

招财进宝

专利证书



香港鑫恒陽股份有限公司

HongKong Xin hengyang Stock Co., Ltd

深圳市鑫恒阳科技有限公司

ShenZhen XinHengYang Technology co., Ltd



品牌强国

自主品牌优选示范工程



Focused and sustained doing one thing.

<https://WWW.xhy-2008.com>

目录（List）

- ◆ 概要（Summary）
- ◆ 项目信息（Project information）
- ◆ 测试设备（Test Equipment）
- ◆ 机台图片 Machine image
- ◆ 实际测试图片（test photo）
- ◆ 主板匹配电路（Main board matching circuit）
- ◆ 天线位置（ANT Location）
- ◆ Return Loss&VSWR
- ◆ 辐射方向图（Radiation pattern）
- ◆ 无源效率、增益测试报告（Passive efficiency and gain test report）
- ◆ 总结（Summarize）

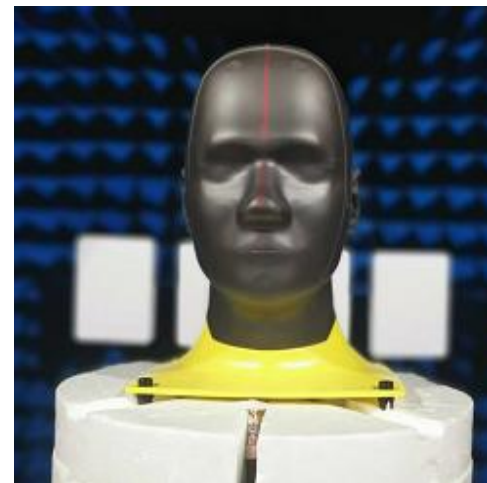
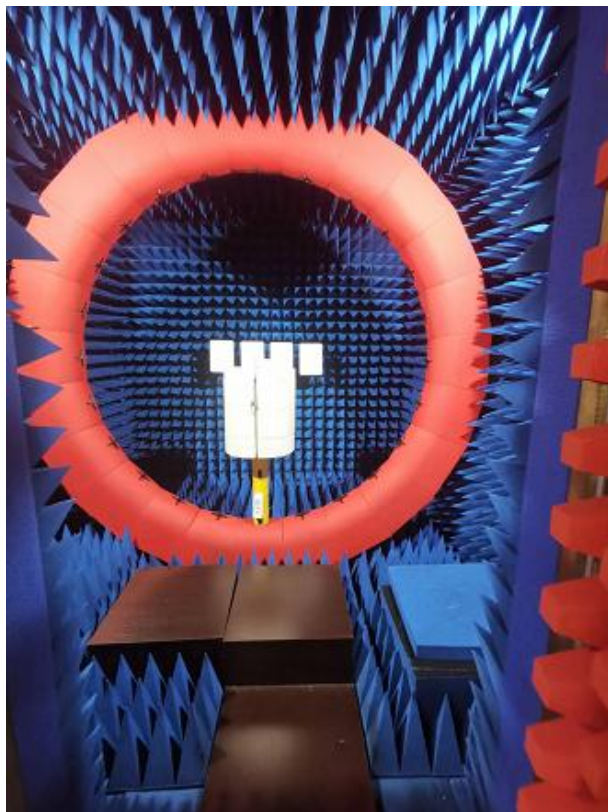
鑫恒阳天线测试数据报告

◆ 项目信息（Project information）

客户名CUSTOMER NAME:	智信
项目名PRODUCT NAME:	M04
研发（R&D）：	唐师荣
日期DATE:	2026/05/19

一. 测试设备 (Test Equipment)

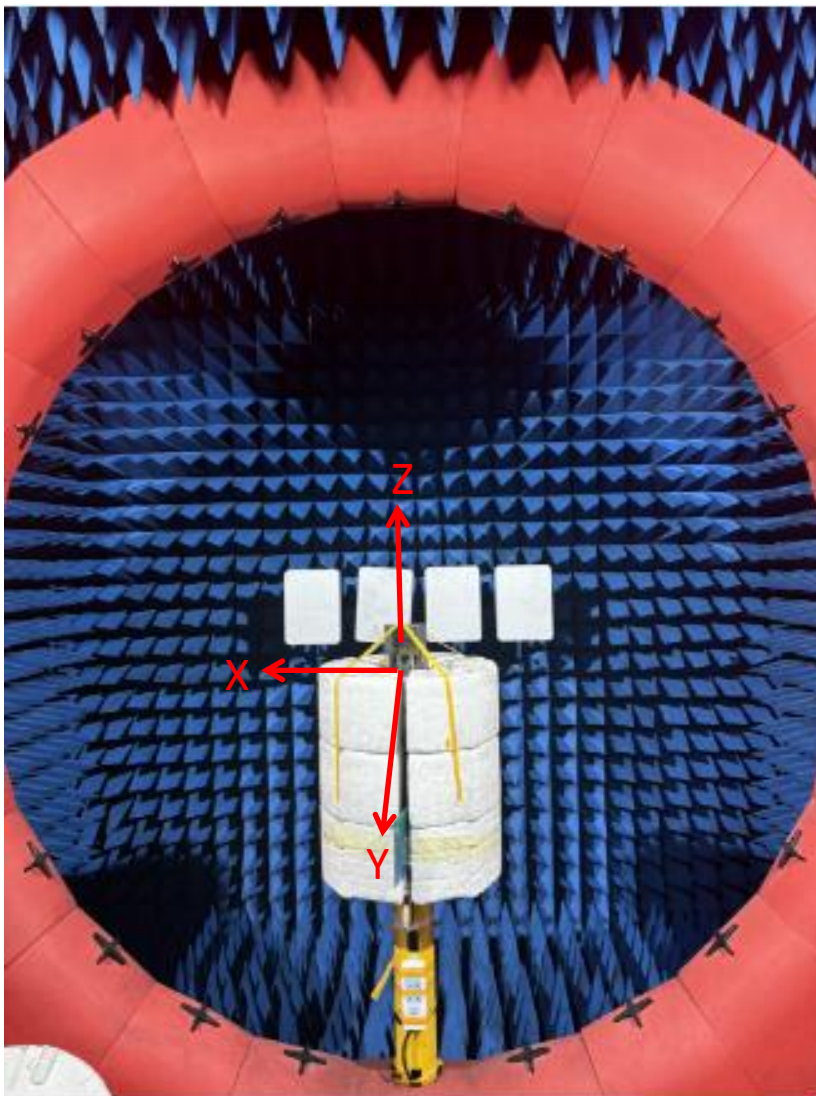
1. 有源测试: 支持2. 3. 4. 5G制式多模式测量 NB-IoT, eMTC, CAT-1, Bluetooth1-5, WIFI802.11 abgn, 可测TRP TIS
2. 无源测试: 可测试增益, 效率
3. TWS耳机测试头模 全套人头手



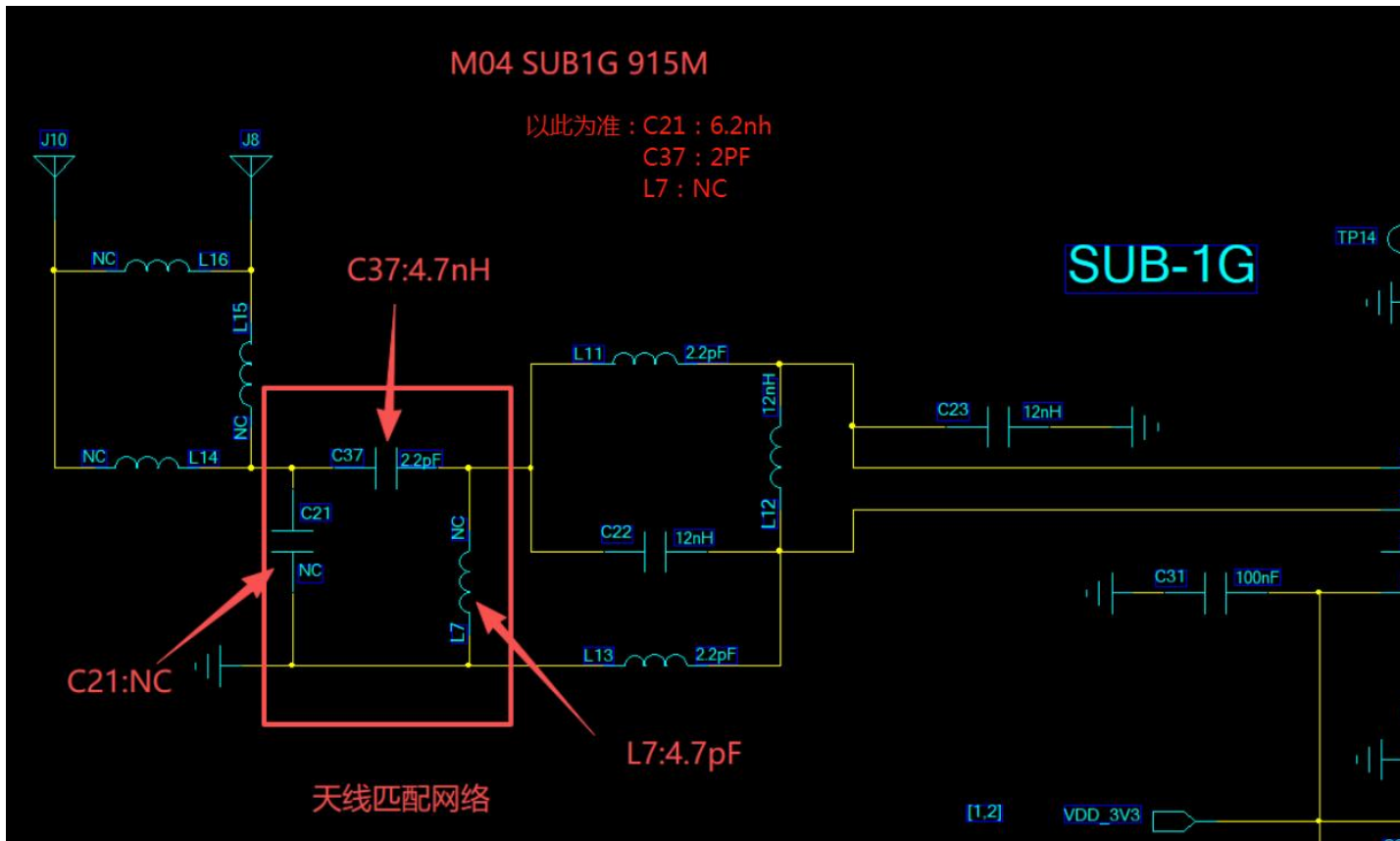
二.机台图片 Machine image



三 实际测试图片（test photo）



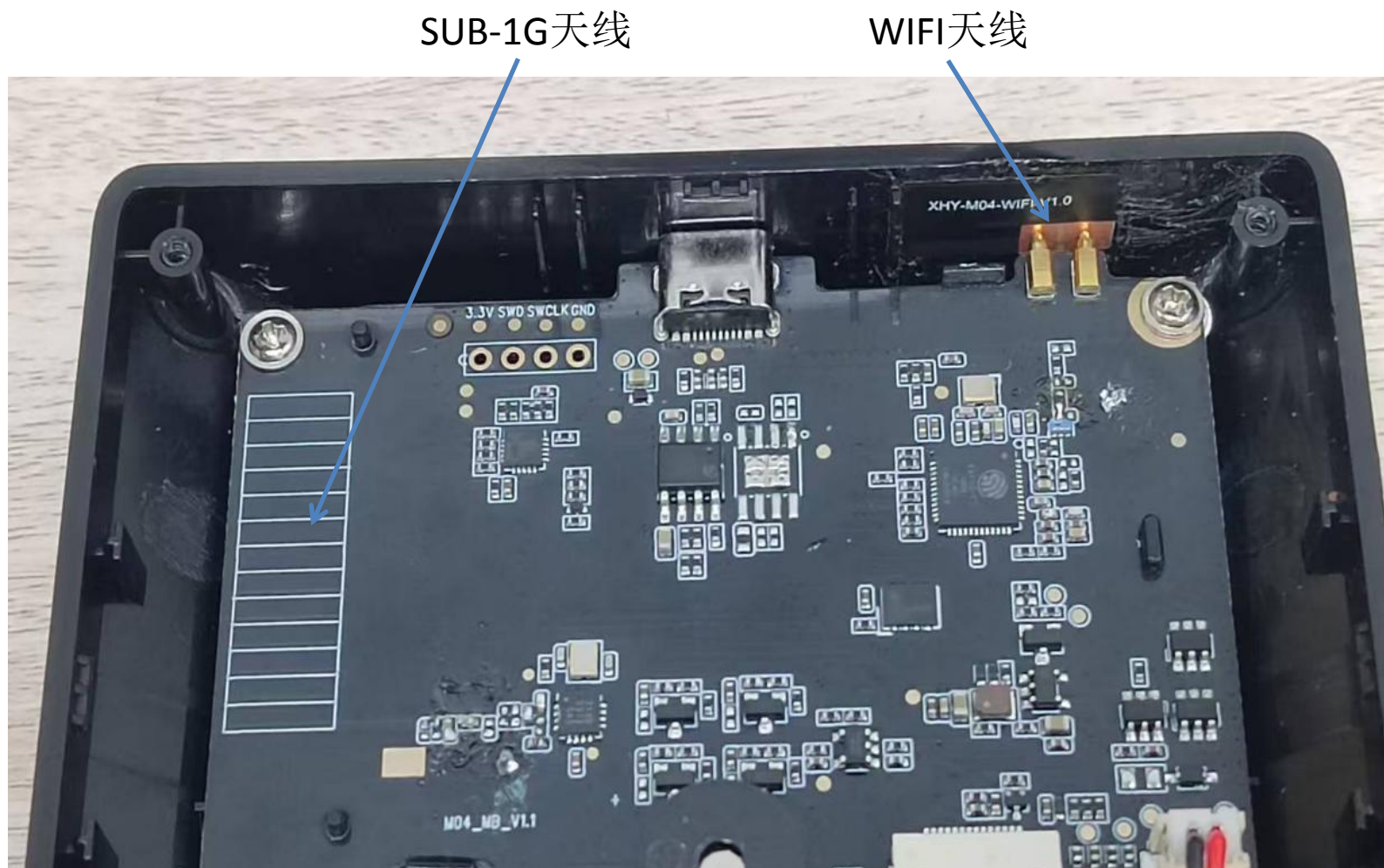
四 主板匹配电路 (Main board matching circuit)



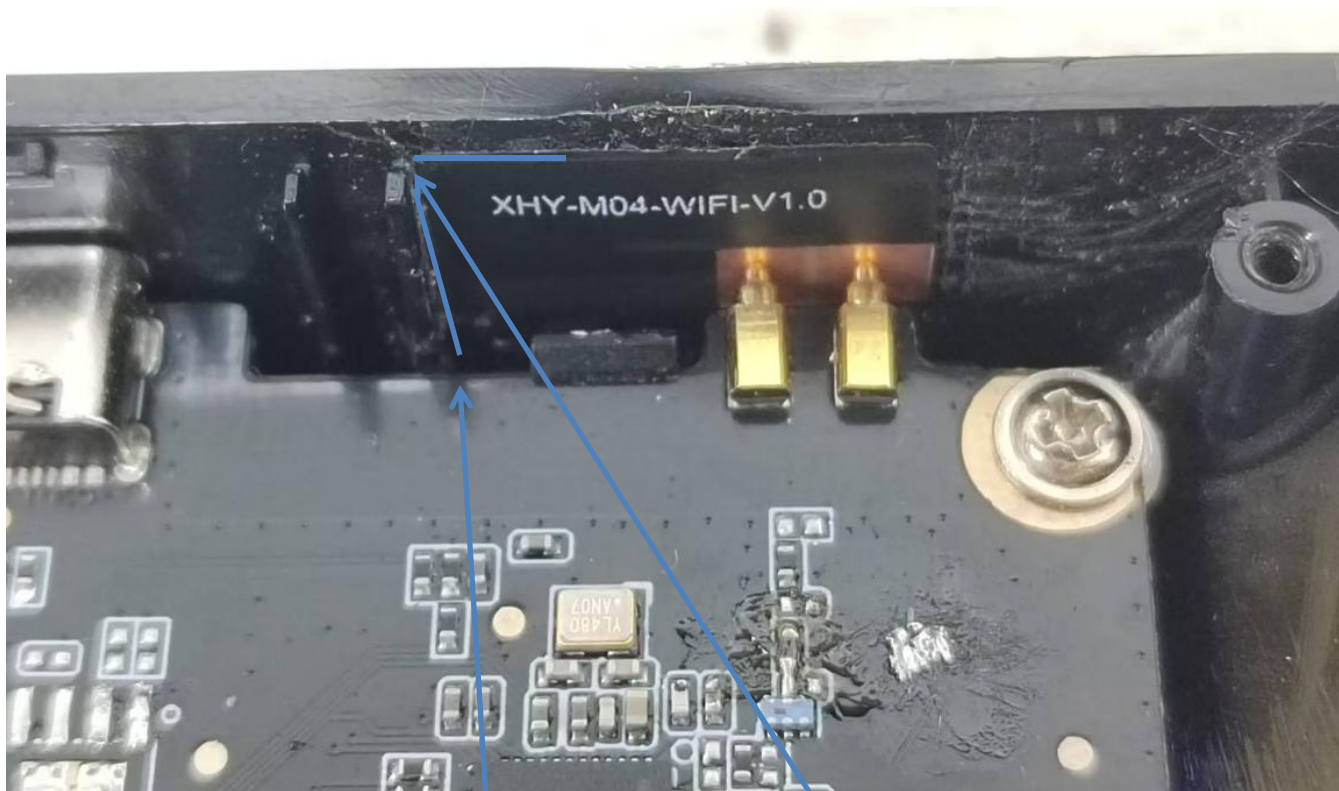
SUB-1G C21:6.2nh C37:2pf L7:NC

WIFI 0欧姆导通

五. 天线位置 (ANT Location)

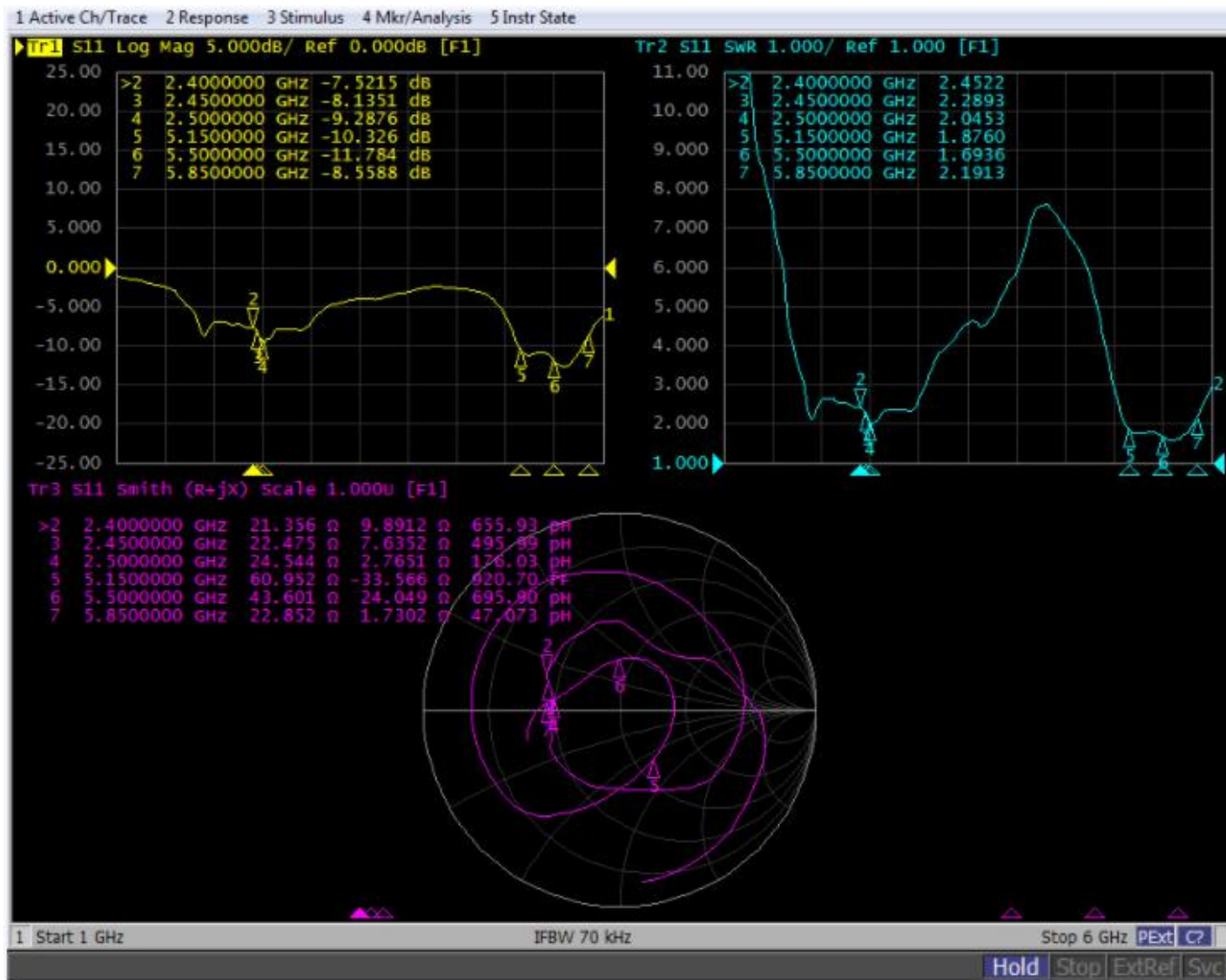


五. 天线位置 (ANT Location)

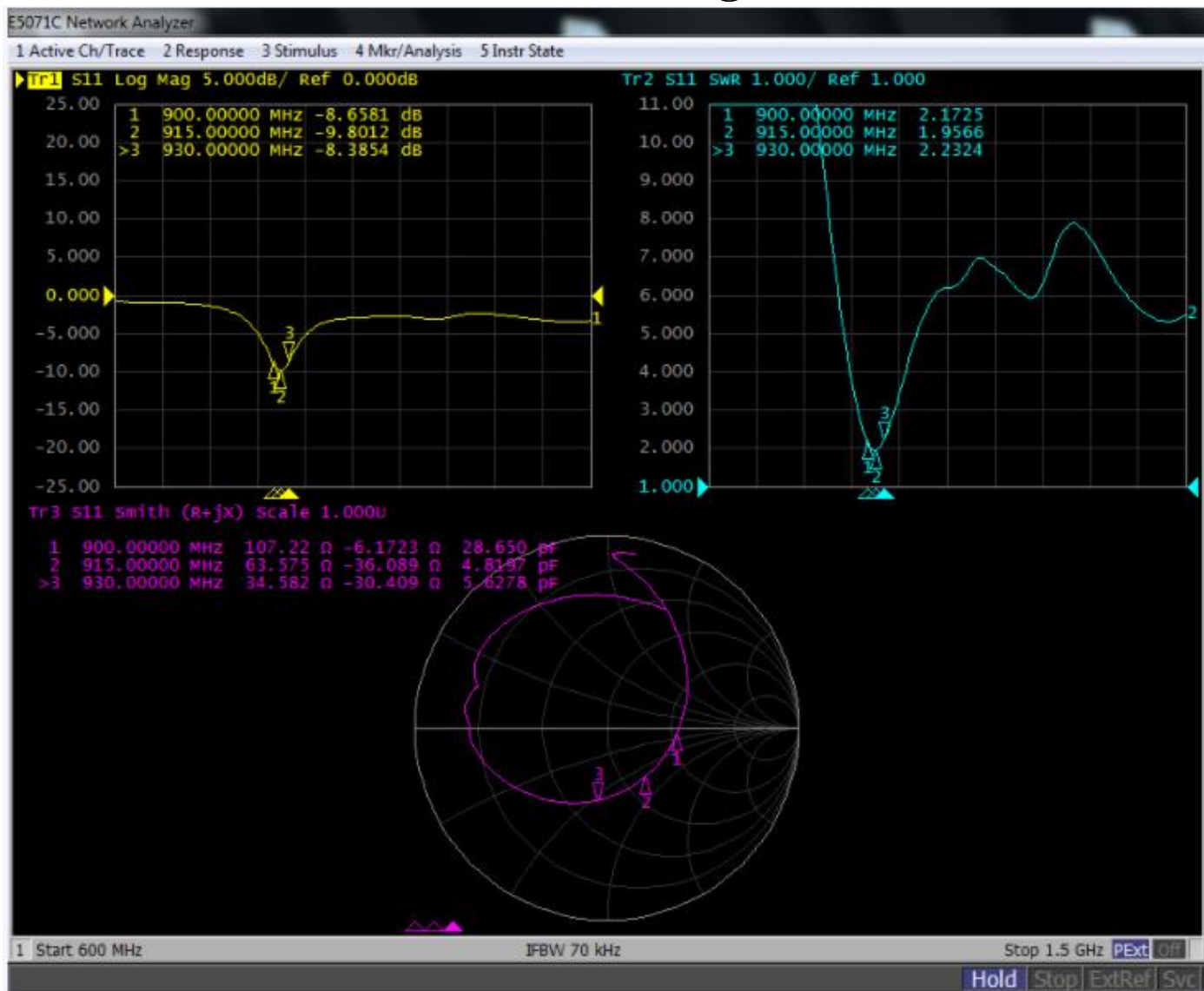


WiFi天线对齐左边骨位及卡扣下边缘口贴

五. Return Loss&VSWR-WiFi

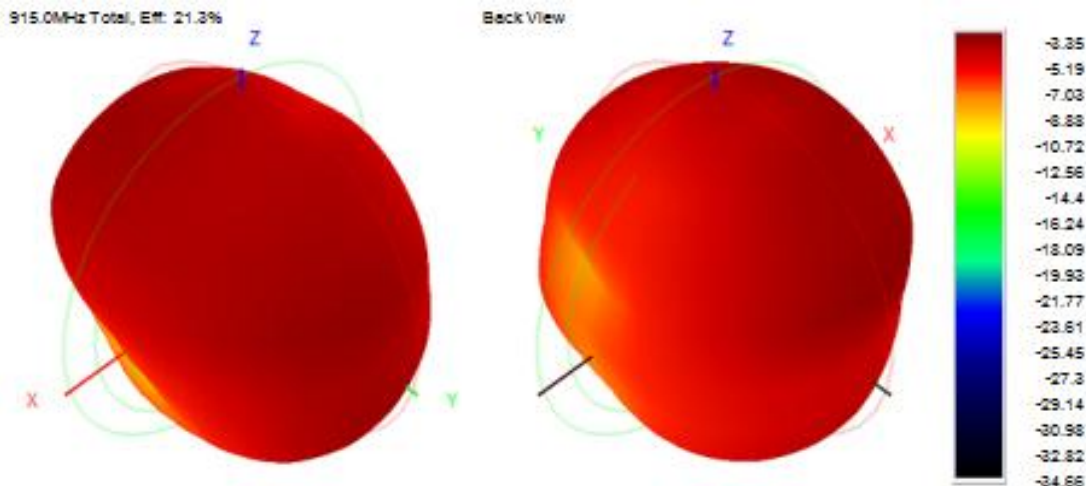


五. Return Loss&VSWR-sub-1g

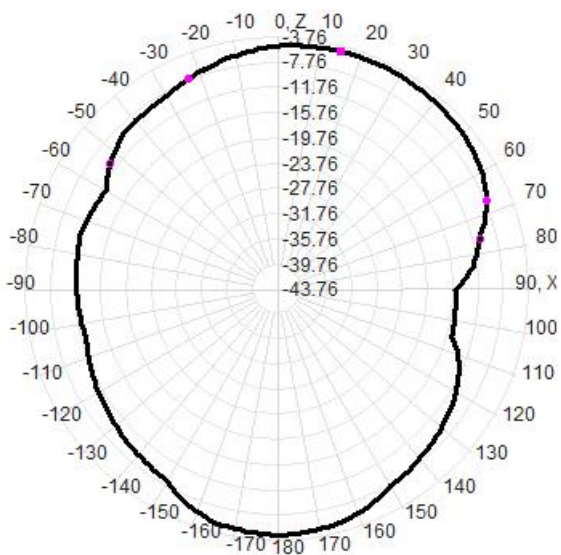


六. 辐射方向图 (Radiation pattern) sub-1g

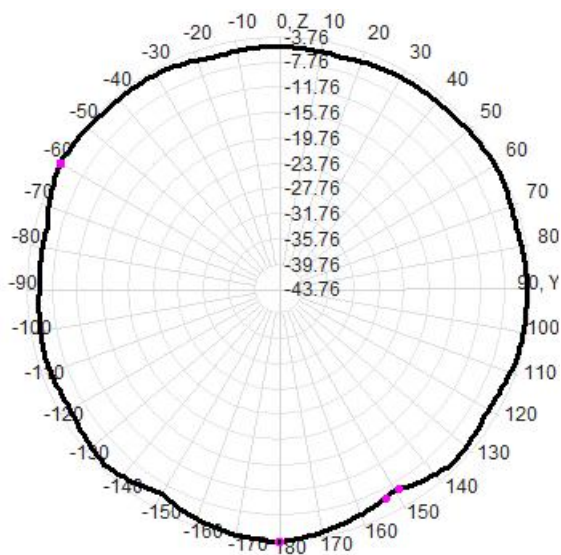
915MHZ



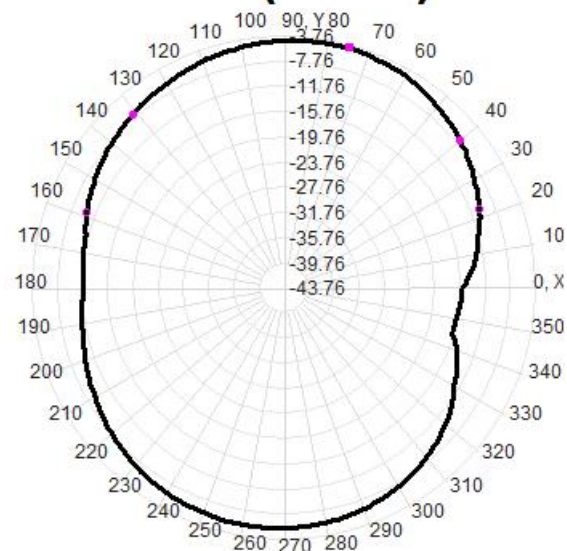
Total(E1-XZ)



Total(E2-YZ)



Total(H-XY)

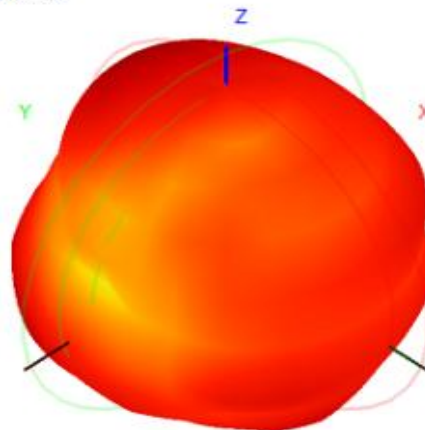
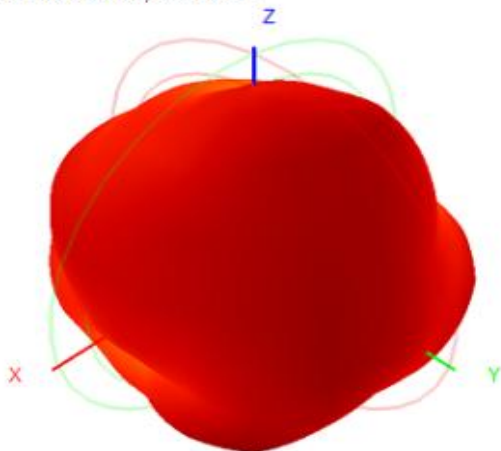


六. 辐射方向图 (Radiation pattern)

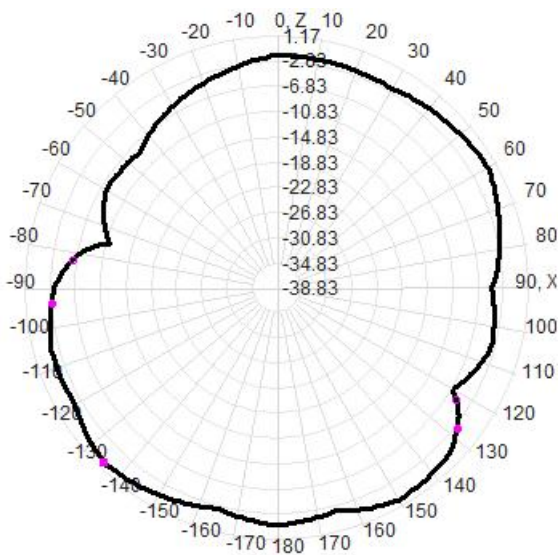
2400MHZ

2400.0MHz Total, Eff: 63.8%

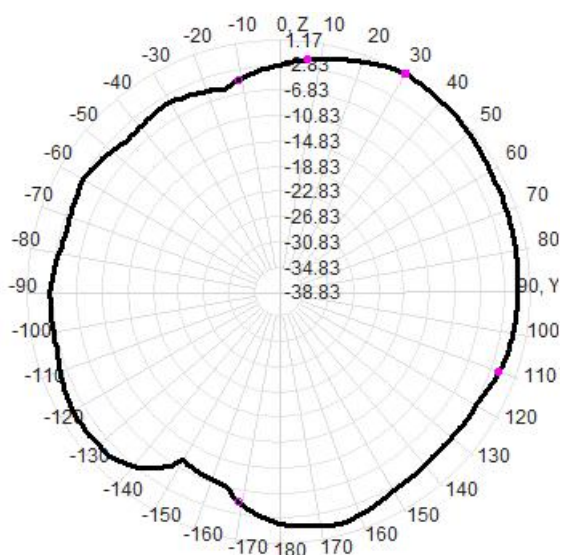
Back View



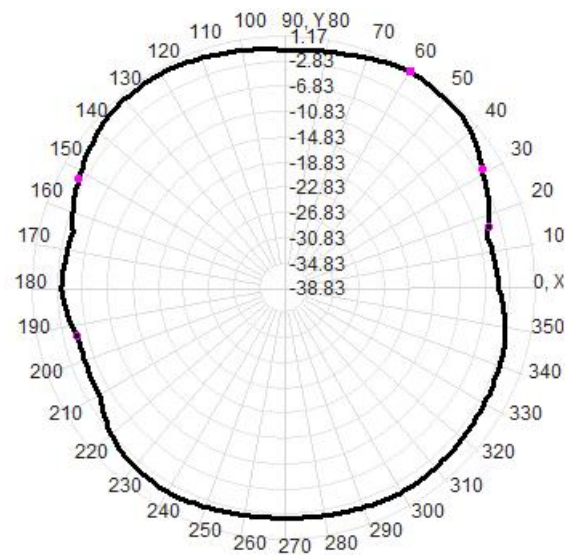
Total(E1-XZ)



Total(E2-YZ)

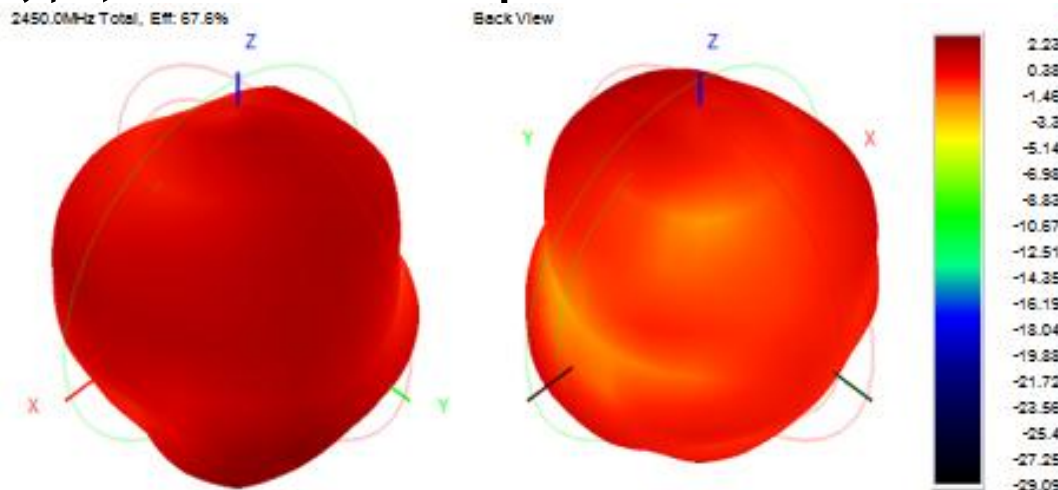


Total(H-XY)

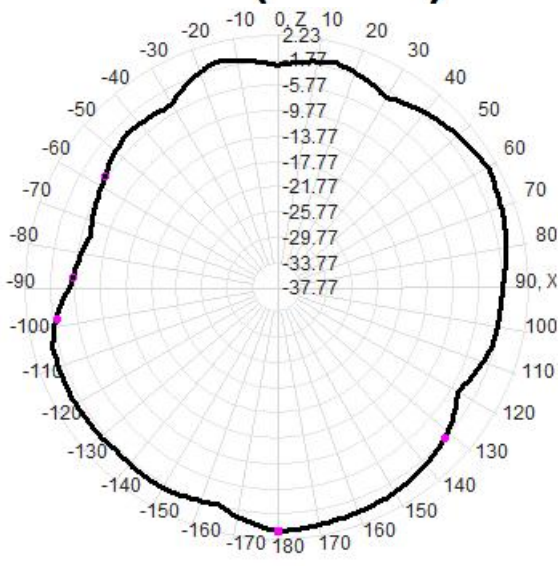


六. 辐射方向图 (Radiation pattern)

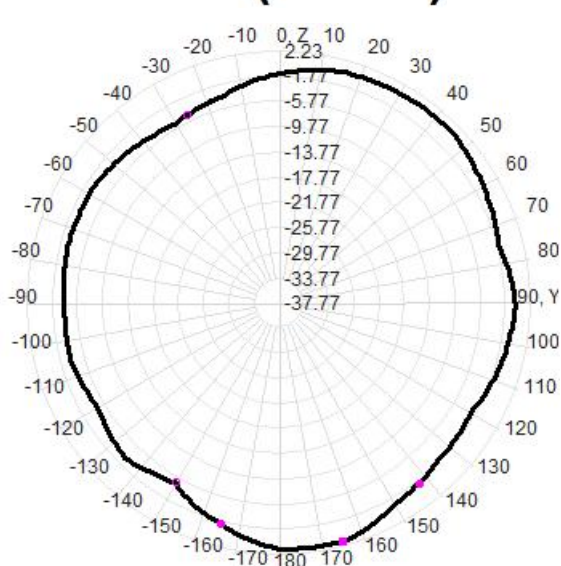
2450MHZ



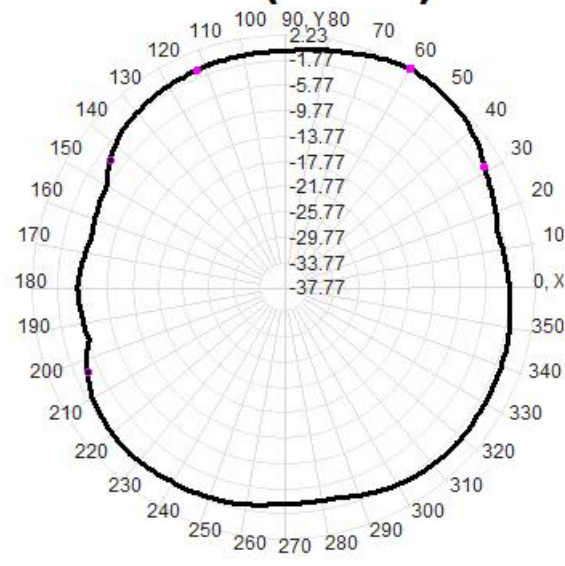
Total(E1-XZ)



Total(E2-YZ)

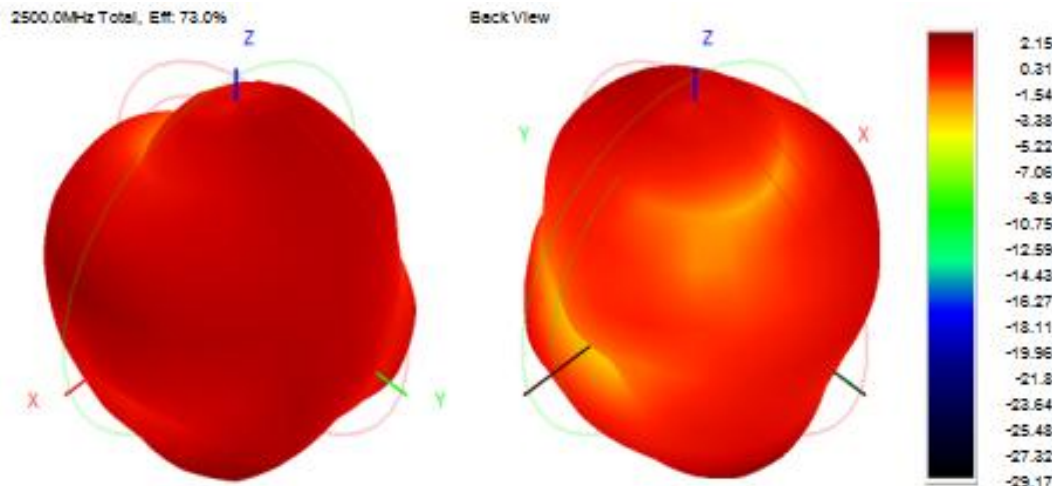


Total(H-XY)

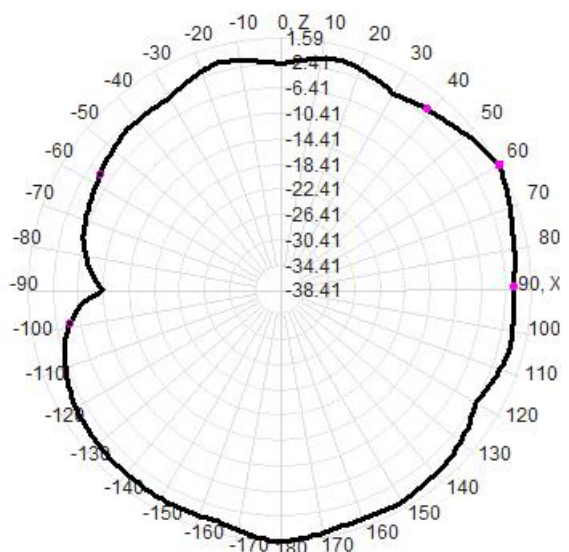


六. 辐射方向图 (Radiation pattern)

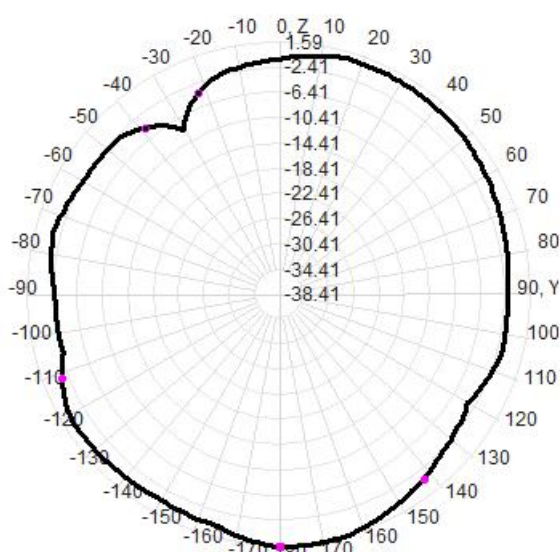
2500MHZ



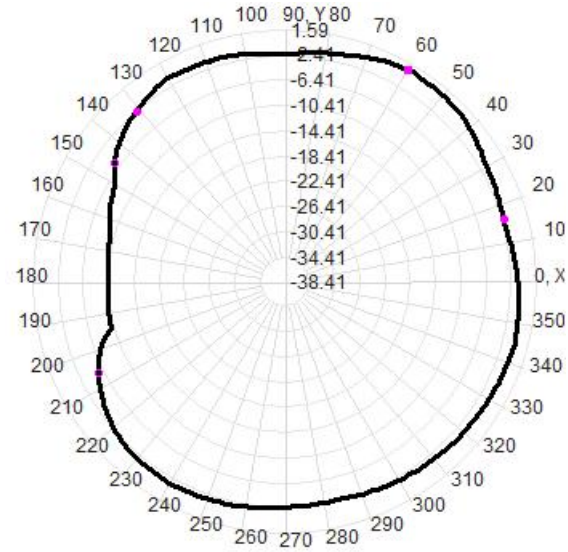
Total(E1-XZ)



Total(E2-YZ)

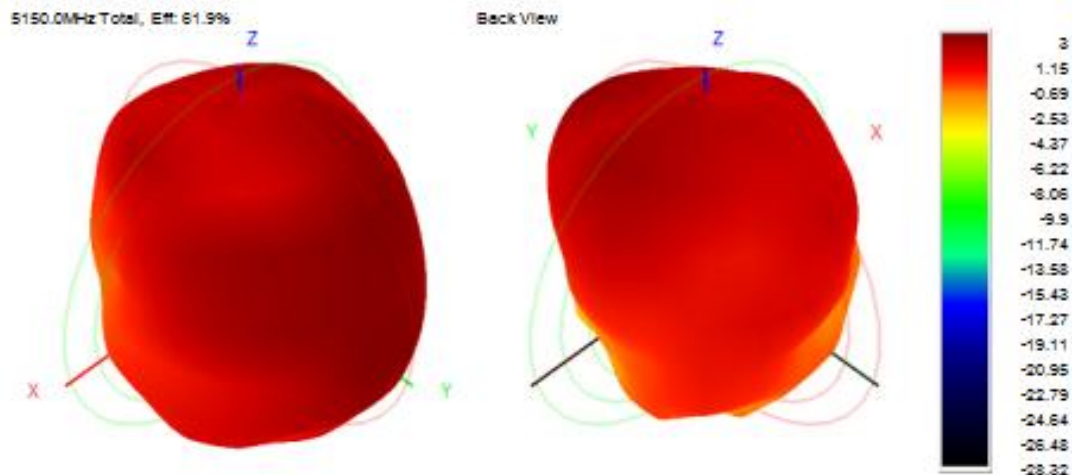


Total(H-XY)

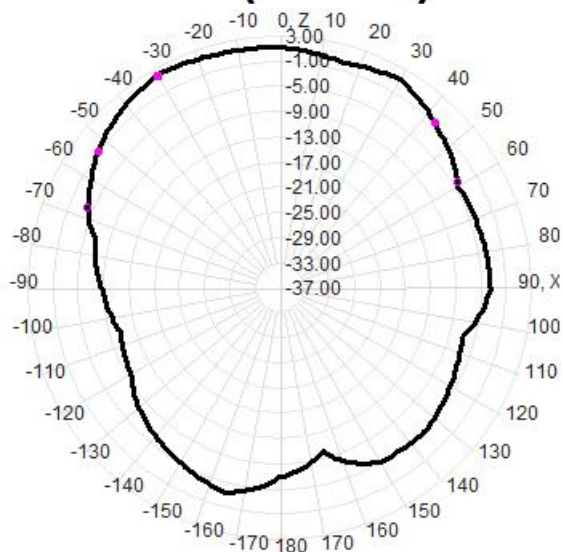


六. 辐射方向图 (Radiation pattern)

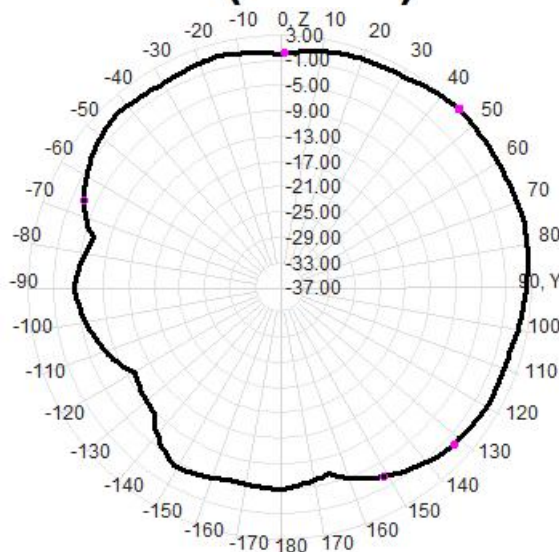
5150MHZ



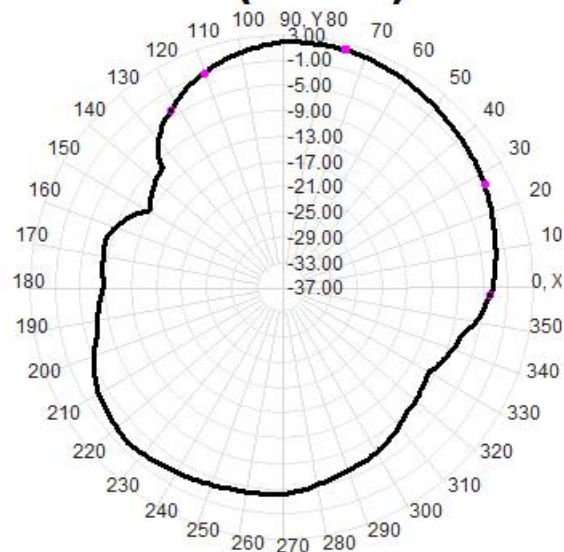
Total(E1-XZ)



Total(E2-YZ)

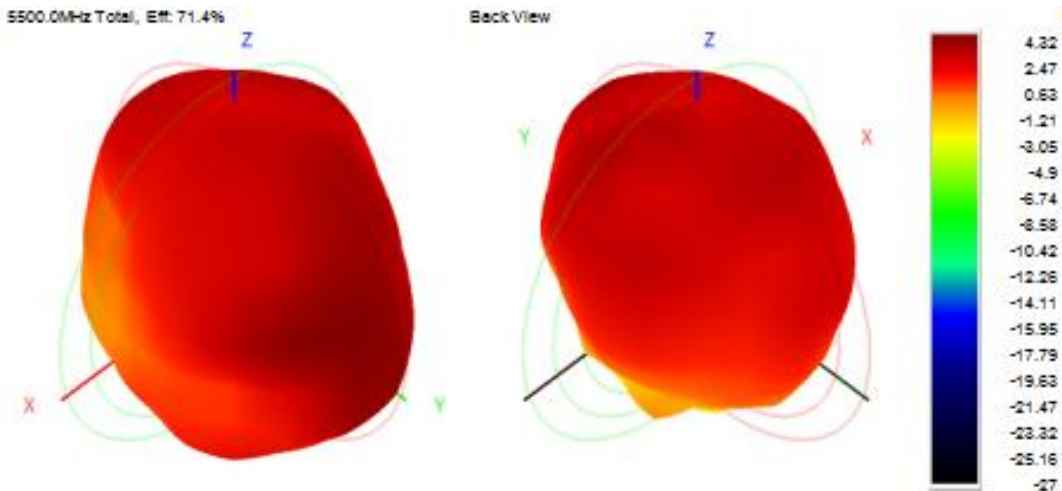


Total(H-XY)

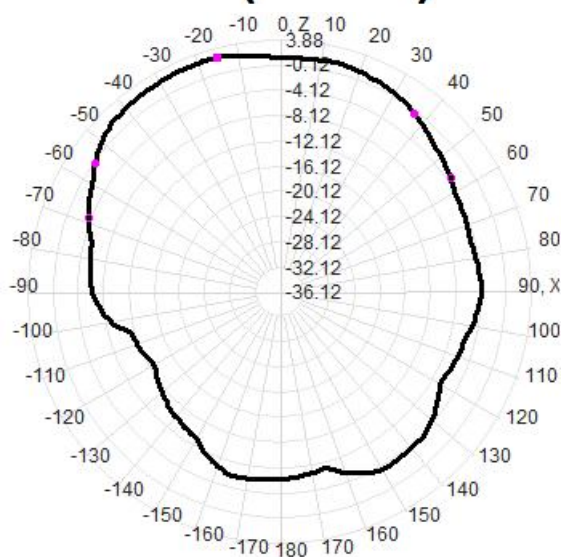


六. 辐射方向图 (Radiation pattern)

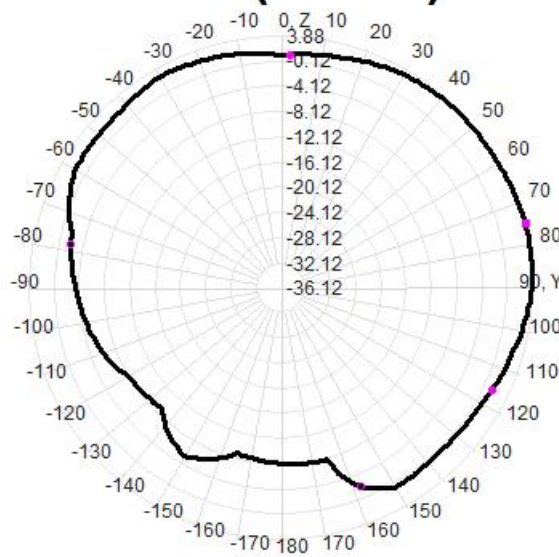
5500MHZ



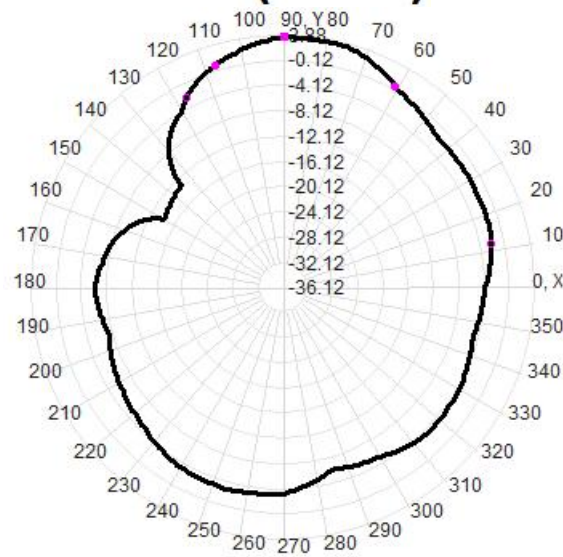
Total(E1-XZ)



Total(E2-YZ)

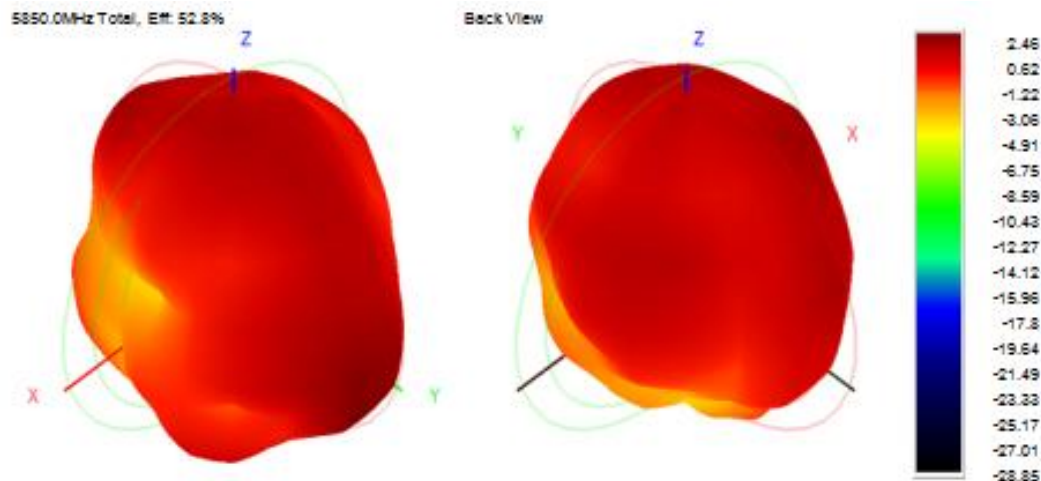


Total(H-XY)

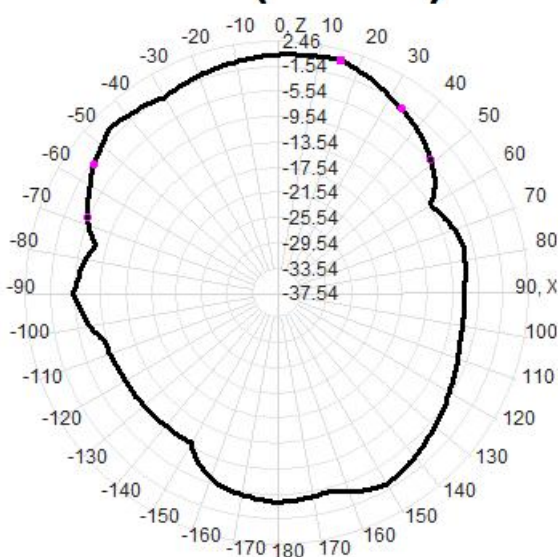


六. 辐射方向图 (Radiation pattern)

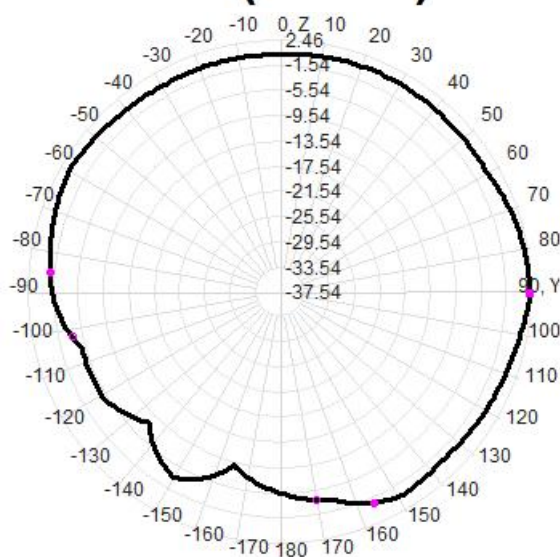
5850MHZ



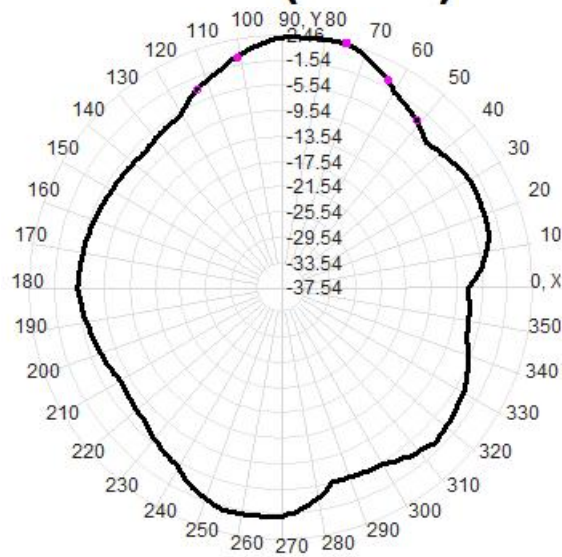
Total(E1-XZ)



Total(E2-YZ)



Total(H-XY)



七. 无源效率、增益（Passive efficiency and gain） sub-1g

Frequency ID	Frequency (MHz)	Efficiency (%)	Directivity (dB)
1	880.0	10.90	3.68
2	885.0	12.57	3.77
3	890.0	14.09	3.80
4	895.0	15.53	3.86
5	900.0	17.24	3.83
6	905.0	18.80	3.69
7	910.0	20.32	3.52
8	915.0	21.33	3.36
9	920.0	22.05	3.14
10	925.0	22.86	3.25
11	930.0	22.83	3.29
12	935.0	23.18	3.26
13	940.0	22.29	3.15
14	945.0	21.79	3.05
15	950.0	21.09	3.06

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七. 无源效率、增益（Passive efficiency and gain） WiFi

Frequency ID	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)	Frequency ID	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1	2400.0	-1.95	2.32	63.83	12	5150.0	-2.08	3.00	61.87
2	2410.0	-1.91	2.59	64.46	13	5185.0	-1.69	3.72	67.69
3	2420.0	-1.87	2.51	64.95	14	5220.0	-1.71	3.52	67.52
4	2430.0	-1.75	2.21	66.79	15	5255.0	-1.11	4.19	77.37
5	2440.0	-1.85	1.98	65.34	16	5290.0	-1.44	4.28	71.76
6	2450.0	-1.70	2.23	67.58	17	5325.0	-0.99	4.95	79.55
7	2460.0	-1.70	2.18	67.54	18	5360.0	-1.46	4.22	71.42
8	2470.0	-1.52	2.31	70.53	19	5395.0	-1.96	3.64	63.69
9	2480.0	-1.44	2.30	71.81	20	5430.0	-1.18	4.20	76.14
10	2490.0	-1.49	2.19	70.90	21	5465.0	-1.10	4.61	77.70
11	2500.0	-1.37	2.15	72.98	22	5500.0	-1.46	4.32	71.44
					23	5535.0	-1.68	3.64	67.94
					24	5570.0	-1.00	4.47	79.46
					25	5605.0	-0.90	4.68	81.30
					26	5640.0	-1.01	4.77	79.33
					27	5675.0	-1.36	4.16	73.03
					28	5710.0	-2.00	3.87	63.08
					29	5745.0	-1.51	4.37	70.64
					30	5780.0	-1.68	3.73	67.98
					31	5815.0	-2.71	3.15	53.63
					32	5850.0	-2.77	2.46	52.84

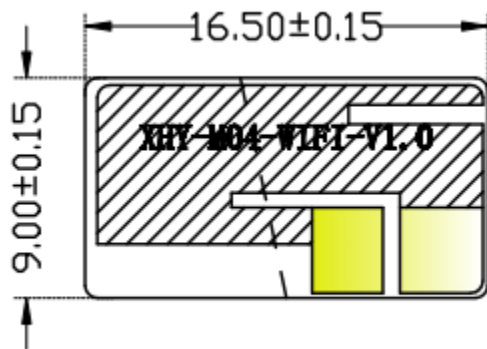
八. 有源数据WiFi OTA

Test Condition		OTA	
Band	Channel	TRP (dBm)	TIS (dBm)
802.11B.11M	1	19.04	-87.6
	6	18.32	-87.32
	11	19.34	-89.22
802.11G.54M	1	19.29	-72.28
	6	19.1	-75.69
	11	19.03	-76.12
802.11N.MCS7	1	18.75	-55.18
	6	18.99	-60.63
	11	19.23	-58.37
802.11A.54M	149	15.69	-73.32
	157	15.09	-76.36
	165	14.28	-76.78

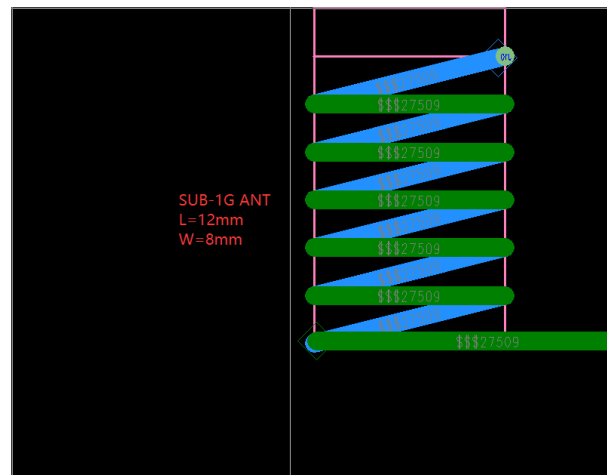
九. 环境处理 (Environmental treatment)

按贵司装机方式

蓝牙/WiFi



LoRa



Manufacturer: Shenzhen Xinhengyang Technology Co., Ltd

Address: 1st Floor, Building B, Aerospace Micro motor Building,
No. 7 Langshan 2nd Road, Xili Street, Nanshan District,
Shenzhen

十. 总结 (Summarize)

总结:

1、以上数据为样品天线的测试数据，待送样给贵司测试。



深圳市鑫恒阳科技有限公司

谢 谢

如有疑问，请电话沟通

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传真：0755-88355591 网址：<http://XHY-2008.com>

邮箱：gc@xhy-2008.com QQ：84223786

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