

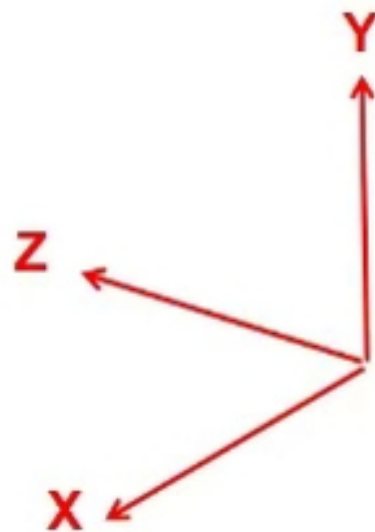
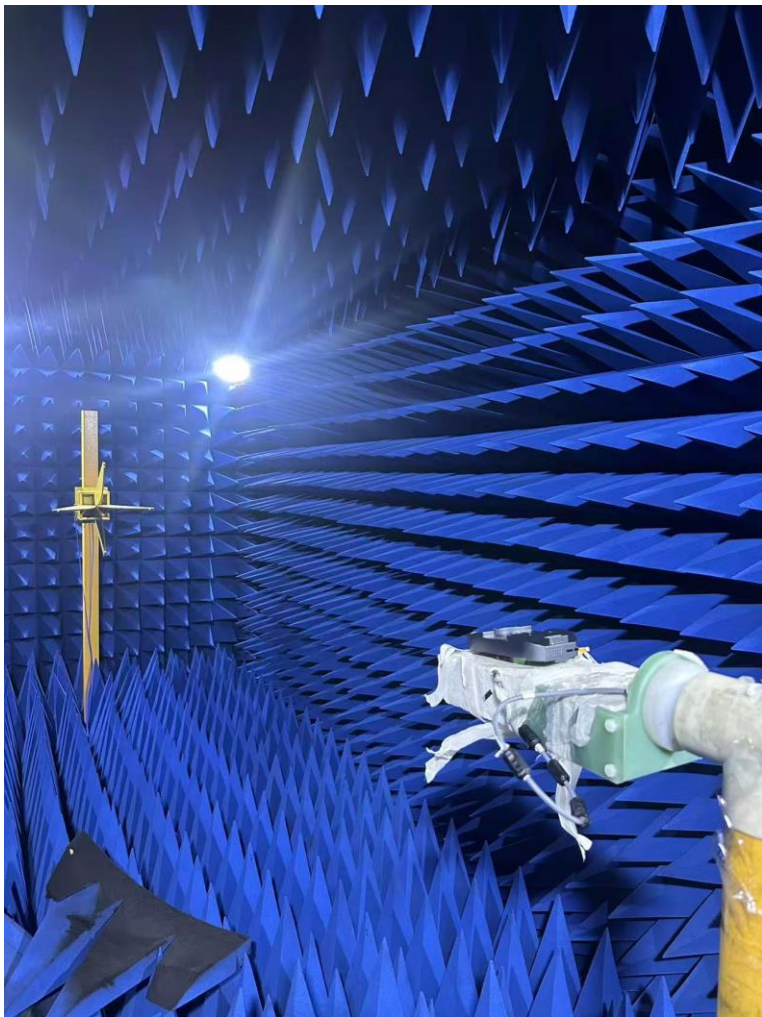


G2



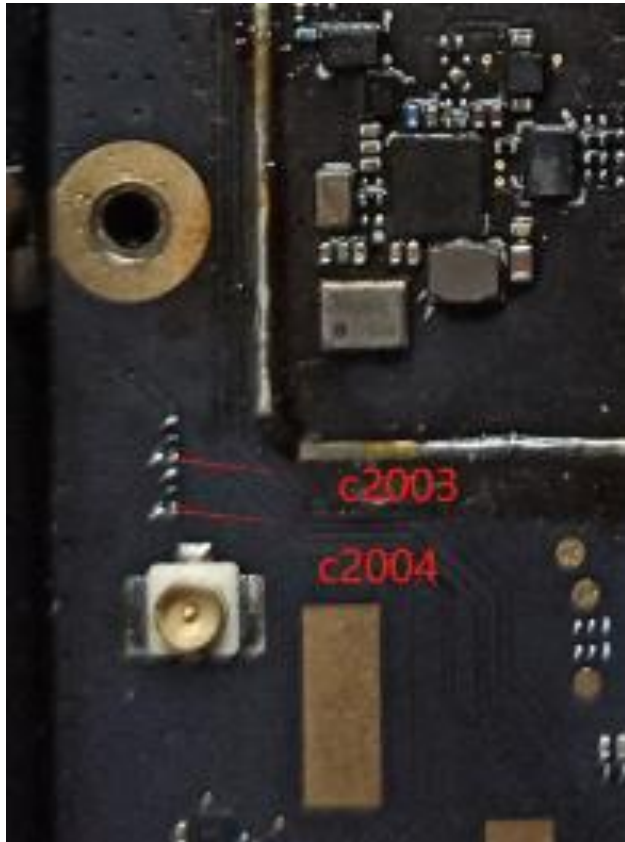


自由空间测试环境Free space testing environment

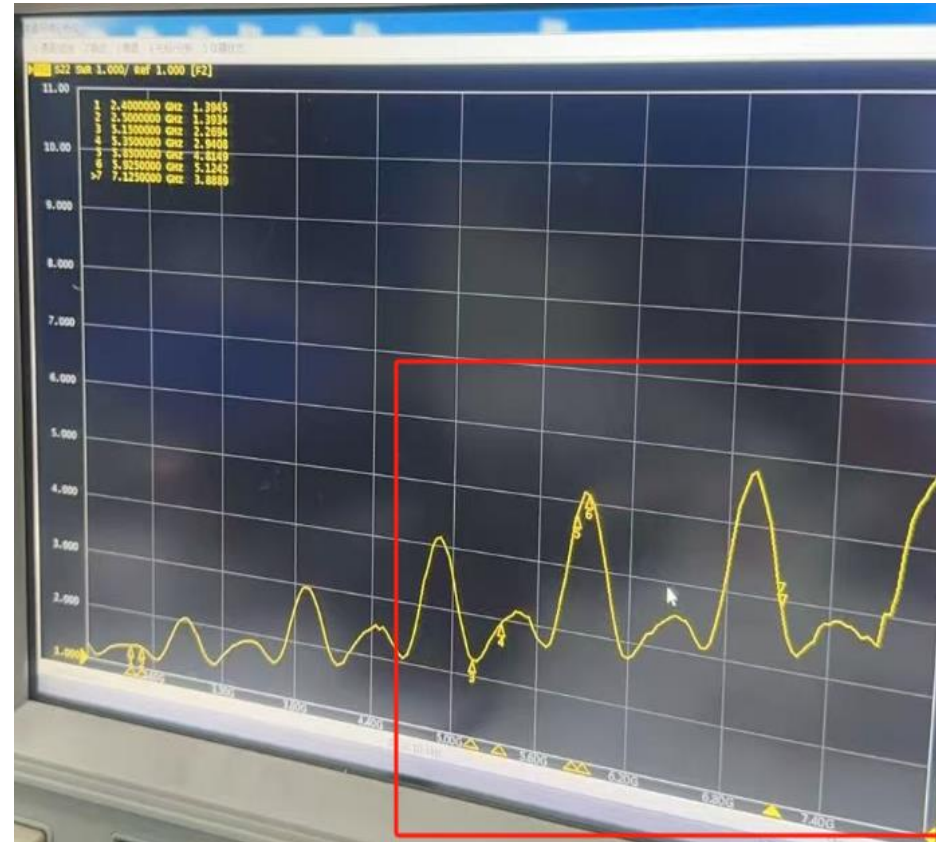




WIFI匹配电路WIFI matching circuit



C2003 C2004 NC



5Gwifi板端阻抗未作好
The impedance at the 5G wifi
board end is not properly
configured



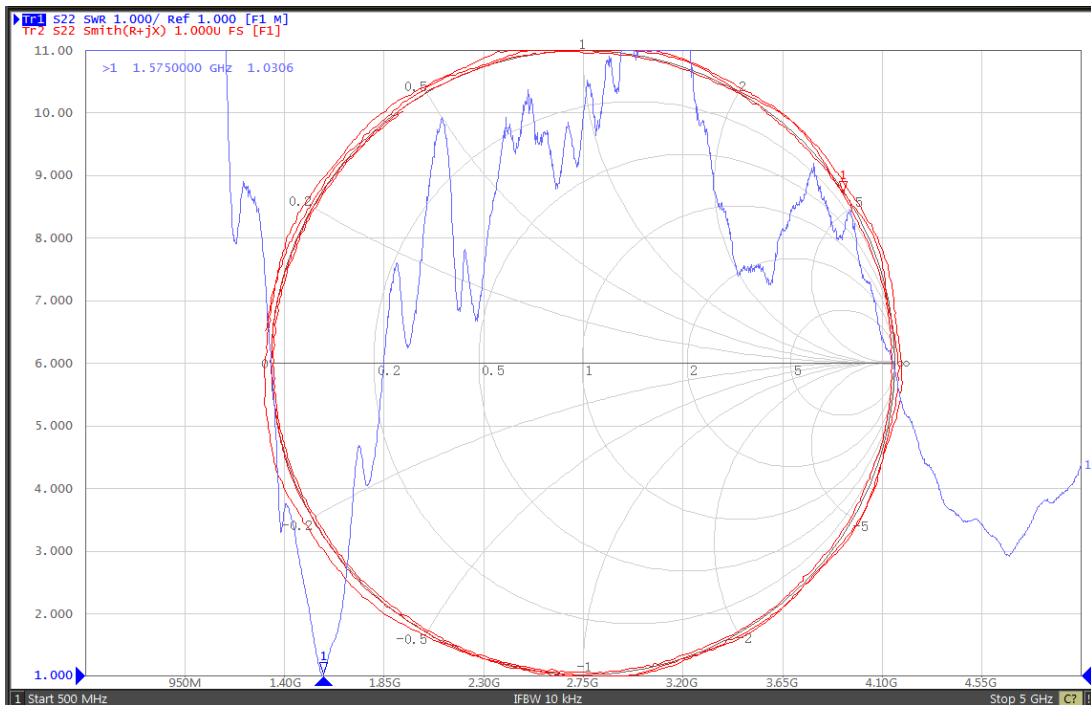
WIFI天线装配位置WIFI antenna assembly location



WIFI天线装配红框位置 (WIFI antenna assembly red box position)



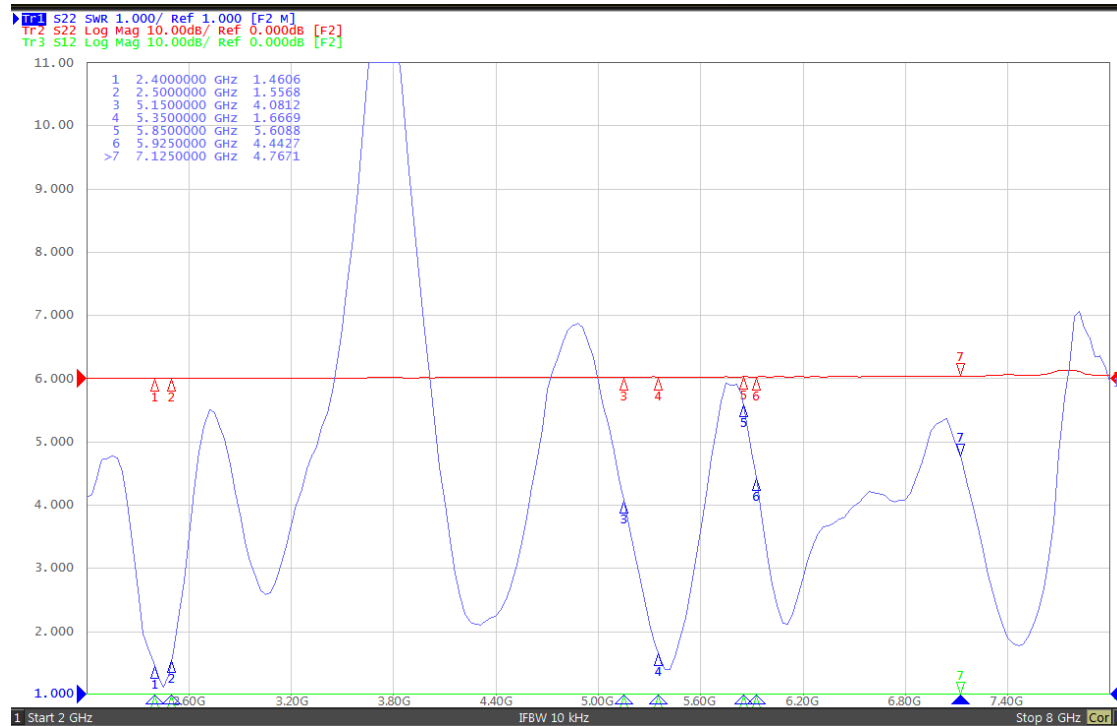
GPS天线-性能 (GPS Antenna - Performance)



频率 frequency (MHz)	效率 efficiency (%)	效率 efficiency (dB)	增益gain (dBi)
1575	45.50%	-3.72	1.16
1595	39.50%	-4.03	1.06
1615	31.00%	-5.08	-0.34
1635	19.70%	-7.05	-2.15
1655	15.90%	-7.97	-2.84
1675	10.30%	-9.85	-4.81



WIFI天线-性能 (WIFI Antenna - Performance)

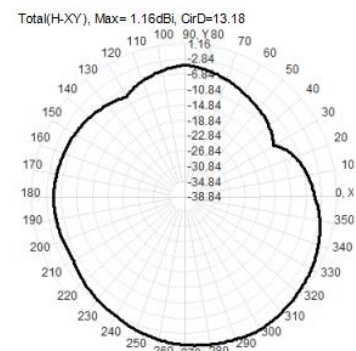
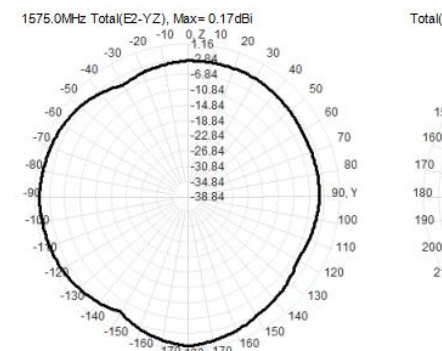
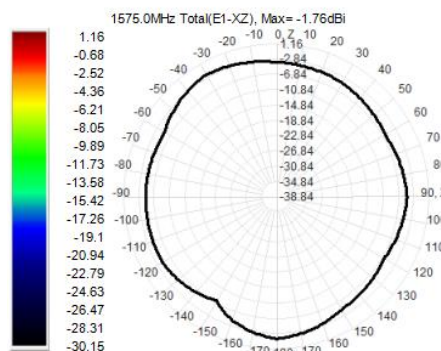
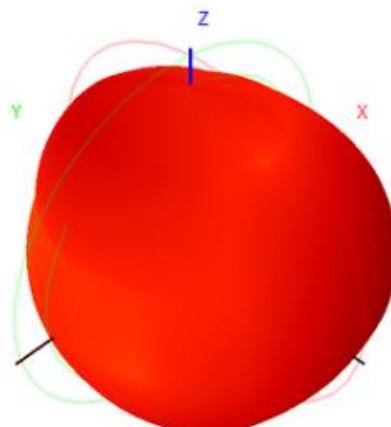
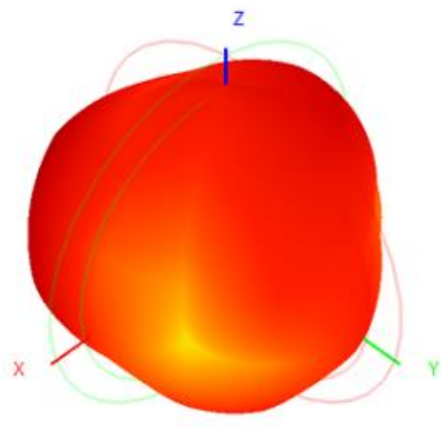


频率 frequency (MHz)	效率 efficiency (%)	效率 efficiency (dB)	增益 gain (dBi)
2400	46.60%	-3.32	1.33
2420	45.70%	-3.8	0.73
2440	45.30%	-3.95	0.8
2460	49.90%	-3.02	1.9
2480	48.50%	-3.14	1.78
2500	47.20%	-3.26	1.5
AVE	47.20%	-3.42	1.34
5150	23.20%	-6.35	-1.06
5250	27.80%	-5.55	-0.56
5350	39.10%	-4.08	0.36
5450	37.30%	-4.28	0.32
5550	25.80%	-5.89	-1.34
5650	20.30%	-6.92	-2.18
5750	20.80%	-7.74	-2.74
5850	20.70%	-8.05	-2.62
AVE	26.88%	-6.11	-1.23



GPS方向图 (GPS directional map)

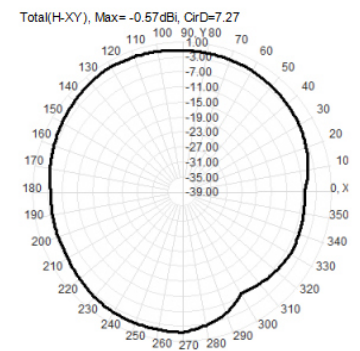
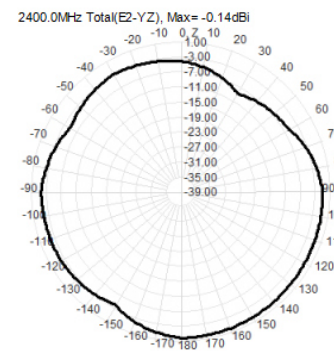
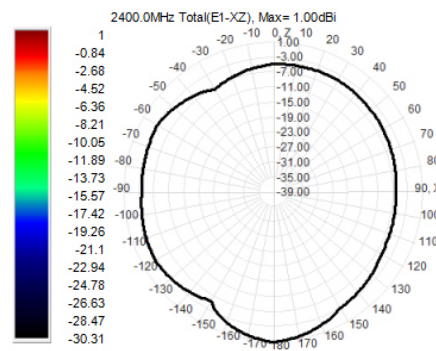
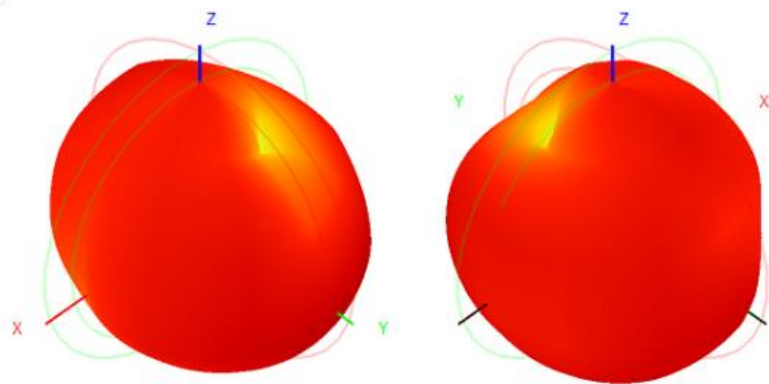
1575MHz



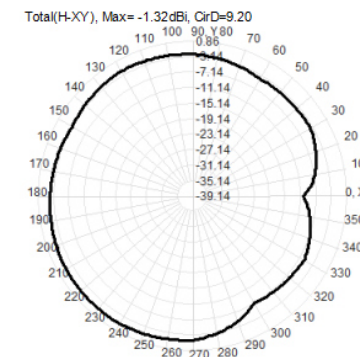
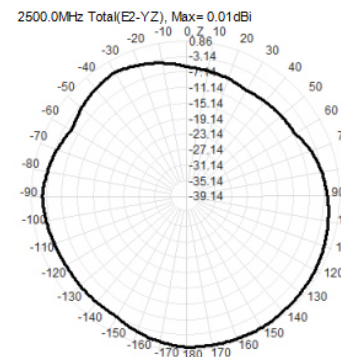
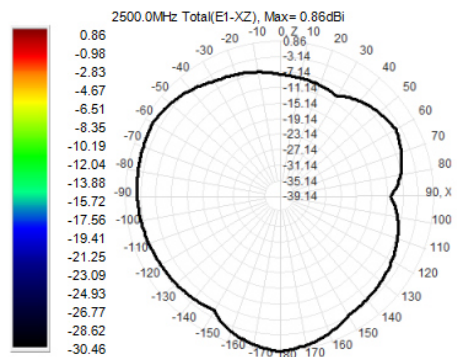
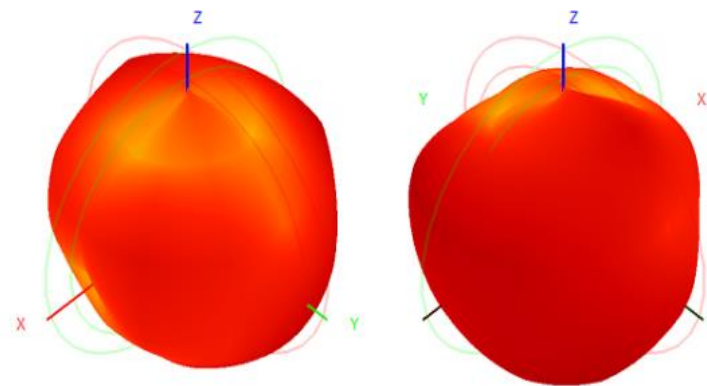


WIFI方向图 (WIFI directional map)

2400MHz



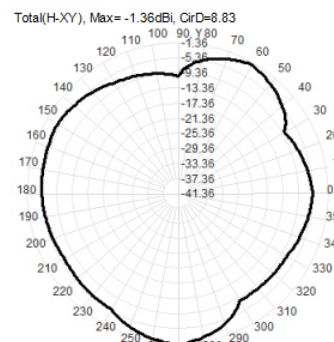
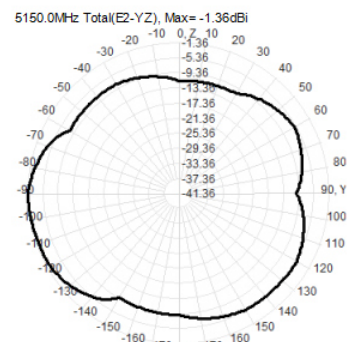
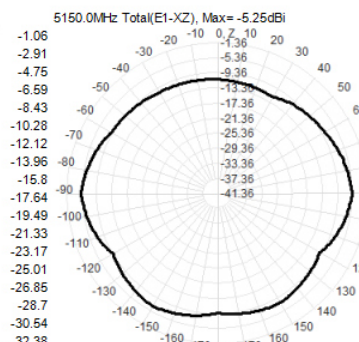
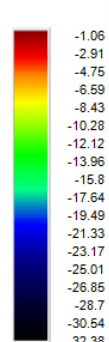
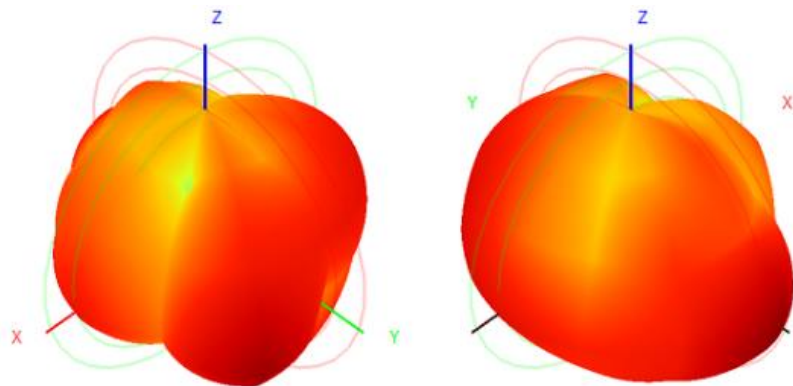
2500MHz



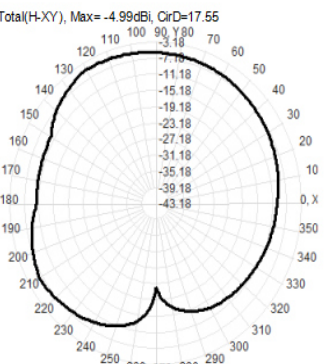
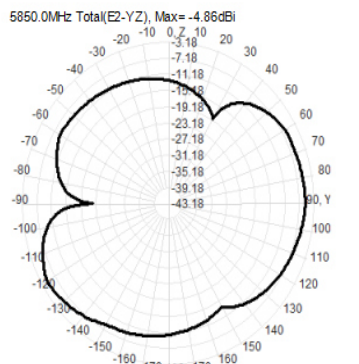
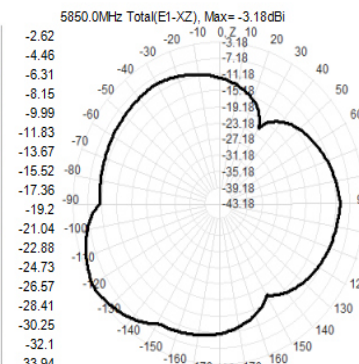
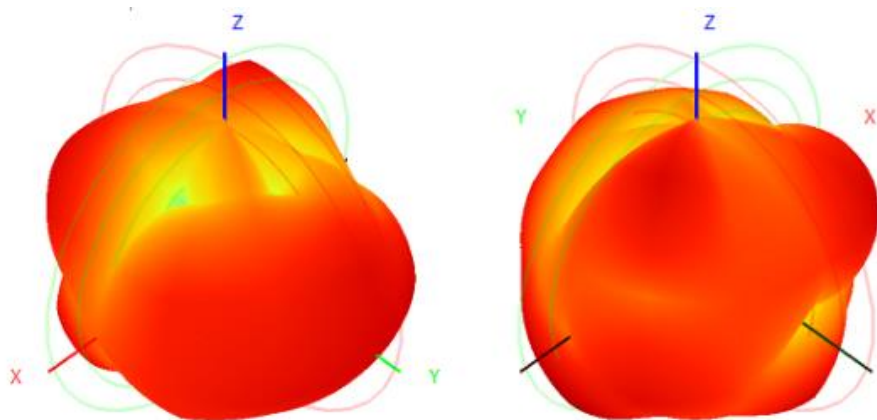


WIFI方向图 (WIFI directional map)

5150MHz



5850MHz





总结

一.WIFI匹配电路（WIFI matching circuit）：

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二.GPS 效率（efficiency） 45.50%， -3.72db

WIFI 2.4G 平均效率（Average Efficiency） 47.2%， -3.42db

WIFI 5.8G 平均效率（Average Efficiency） 26.88%， -6.11db

三.由于5G板端阻抗未做好，导致5G效率偏低（Due to inadequate impedance at the 5G board end, the efficiency of 5G is low）。



谢谢观看

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