

规 格 承 认 书

SPECIFICATION FOR APPROVAL

客户 Customer	文巡
项目名称 Project Name	VTK12
客户料号 Customer NO.	
规格 specification	
供方料号 Supplier NO.	
规格书编号 Specification NO.	
编写人 Write by	周洪亮
版本 REV.	Ver.1
日期 Date	2024/06/06
备注 Note	

客户确认 CUSTOMER APPROVED BY

批准 Approved by	审核 Checked by	制表 Prepared by

供方确认 SUPPLIER APPROVED BY

批准 Approved by	审核 Checked by	制表 Prepared by

1. 承认书项目表 (Index)

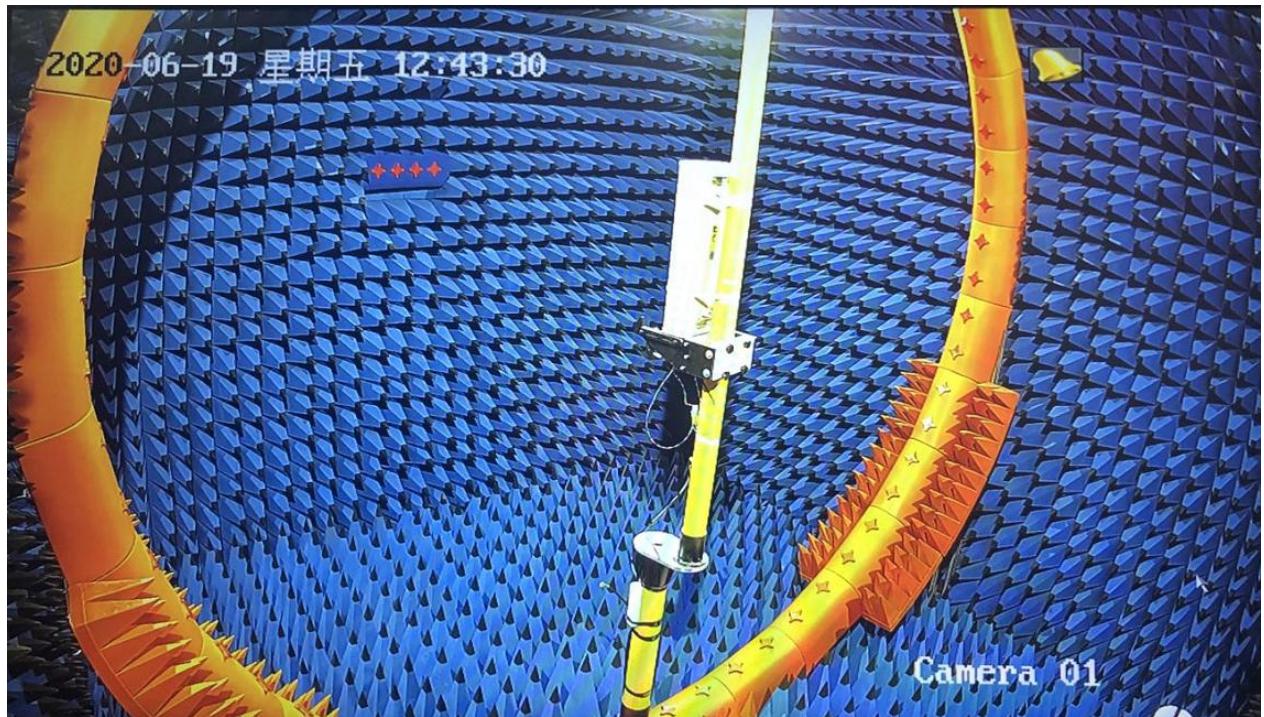
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2. 试验设备和条件(Test Equipment & Conditions)

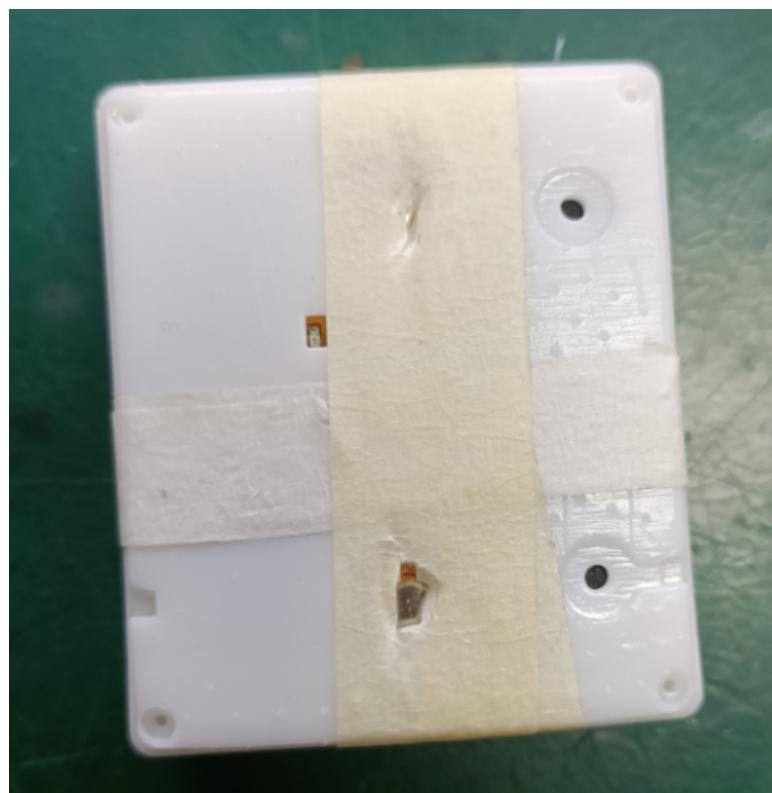
2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

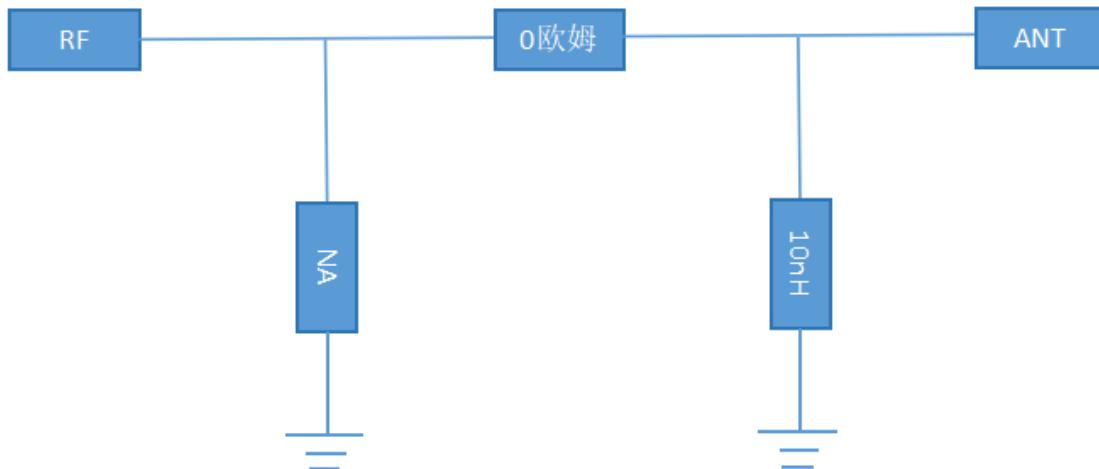
2.3. 3D Chamber Test System: 64探头测试系统



3. 样机结构说明件(Mechanical instruction)



4. 主天线匹配-有调整

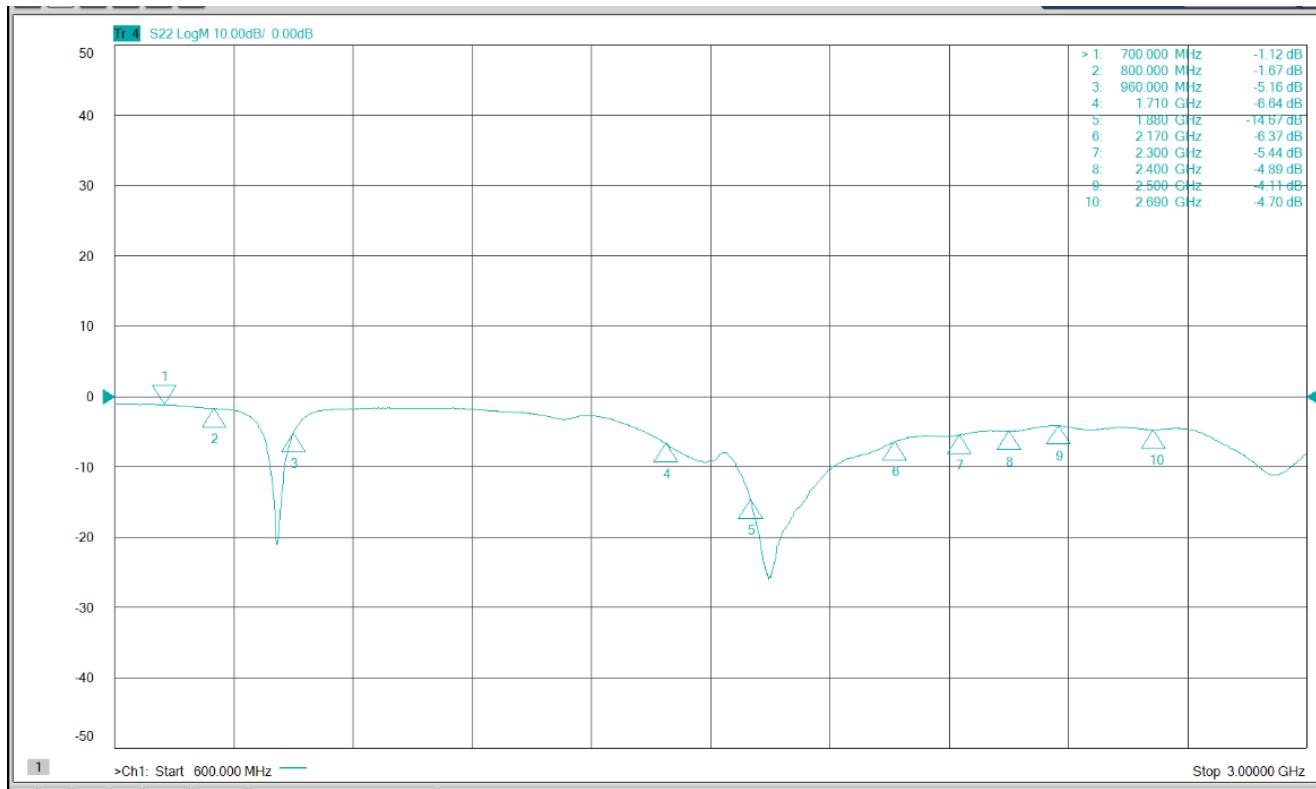


匹配位及开关逻辑		
匹配位	位号	值
E1	Z10	10nH
E2	Z14	0欧姆
E3	Z108	NA
开关电路	位号	值
RF1	Z109	0欧姆
RF2		15nH
RF3	Z74	4.7nH
RF4		NA

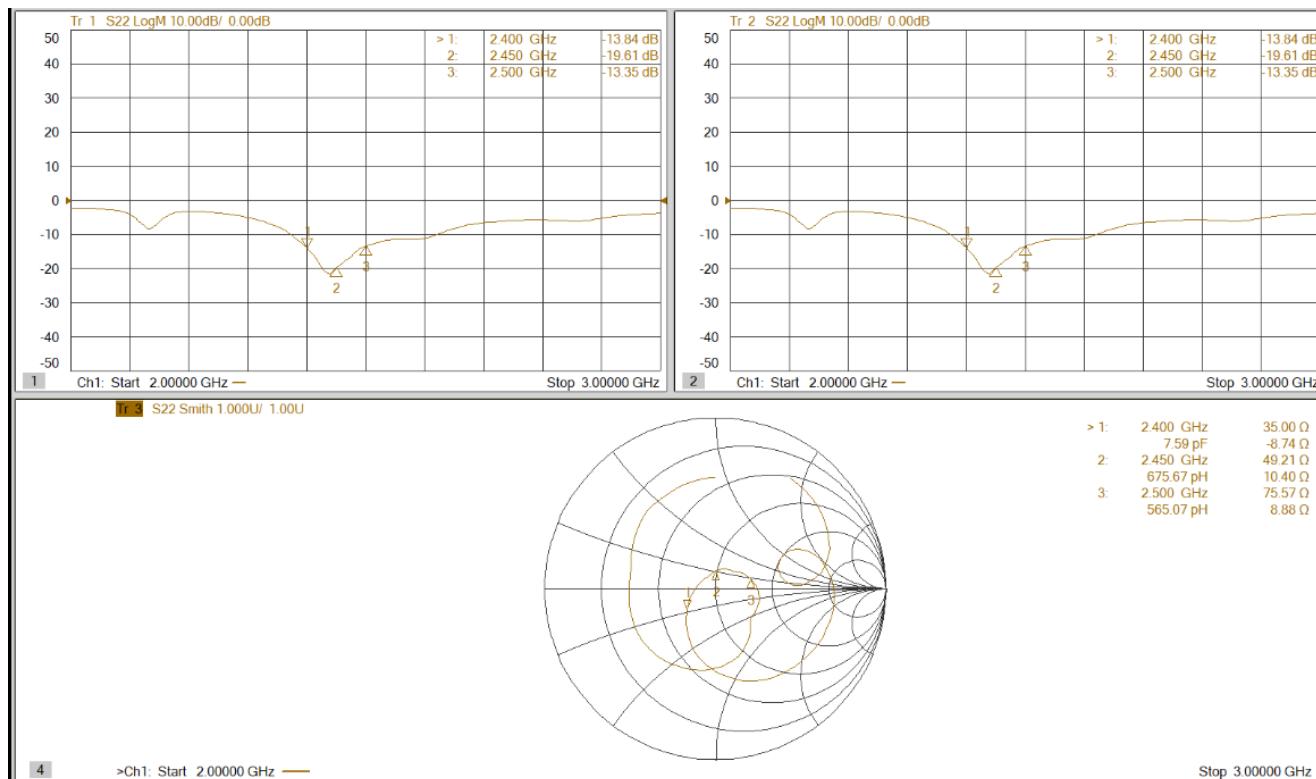
其他天线0欧姆直通

5. S11

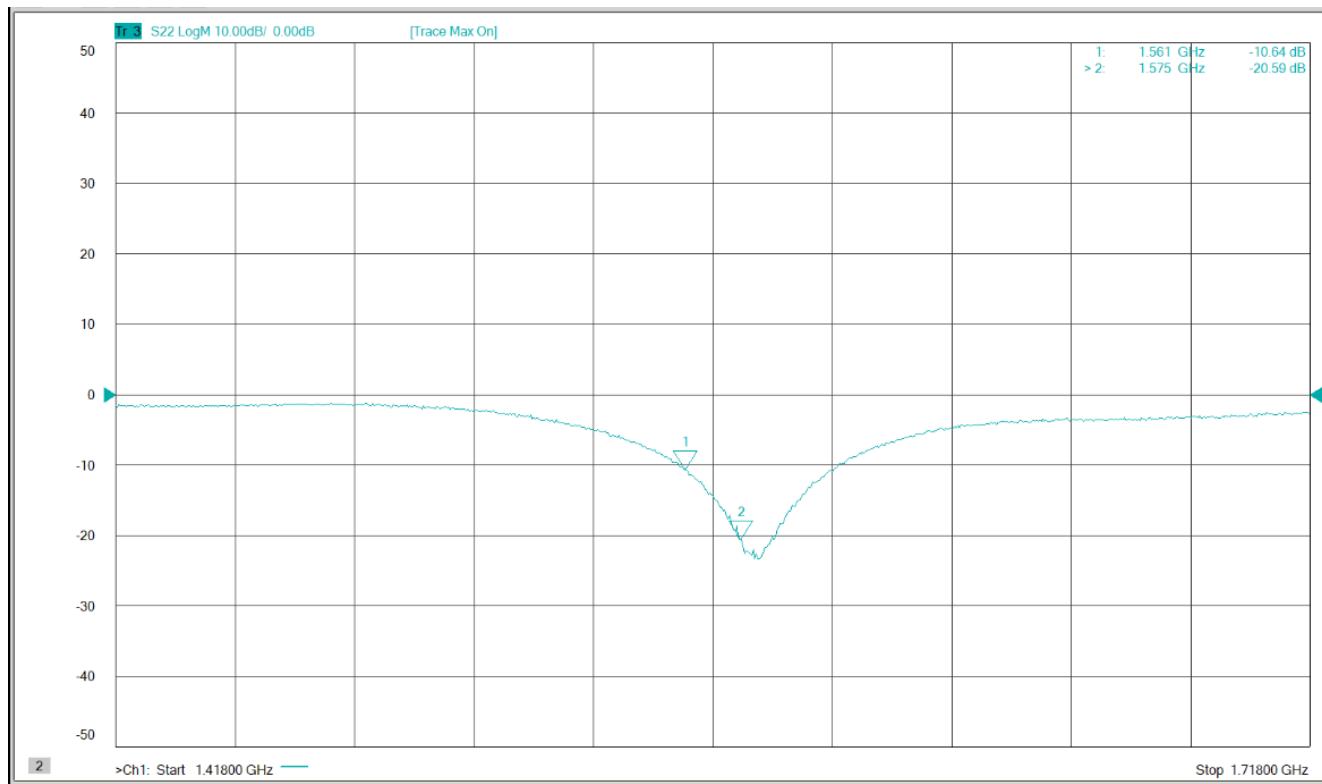
MAIN



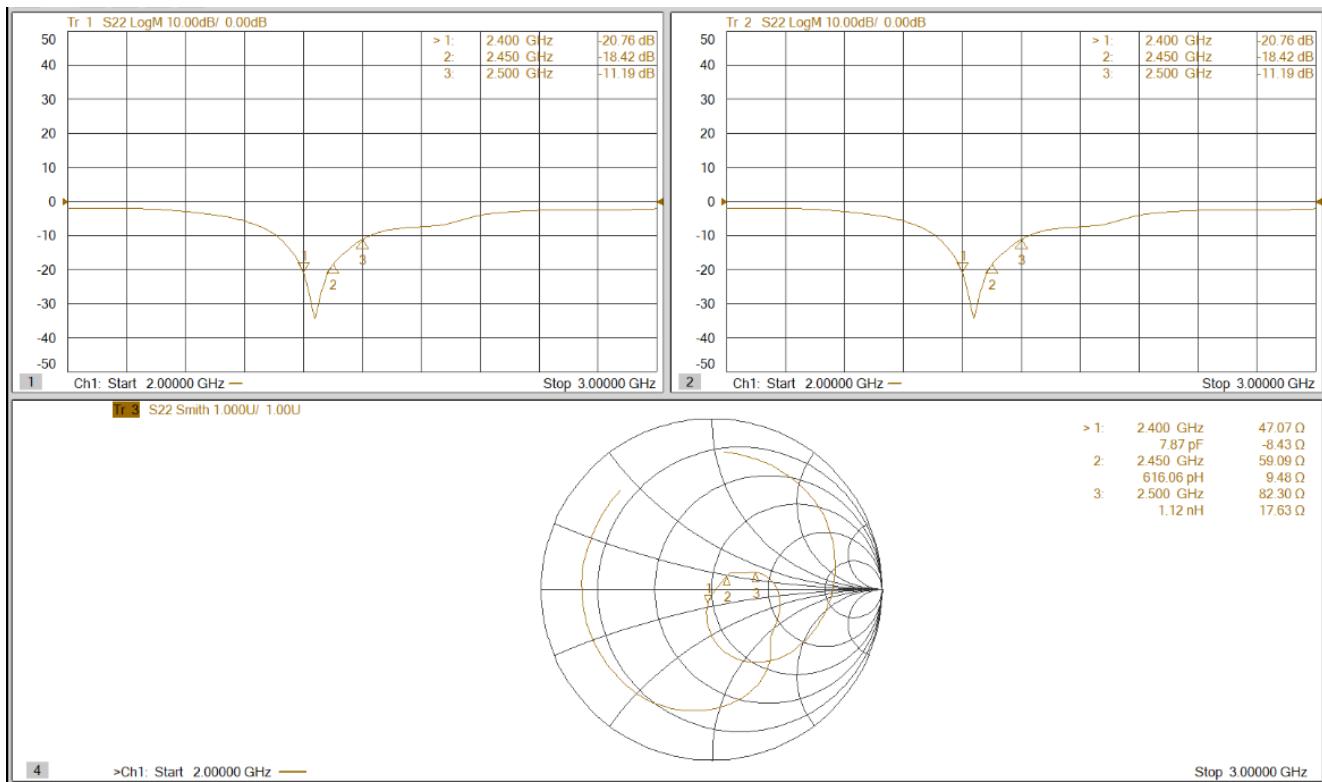
WIFI



5. S11 GPS



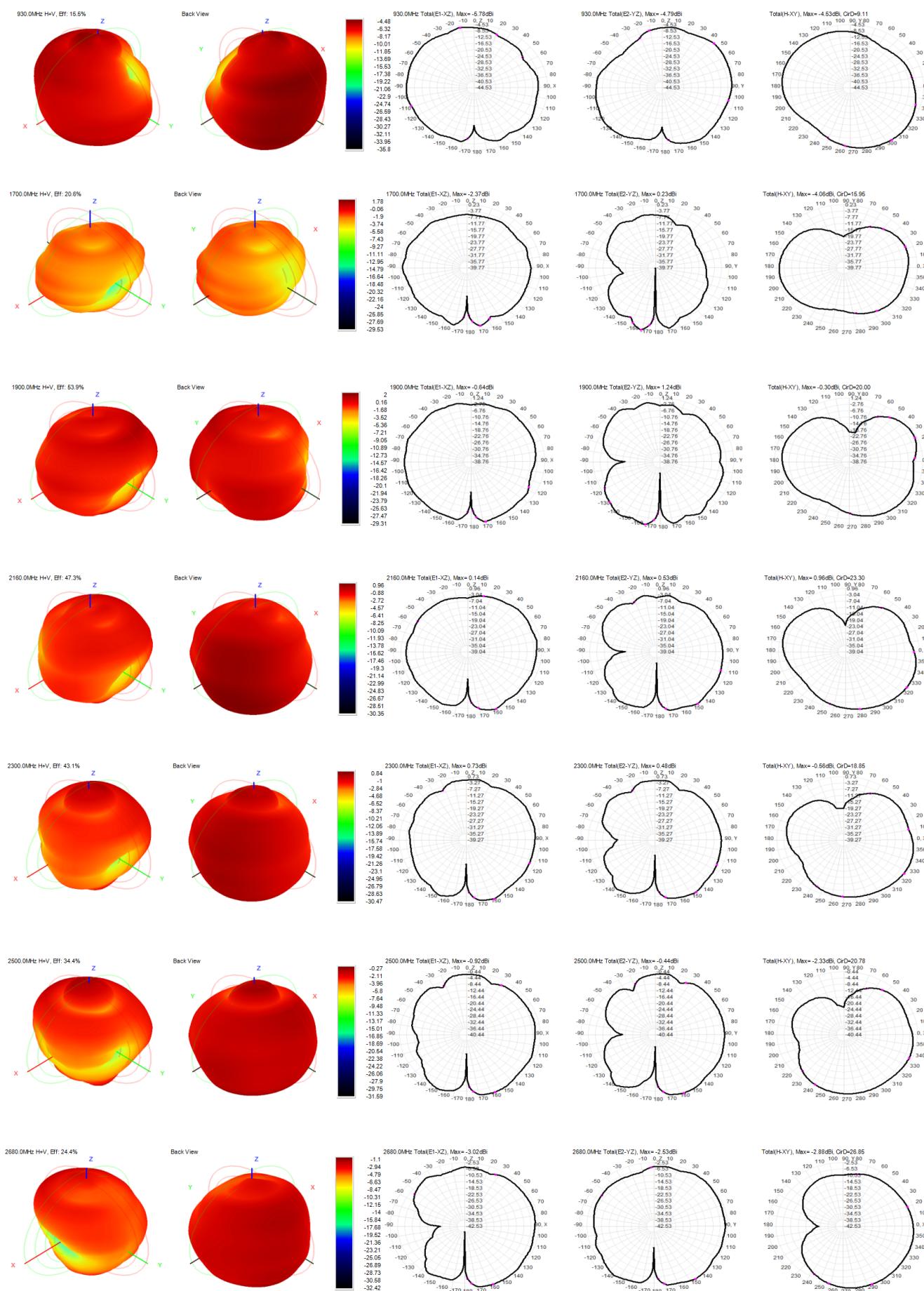
BT



6. 天线无源效率/增益-MAIN

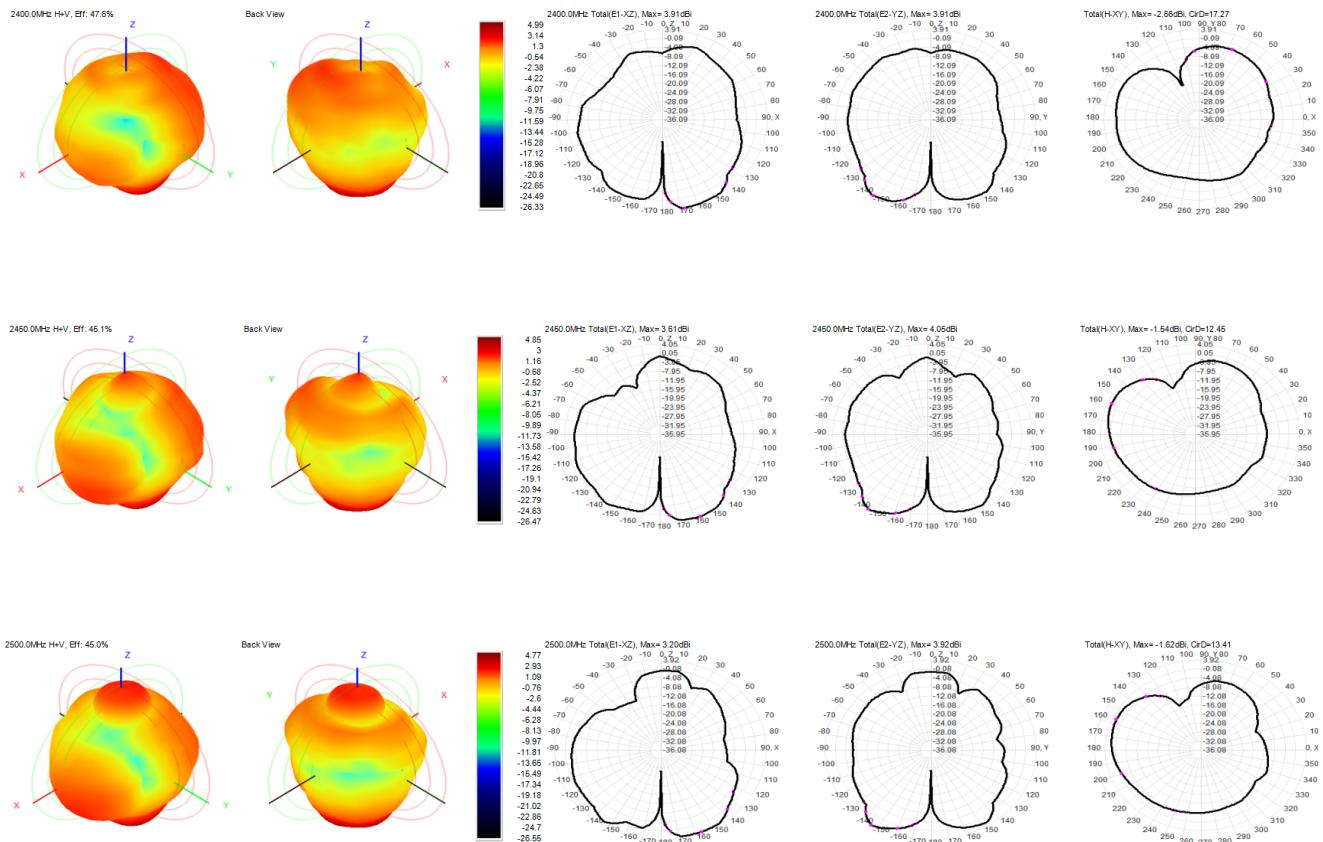
Frequency (MHz)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Gain (dBi)	Efficiency (%)
700.0	-20.58	0.12	1900.0	2.00	53.91
710.0	-17.81	0.15	1920.0	2.12	56.35
720.0	-19.19	0.17	1940.0	1.61	59.61
730.0	-21.16	0.18	1960.0	1.77	62.32
740.0	-20.76	0.22	1980.0	1.78	57.90
750.0	-21.39	0.24	2000.0	2.25	59.42
760.0	-20.33	0.29	2020.0	2.54	63.47
770.0	-19.00	0.36	2040.0	1.79	57.68
780.0	-19.26	0.40	2060.0	2.10	54.66
790.0	-18.34	0.46	2080.0	1.89	55.76
800.0	-17.22	0.59	2100.0	1.37	53.60
810.0	-16.83	0.71	2120.0	1.50	52.96
820.0	-15.97	0.84	2140.0	1.06	47.20
830.0	-15.22	0.99	2160.0	0.96	47.26
840.0	-14.98	1.23	2180.0	0.84	47.40
850.0	-13.91	1.64	2300.0	0.84	43.09
860.0	-12.15	2.41	2320.0	0.97	42.41
870.0	-11.29	3.23	2340.0	0.73	38.38
880.0	-9.67	4.20	2360.0	0.97	40.26
890.0	-8.42	5.54	2380.0	0.66	38.33
900.0	-7.12	7.58	2400.0	0.64	37.43
910.0	-5.68	10.84	2420.0	0.76	37.06
920.0	-4.76	14.18	2440.0	0.11	33.89
930.0	-4.48	15.52	2460.0	-0.08	35.65
940.0	-5.35	13.39	2480.0	0.20	37.07
950.0	-6.87	9.33	2500.0	-0.27	34.37
960.0	-8.53	6.40	2520.0	-0.12	34.17
1700.0	1.78	20.57	2540.0	-0.46	33.41
1720.0	1.95	23.67	2560.0	0.01	33.37
1740.0	2.48	25.55	2580.0	0.36	33.30
1760.0	3.24	31.97	2600.0	0.30	31.27
1780.0	2.17	33.63	2620.0	-0.16	30.24
1800.0	1.97	34.84	2640.0	0.35	29.04
1820.0	0.99	30.83	2660.0	-0.15	27.22
1840.0	0.85	34.71	2680.0	-1.10	24.37
1860.0	1.73	40.71	2700.0	-1.48	24.20
1880.0	1.28	45.03			

6. 方向图-MAIN



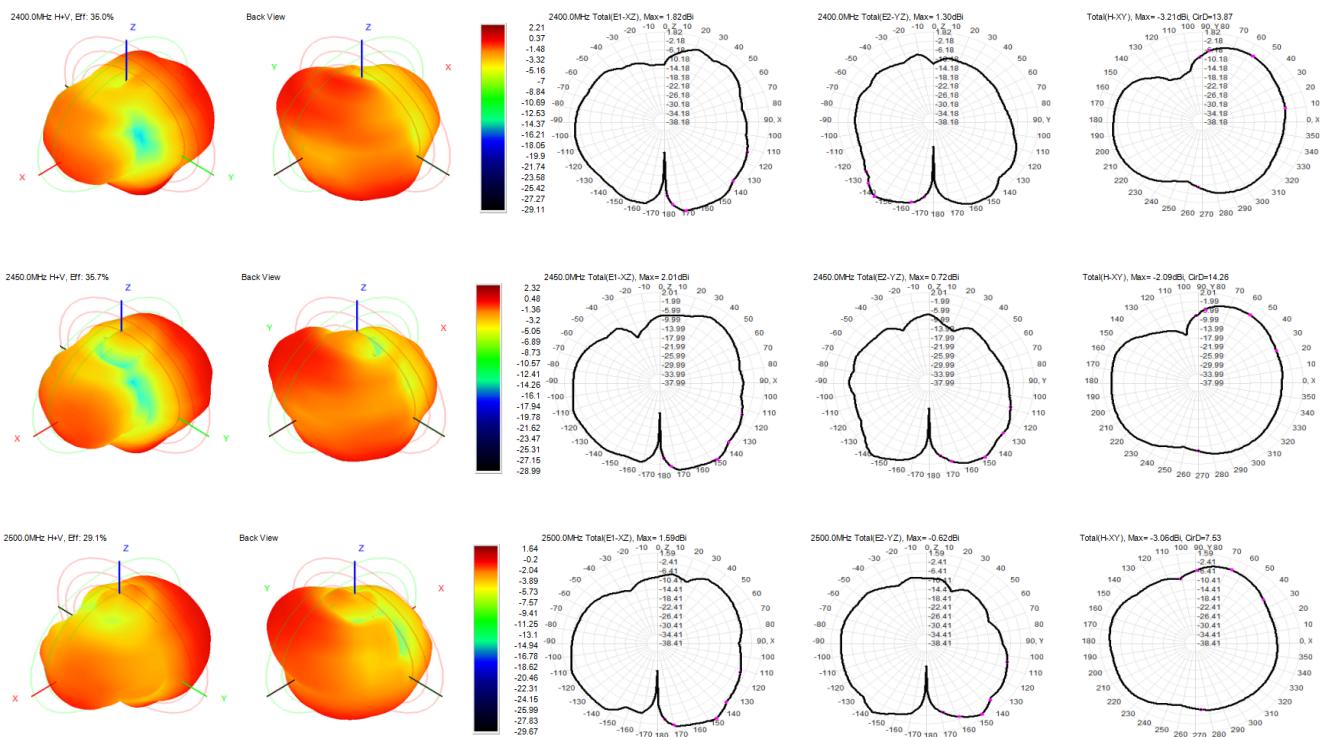
6. 天线无源效率/增益/方向图-WIFI

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400.0	4.99	47.64
2410.0	5.16	47.95
2420.0	5.20	46.30
2430.0	5.23	45.86
2440.0	4.94	44.28
2450.0	4.85	45.11
2460.0	4.87	46.00
2470.0	5.09	48.28
2480.0	5.17	50.21
2490.0	4.77	46.63
2500.0	4.77	45.02



6. 天线无源效率/增益/方向图-BT

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400.0	2.21	34.99
2410.0	2.63	36.31
2420.0	2.72	36.50
2430.0	2.69	36.96
2440.0	2.39	35.70
2450.0	2.32	35.70
2460.0	2.15	35.34
2470.0	2.05	35.42
2480.0	2.10	34.58
2490.0	1.81	31.09
2500.0	1.64	29.05



6. 天线无源效率/增益/方向图-GPS

Frequency (MHz)	1550.0	1555.0	1560.0	1565.0	1570.0	1575.0	1580.0	1585.0	1590.0
Gain (dBi)	0.55	0.52	0.50	0.54	0.67	0.80	0.88	0.86	1.06
Efficiency (%)	41.19	41.35	41.39	41.87	43.04	44.61	45.84	46.04	46.17

