

wb663u.9天线方案报告

调 试 报 告

版本: V2.0

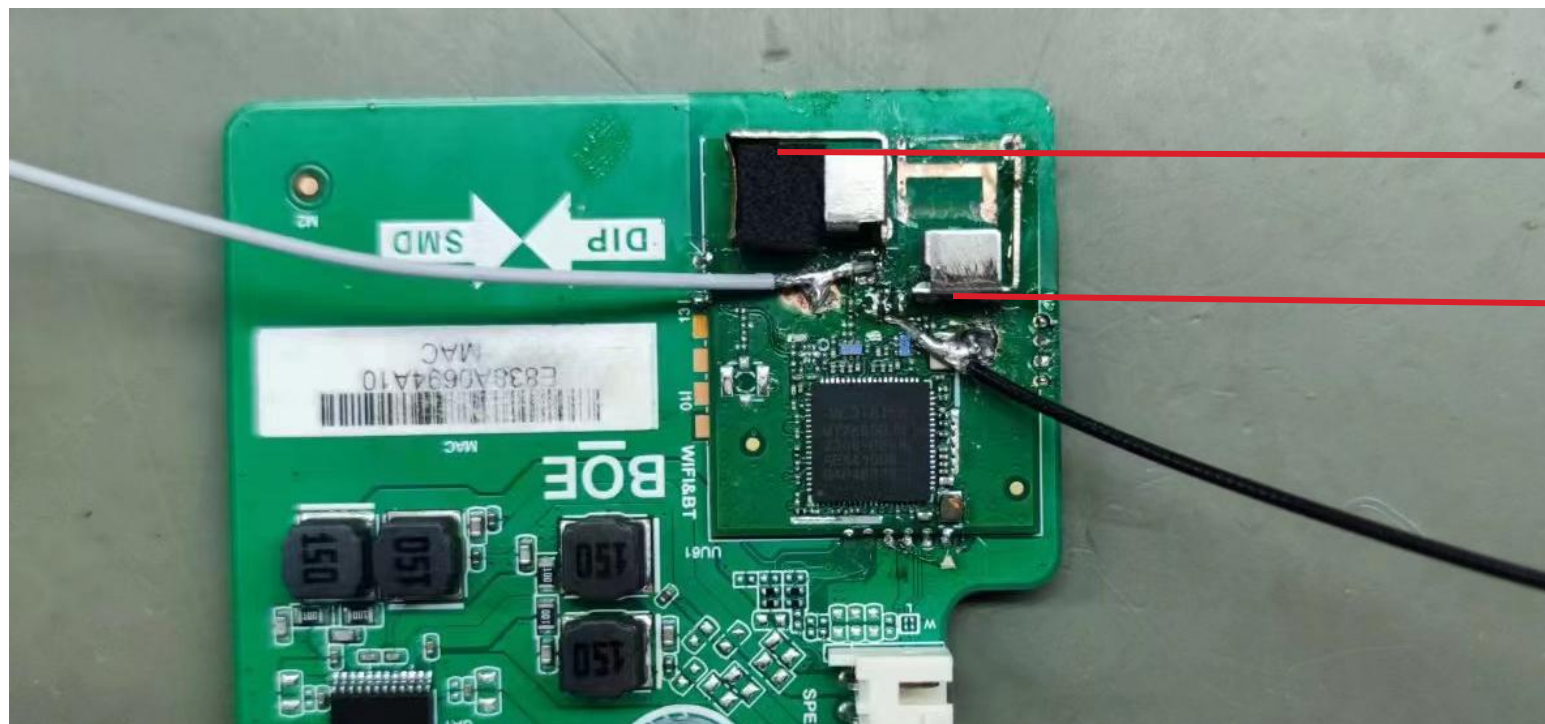
中天迅			
射频	冯家能	结构	覃乐
审核	韦进	业务	杨万里
公司地址	深圳市宝安石岩石龙大道34号		
项目信息			
项目名称	wb663u.9	机型版本	v1
天线类型	弹片	方案公司	中天迅
天线制式	2.4G+5g	日期	2023.9.21
备注：			

1Add:深圳市宝安区石岩街道石龙大道34号
TEL:0755-27588360 /27572127 FAX:0755-27588320
1Website:www.chinaztx.com

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- 整体方案设计
- 天线调试数据

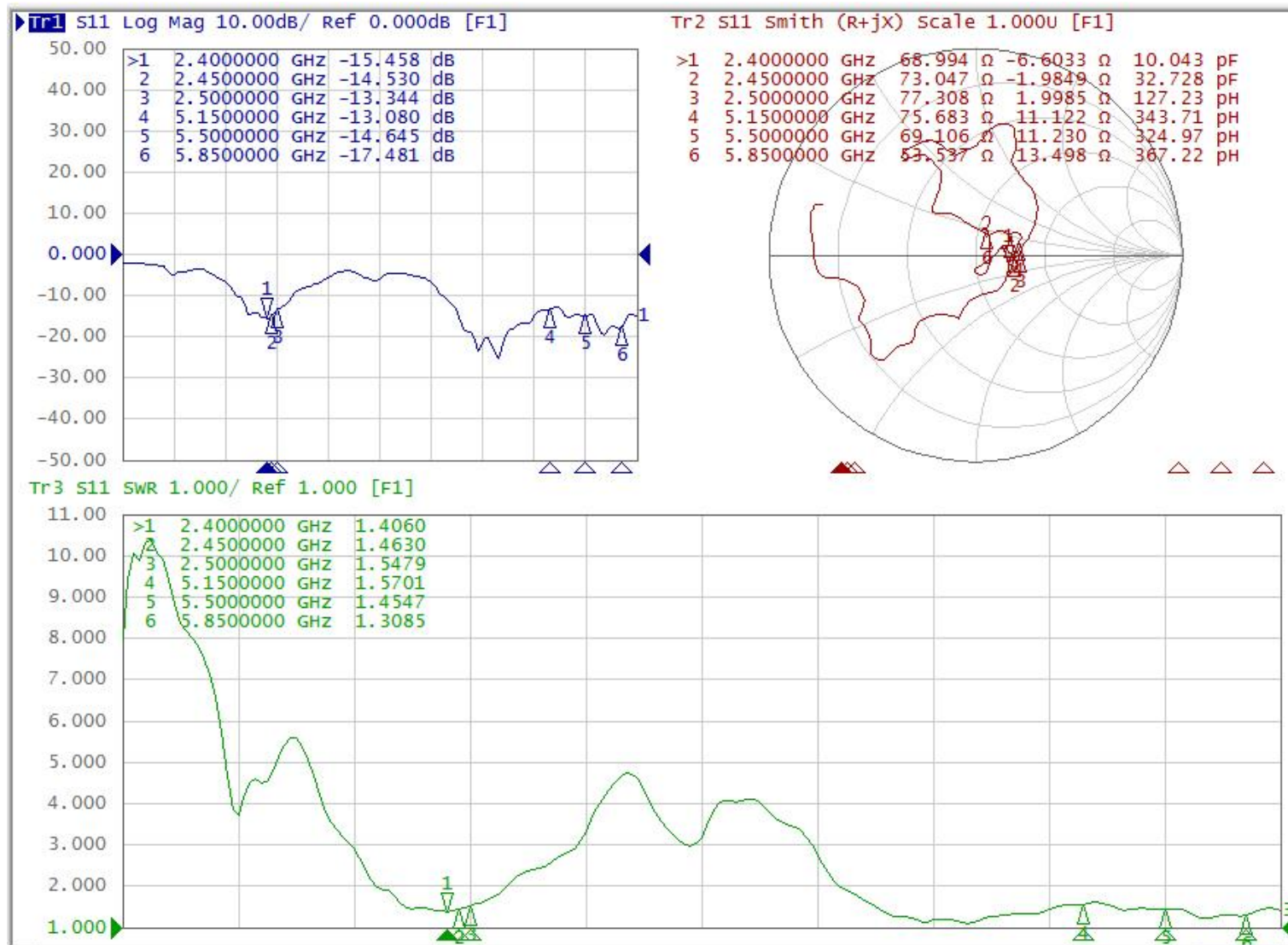
天线放置位置



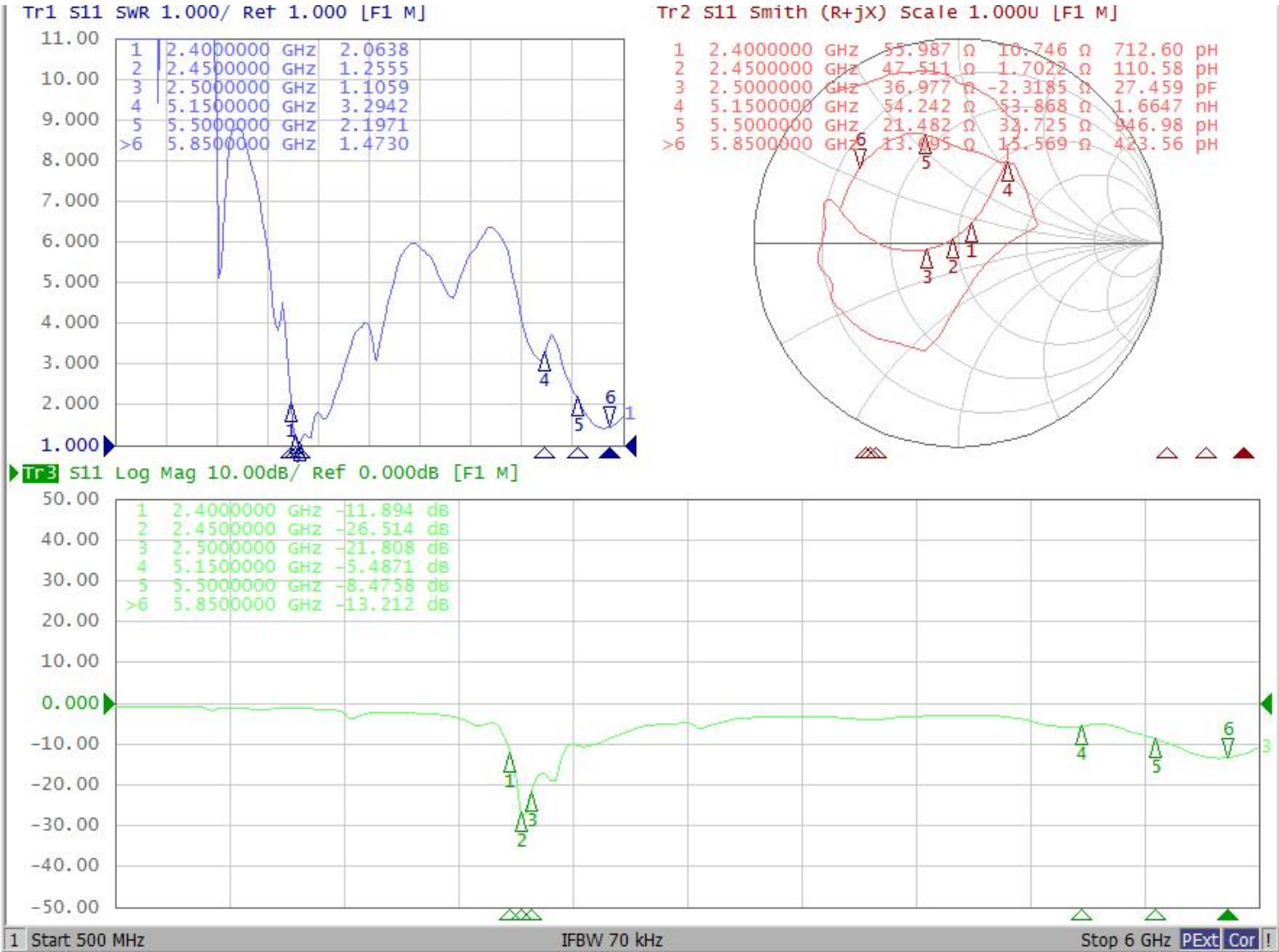
●wifi0

●wifi1

天线WiFi0测试数据:VSWR



天线WiFi1测试数据:VSWR



天线WiFi0测试数据:效率/增益



Frequency	Efficiency	Efficiency . dB	Gain . dB
2400	42%	-3.77	3.41
2410	42%	-3.77	3.62
2420	43%	-3.67	3.61
2430	42%	-3.77	3.82
2440	40%	-3.98	3.79
2450	44%	-3.57	3.75
2460	42%	-3.77	3.18
2470	45%	-3.47	2.90
2480	43%	-3.67	2.61
2490	45%	-3.47	2.95
2500	43%	-3.67	2.97

5150	45%	-3.50	2.97
5200	46%	-3.39	2.76
5250	44%	-3.57	3.27
5300	43%	-3.67	3.38
5350	42%	-3.77	4.37
5400	44%	-3.57	4.19
5450	42%	-3.77	4.43
5500	42%	-3.77	4.56
5550	45%	-3.47	4.40
5600	45%	-3.47	4.53
5650	48%	-3.19	3.94
5700	46%	-3.37	3.80
5750	43%	-3.67	3.64
5800	47%	-3.28	3.55
5850	46%	-3.37	3.82

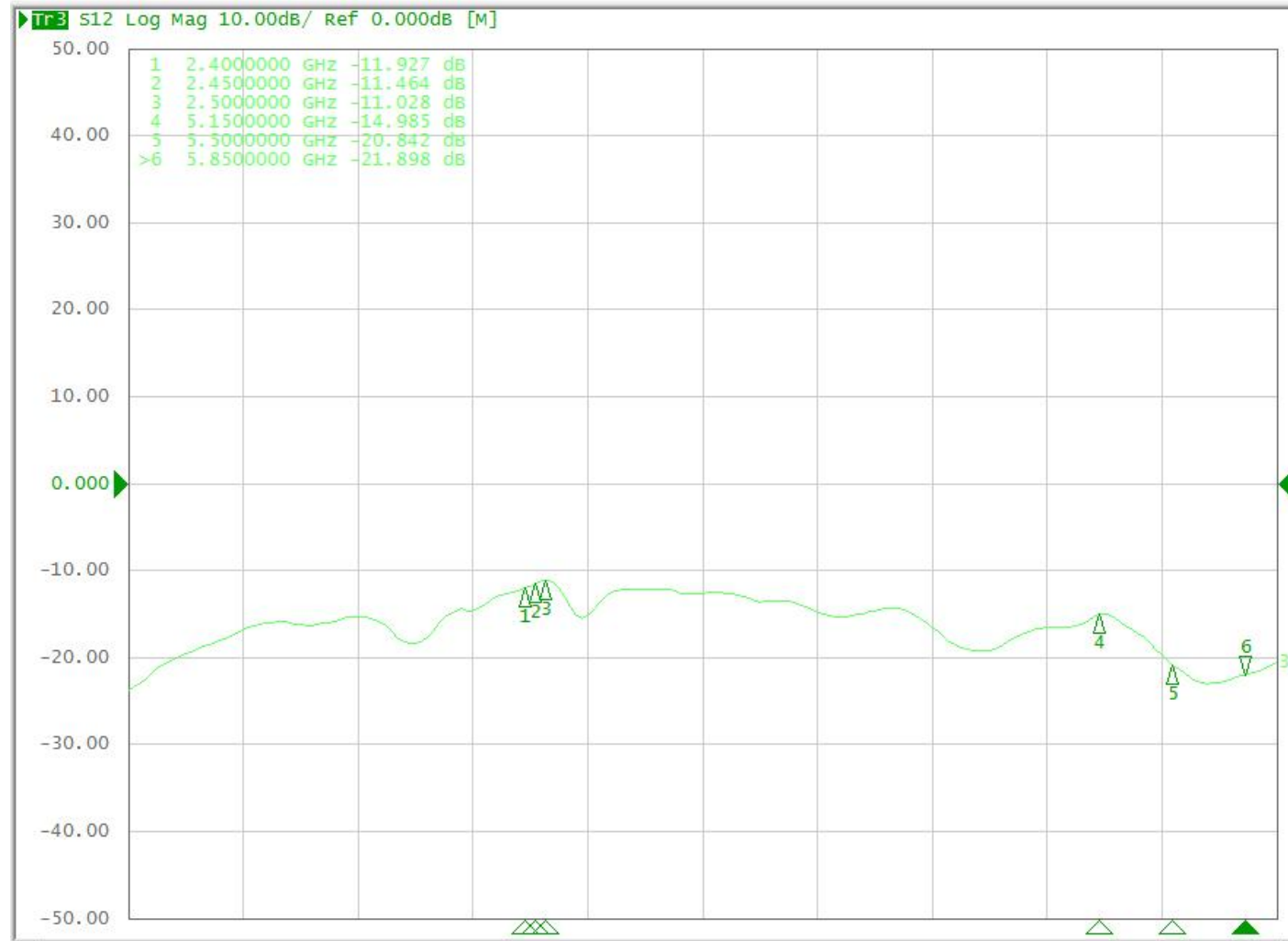
天线WiFi1测试数据:效率/增益



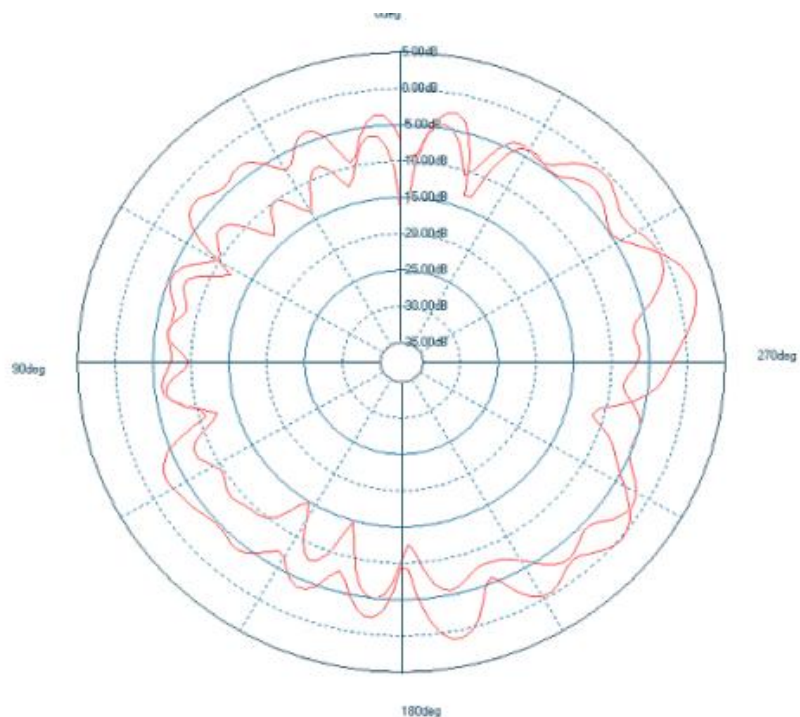
Frequency	Efficiency	Efficiency . dB	Gain . dB
2400	33%	-4.81	2.35
2410	35%	-4.56	3.43
2420	33%	-4.81	2.65
2430	34%	-4.69	3.04
2440	35%	-4.56	3.48
2450	34%	-4.69	3.66
2460	33%	-4.81	3.75
2470	35%	-4.56	3.70
2480	35%	-4.56	3.82
2490	35%	-4.56	4.13
2500	34%	-4.69	4.09

5150	40%	-3.98	2.21
5200	43%	-3.67	1.91
5250	44%	-3.57	2.44
5300	43%	-3.67	2.17
5350	42%	-3.77	1.21
5400	38%	-4.20	2.06
5450	37%	-4.32	2.58
5500	36%	-4.44	2.29
5550	35%	-4.56	2.32
5600	37%	-4.32	2.80
5650	38%	-4.20	2.44
5700	36%	-4.44	2.02
5750	34%	-4.69	1.74
5800	36%	-4.44	1.90
5850	36%	-4.44	2.19

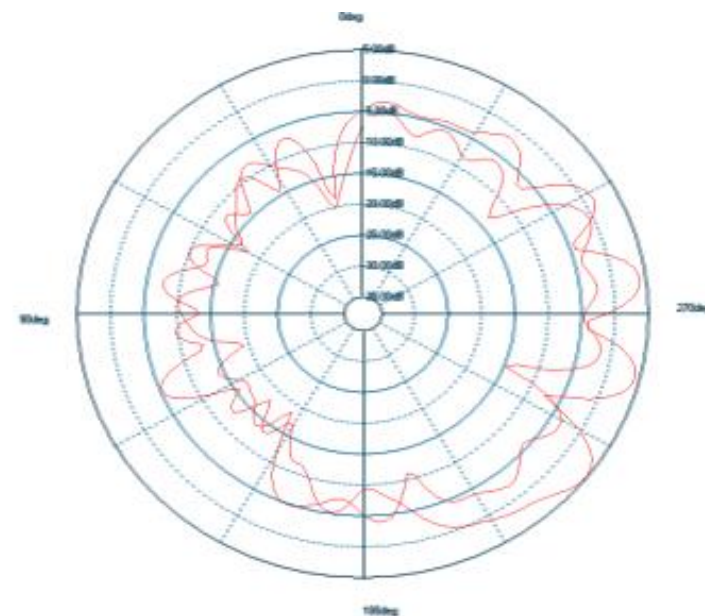
wifi0和wifi1隔离度



合成方向不圆度



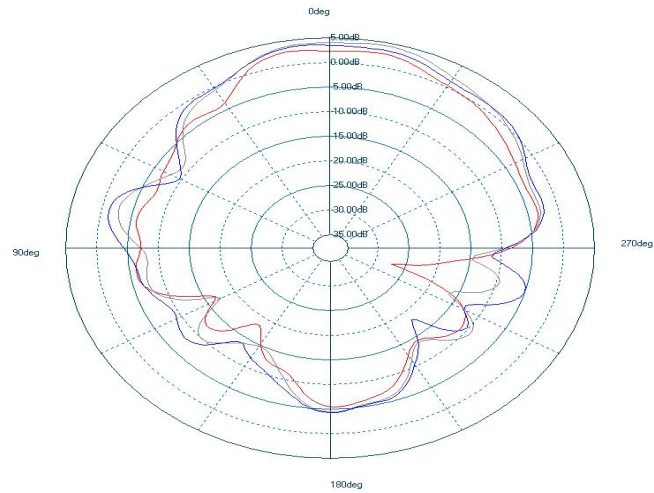
●2.4G不圆度：14db



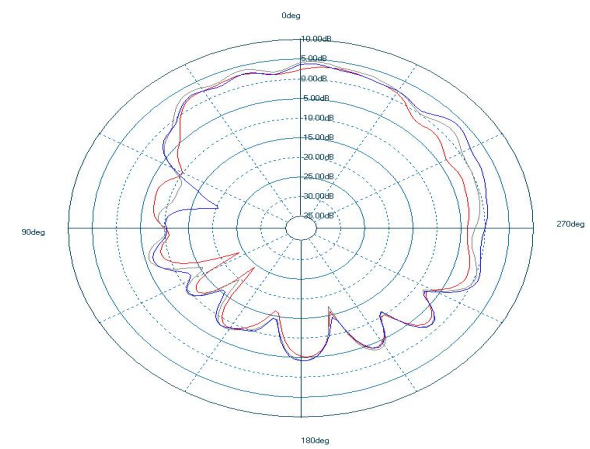
●5G不圆度：20db

WiFi0-2.4G-方向图

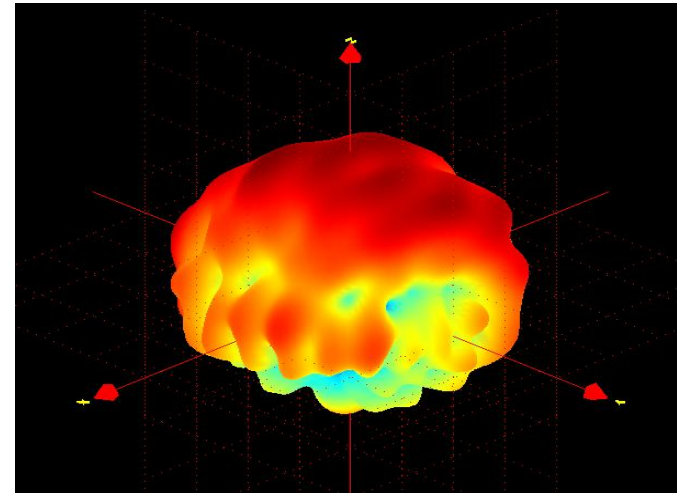
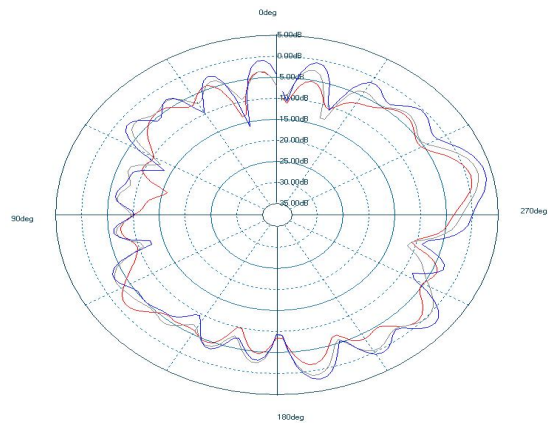
XOZ面



YOZ面

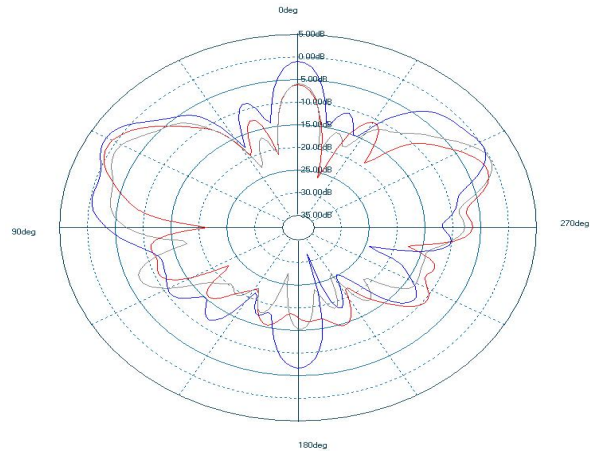


XOY面

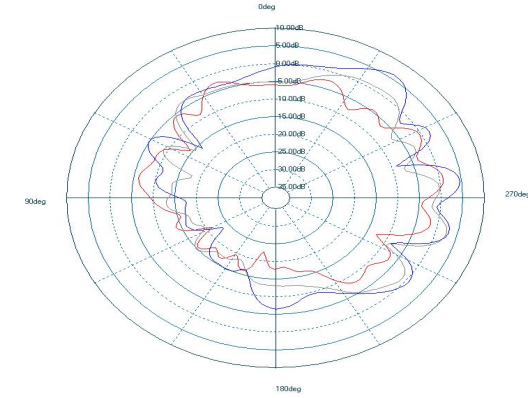


WiFi0-5G-方向图

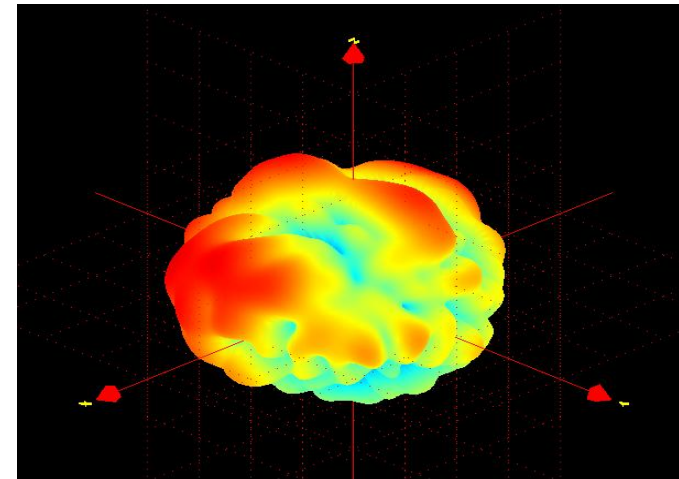
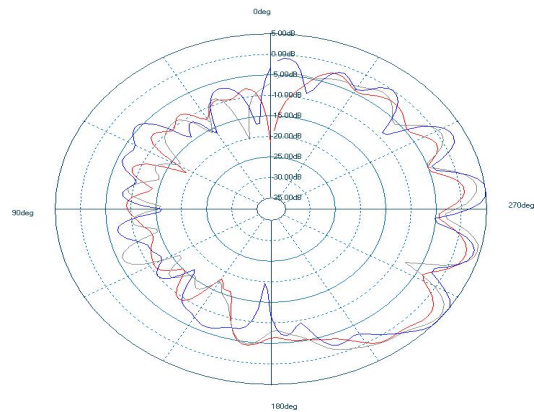
XOZ面



YOZ面

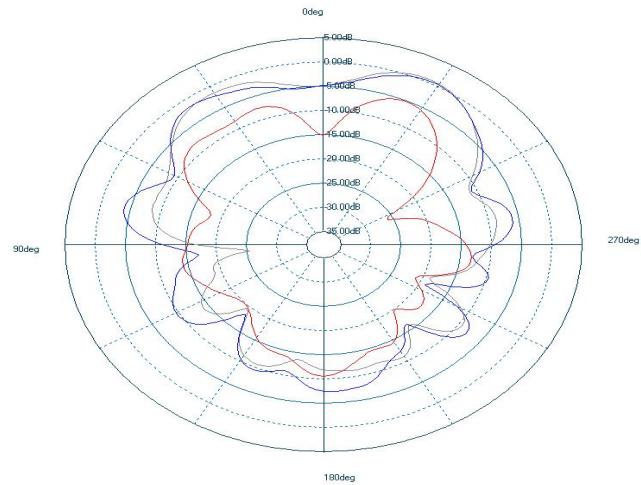


XOY面

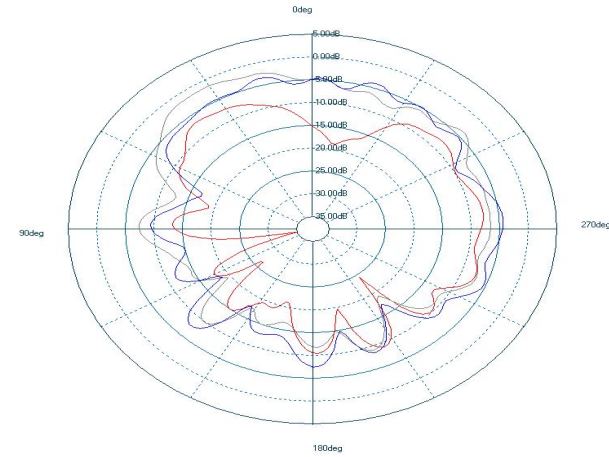


WiFi1-2.4G-方向图

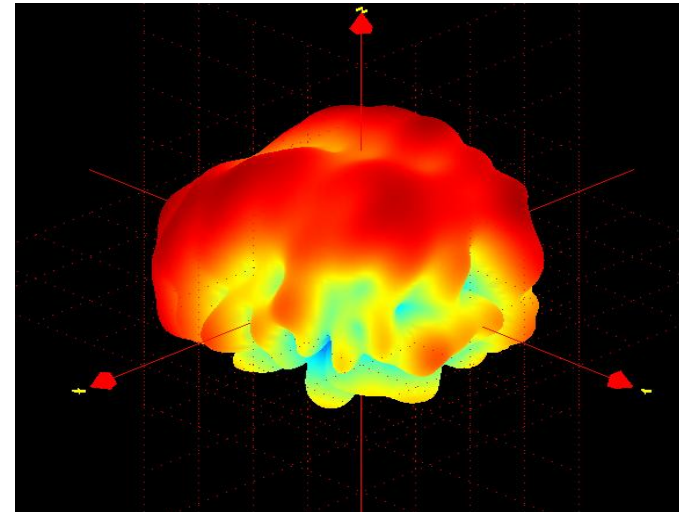
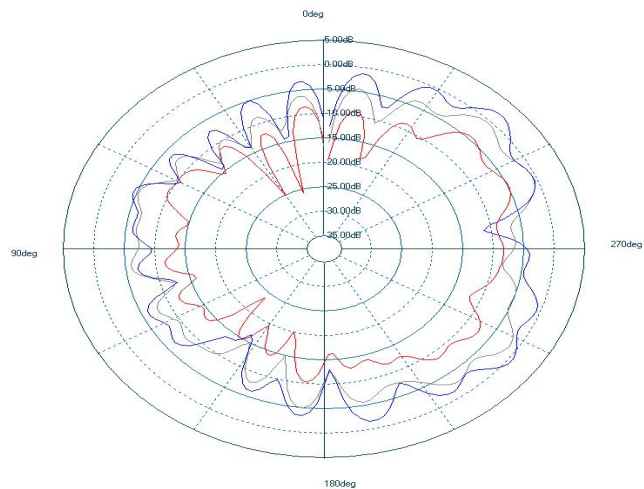
XOZ面



YOZ面

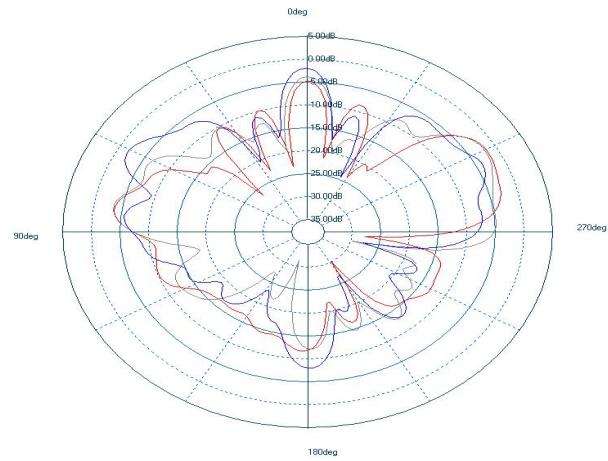


XOY面

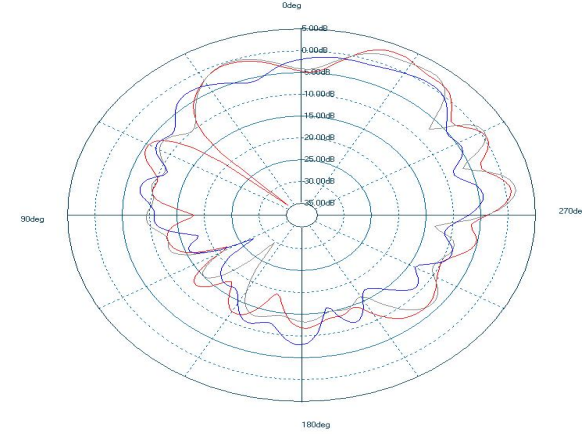


WiFi1-5G-方向图

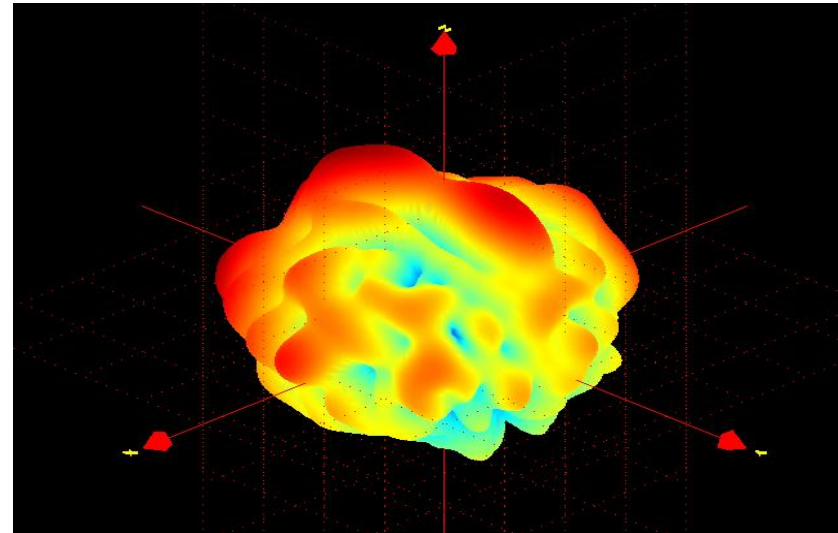
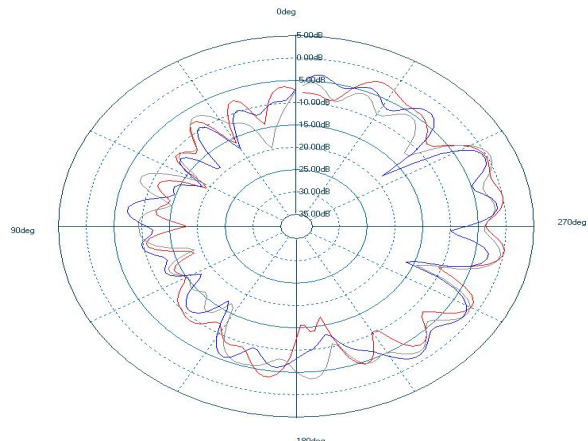
XOZ面



YOZ面



XOY面



Thank You

