

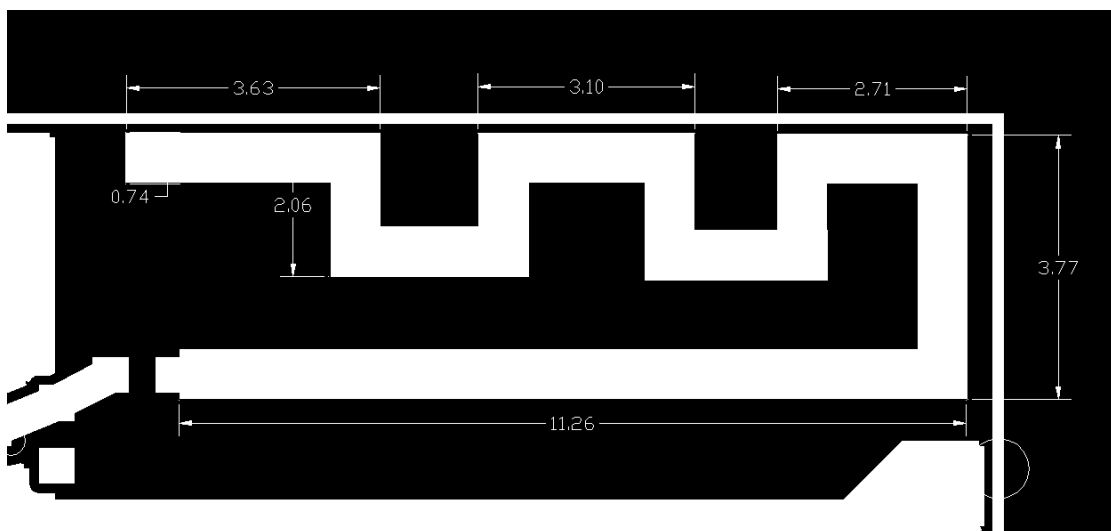
## Antenna describe

### 1. Antenna describe;

Antenna plate	Monoploe antenna
Make name/model name	C-8031U
Antenna gain	1.45dBi
Frequency range	2.4GHZ—2.4835GHZ
Connector type	Direct
Location of mearement (company name)	<b>XIAMENSHI C-CHIP TECHNOLOGY CO., LTD</b>
Manufacturer	<b>SHENZHENSHI XINZHONGXIN TECHNOLOGY CO., LTD.</b>
Manufacturer address	<b>A3 Building, Donghuan Industrial Zone, Shajing, Baoan District, Shenzhen</b>

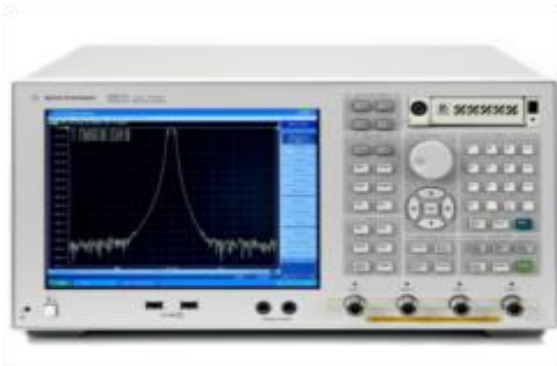
### 2. External view drawing;

Picture of antenna (unit:mm)

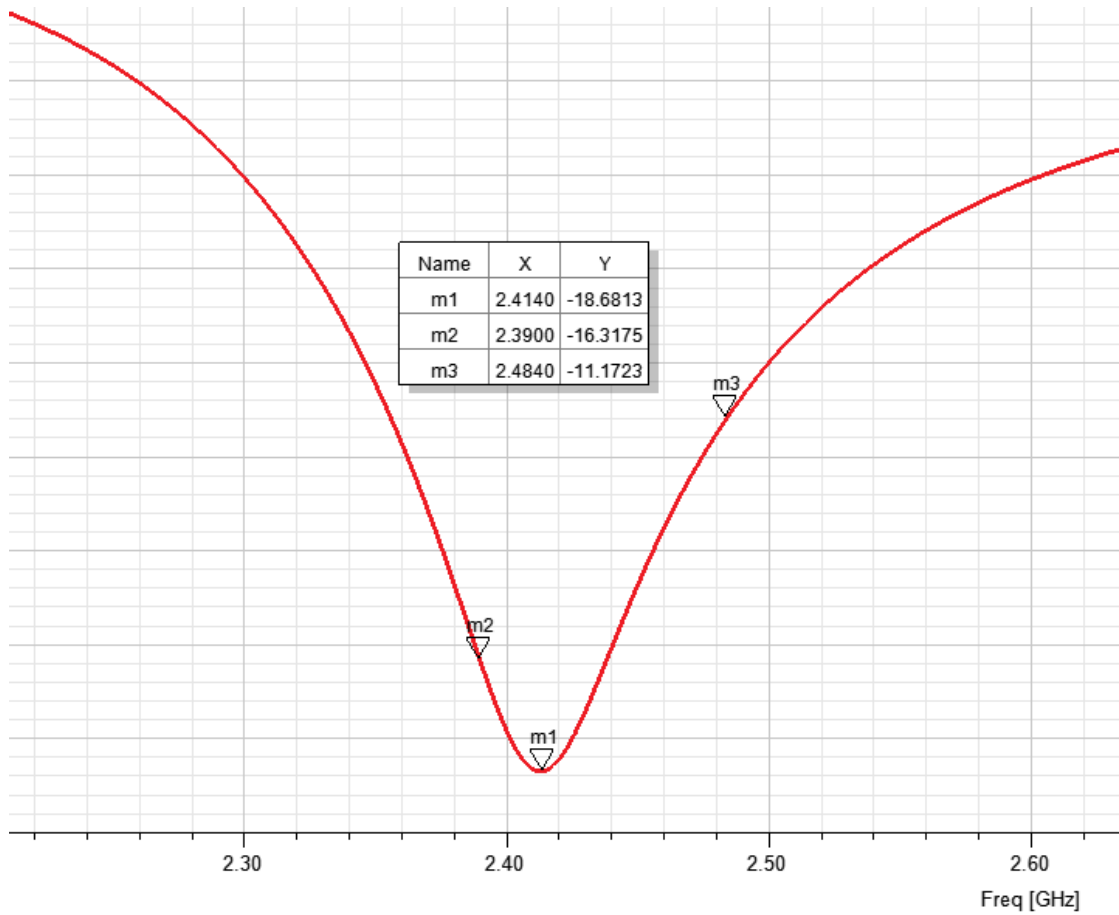
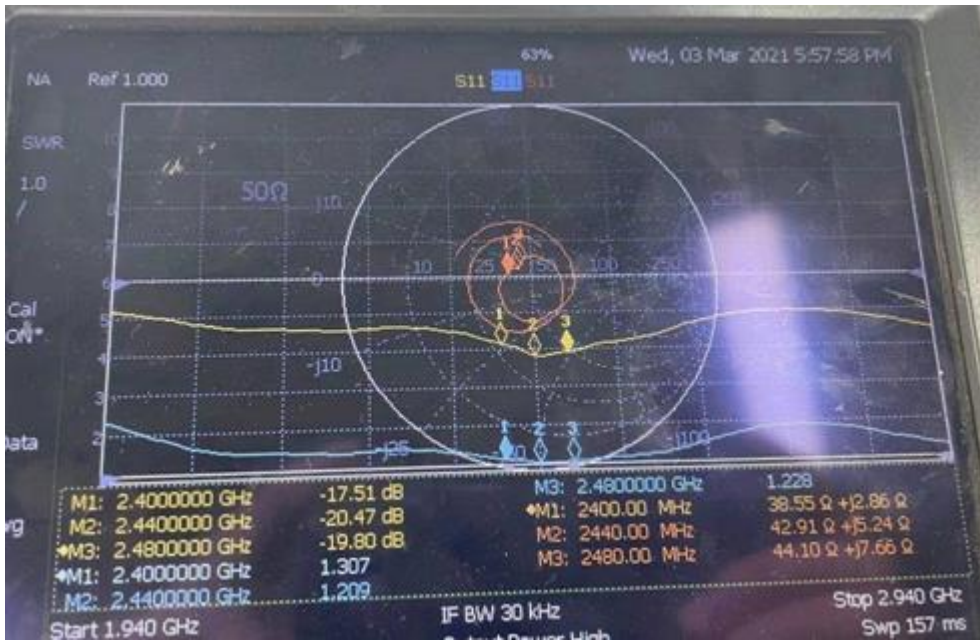


# System

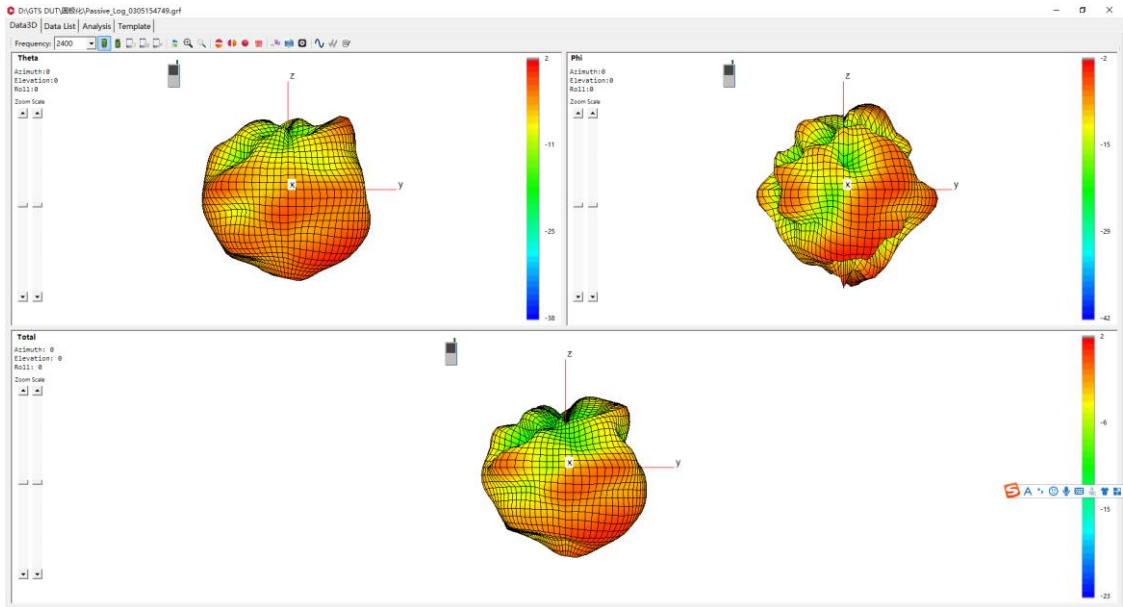
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



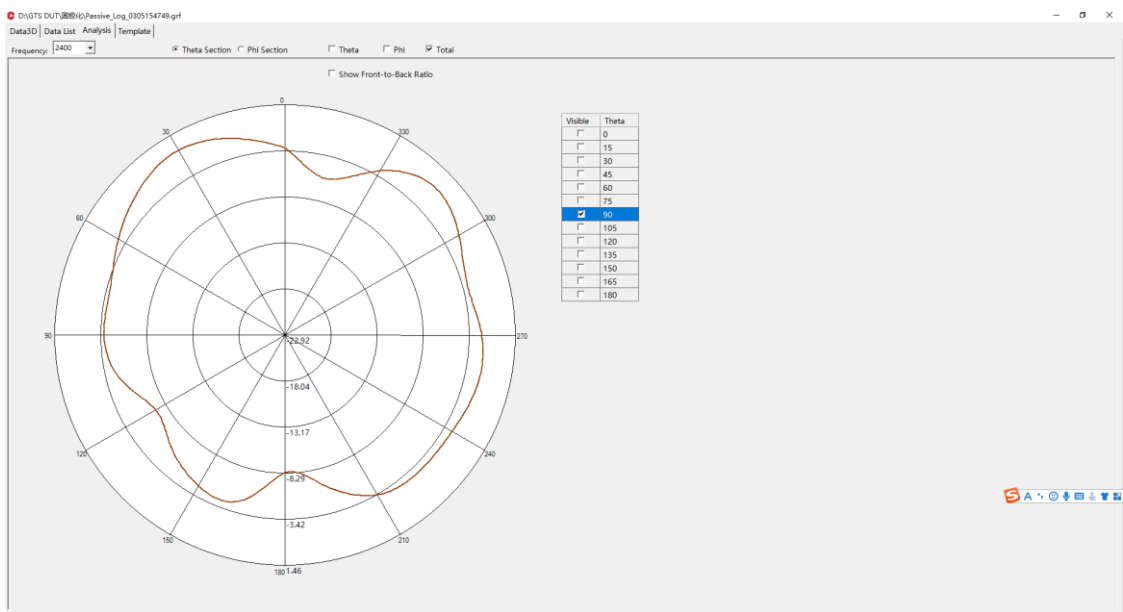
# S-parameter



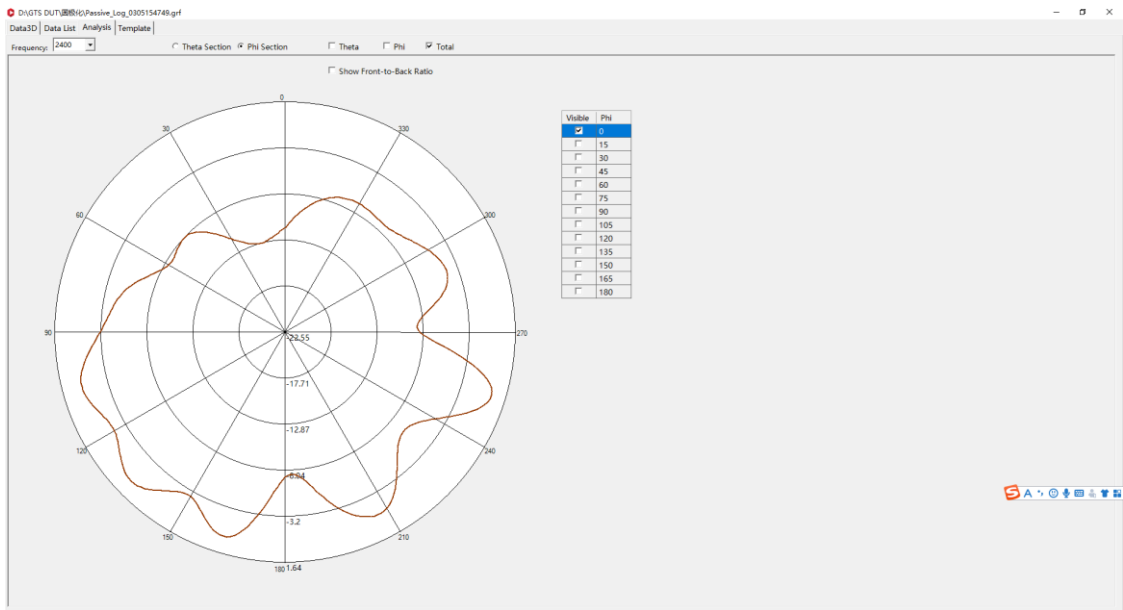
# 2400M



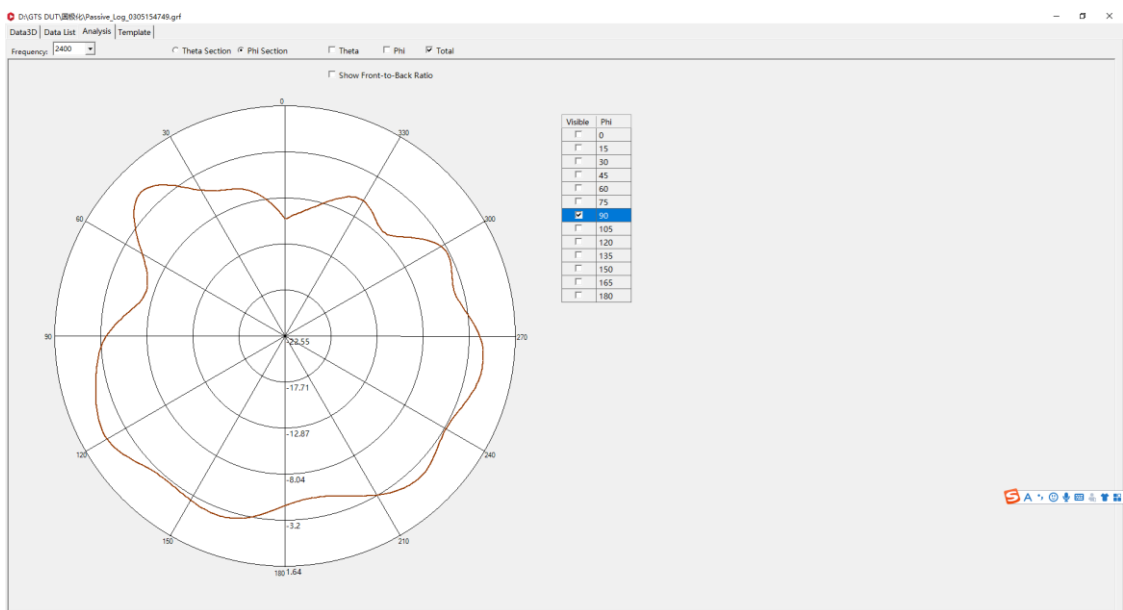
# Theta=90



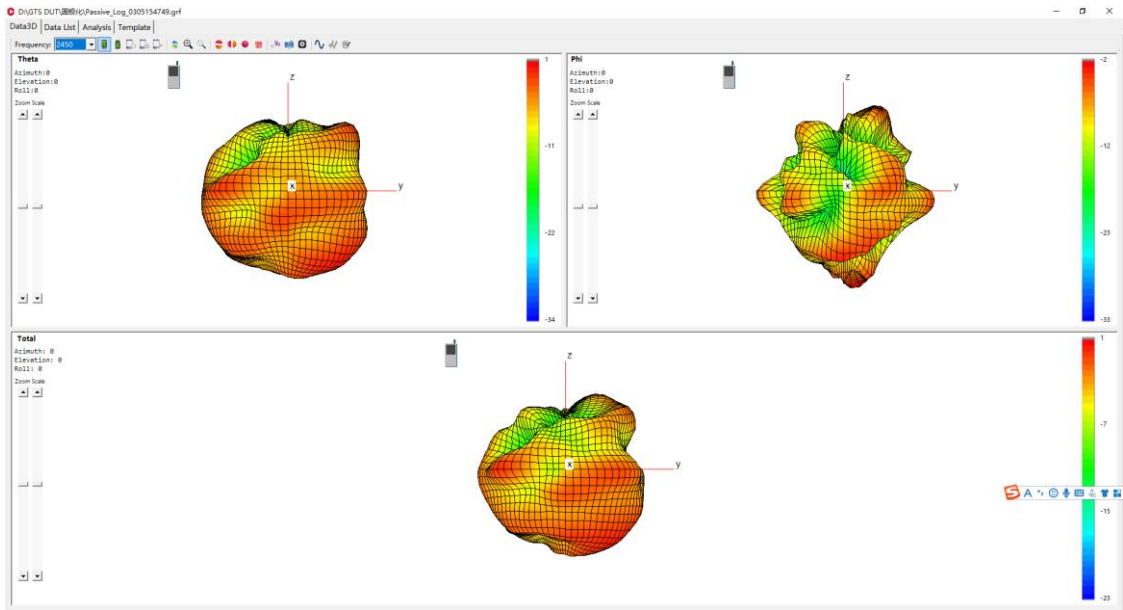
# Phi=0



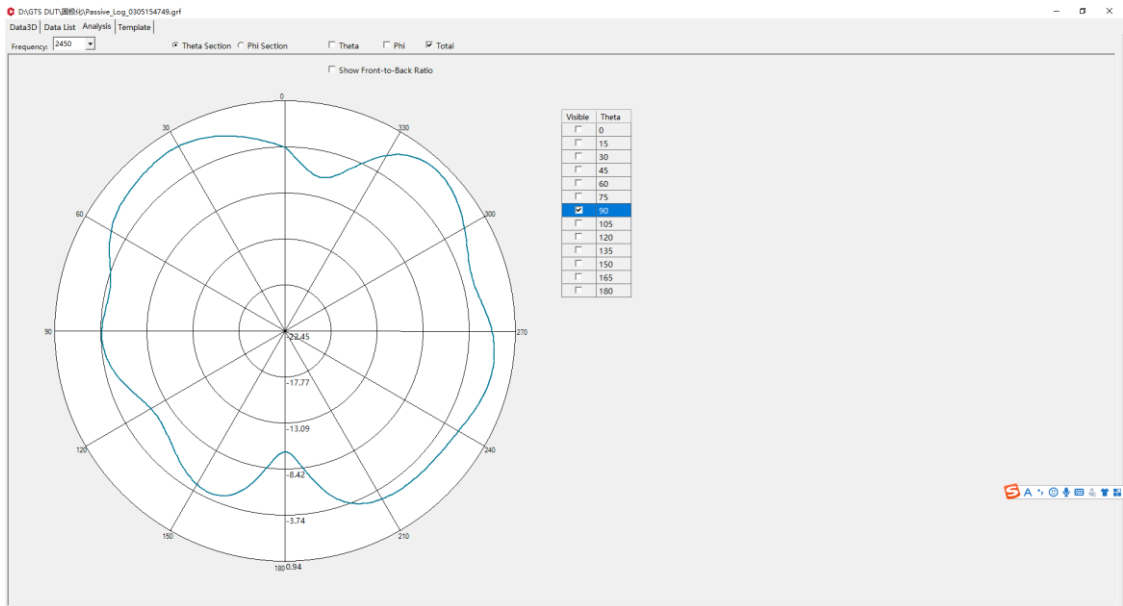
# Phi=90



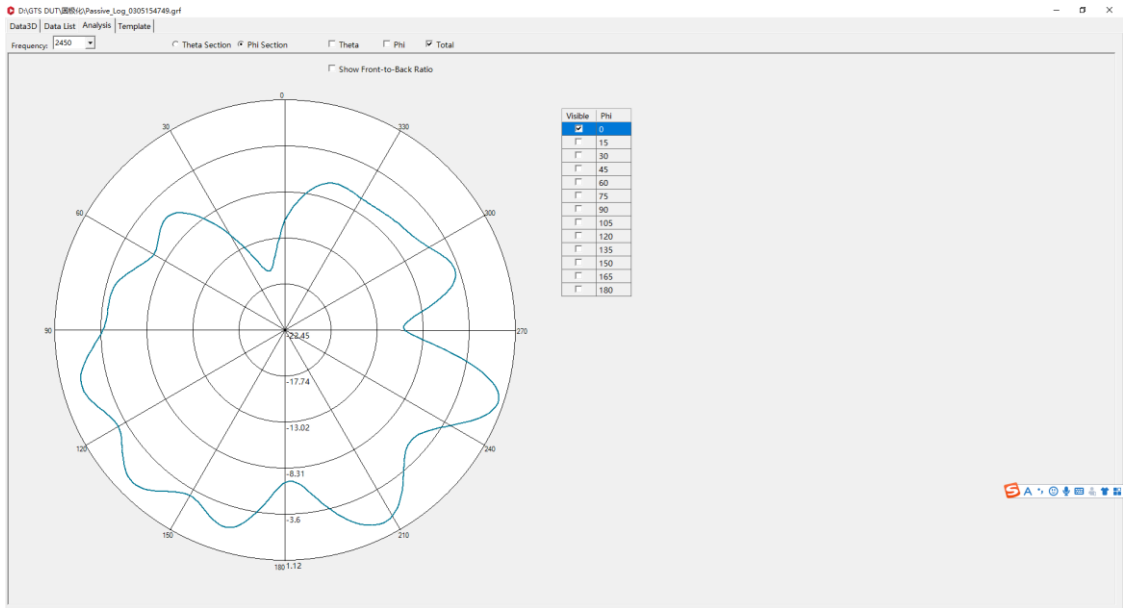
# 2450M



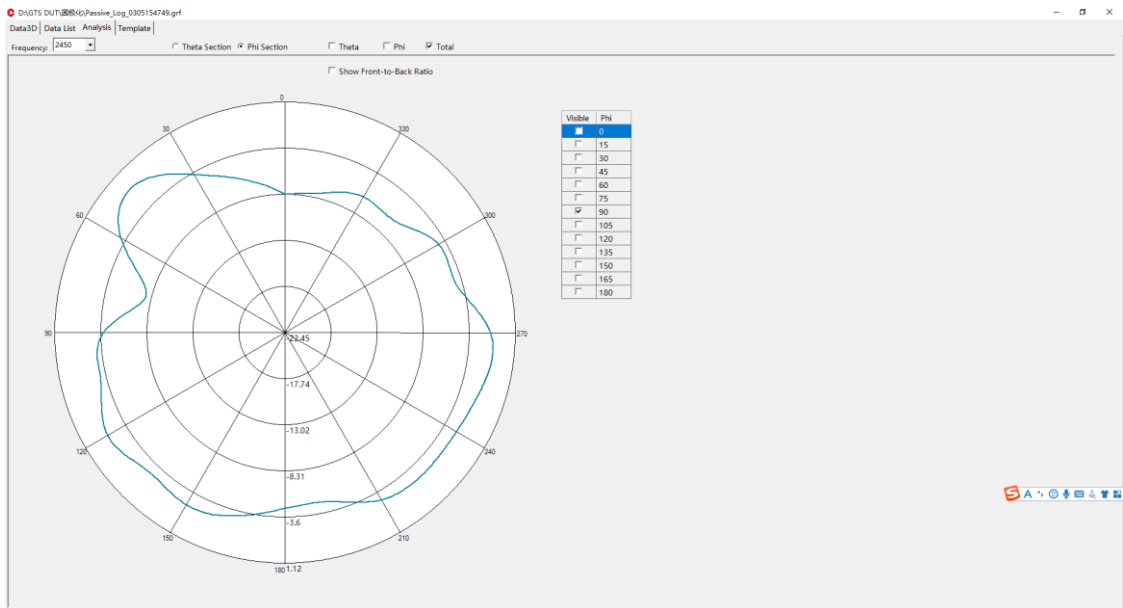
# Theta=90



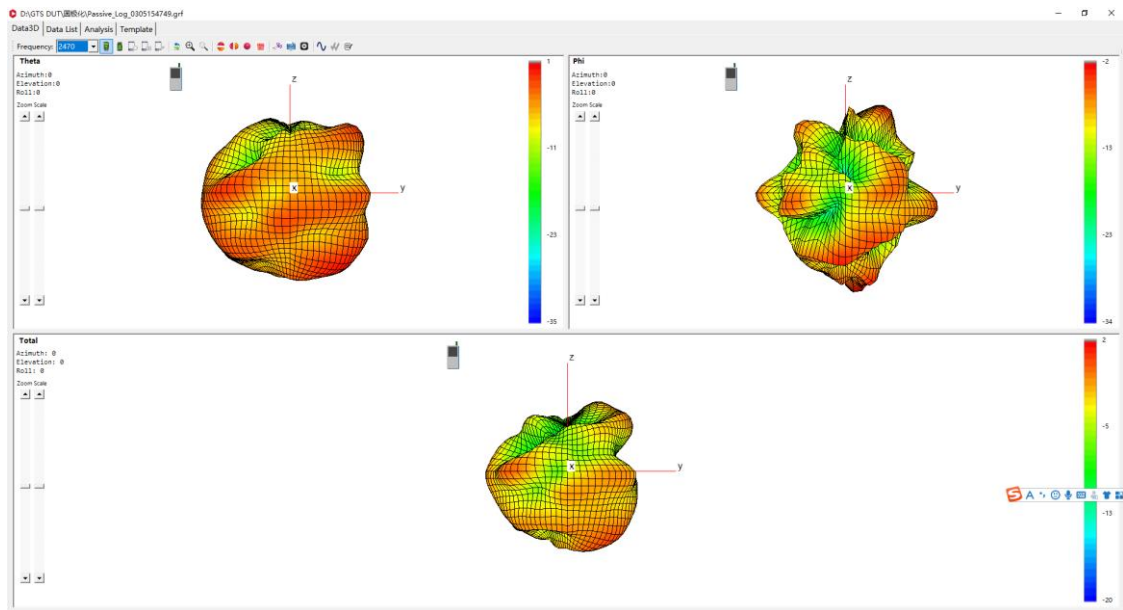
# Phi=0



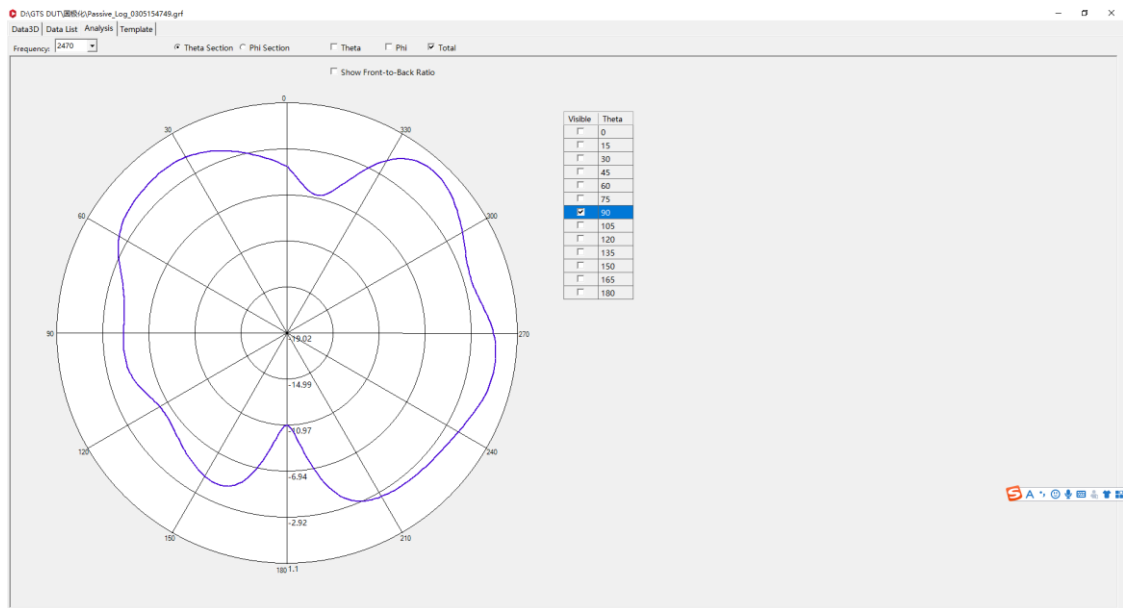
# Phi=90



# 2470M

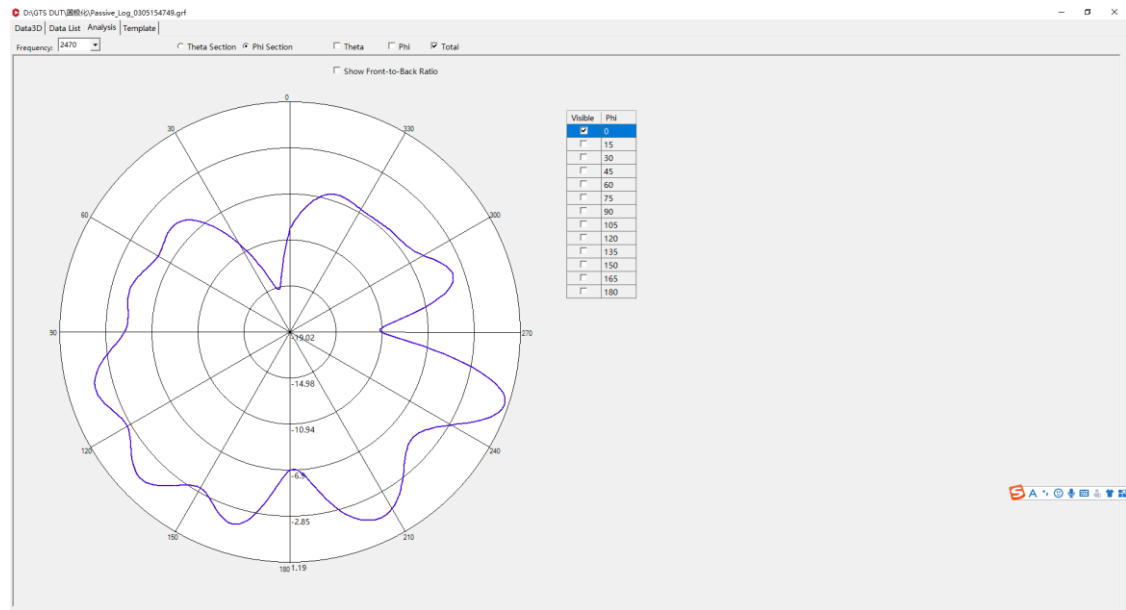


# Theta=90

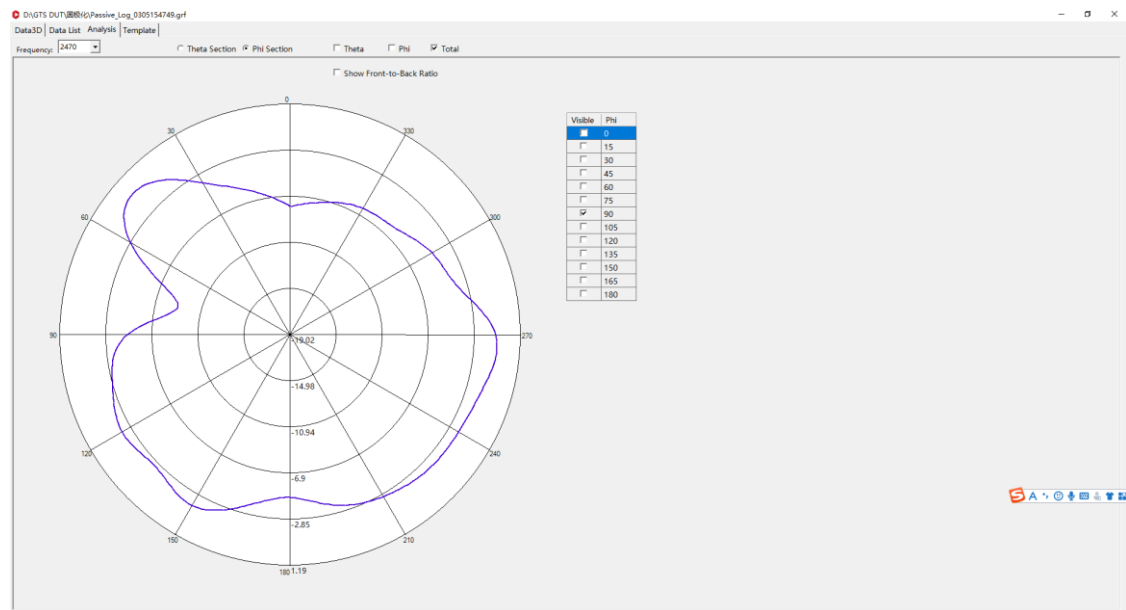




# Phi=0



# Phi=90



chNo	Freq	TRP	PeakEIRP	MinEIRP	Directivity	Gain	Efficiency_dB	Efficiency_Pcent	UHEfficiency_dB	UHEfficiency_Pcent
1	2400	-3.3001	1.403795	-22.5473	4.703892	1.403795	-3.3001	46.77247	-7.86228	16.35957
2	2410	-3.18937	1.455121	-22.0042	4.644492	1.455121	-3.18937	47.98029	-7.71162	16.93708
3	2420	-3.19229	1.321182	-24.3692	4.513471	1.321182	-3.19229	47.94806	-7.67537	17.07902
4	2430	-3.26077	1.11132	-25.9861	4.372091	1.11132	-3.26077	47.19792	-7.69224	17.01282
5	2440	-3.27657	1.028713	-23.1873	4.305287	1.028713	-3.27657	47.0265	-7.65347	17.16538
6	2450	-3.26381	0.940425	-22.4486	4.204235	0.940425	-3.26381	47.16491	-7.55419	17.56229
7	2460	-3.27395	1.005122	-21.2771	4.279069	1.005122	-3.27395	47.05495	-7.51882	17.70591
8	2470	-3.21184	1.102231	-19.0191	4.314069	1.102231	-3.21184	47.73273	-7.41137	18.14944
9	2480	-3.15323	1.296276	-15.3584	4.449502	1.296276	-3.15323	48.38128	-7.35447	18.38878
10	2490	-3.28849	1.158648	-14.608	4.447139	1.158648	-3.28849	46.89764	-7.51511	17.72105
11	2500	-3.47439	1.015448	-14.0353	4.489839	1.015448	-3.47439	44.93253	-7.72676	16.87811