

Product name: Antenna

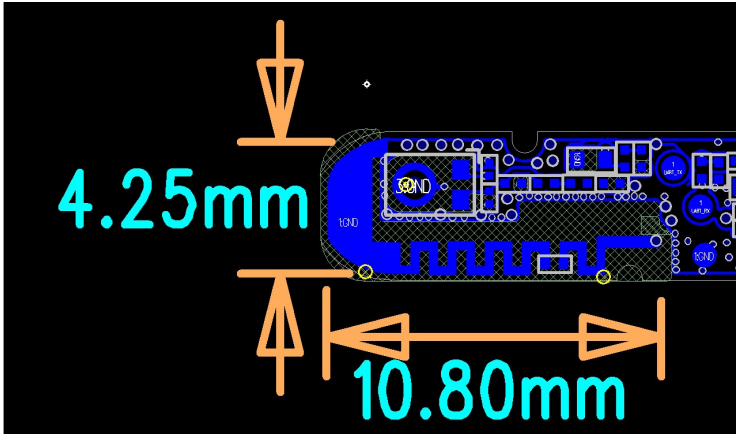
Product Model: M79 antenna

Antenna Type: PCB Antenna

Date: 2022.9.13

1. Cover	1
2. The directory	2
3. Passive efficiency, gain	3
4. S11, Smith	4
5. Apple figure	5
Figure 6. Direction	6

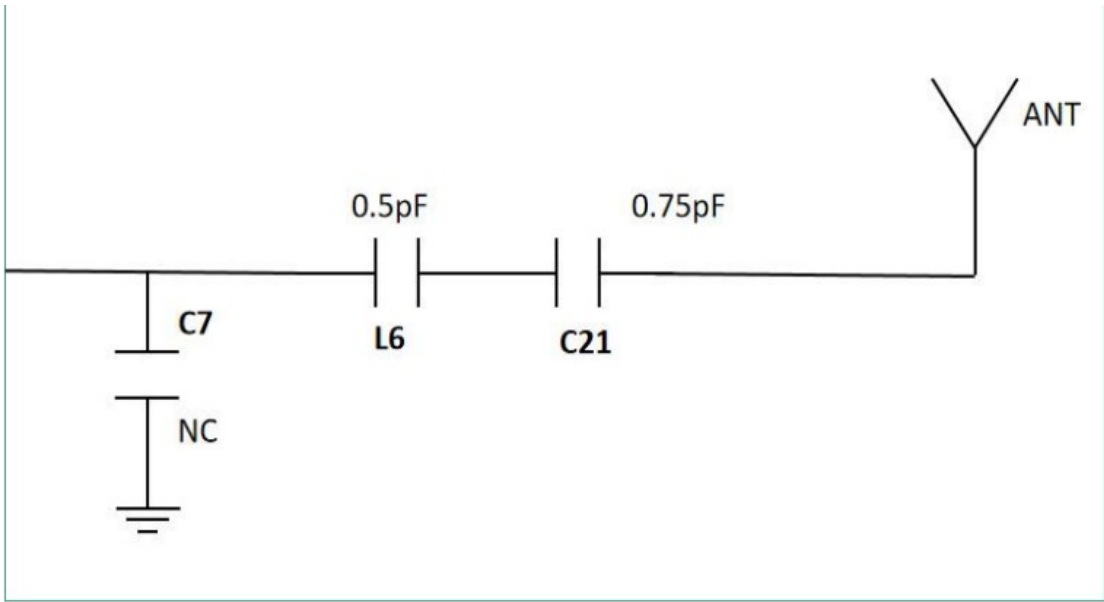
Antenna Dimension



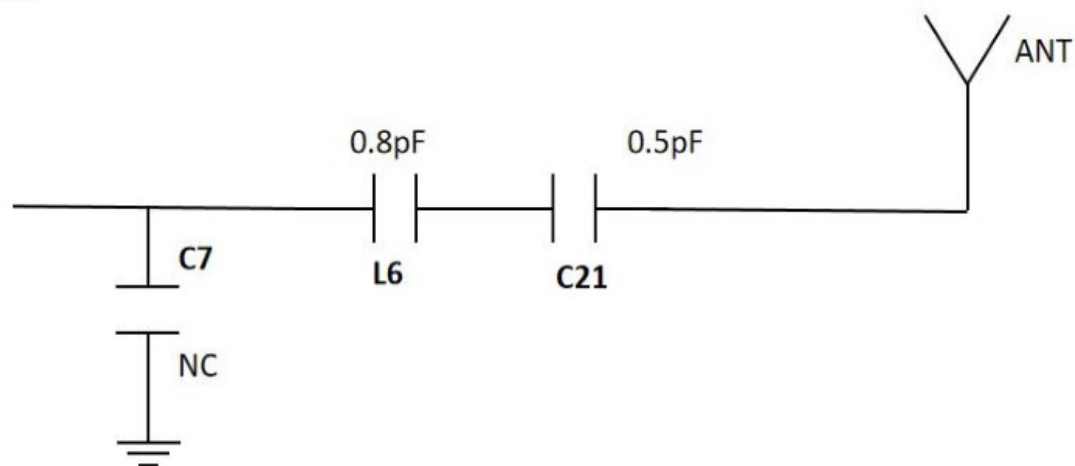
Antenna Efficiency

天线效率 Antenna Efficiency								
Frequency (MHz)	左耳 Left				右耳 Right			
	自由空间 Space		头模 Headform		自由空间 Space		头模 Headform	
	Efficiency (dB)	Gain (dBi)	Efficiency (dB)	Gain (dBi)	Efficiency (dB)	Gain (dBi)	Efficiency (dB)	Gain (dBi)
2400	-6.72	-0.68	-10.36	-1.74	-6.74	-3.04	-11.72	-5.13
2410	-6.54	-0.43	-10.28	-1.67	-6.47	-2.73	-11.4	-4.88
2420	-6.26	-0.05	-10.15	-1.47	-6.09	-2.2	-11.4	-4.88
2430	-6.27	0	-10.3	-1.55	-5.99	-2	-11.27	-4.73
2440	-6.3	-0.05	-10.37	-1.63	-5.88	-1.99	-11.39	-4.86
2450	-6.15	0.03	-10.2	-1.62	-5.67	-1.97	-11.44	-4.91
2460	-6.24	-0.05	-10.44	-1.82	-5.62	-1.98	-11.45	-4.87
2470	-6.45	-0.23	-10.69	-2.08	-5.66	-2.09	-11.63	-4.95
2480	-6.43	-0.23	-10.84	-2.19	-5.58	-2.11	-11.84	-5.03
2490	-6.65	-0.58	-11.28	-2.61	-5.77	-2.43	-11.92	-5.01
2500	-6.74	-0.8	-11.53	-2.92	-5.79	-2.59	-12.28	-5.31

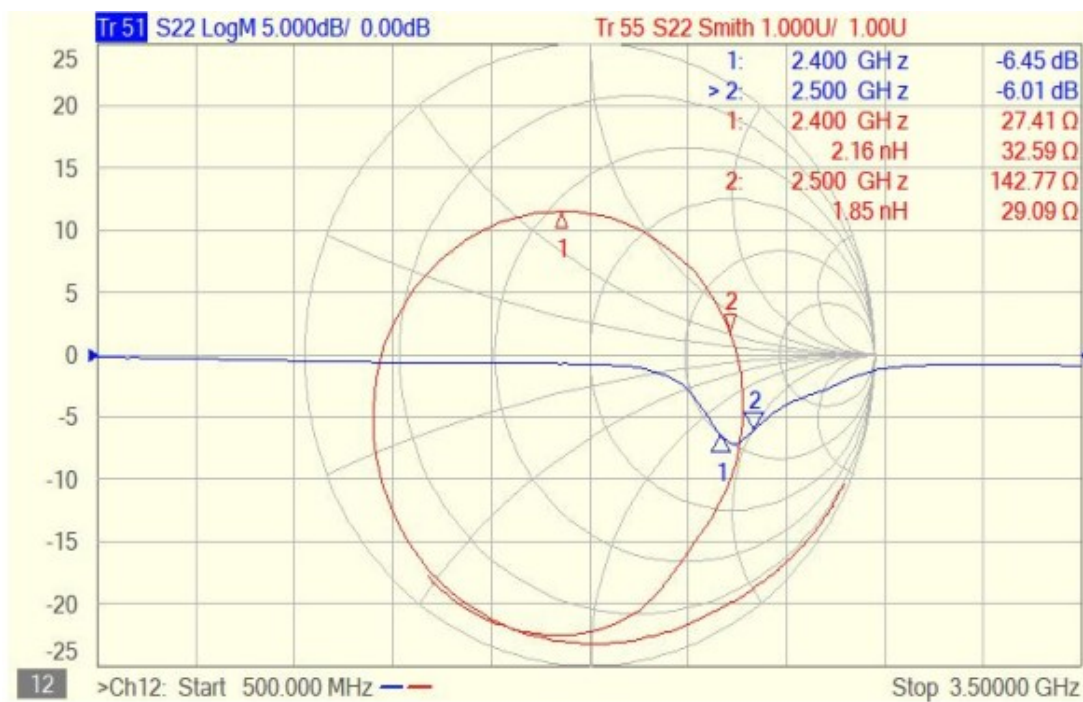
Left ear matching circuit



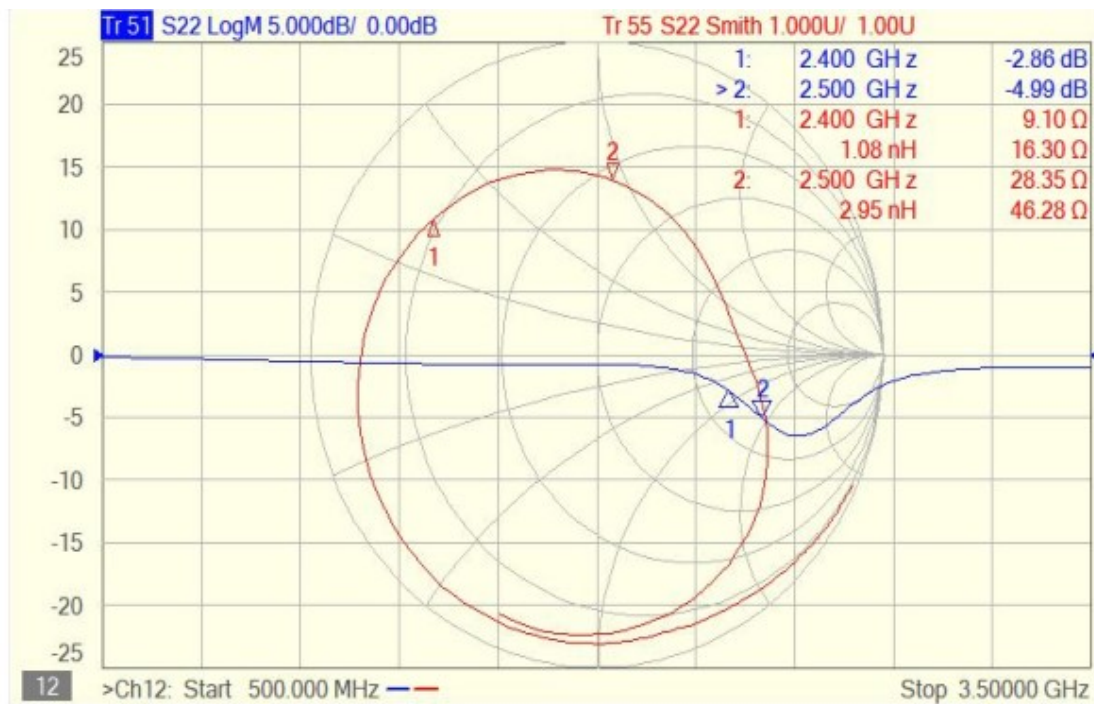
Right ear matching circuit



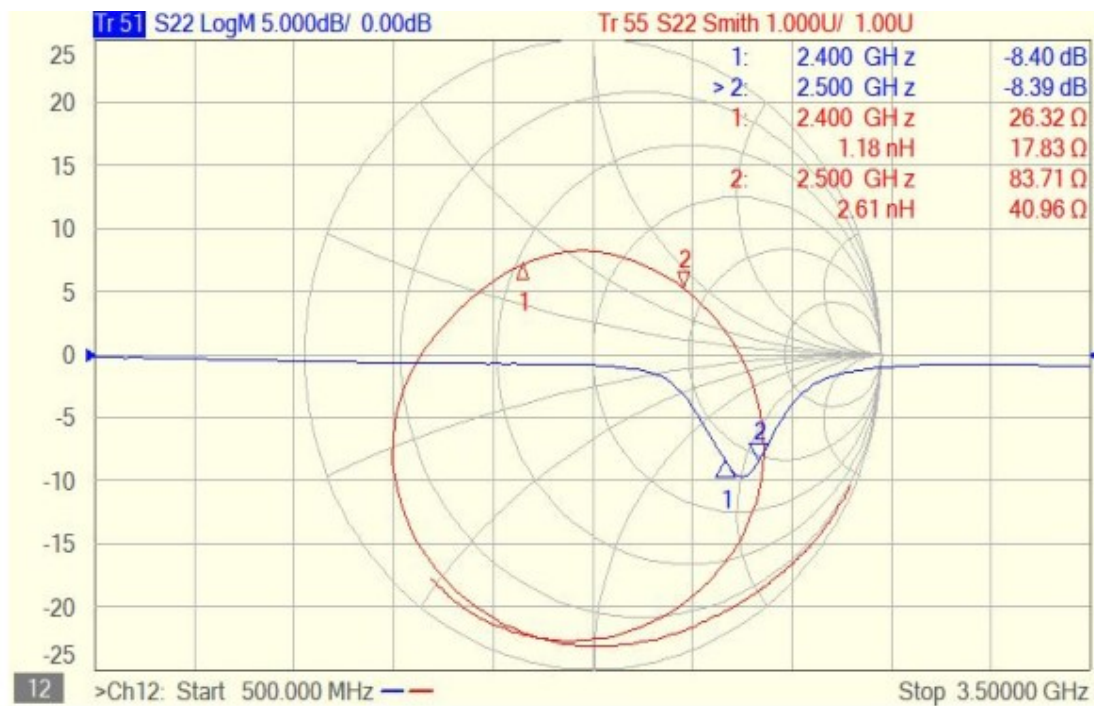
Left ear S11, Smith



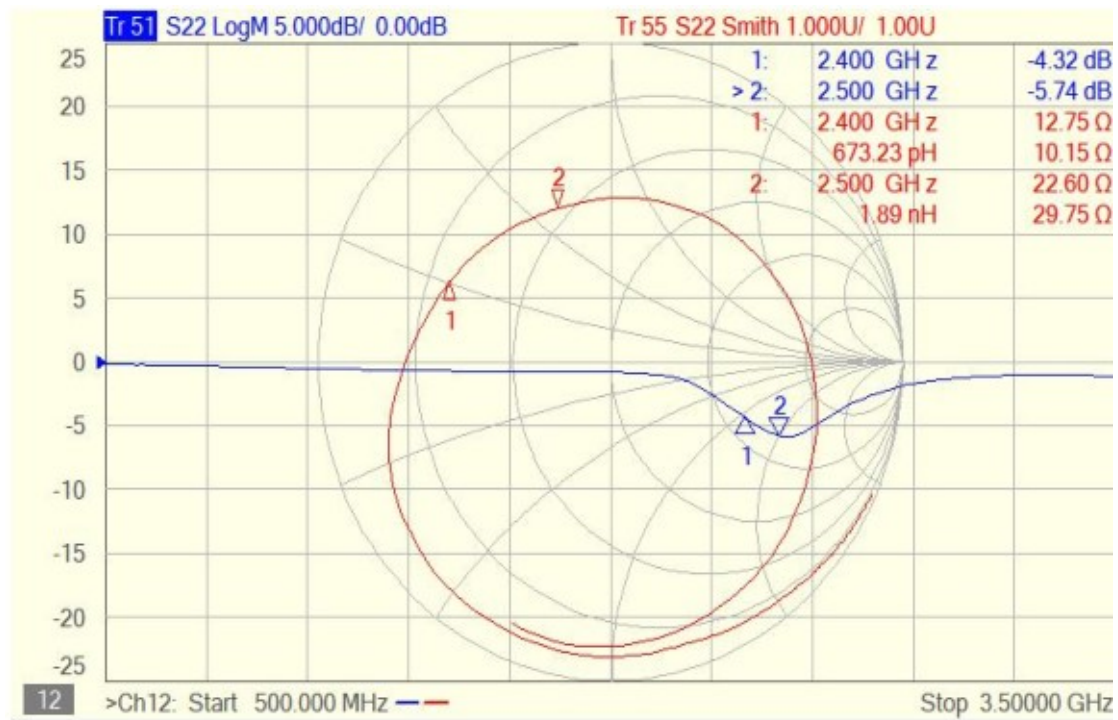
Right ear S11, Smith



Left ear Space, Smith

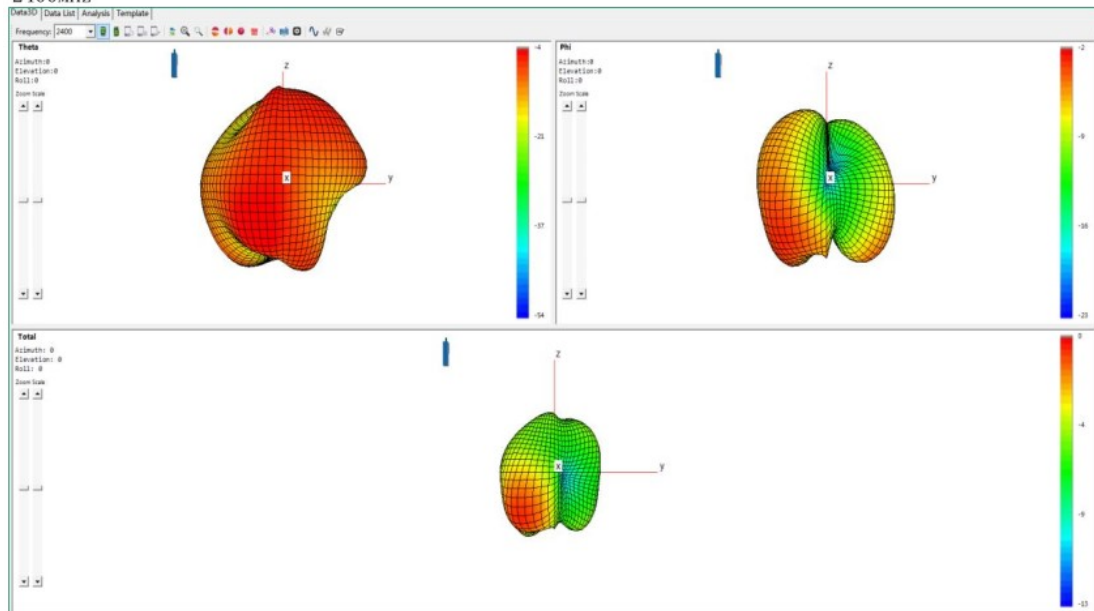


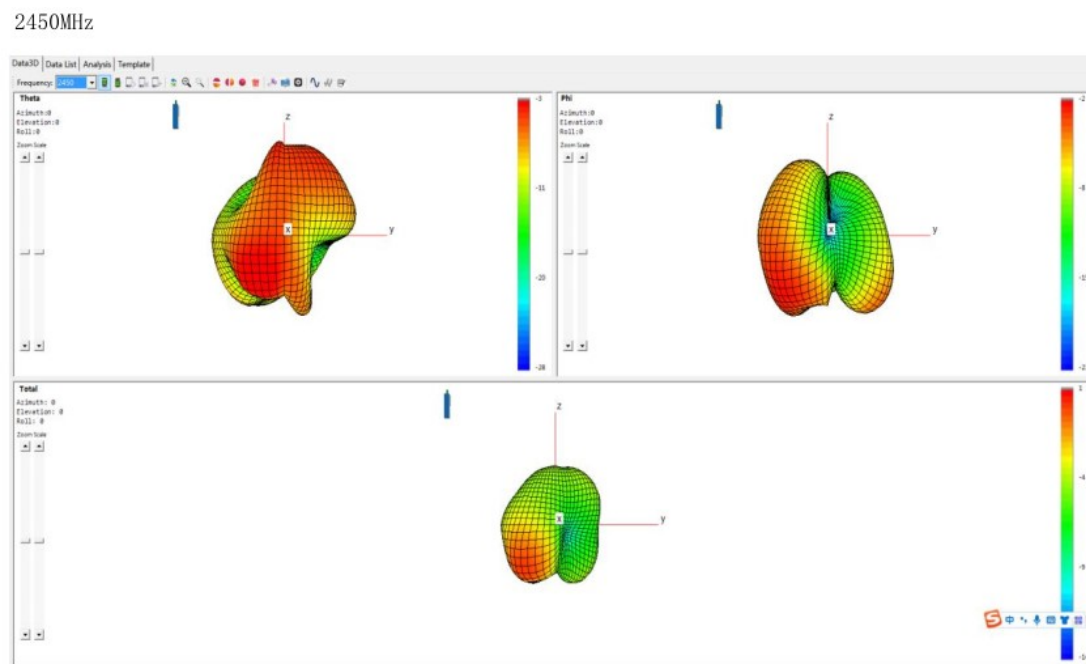
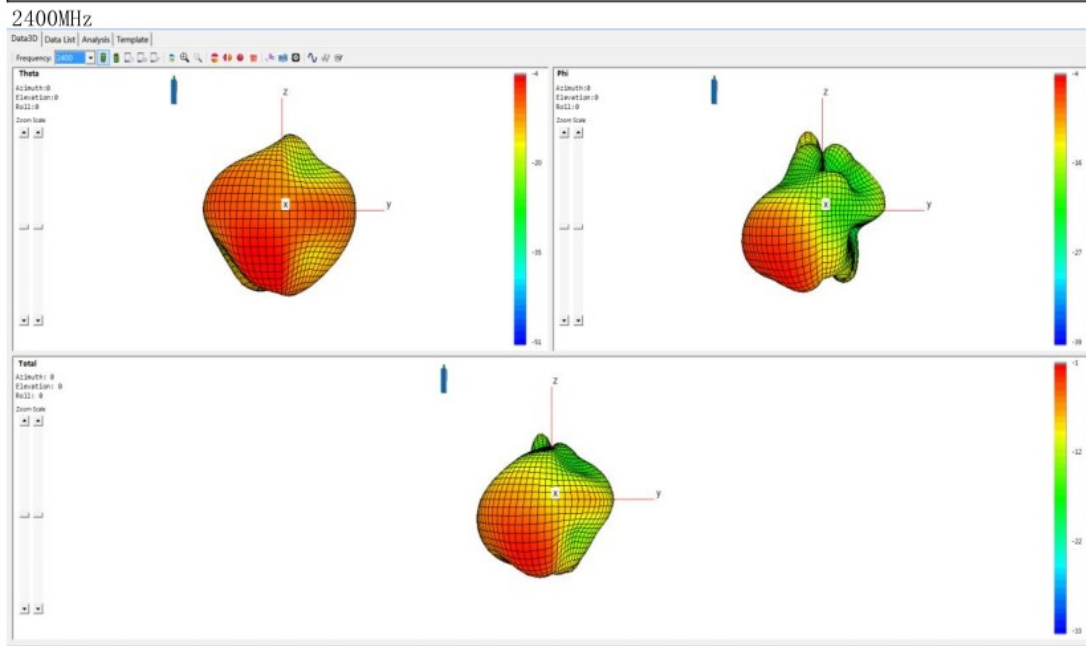
Right ear Space, Smith



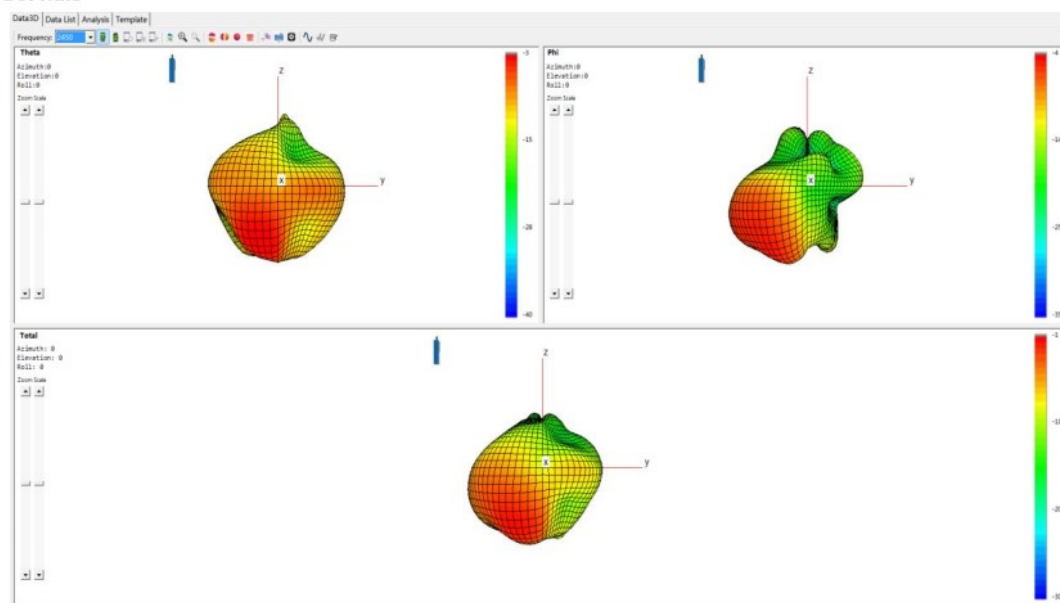
Apple figure--left

2400MHz

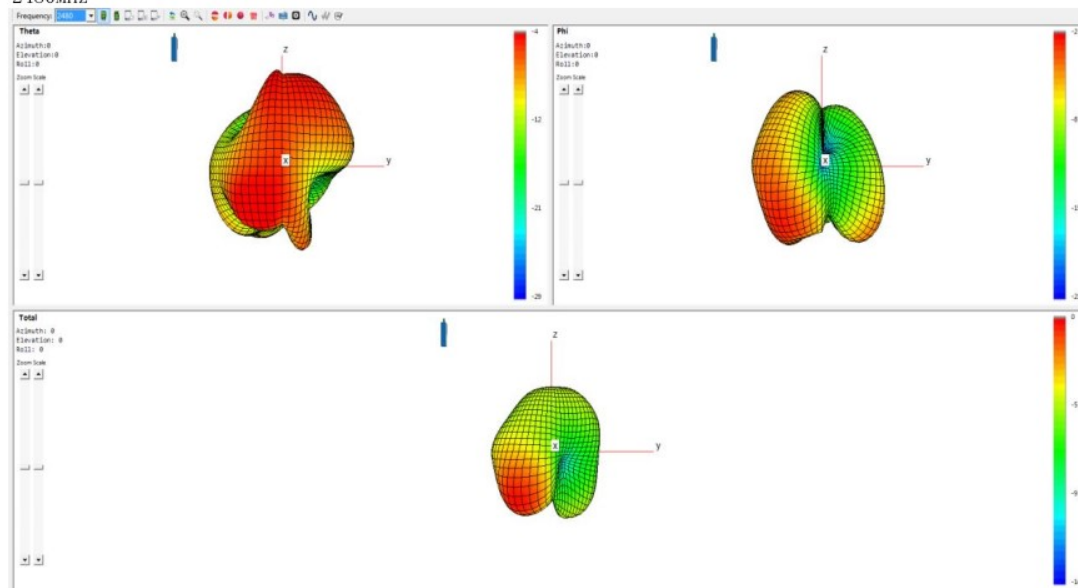




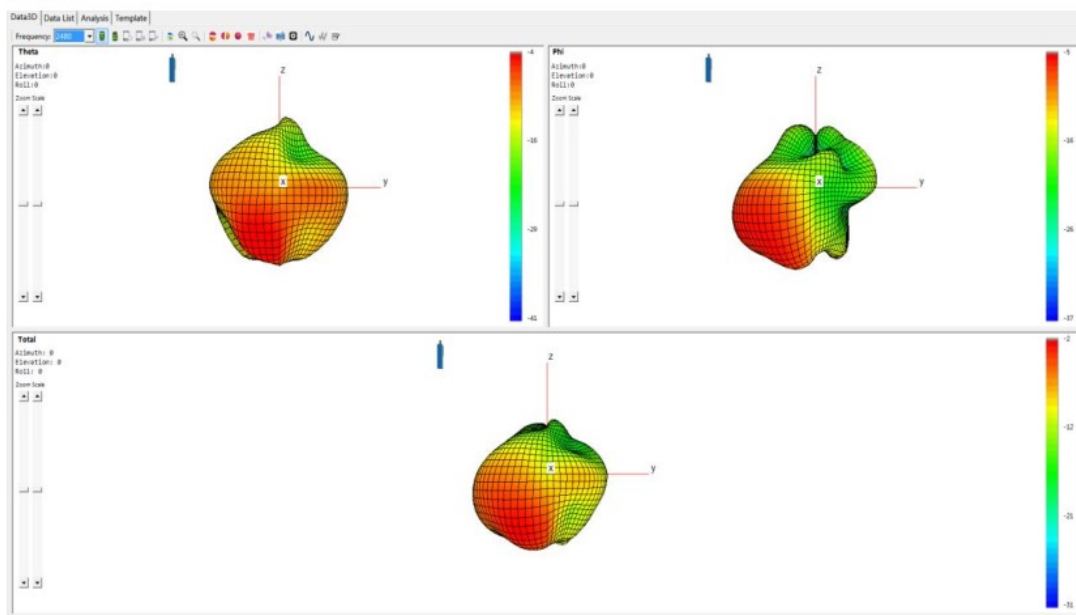
2450MHz



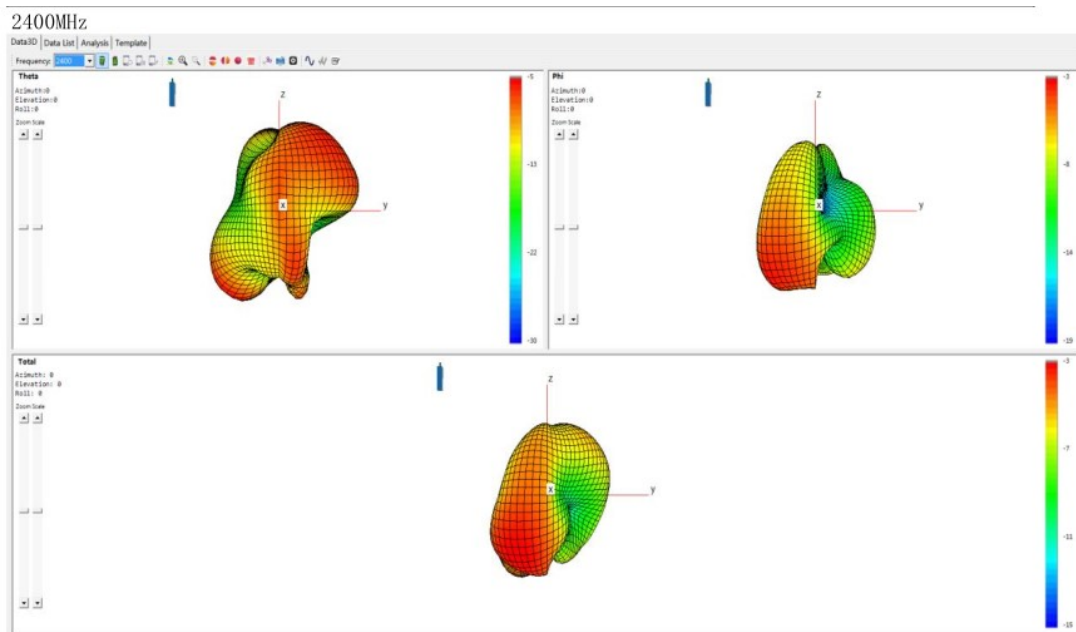
2480MHz



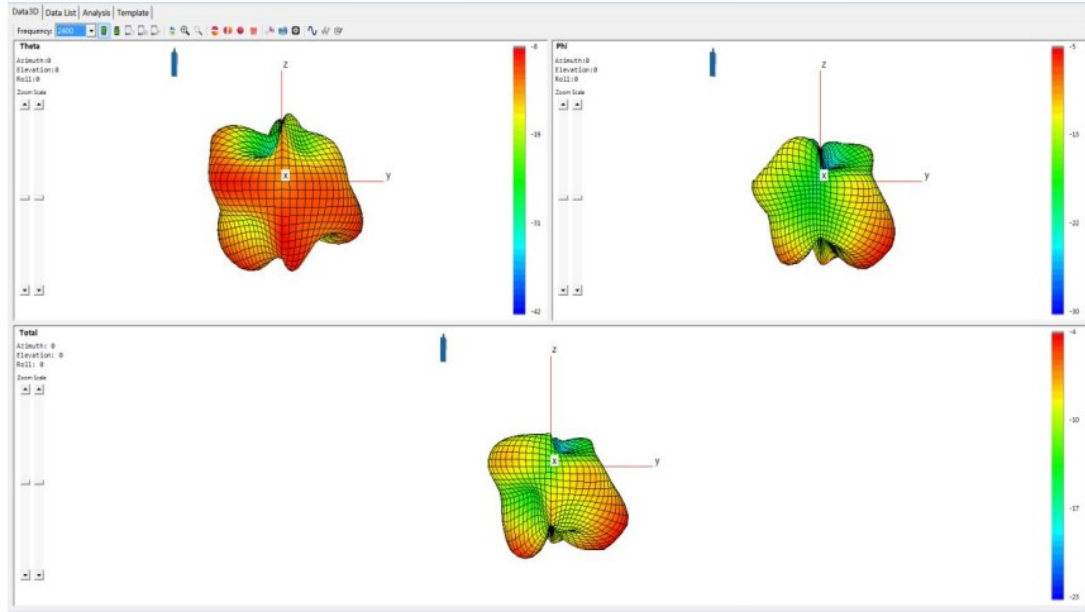
2480MHz



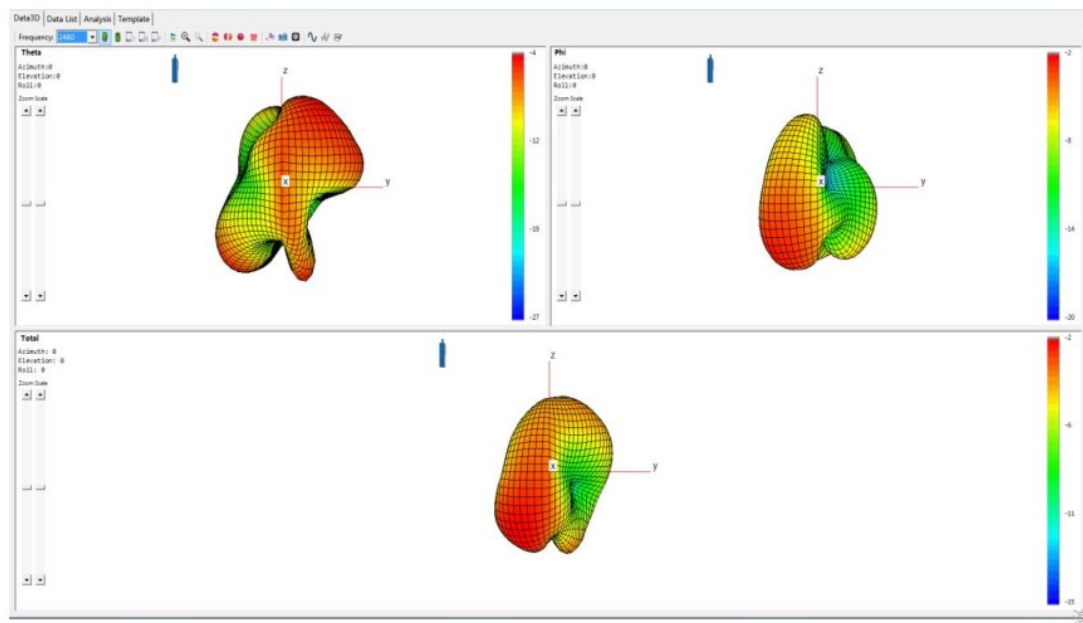
Apple figure--Right

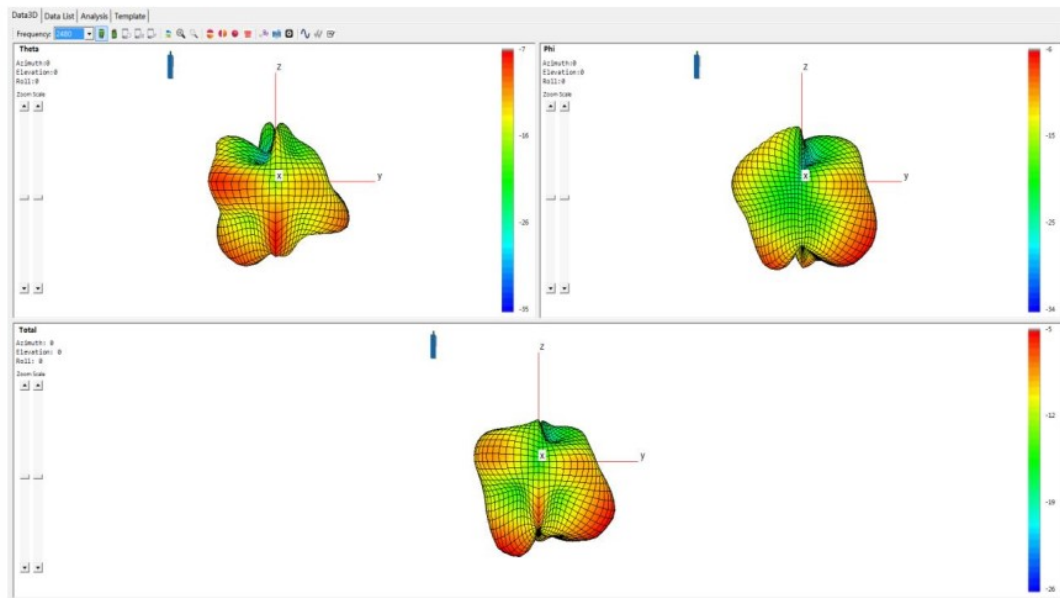


2400MHz



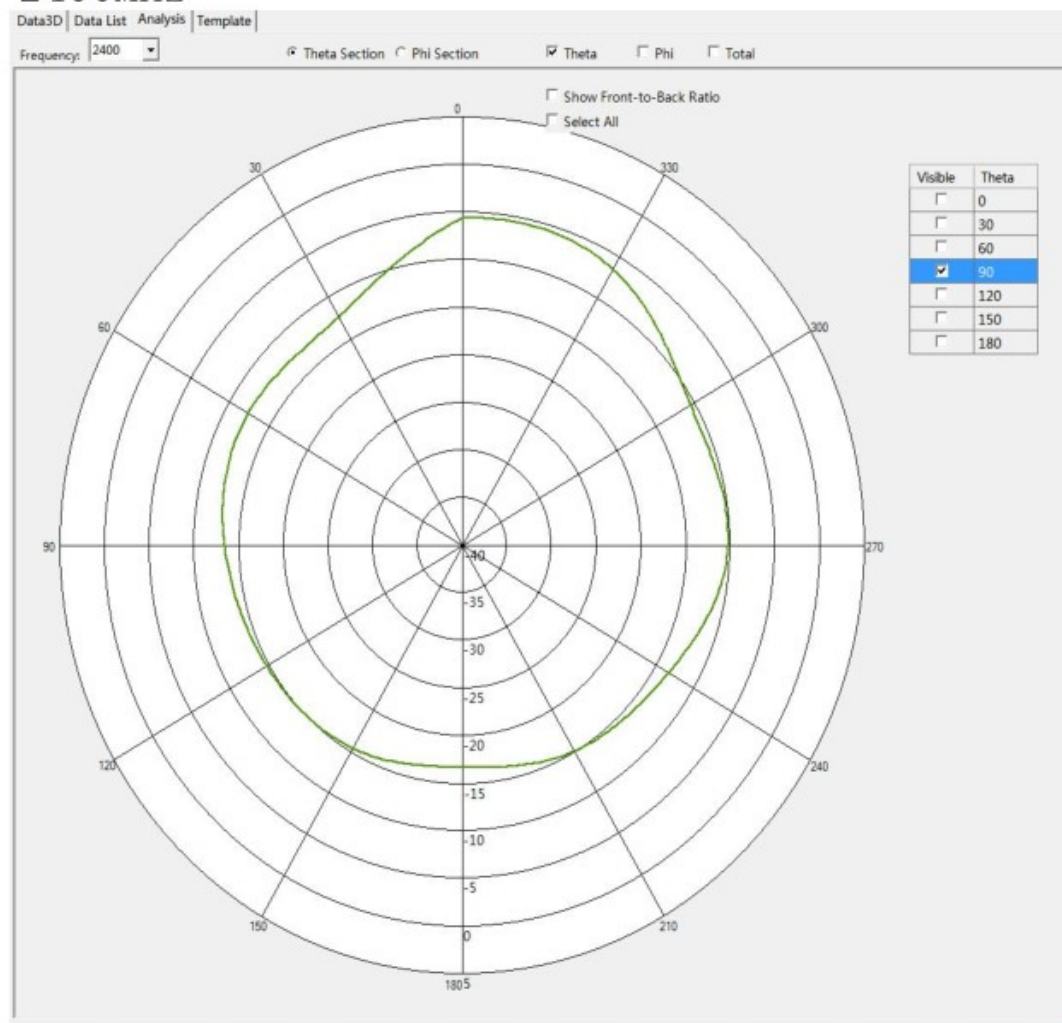
2480MHz



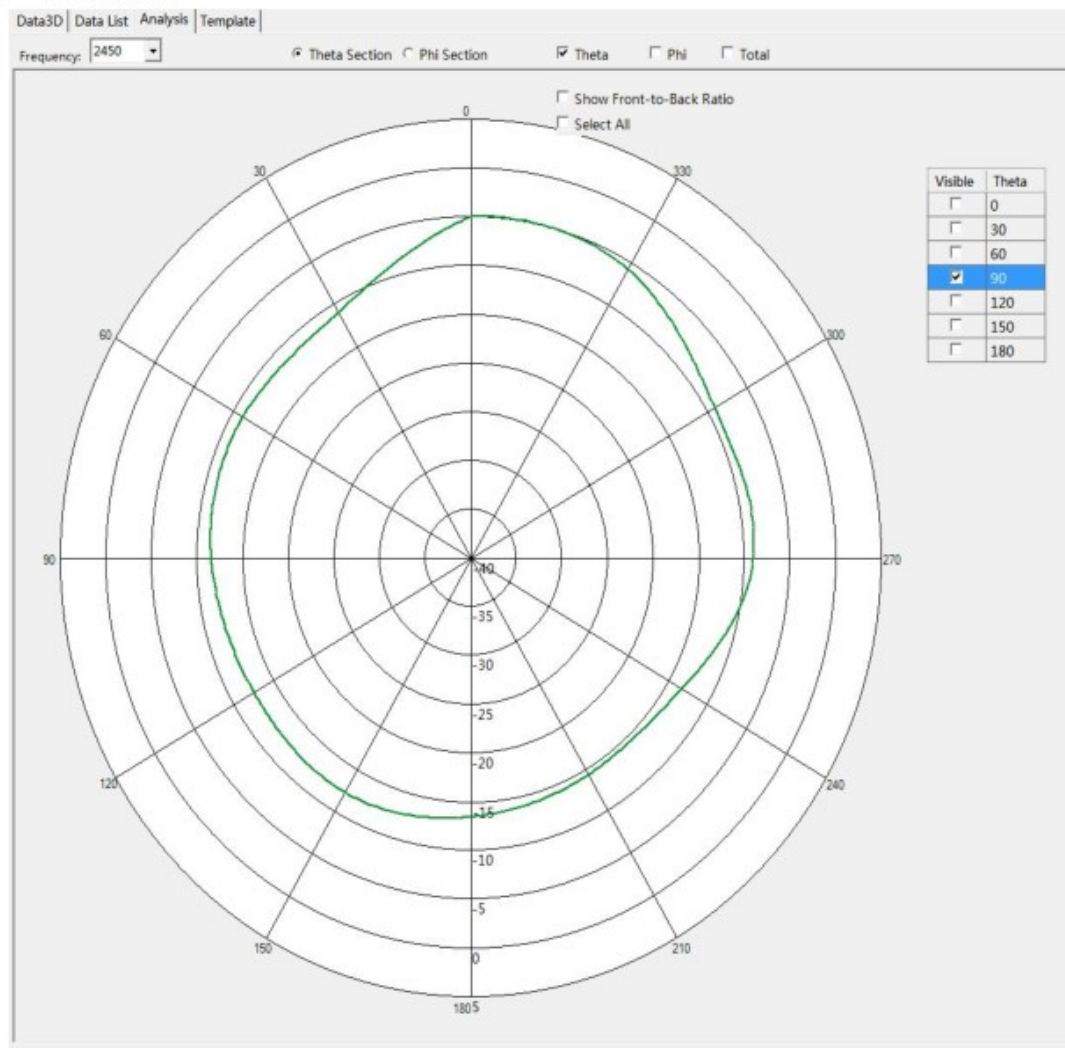


The direction of figure--left

2400MHz

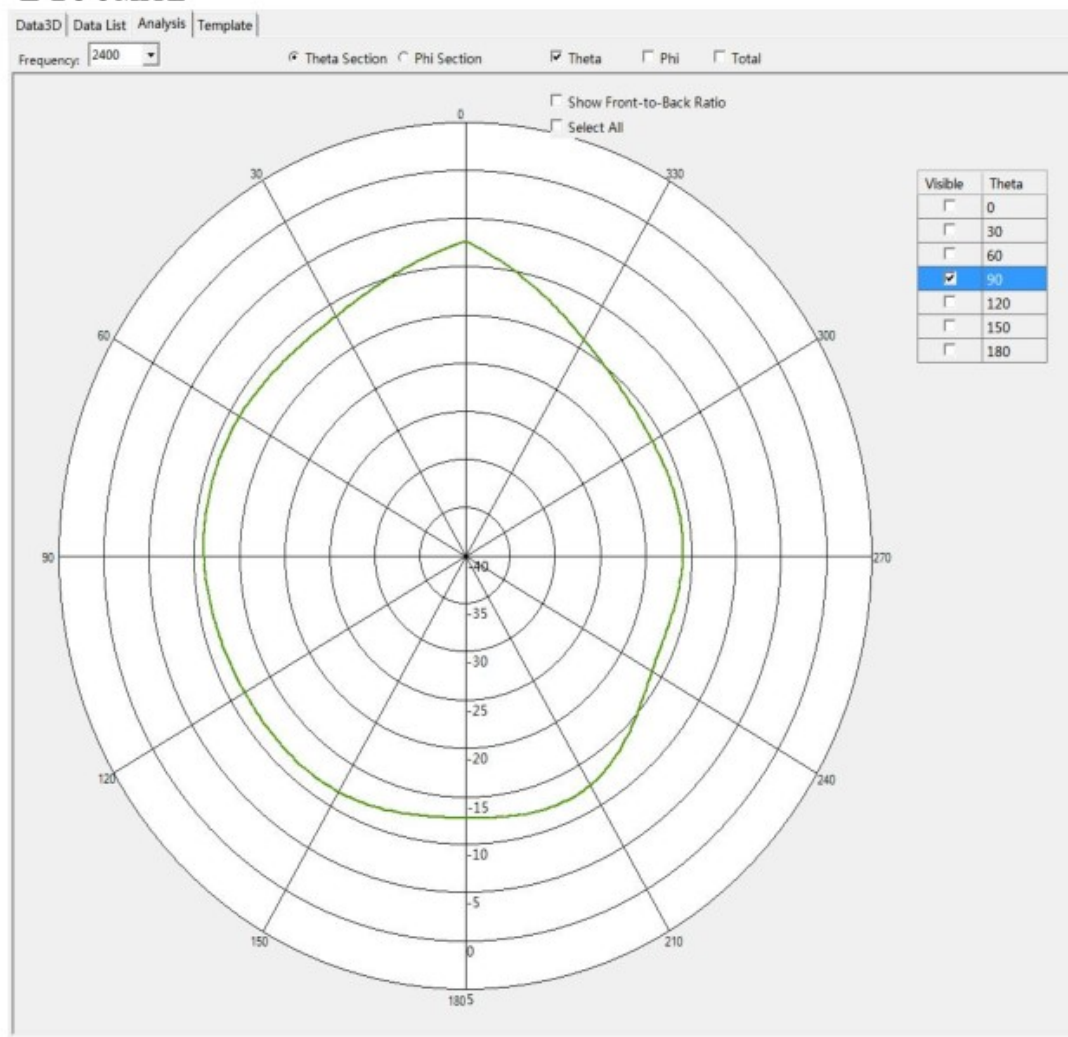


2450MHz

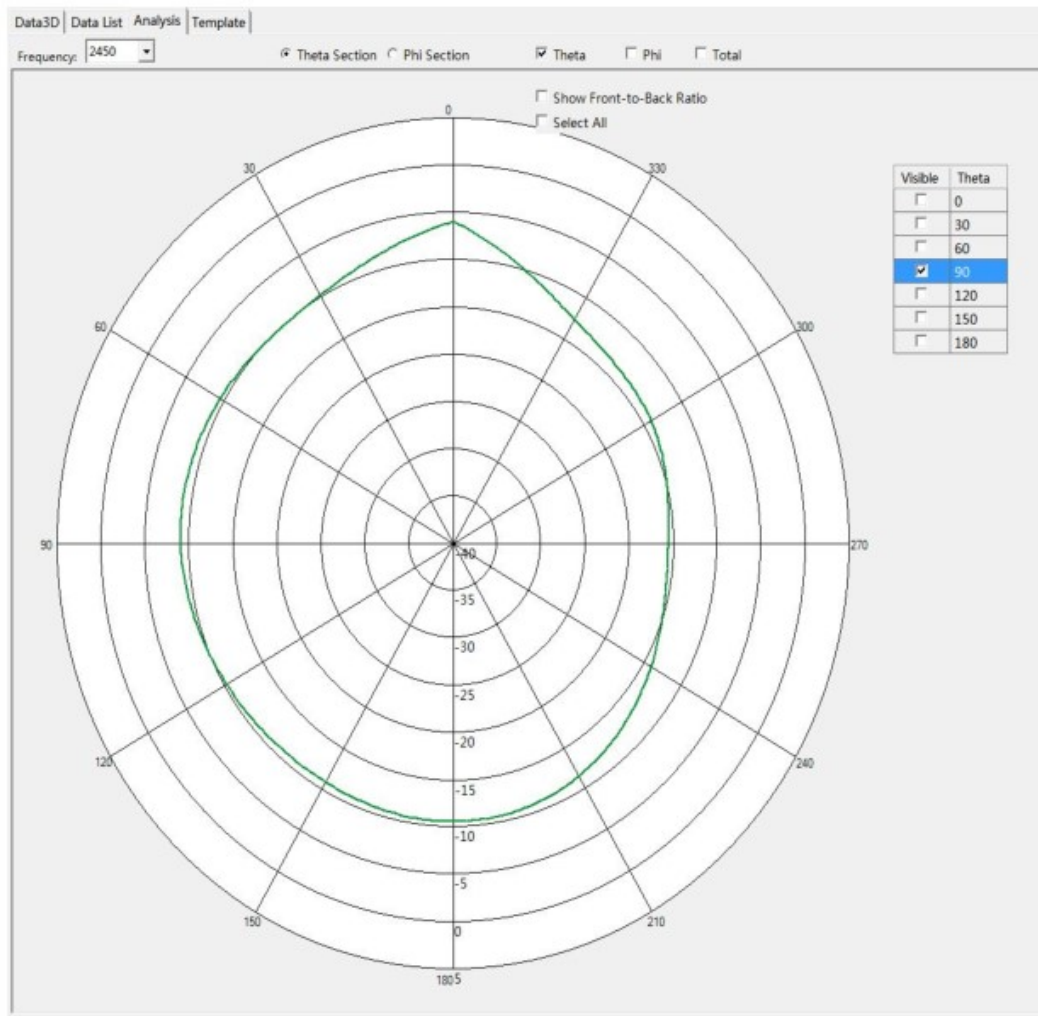


The direction of figure--Right

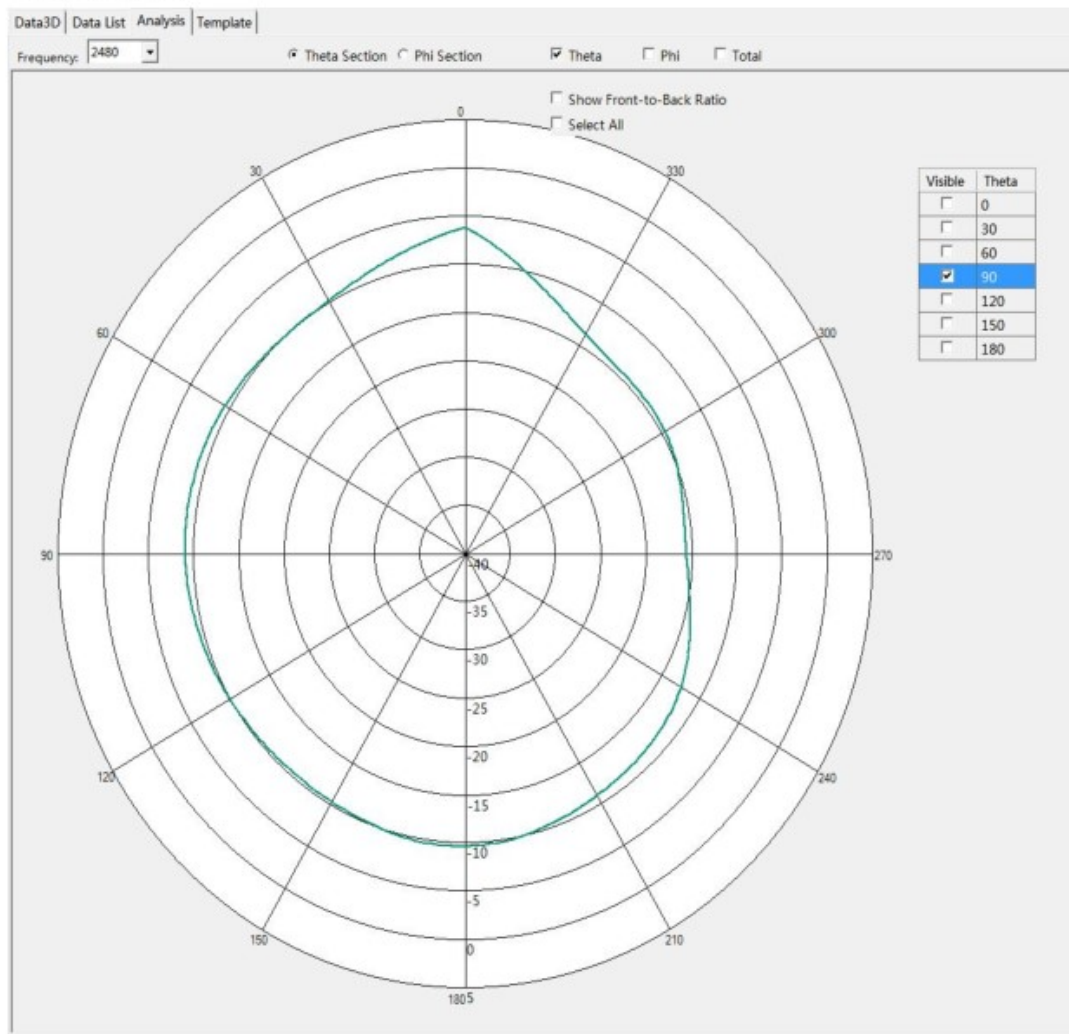
2400MHz



2450MHz



2480MHz



2480MHz

