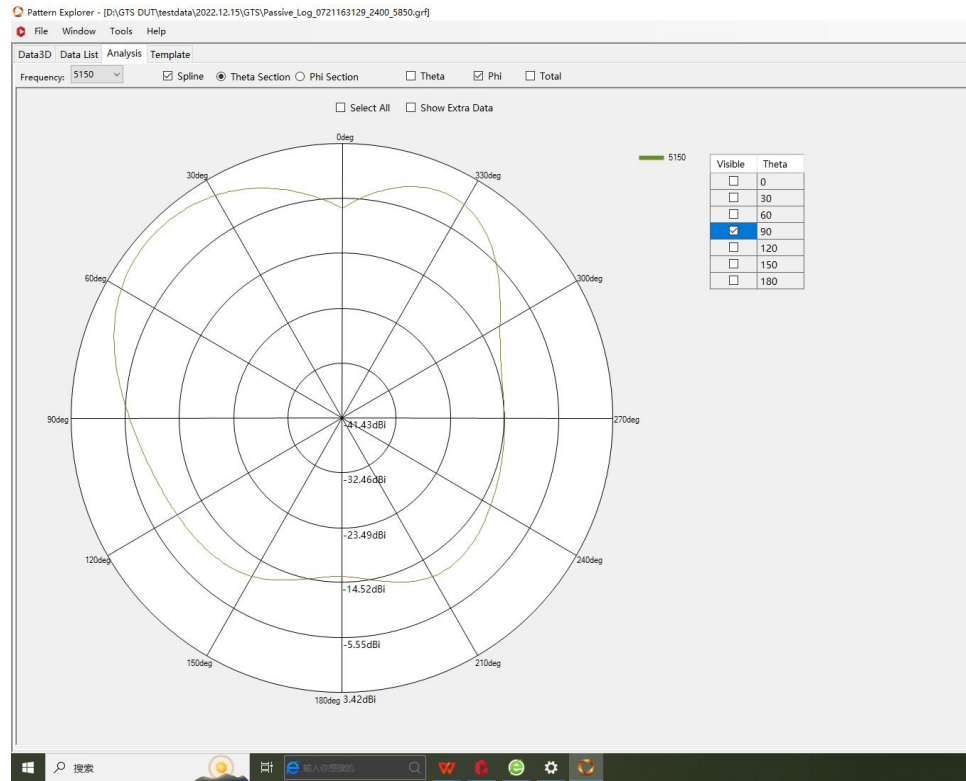
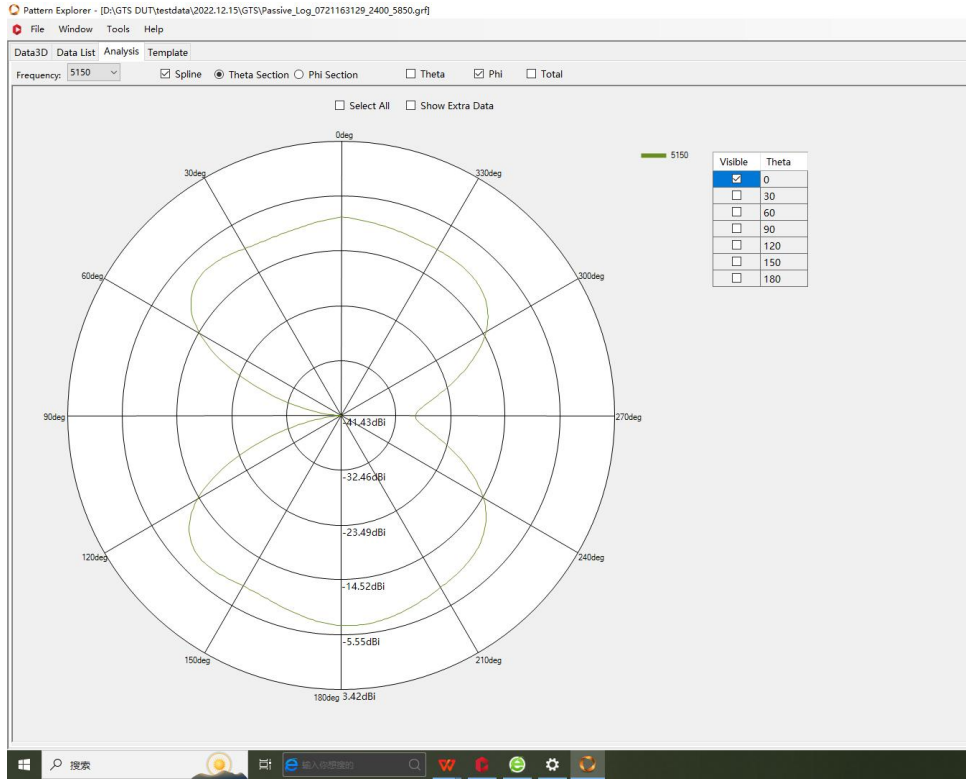




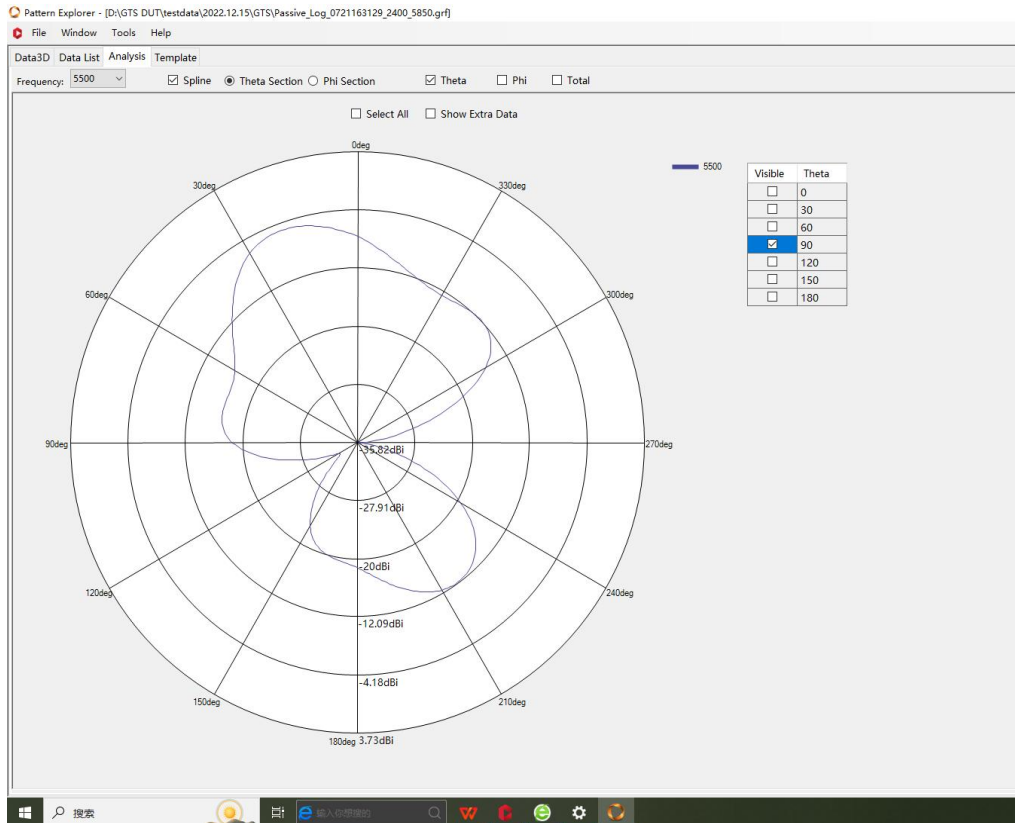
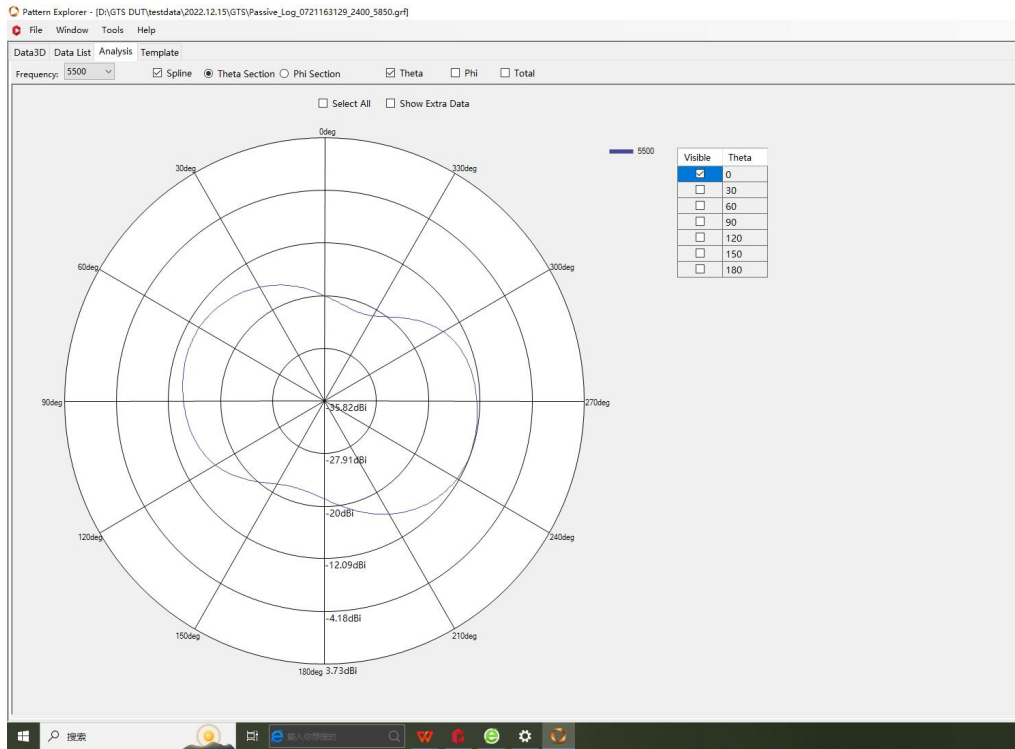
# 2D diagram of antenna radiation——5G

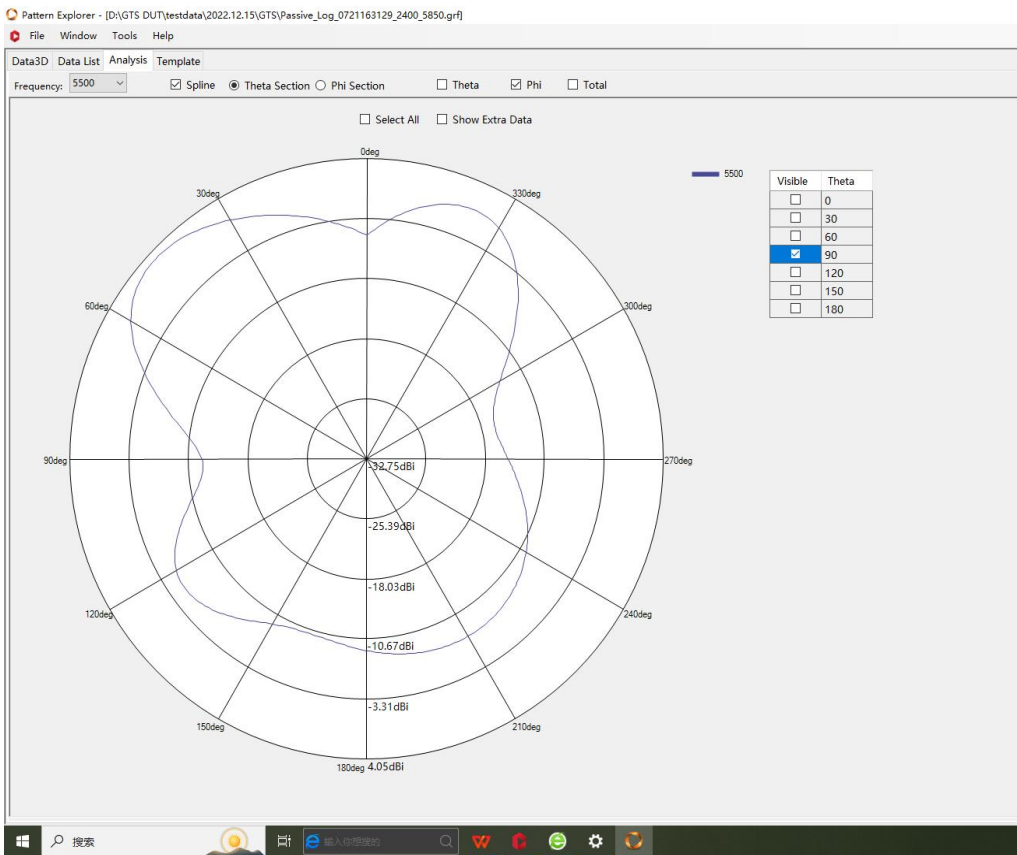
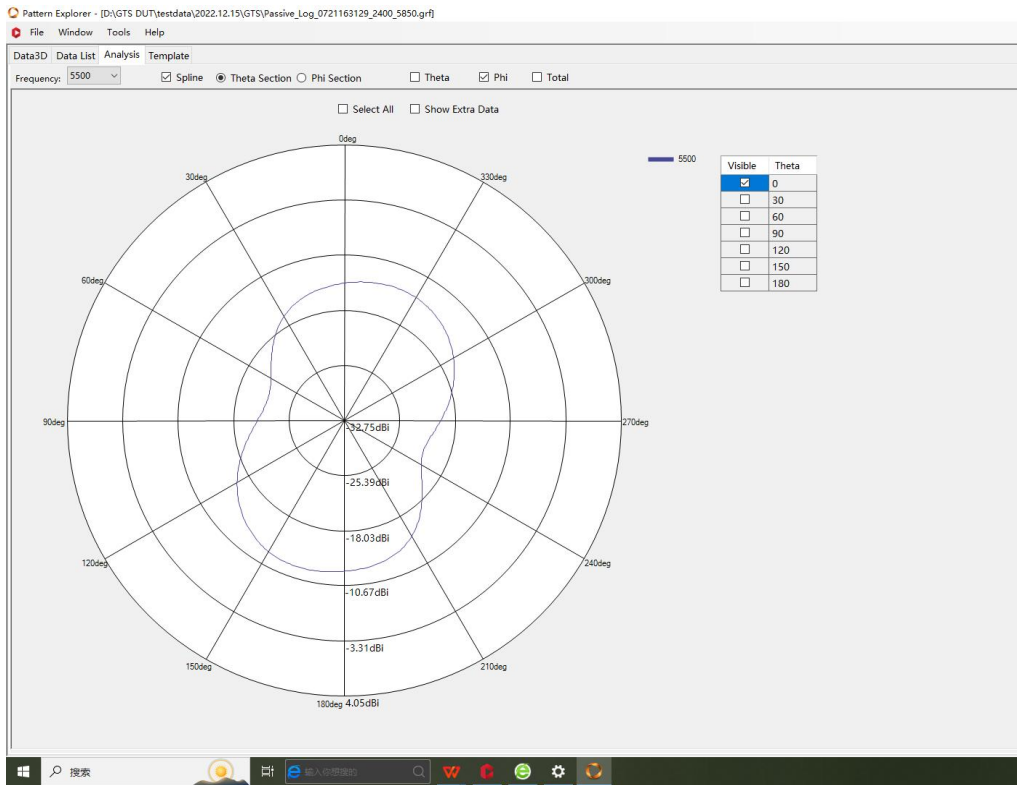
5.15GHz:



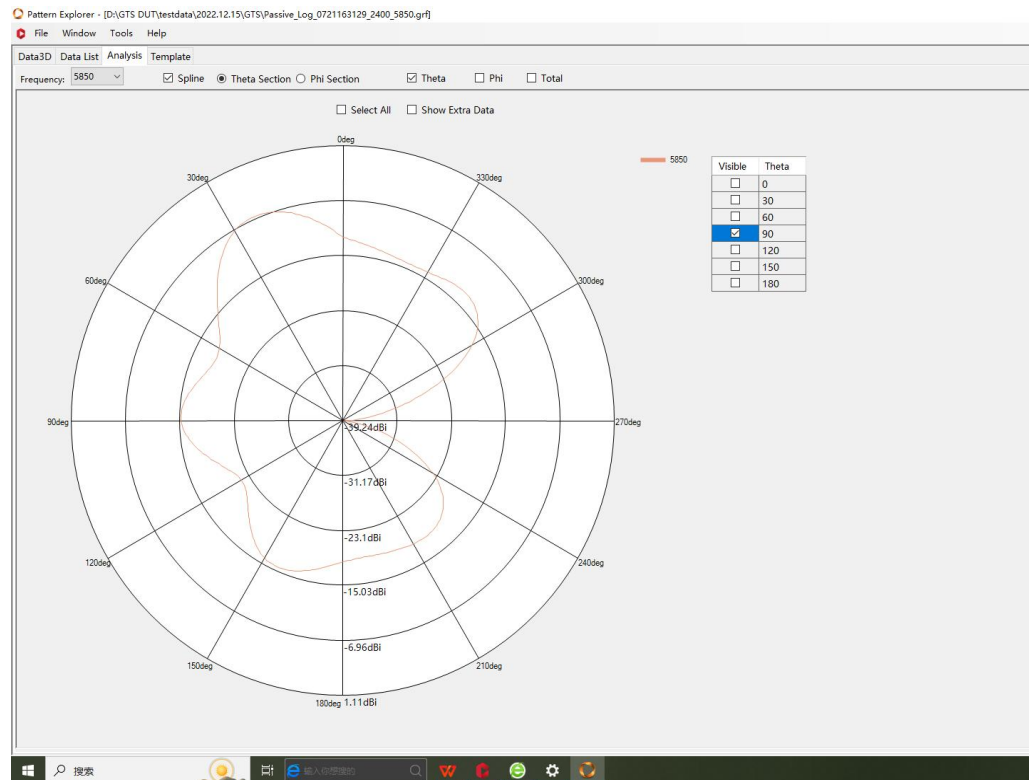
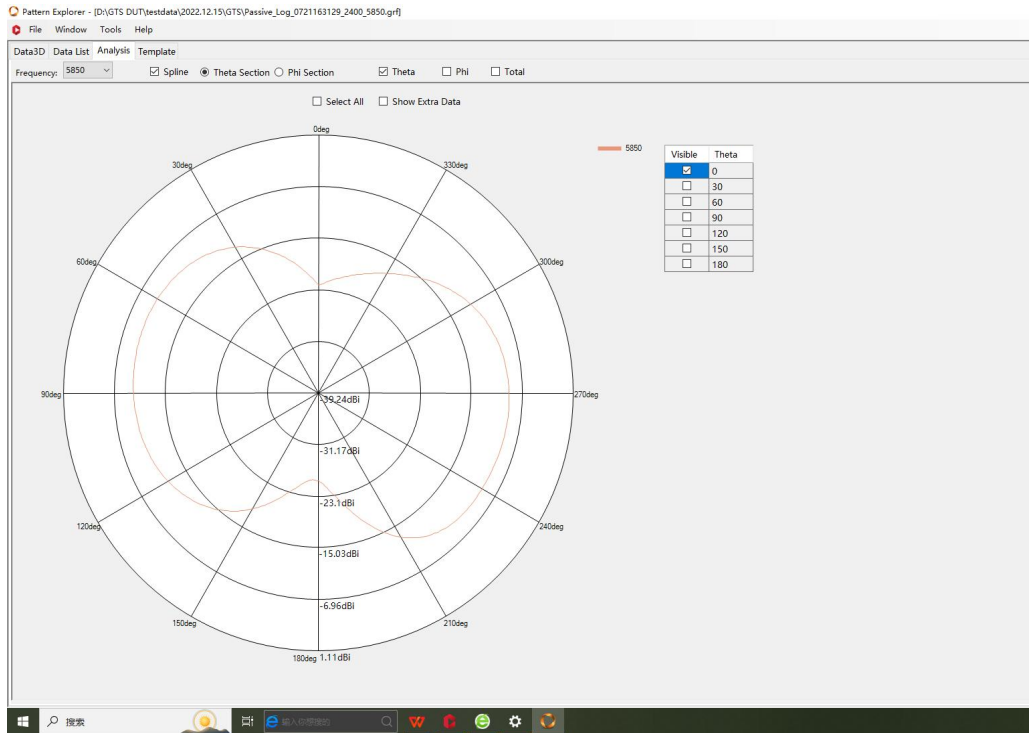


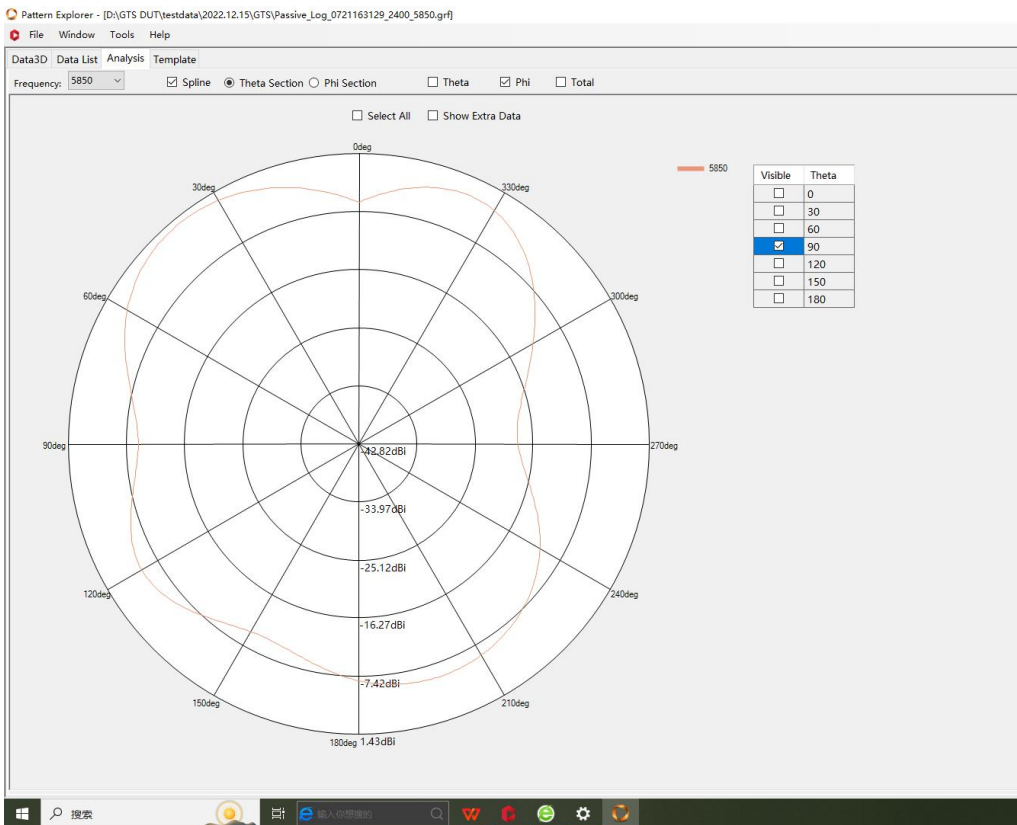
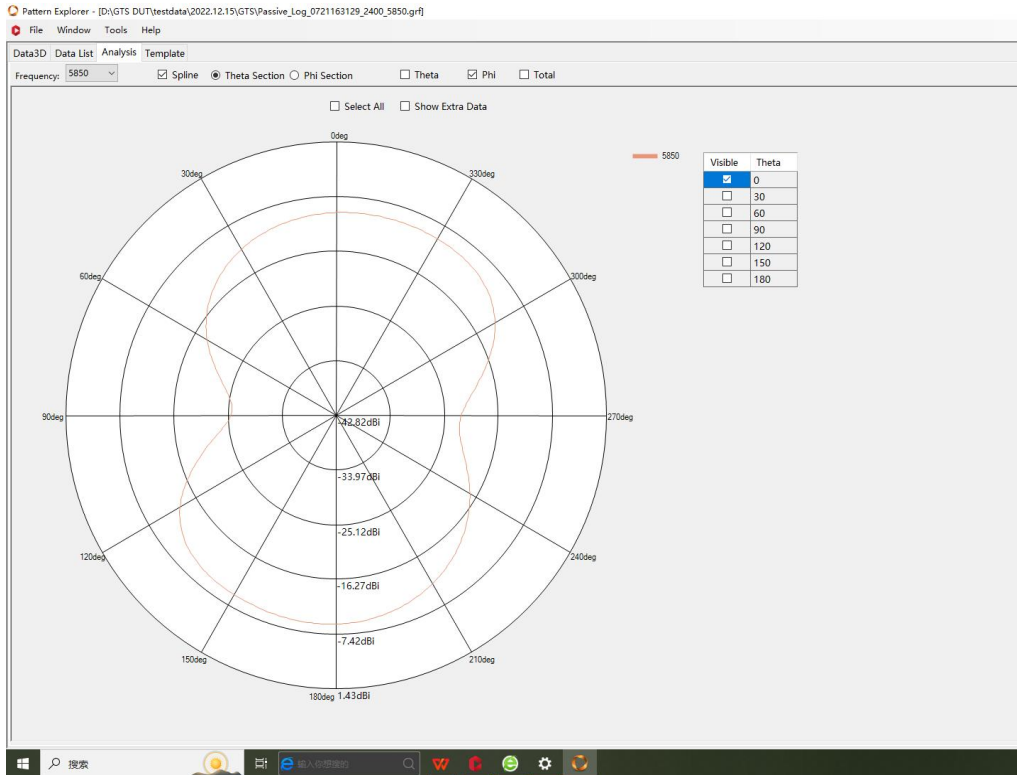
# 5.55GHz:





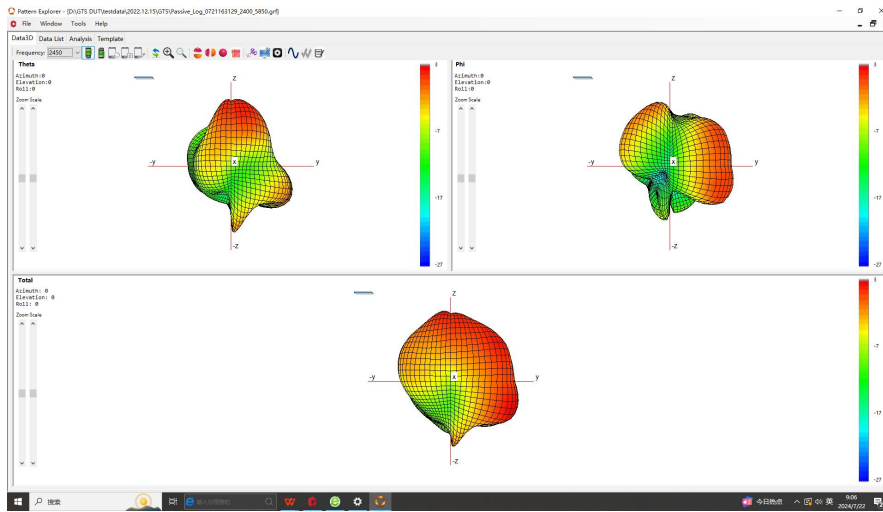
# 5.85GHz:



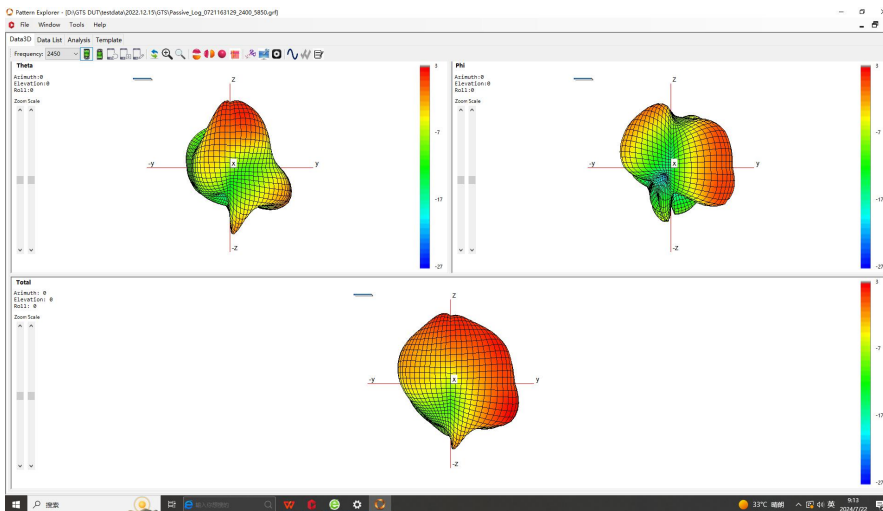


# 3D diagram of antenna radiation:

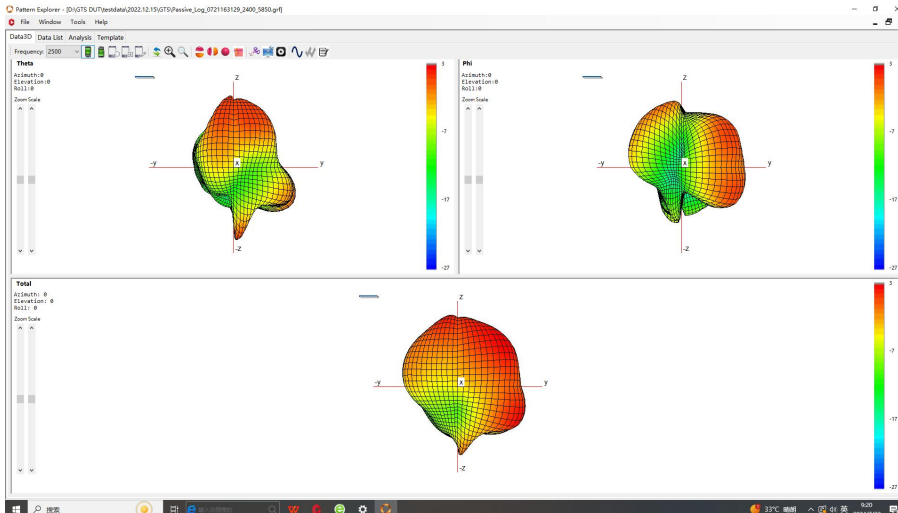
2.4GHz:



2.45GHz:

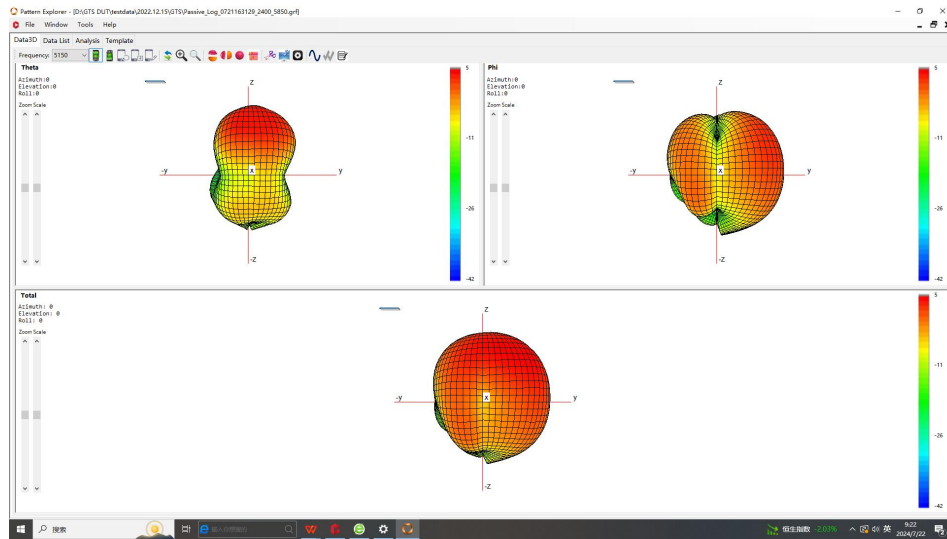


2.5GHz:

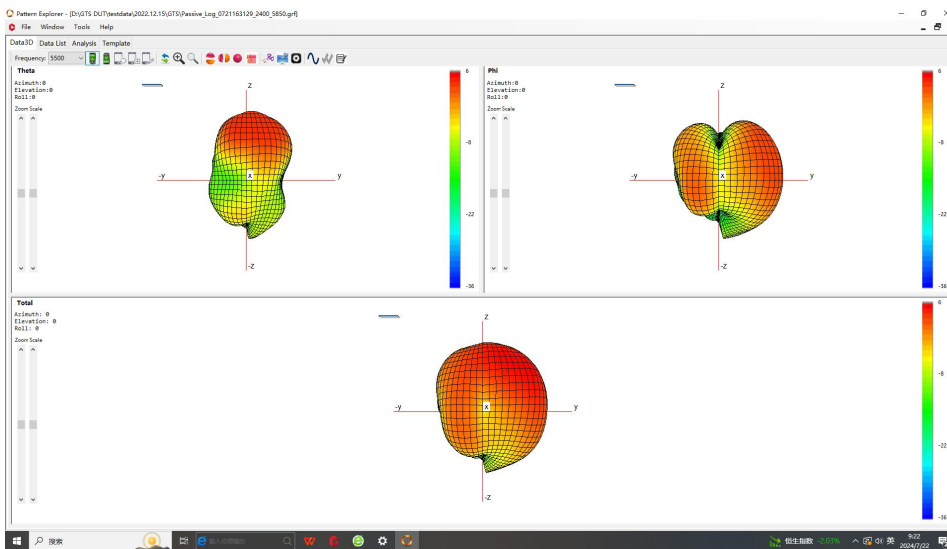




### 5.15GHz:



### 5.55GHz:



### 5.85GHz:

