

Antenna Report

Manufacturer: Shanghai Deman Electronics Technology Co., Ltd.

Address: No.3 factory building, No.1259, Bin'an Road, Zhuangqiao Town, Minhang District,
Shanghai City (Headquarters) .

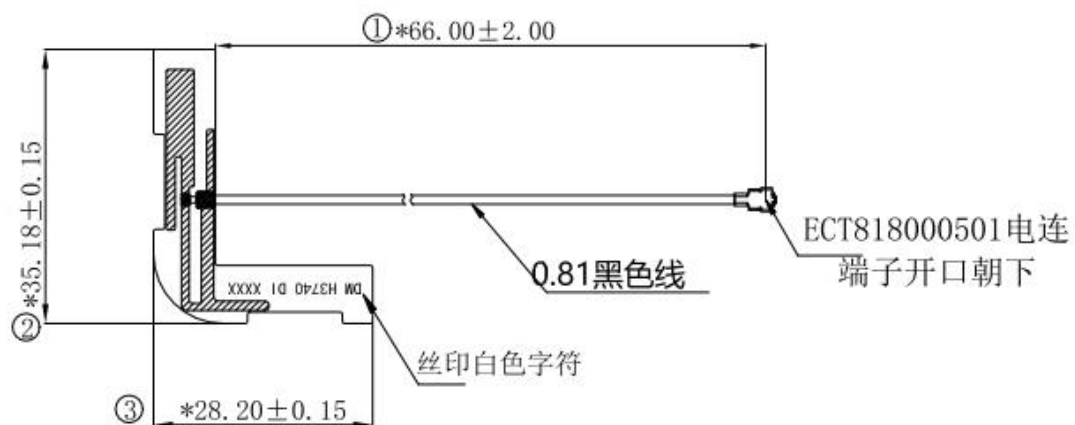
Model Name: DM H3740 DI XXXX

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)

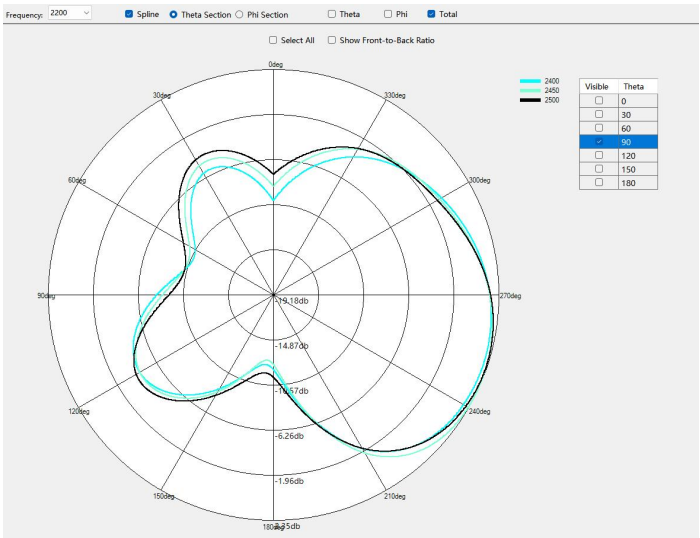
Antenna passive gain and efficiency:

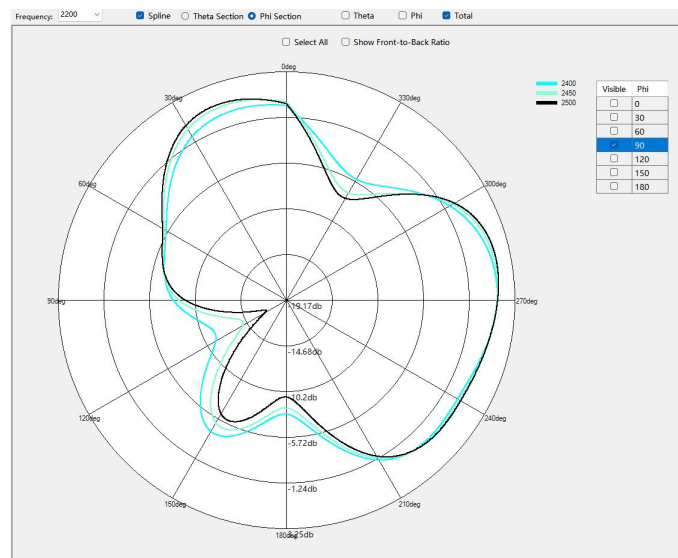
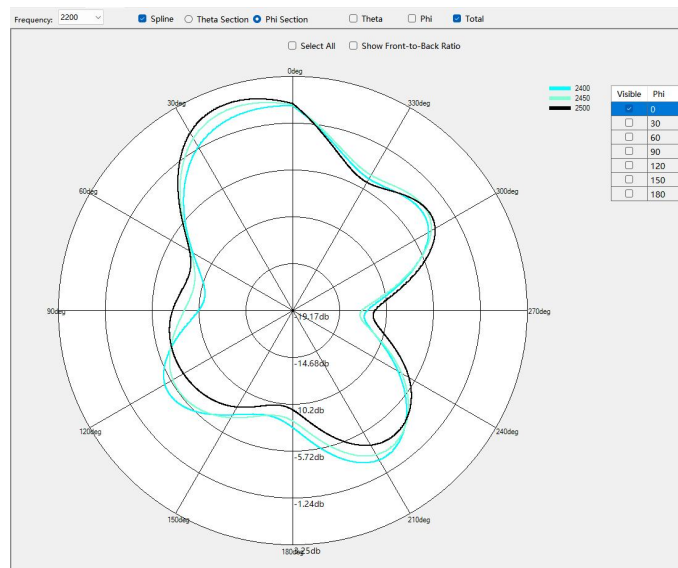
Metal:

金属边框-效率							
Frequency	Efficiency(dB)	Gain(dBi)	Efficiency	Frequency	Efficiency(dB)	Gain(dBi)	Efficiency
2400	-5.39	-0.06	27.75	5150	-5.15	1.91	27.2
2410	-5.22	0.28	26.79	5170	-5.31	1.84	26.27
2420	-5.22	0.39	26.77	5190	-5.31	1.87	26.23
2430	-5.11	0.59	27.47	5210	-5.3	1.89	26.28
2440	-4.97	0.79	28.39	5230	-5.5	1.85	25.15
2450	-4.94	0.89	28.57	5250	-5.64	1.88	24.3
2460	-4.82	0.99	29.39	5270	-5.86	1.78	23.1
2470	-4.76	1.03	29.8	5290	-5.81	2.03	23.37
2480	-4.85	0.84	29.16	5310	-5.92	2.05	22.82
2490	-5.11	0.53	27.45	5330	-6.21	1.78	21.34
2500	-5.39	0.17	25.77	5350	-5.66	2.28	24.21
				5370	-5.83	2.14	23.26
				5390	-5.66	2.34	24.21
				5410	-5.28	2.99	26.44
				5430	-5.76	2.68	23.64
				5450	-5.27	3.26	26.49
				5470	-5.51	3.01	25.06
				5490	-5.56	2.8	24.79
				5510	-5.15	3	27.25
				5530	-5.56	2.59	24.75
				5550	-5.18	2.91	27.03
				5570	-5.08	2.97	27.68
				5590	-5.25	2.71	26.6
				5610	-4.94	2.88	28.56
				5630	-5.07	2.51	27.73
				5650	-5.17	2.26	27.12
				5670	-4.92	2.38	28.68
				5690	-5.43	1.73	25.54
				5710	-5.48	1.43	25.21
				5730	-5.49	1.21	25.15
				5750	-5.72	0.88	23.87
				5770	-5.57	0.94	24.73
				5790	-5.7	0.74	23.97
				5810	-5.62	0.86	24.46
				5830	-5.54	0.93	24.86
				5850	-5.53	0.93	24.97

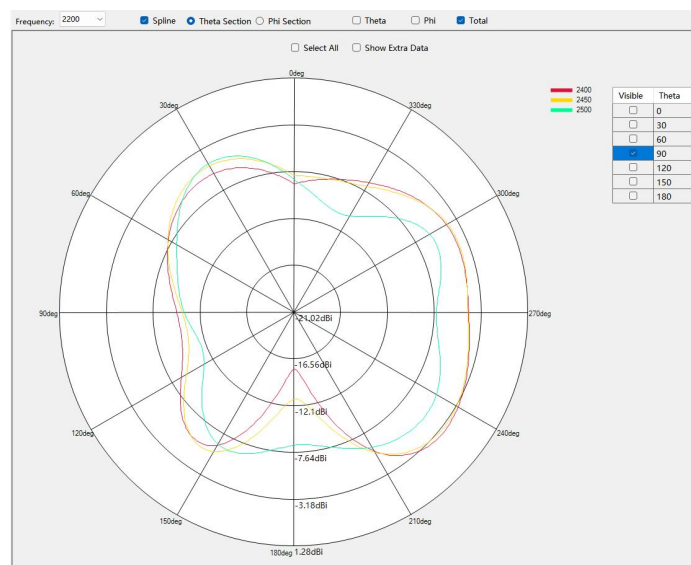
2D diagram of antenna radiation——2.4G

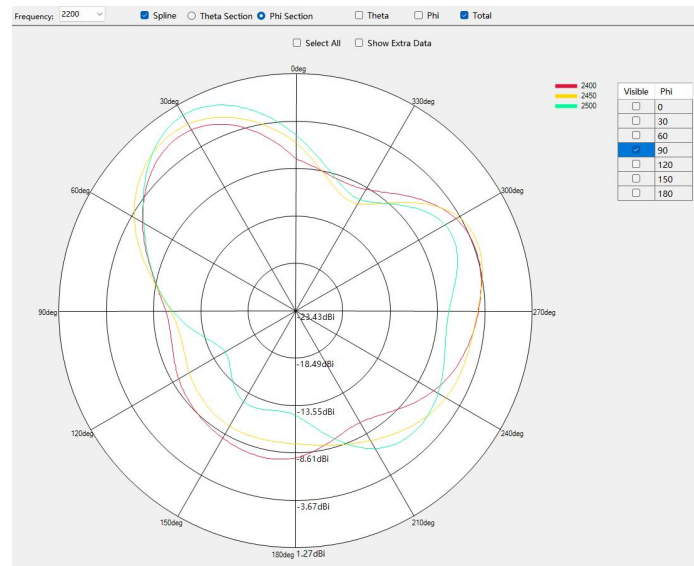
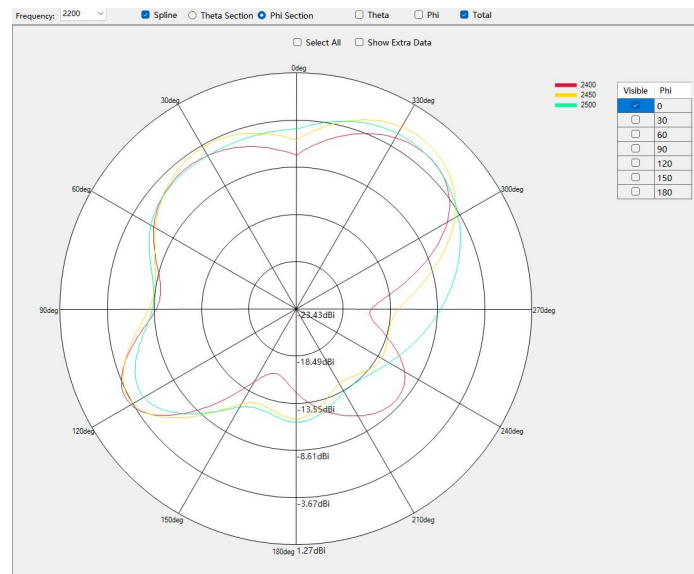
Plastic:





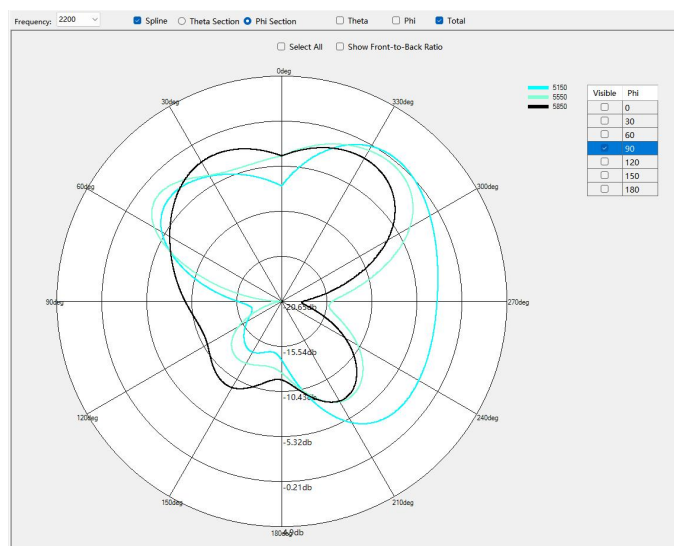
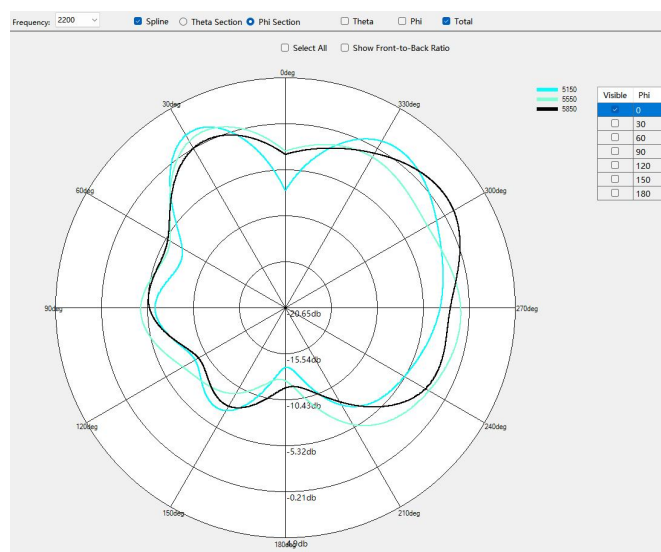
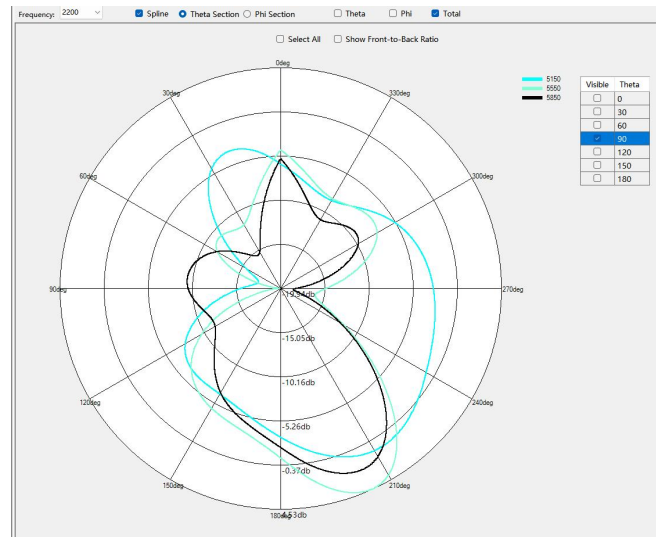
Metal:



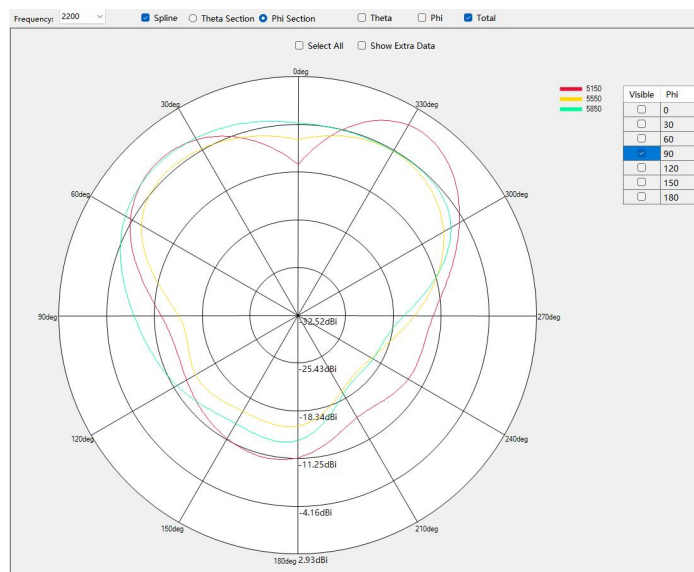
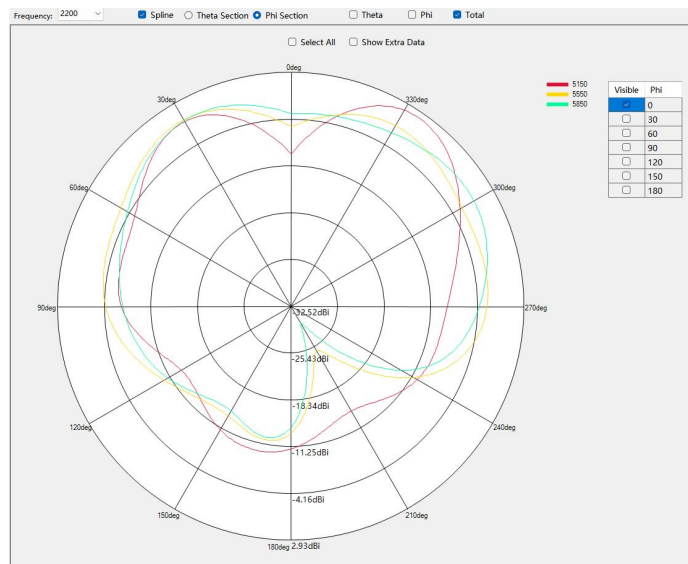
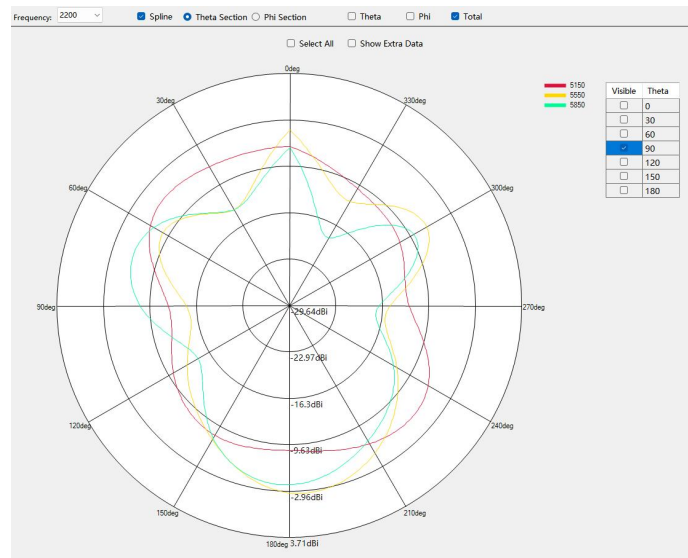


2D diagram of antenna radiation——5G

Plastic:

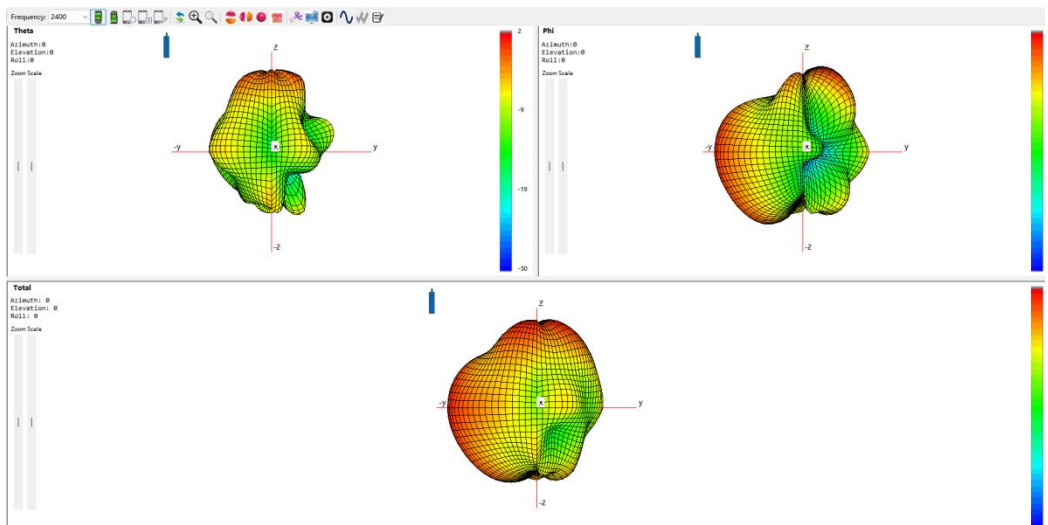


Metal:

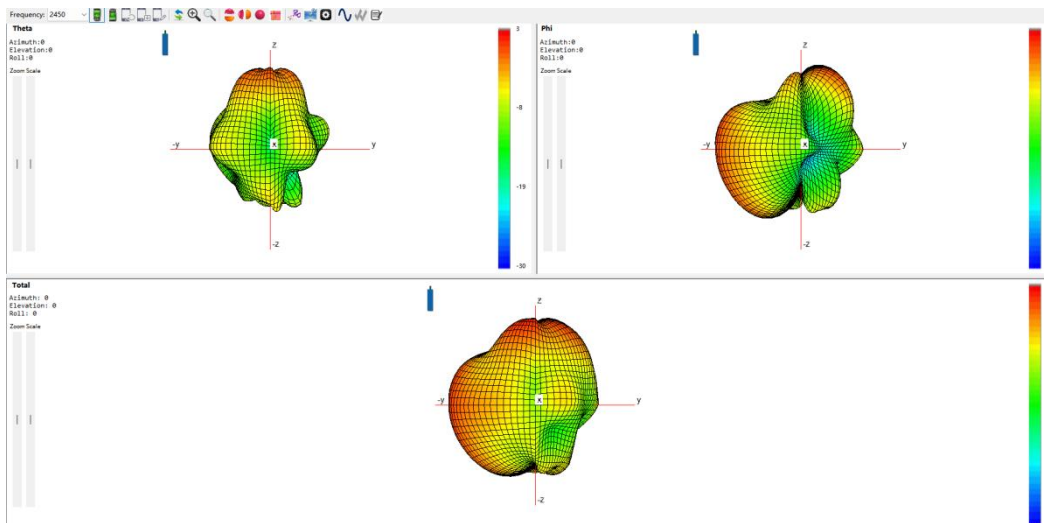


3D diagram of antenna radiation (plastic):

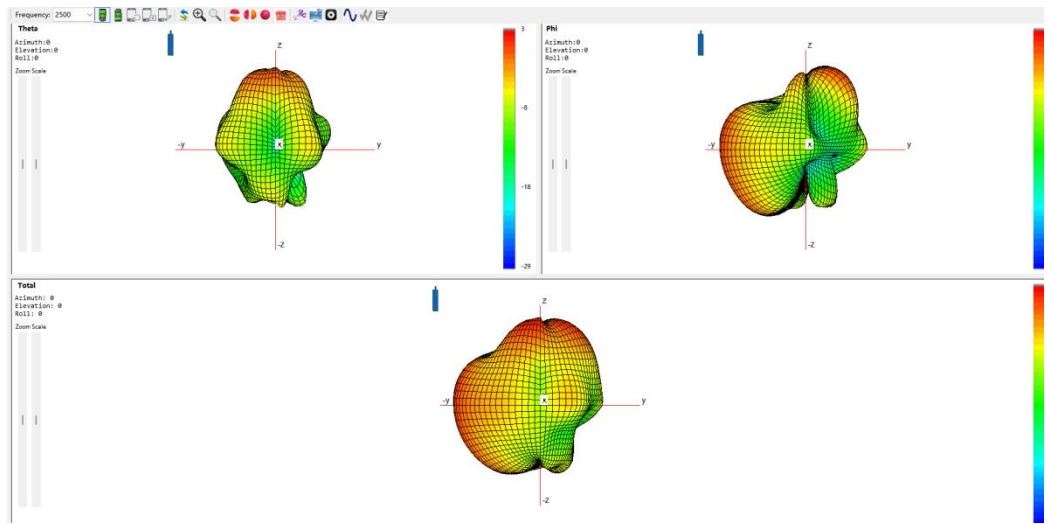
2.4GHz:



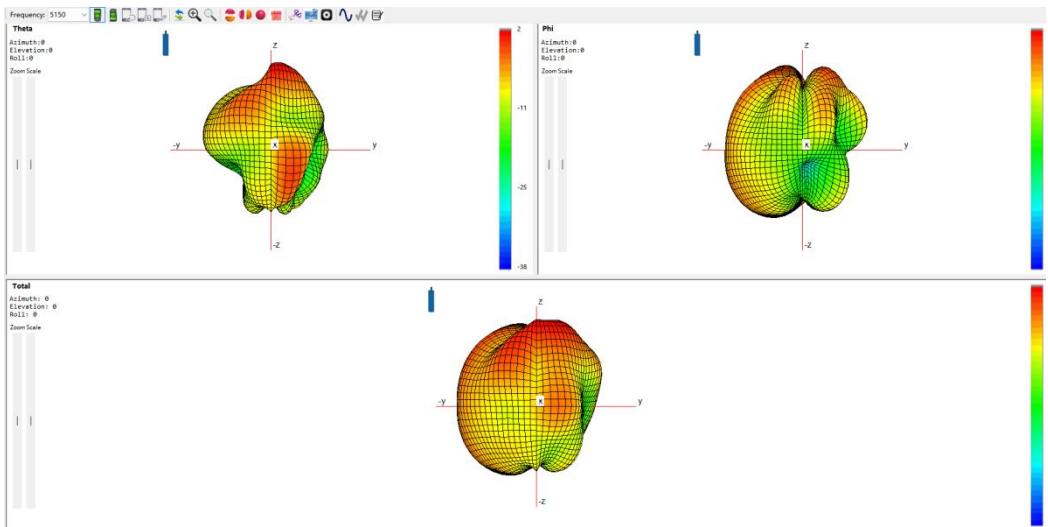
2.45GHz:



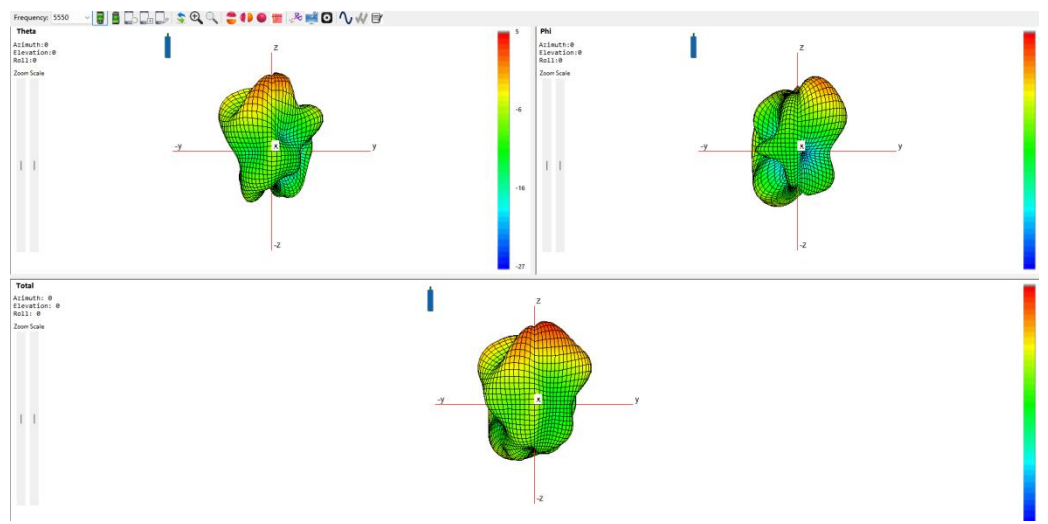
2.5GHz:



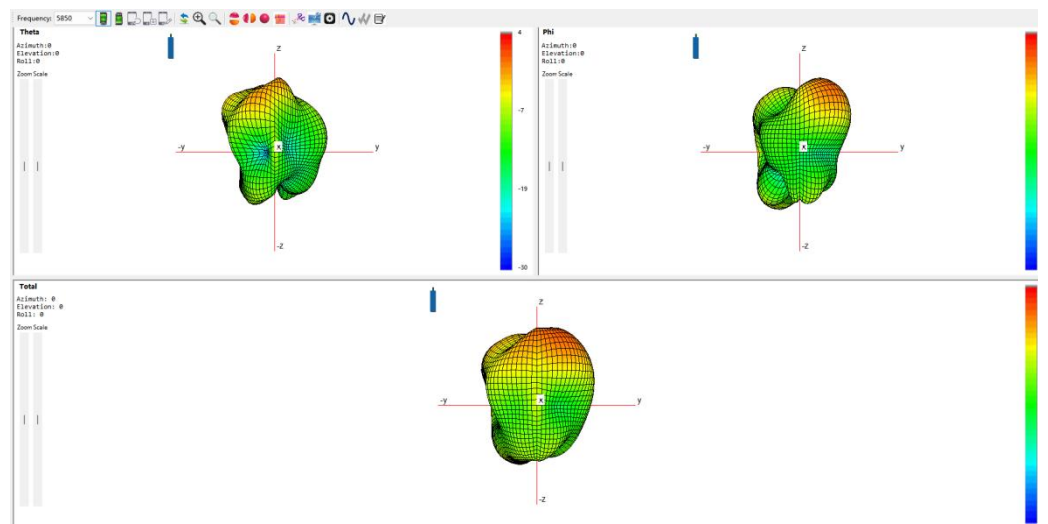
5.15GHz:



5.55GHz:

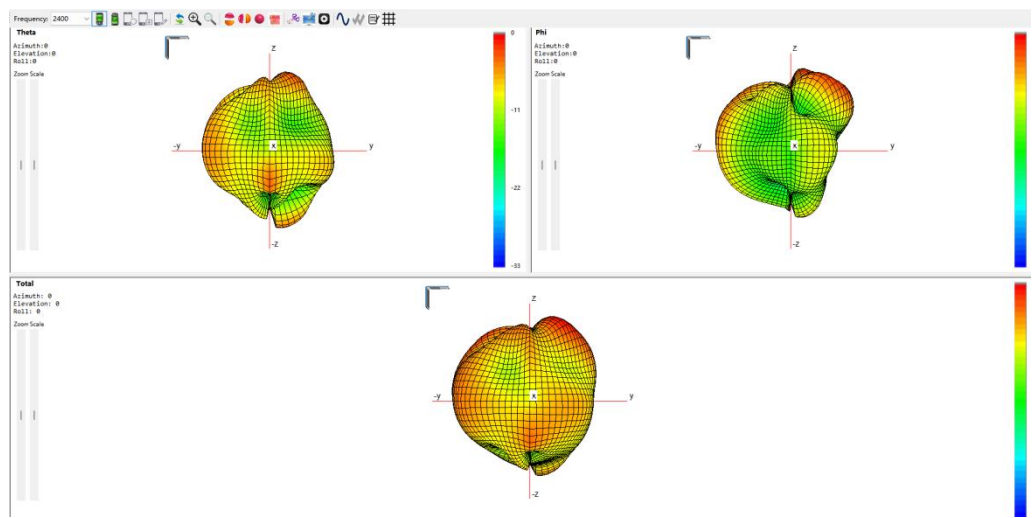


5.85GHz:

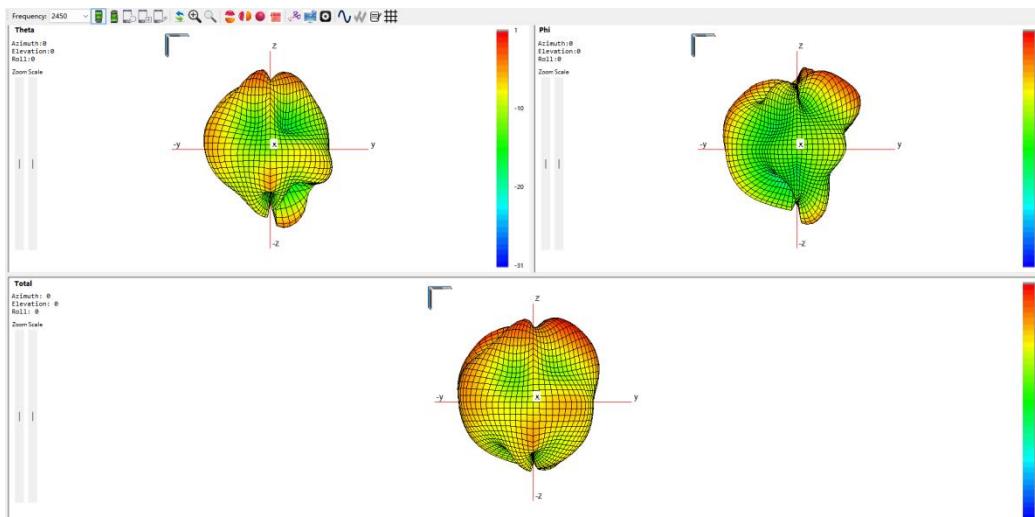


3D diagram of antenna radiation (metal):

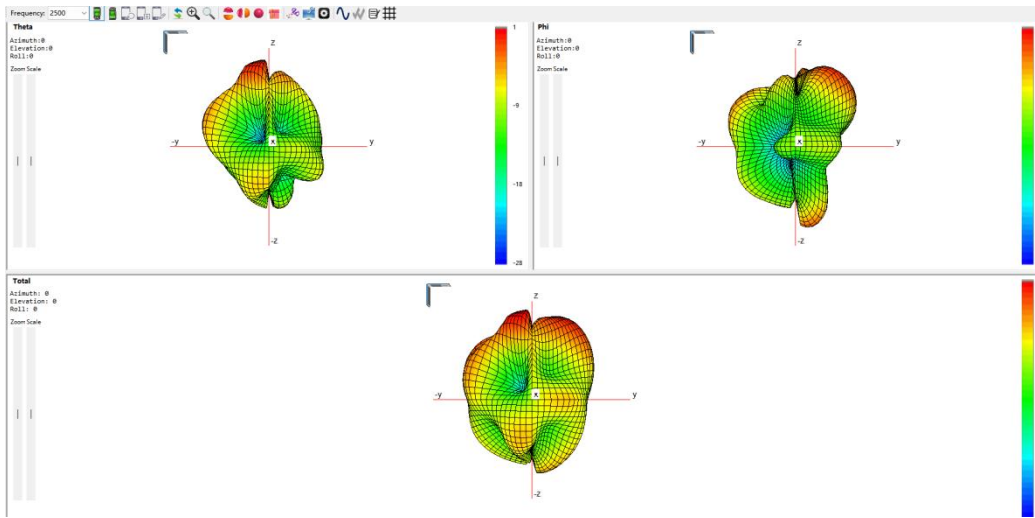
2.4GHz:



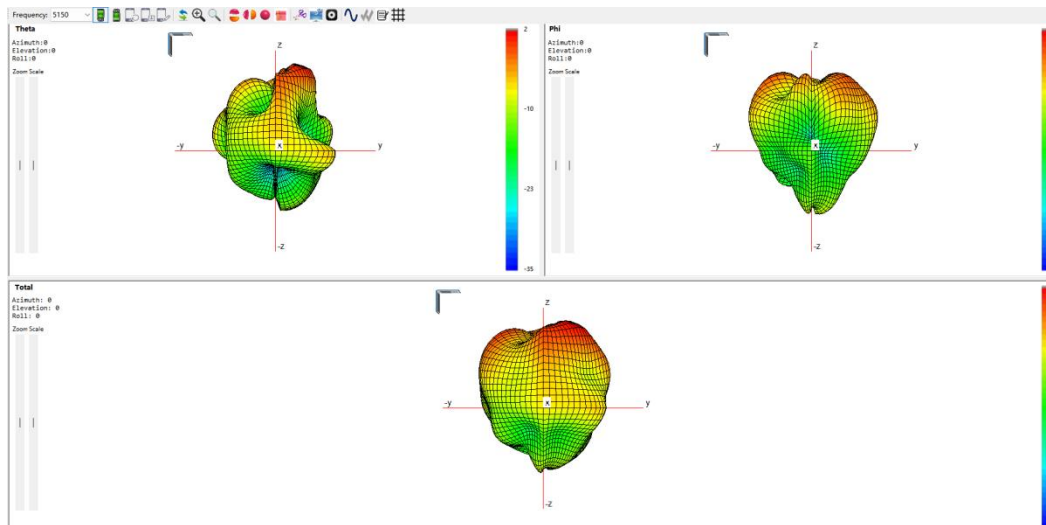
2.45GHz:



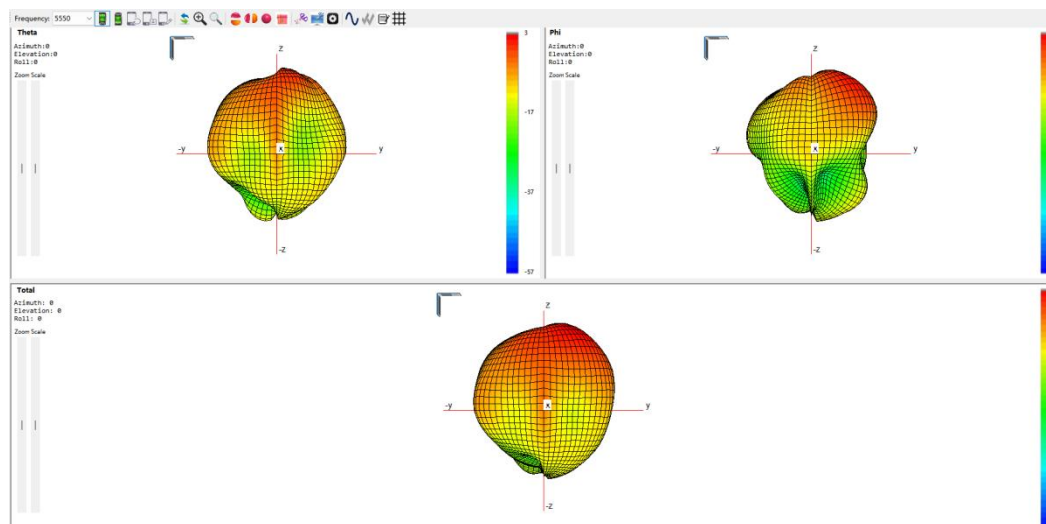
2.5GHz:



5.15GHz:



5.55GHz:



5.85GHz:

