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东莞市仁丰电子科技有限公司--研发部

1、项目信息

◆ 报告履历

版本	日期	变更内容
V1.0	2025-9-28	第一版报告

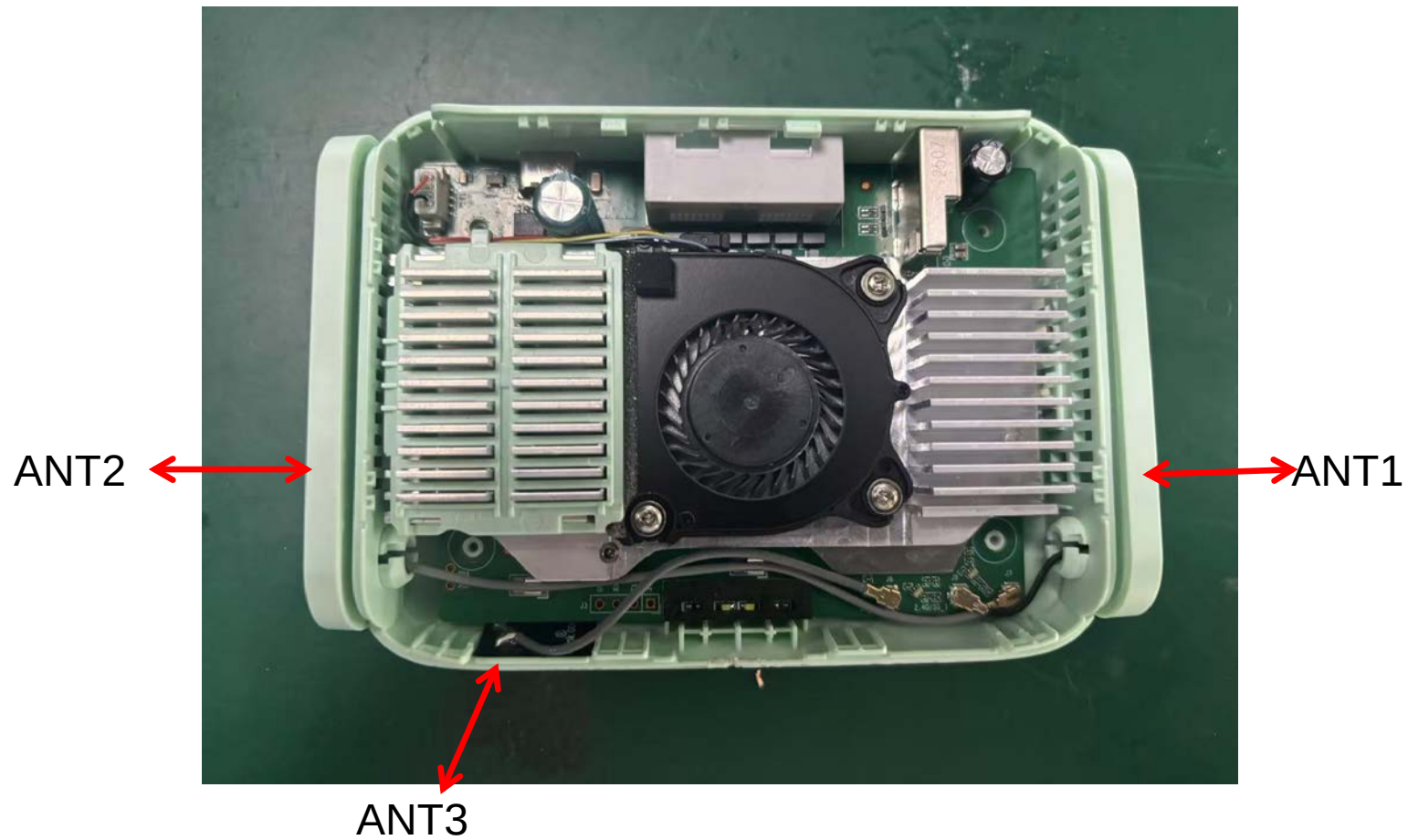
1、项目信息

◆ 基本信息（Project information）

客户名称：	广联
项目名称：	MT3600
天线结构：	PCB
天线规格：	WIFI2.4/5G
测试人员：	吴乐清
报告日期：	2025/09/28

2、天线位置图

◆ 天线位置图

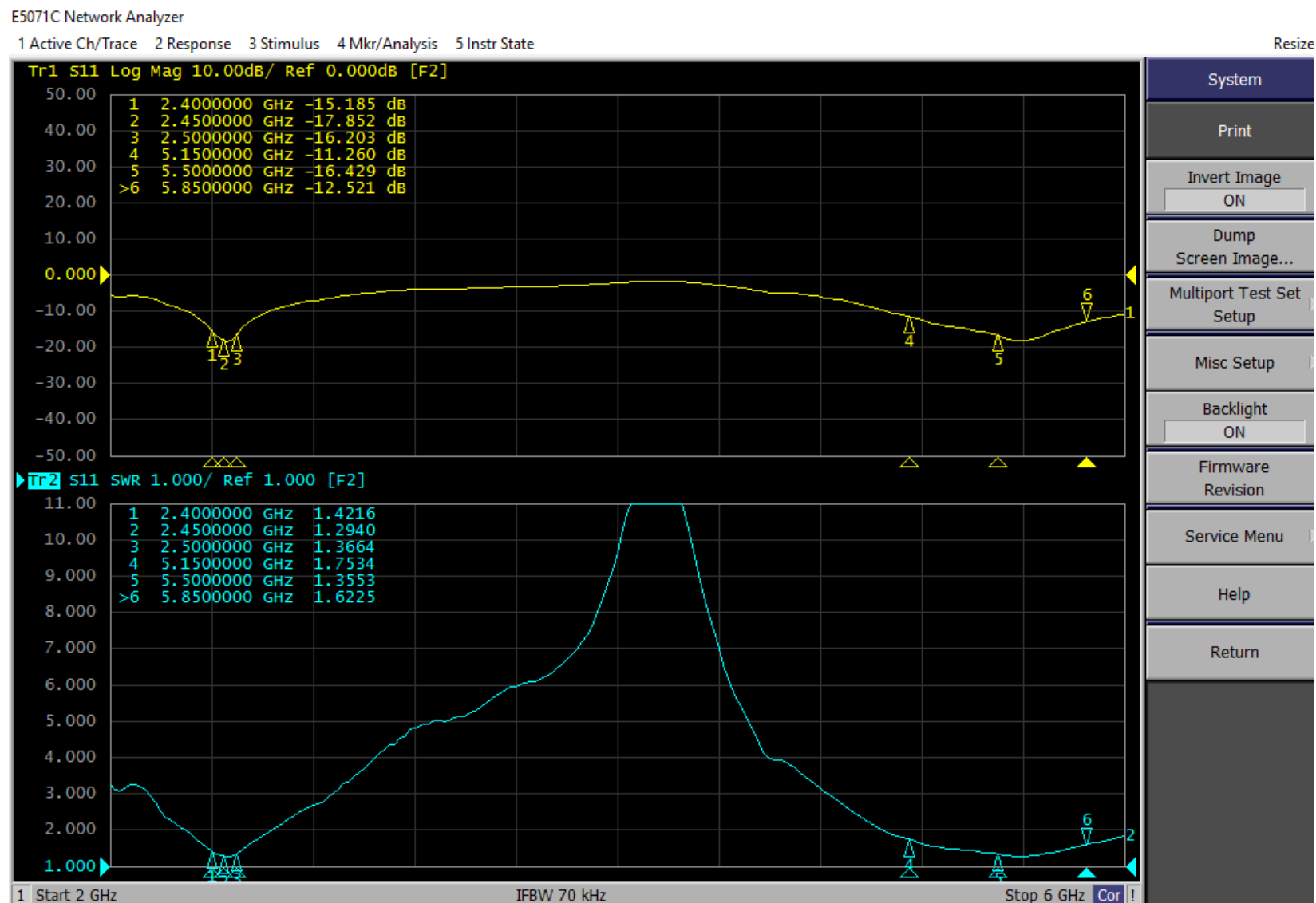


2、无源报告

◆ 反射参数S11

ANT-1

2.4/5G



2、无源报告

◆ 辐射参数表
ANT-1

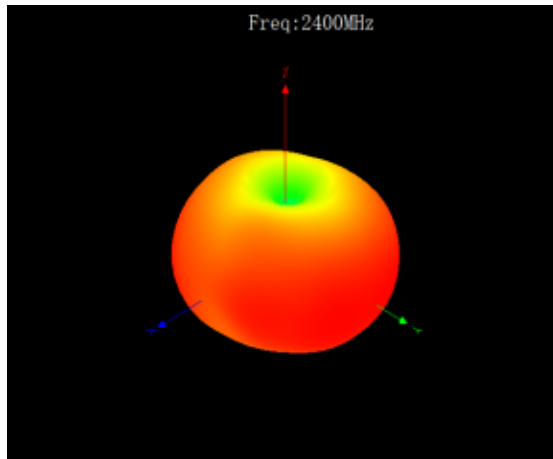
频率 / MHz	效率/ %	增益/ dBi
2400	73.65	2.53
2410	74.21	2.63
2420	76.55	2.62
2430	77.05	2.52
2440	78.14	2.52
2450	81.63	2.51
2460	82.19	2.54
2470	82.49	2.53
2480	83.27	2.53
2490	83.26	2.57
2500	81.37	2.57

频率 / MHz	效率/ %	增益/ dBi
5150	77.53	3.13
5200	83.38	3.11
5250	82.41	3.14
5300	81.16	3.12
5350	82.21	3.10
5400	85.41	3.12
5450	86.15	3.15
5500	83.61	3.18
5550	80.16	3.21
5600	82.28	3.27
5650	78.45	3.32
5700	80.24	3.31
5750	76.38	3.23
5800	78.28	3.27
5850	81.72	3.25

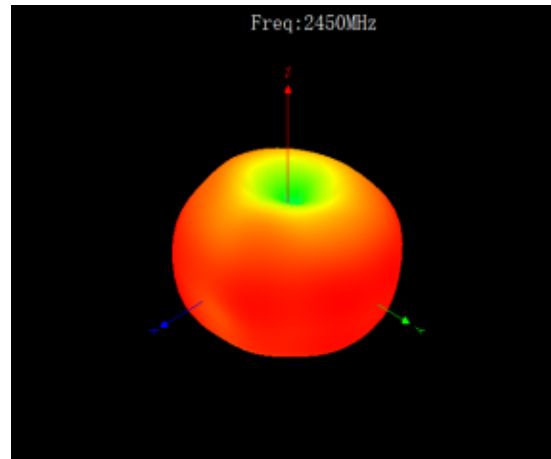
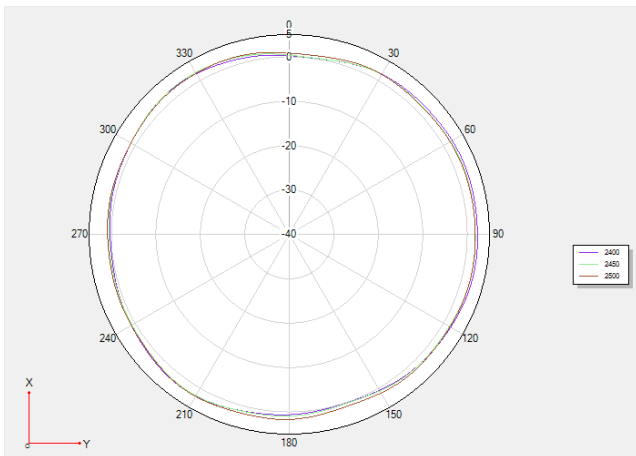
2、无源报告

◆ 辐射方向图 ANT-1 2.4GHz

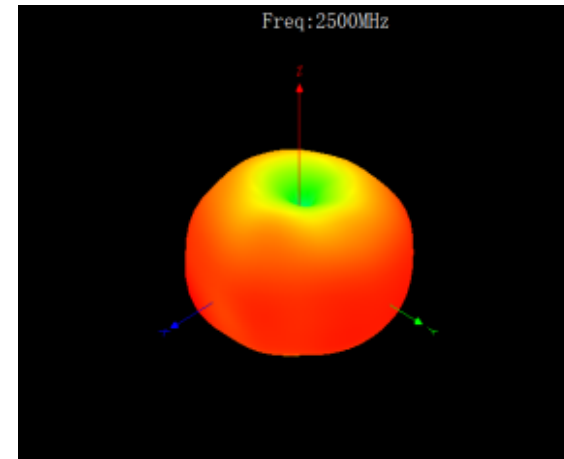
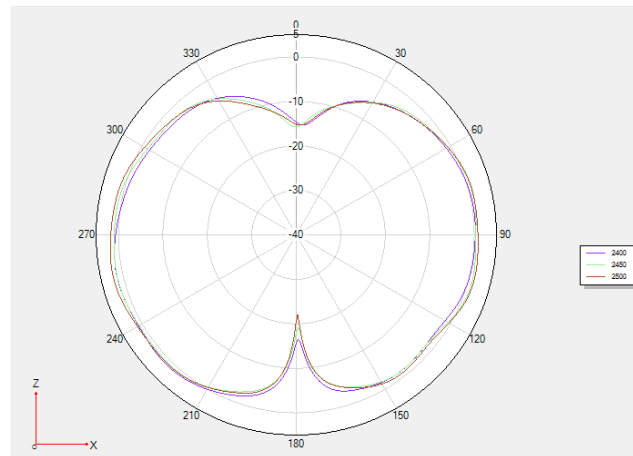
3D方向图



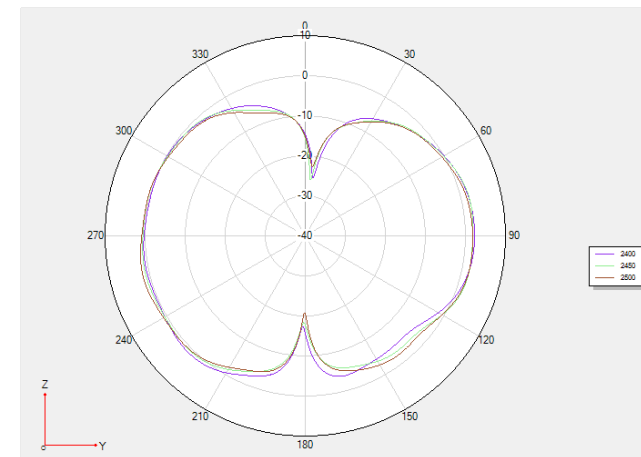
H面-THET=90



E1面-PHI=0



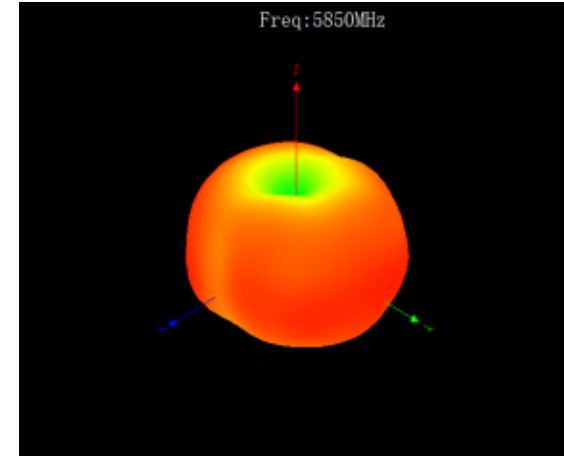
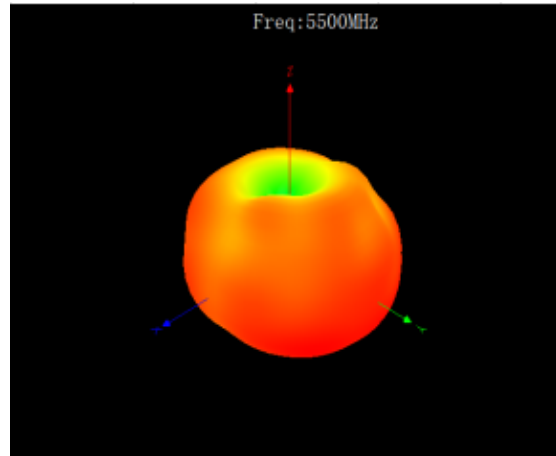
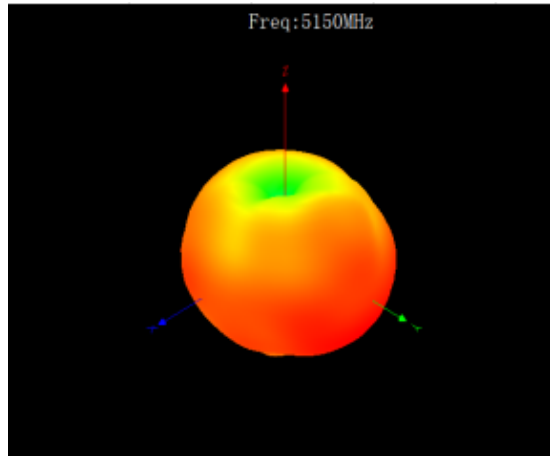
E2面-PHI=90



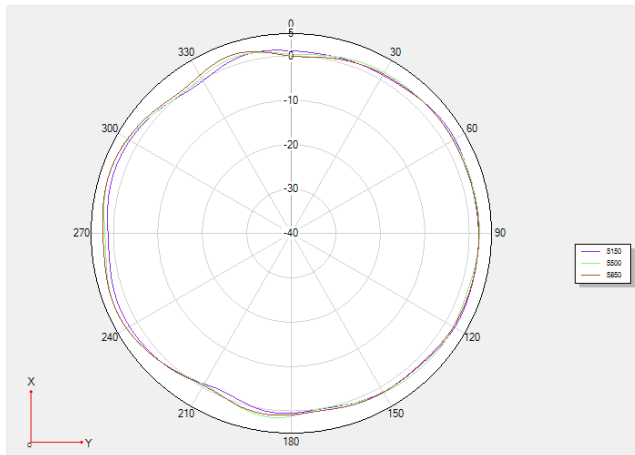
2、无源报告

◆ 辐射方向图 ANT-1 5GHz

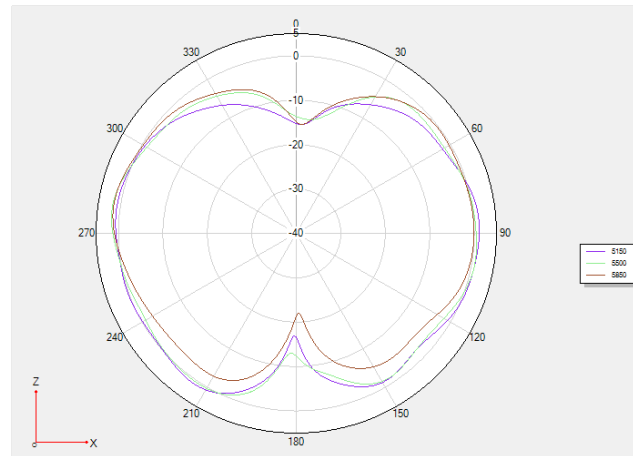
3D方向图



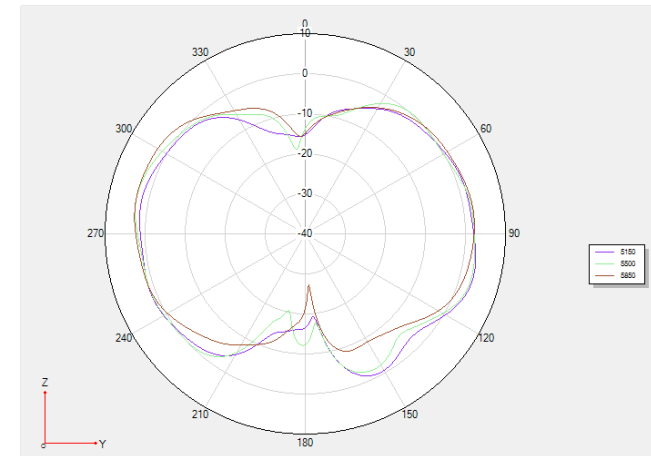
H面-THET=90



E1面-PHI=0



E2面-PHI=90

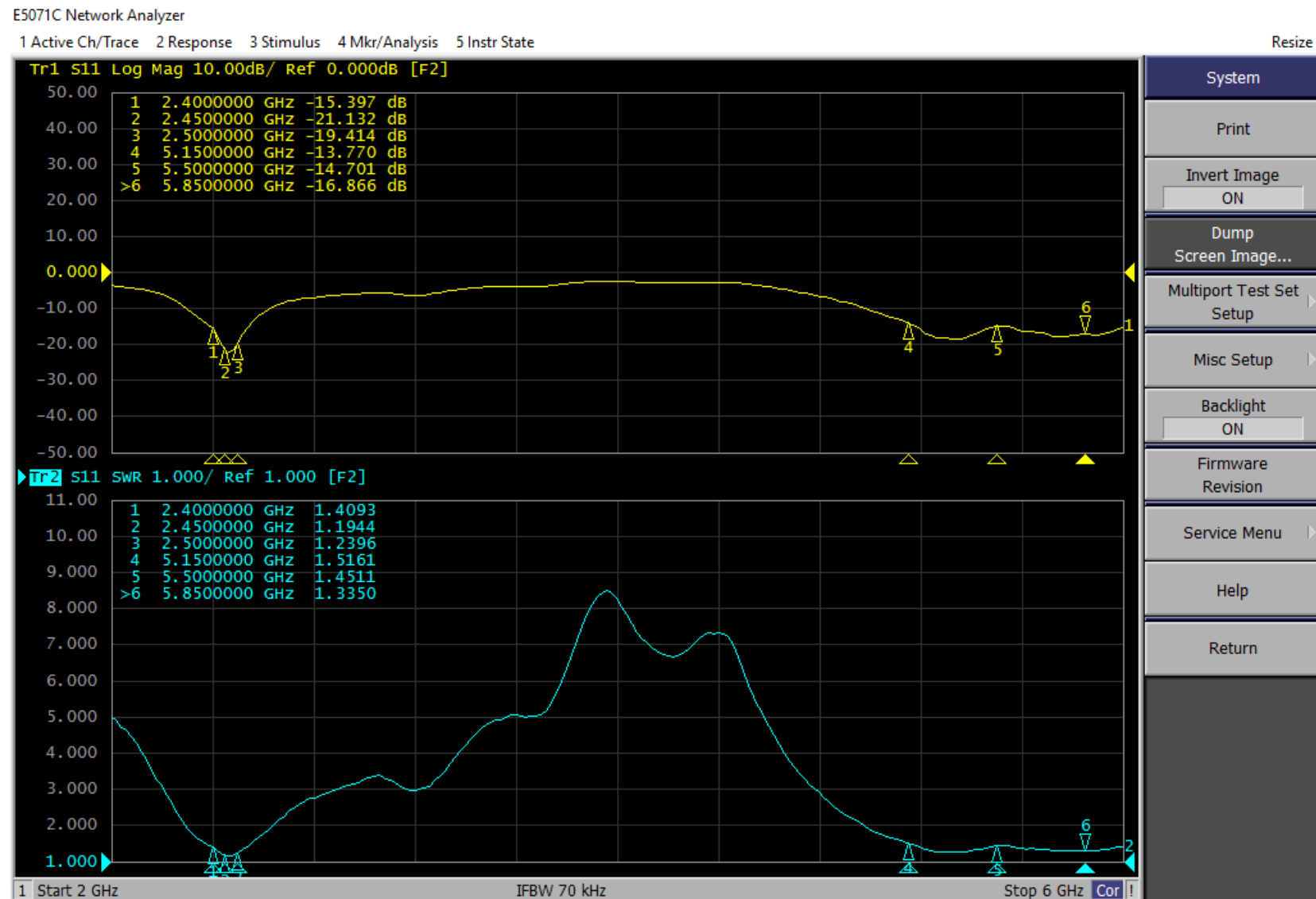


2、无源报告

◆ 反射参数S11

ANT-2

2.4/5G



2、无源报告

◆ 辐射参数表
ANT-2

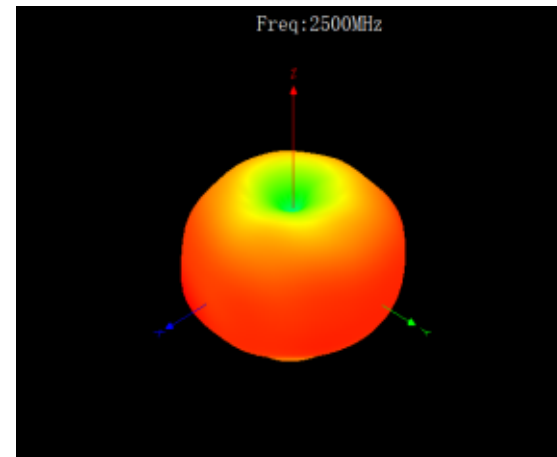
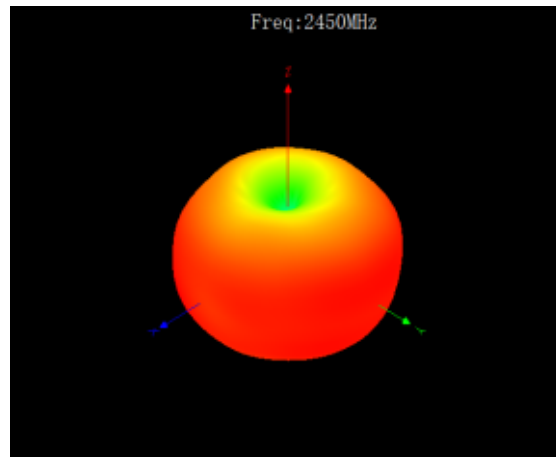
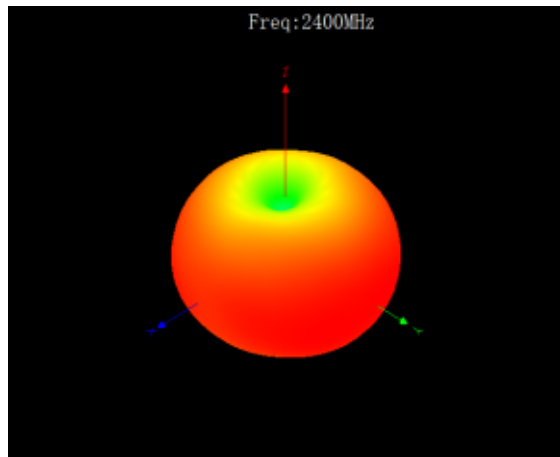
频率 / MHz	效率/ %	增益/ dBi
2400	76.52	2.61
2410	74.05	2.62
2420	77.33	2.54
2430	77.72	2.57
2440	81.57	2.56
2450	82.57	2.41
2460	83.66	2.45
2470	81.21	2.52
2480	83.46	2.57
2490	81.11	2.52
2500	81.42	2.70

频率 / MHz	效率/ %	增益/ dBi
5150	78.79	3.08
5200	81.21	3.12
5250	82.08	3.15
5300	82.18	3.17
5350	84.21	3.10
5400	84.77	3.17
5450	85.37	3.13
5500	83.03	3.24
5550	82.77	3.07
5600	81.52	3.11
5650	78.57	3.15
5700	82.04	3.18
5750	78.71	3.17
5800	79.18	3.14
5850	81.14	3.18

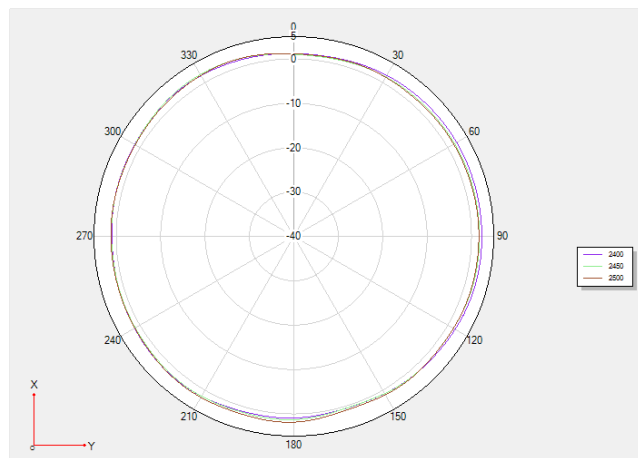
2、无源报告

◆ 辐射方向图 ANT-2 2.4Hz

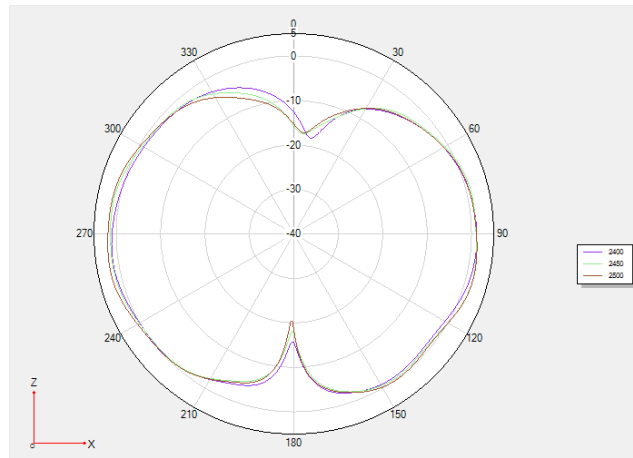
3D方向图



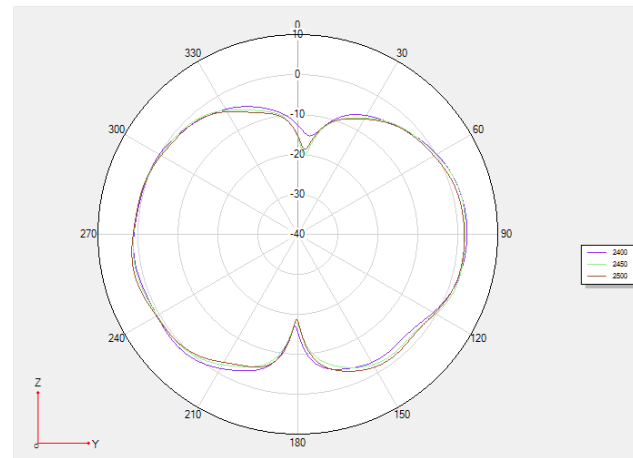
H面-THET=90



E1面-PHI=0



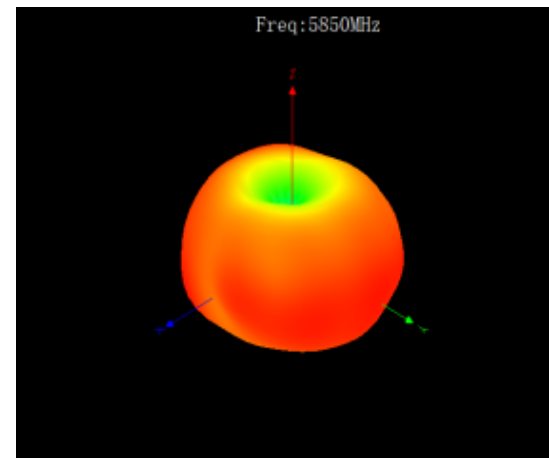
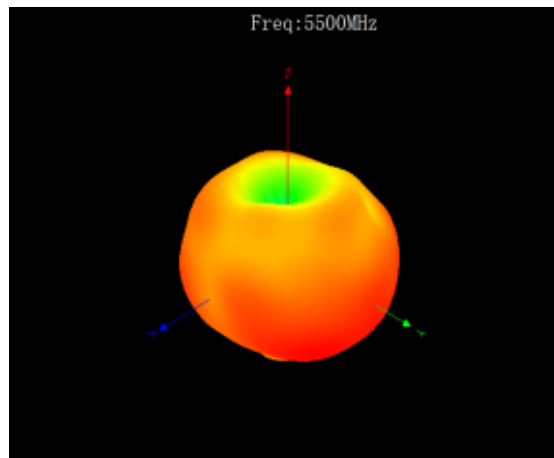
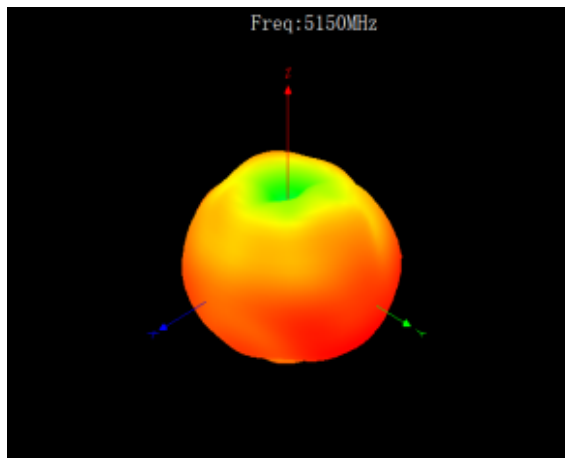
E2面-PHI=90



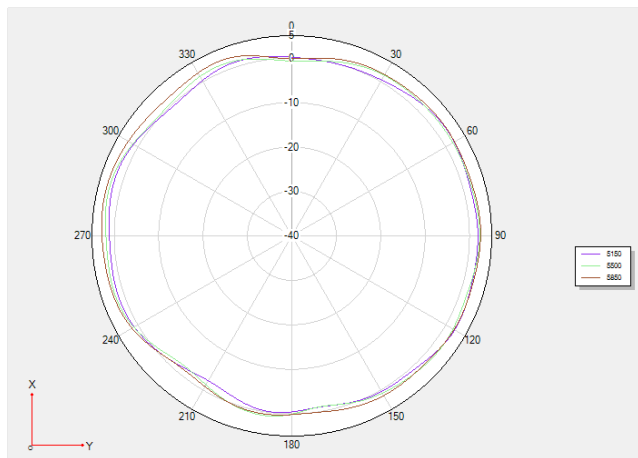
2、无源报告

◆ 辐射方向图 ANT-2 5GHz

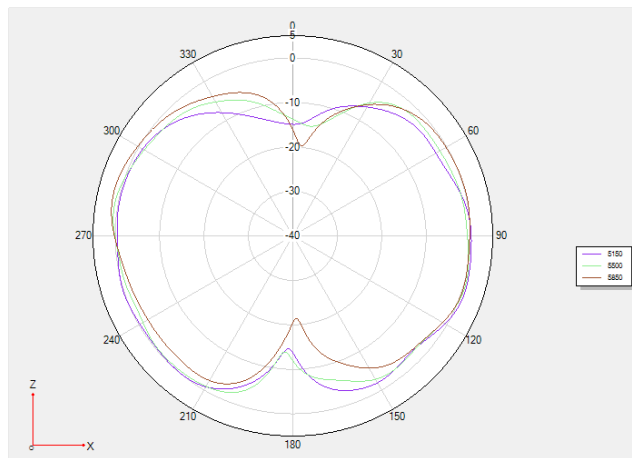
3D方向图



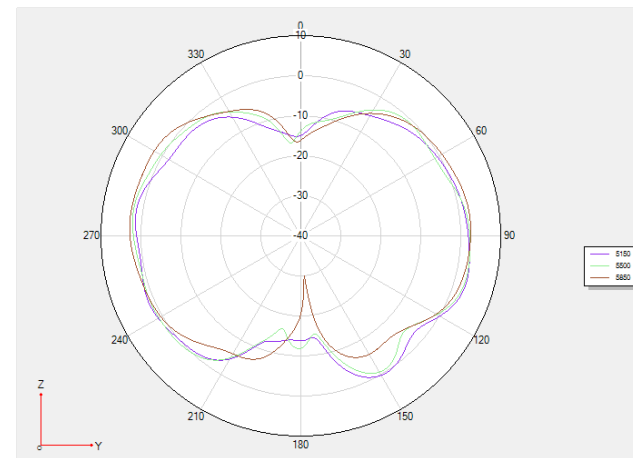
H面-THET=90



E1面-PHI=0



E2面-PHI=90

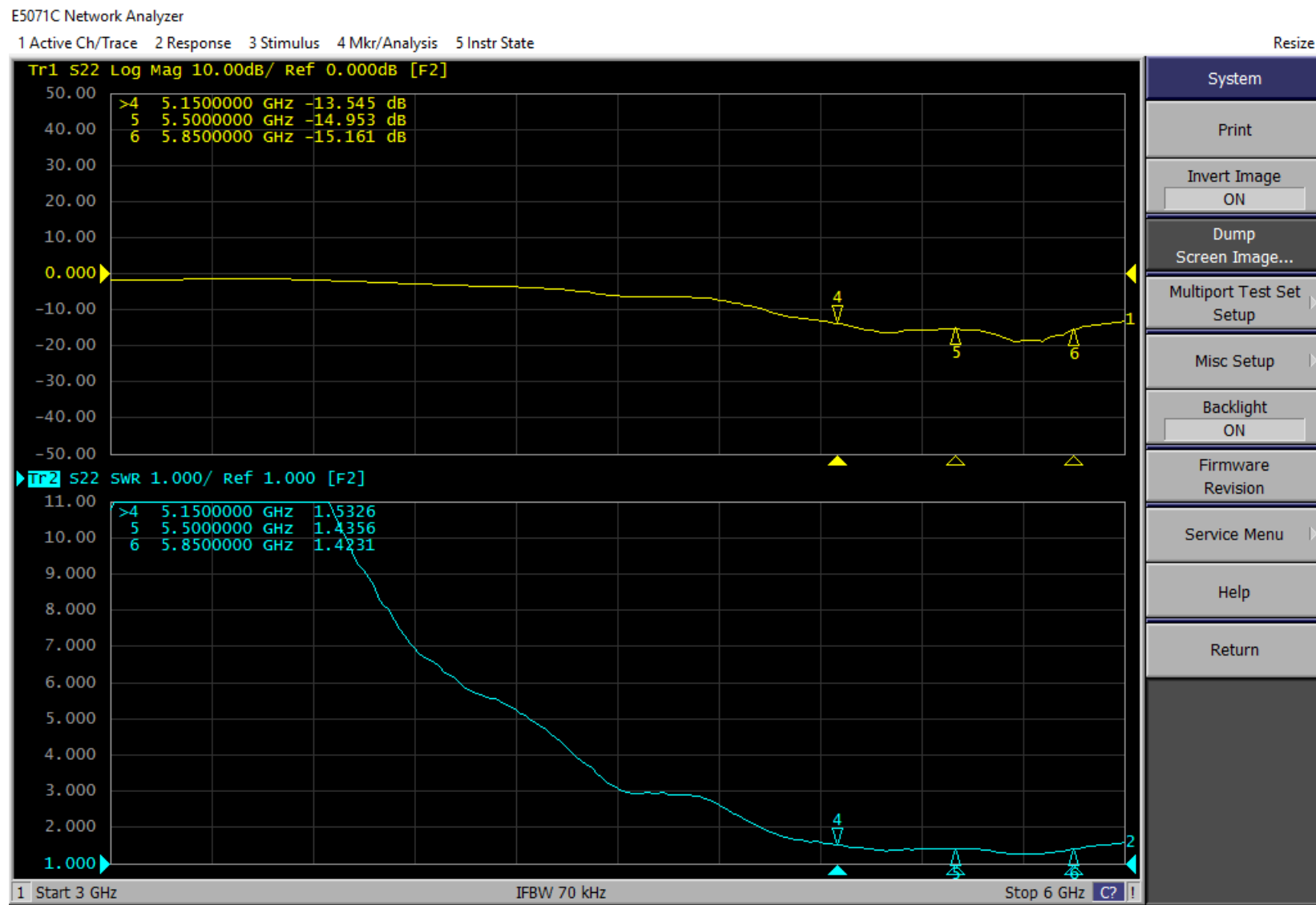


2、无源报告

◆ 反射参数S11

ANT-3

5G



2、无源报告

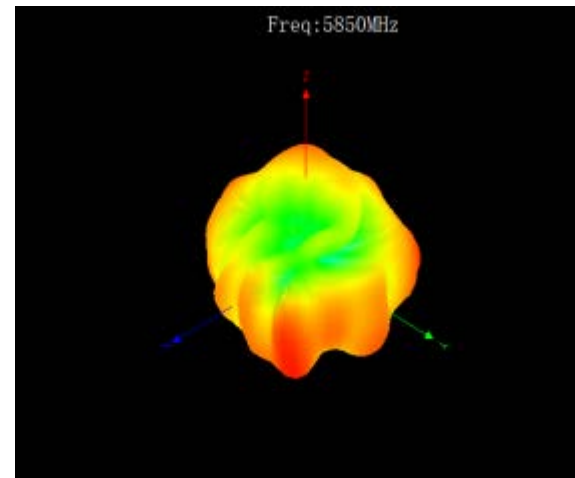
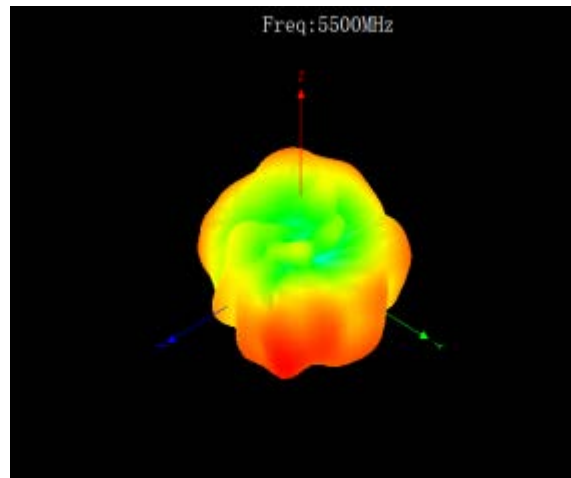
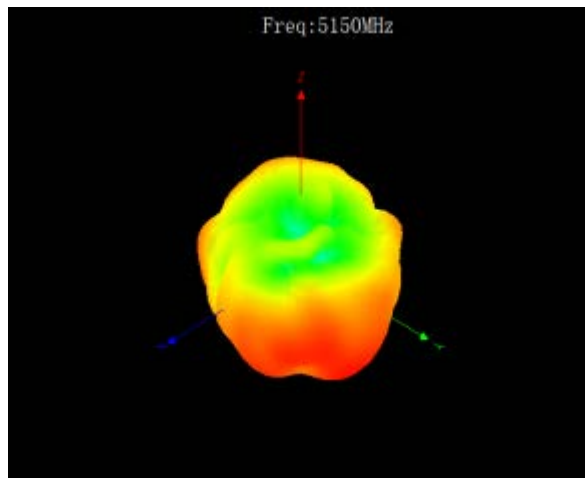
◆ 辐射参数表
ANT-3

频率 / MHz	效率/ %	增益/ dBi
5150	72.44	3.11
5200	70.61	3.28
5250	72.45	3.01
5300	70.47	2.85
5350	74.62	3.17
5400	68.8	2.72
5450	68.74	2.84
5500	70.96	3.09
5550	69.82	2.65
5600	68.71	2.38
5650	70.18	2.46
5700	68.77	2.33
5750	72.53	2.51
5800	73.97	3.19
5850	75.31	3.49

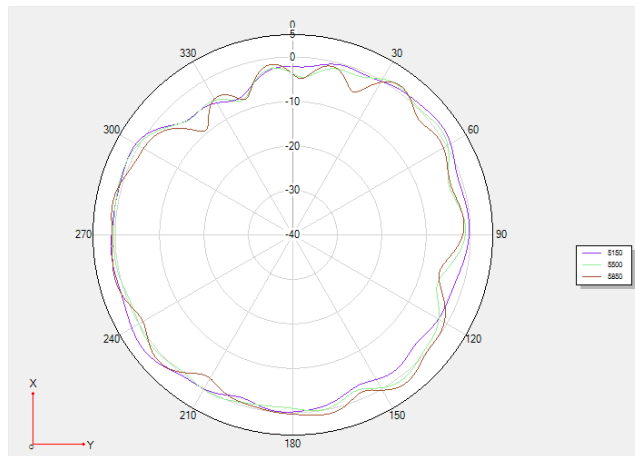
2、无源报告

◆ 辐射方向图 ANT-3 5GHz

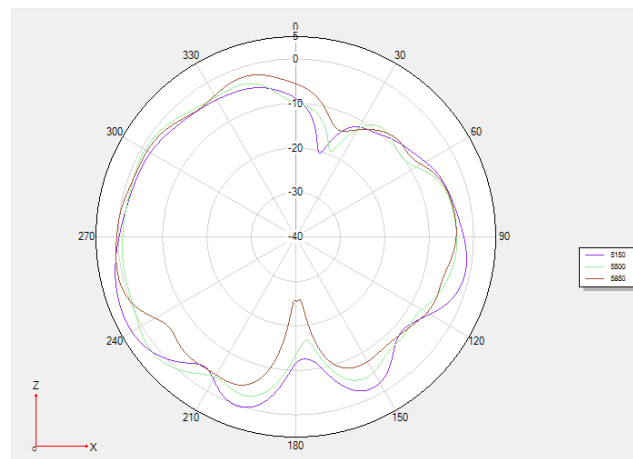
3D方向图



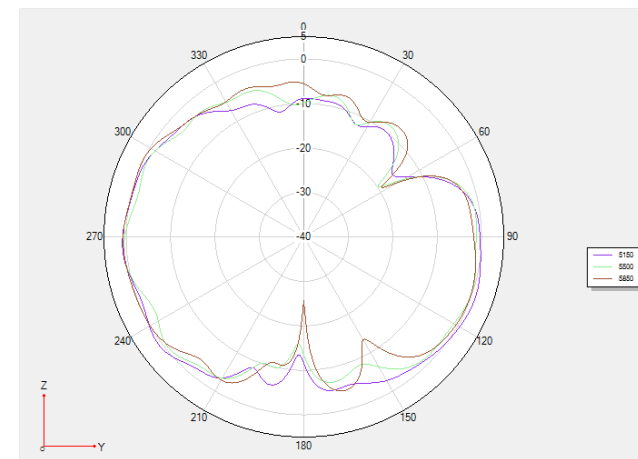
H面-THET=90



E1面-PHI=0



E2面-PHI=90



3、OTA有源报告

◆ OTA有源数据表

Item	Measurement	Azimuths	Elevations	Standard	Band	Channel	Frequency	Total
1	TRP	Every30	Every30	WIFI (Station)	WIFI_A (6M)	36	5180	24.7
2	TRP	Every30	Every30	WIFI (Station)	WIFI_A (6M)	64	5320	25.6
3	TRP	Every30	Every30	WIFI (Station)	WIFI_A (6M)	165	5825	25.43
4	TIS(EIRP)	Every30	Every30	WIFI (Station)	WIFI_A (54M)	36	5180	-75.77
5	TIS(EIRP)	Every30	Every30	WIFI (Station)	WIFI_A (54M)	64	5320	-76.24
6	TIS(EIRP)	Every30	Every30	WIFI (Station)	WIFI_A (54M)	165	5825	-77
7	TRP	Every30	Every30	WIFI (Station)	WIFI_G (6M)	1	2412	25.17
8	TRP	Every30	Every30	WIFI (Station)	WIFI_G (6M)	6	2437	24.65
9	TRP	Every30	Every30	WIFI (Station)	WIFI_G (6M)	11	2462	25.01
10	TIS(EIRP)	Every30	Every30	WIFI (Station)	WIFI_G (54M)	1	2412	-78.7
11	TIS(EIRP)	Every30	Every30	WIFI (Station)	WIFI_G (54M)	6	2437	-79.22
12	TIS(EIRP)	Every30	Every30	WIFI (Station)	WIFI_G (54M)	11	2462	-78.13