

wb663u.9天线方案报告

调试报告

版本: V2.0

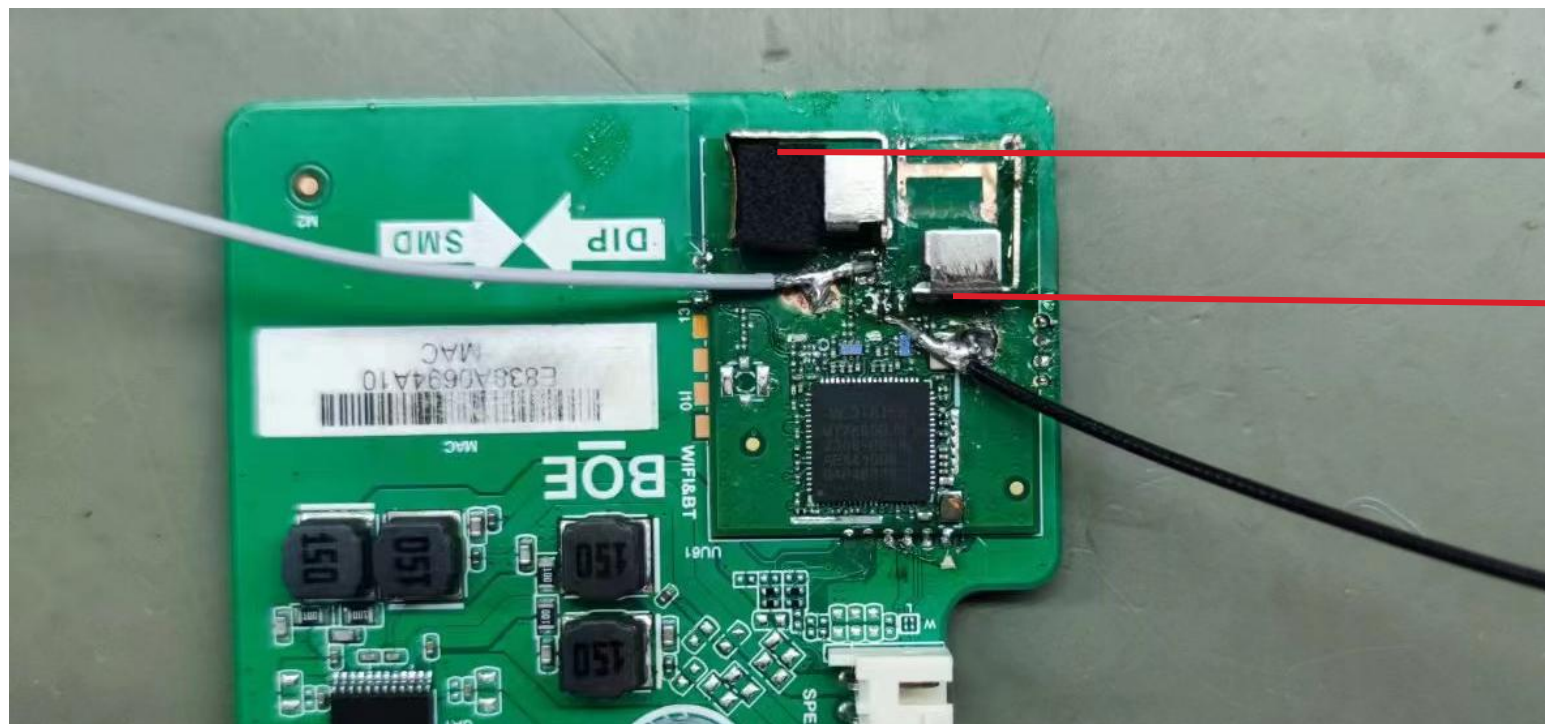
| 中天迅 | | | |
|------|-----------------|------|-----------|
| 射频 | 冯家能 | 结构 | 覃乐 |
| 审核 | 韦进 | 业务 | 杨万里 |
| 公司地址 | 深圳市宝安区石岩石龙大道34号 | | |
| 项目信息 | | | |
| 项目名称 | wb663u.9 | 机型版本 | v1 |
| 天线类型 | 弹片 | 方案公司 | 中天迅 |
| 天线制式 | 2.4G+5g | 日期 | 2023.9.21 |
| 备注: | | | |

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

目录

- 整体方案设计
- 天线调试数据

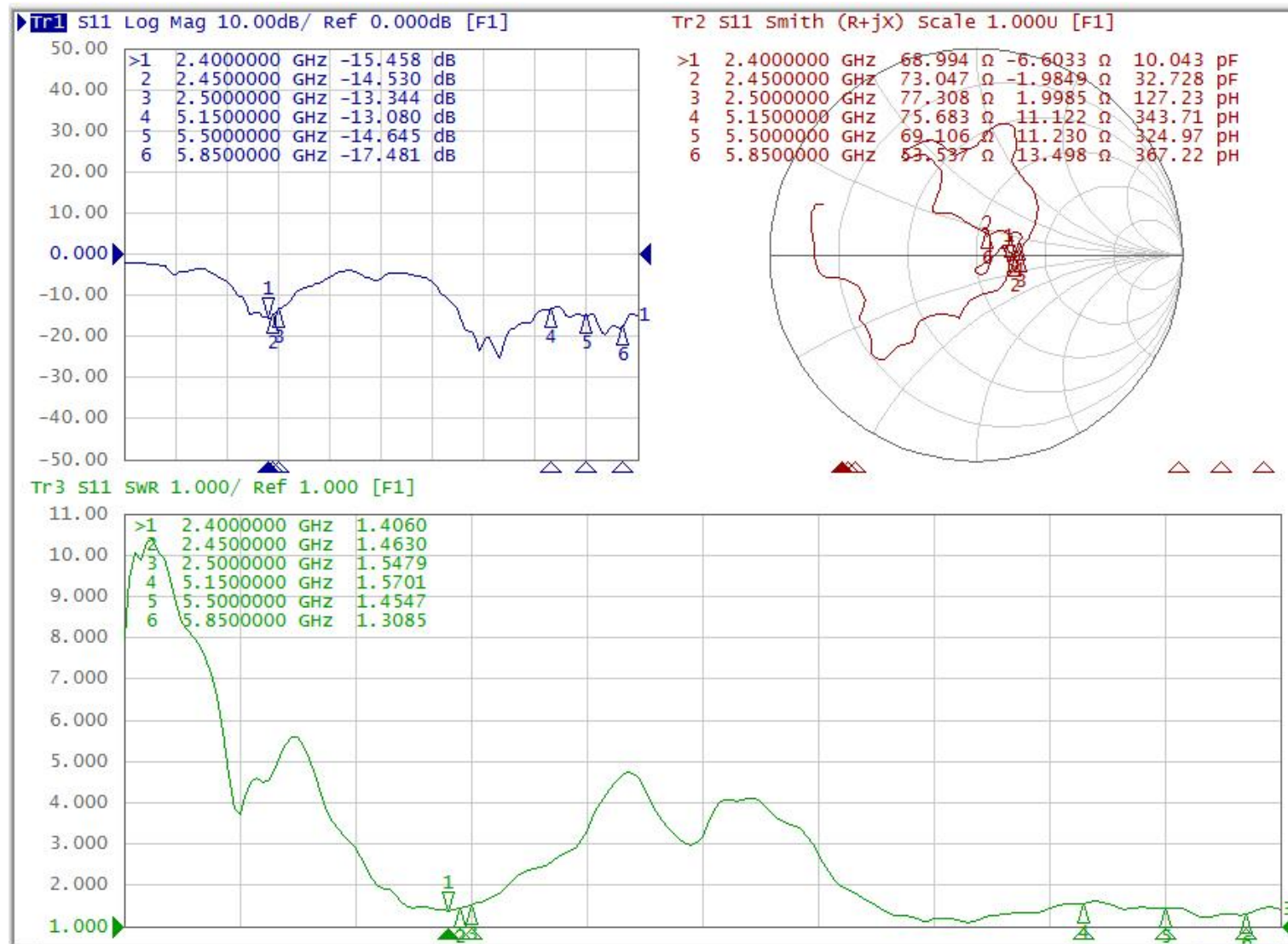
天线放置位置



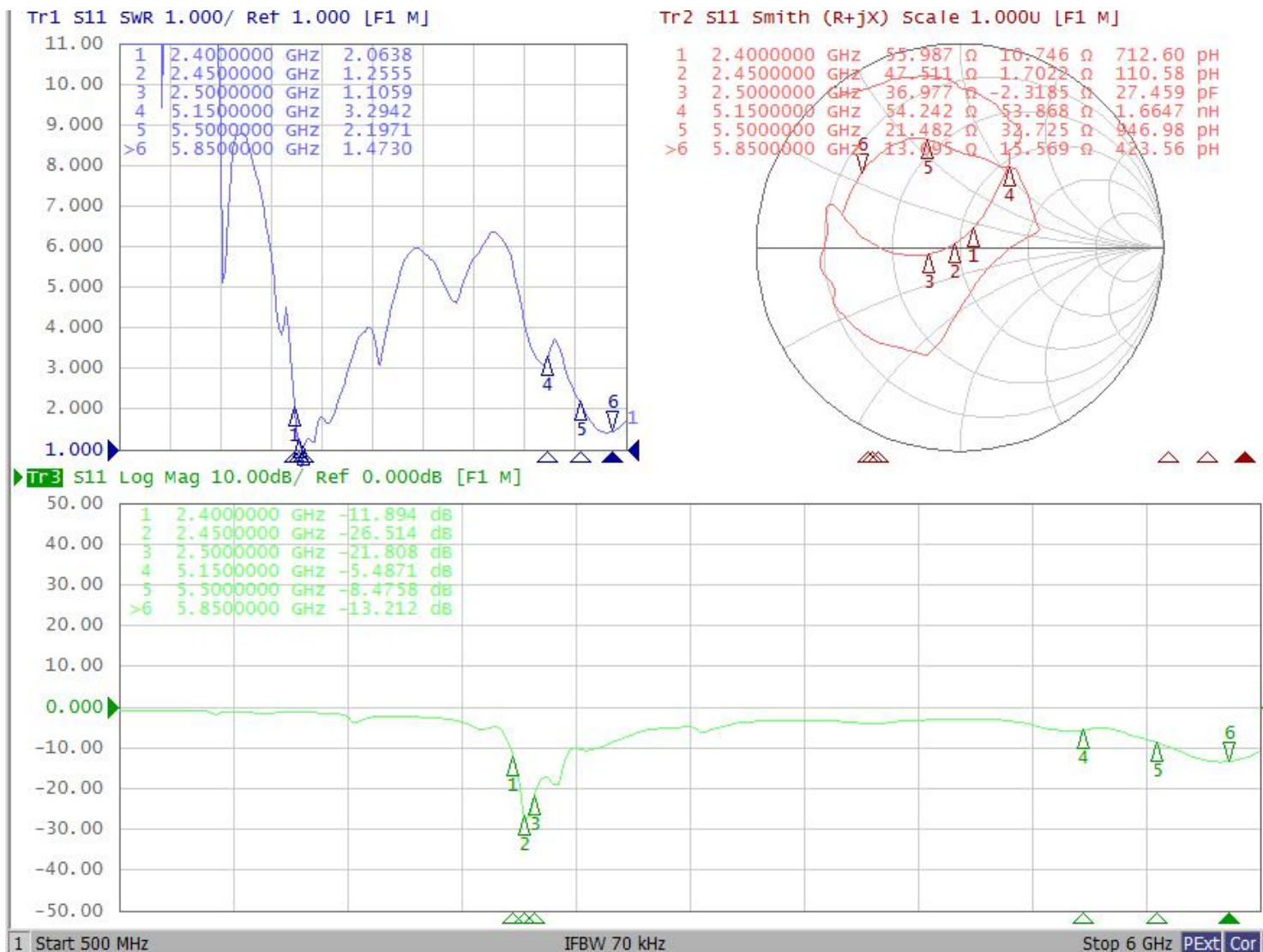
● wifi0

● 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 |

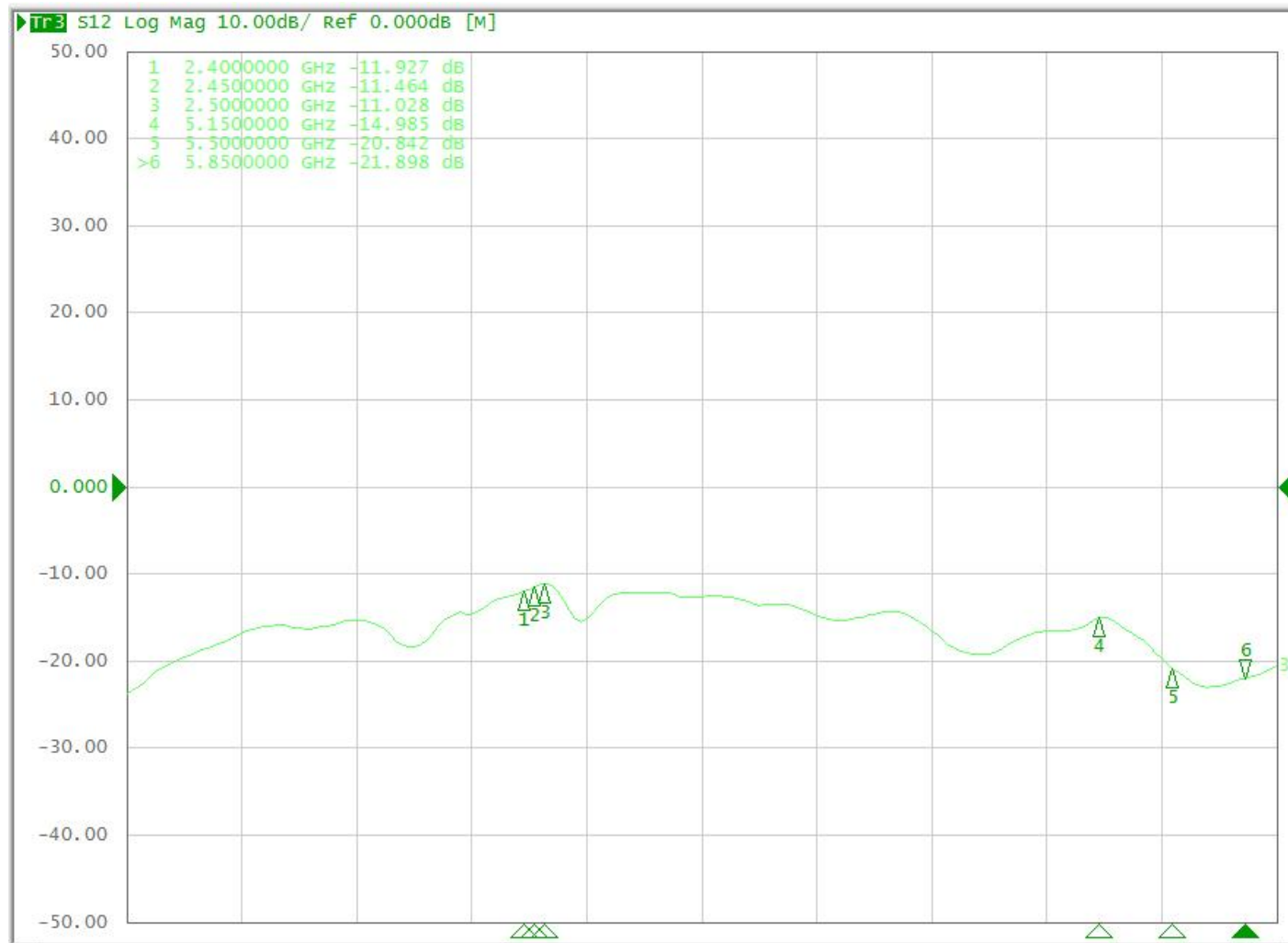
| | | | |
|------|-----|-------|------|
| 5150 | 45% | -3.50 | 2.97 |
| 5200 | 46% | -3.39 | 2.76 |
| 5250 | 44% | -3.57 | 3.27 |
| 5300 | 43% | -3.67 | 3.38 |
| 5350 | 42% | -3.77 | 4.37 |
| 5400 | 44% | -3.57 | 4.19 |
| 5450 | 42% | -3.77 | 4.43 |
| 5500 | 42% | -3.77 | 4.56 |
| 5550 | 45% | -3.47 | 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

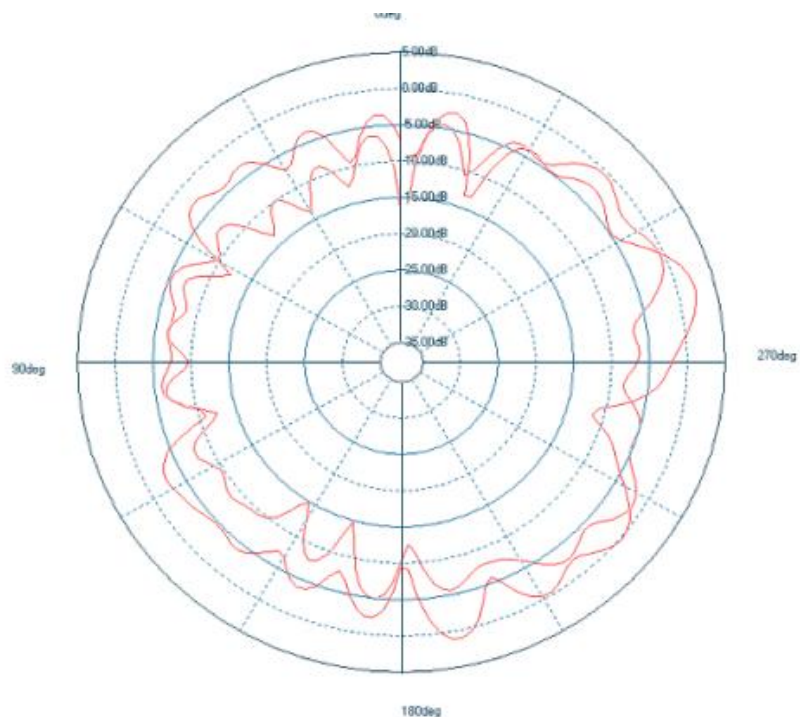
| Frequency | Efficiency | Efficiency . dB | Gain . dB |
|-----------|------------|-----------------|-----------|
| 2400 | 33% | -4.81 | 2.35 |
| 2410 | 35% | -4.56 | 3.43 |
| 2420 | 33% | -4.81 | 2.65 |
| 2430 | 34% | -4.69 | 3.04 |
| 2440 | 35% | -4.56 | 3.48 |
| 2450 | 34% | -4.69 | 3.66 |
| 2460 | 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 |

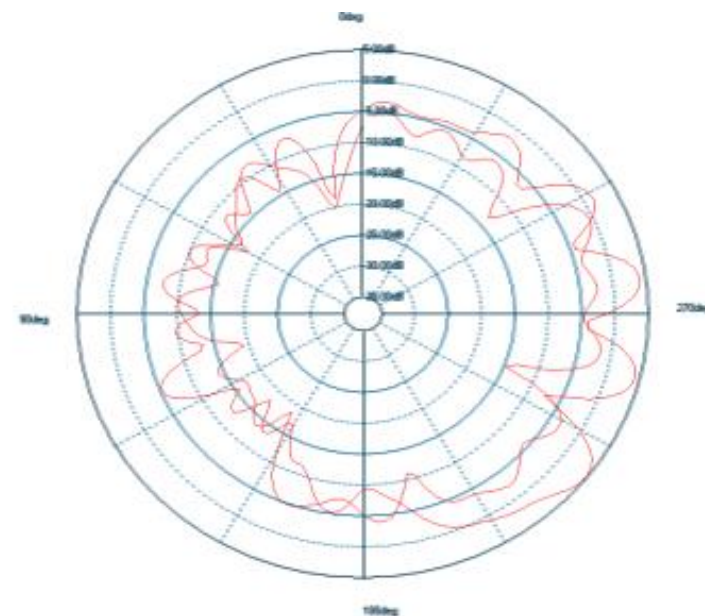
wifi0和wifi1隔离度



合成方向不圆度



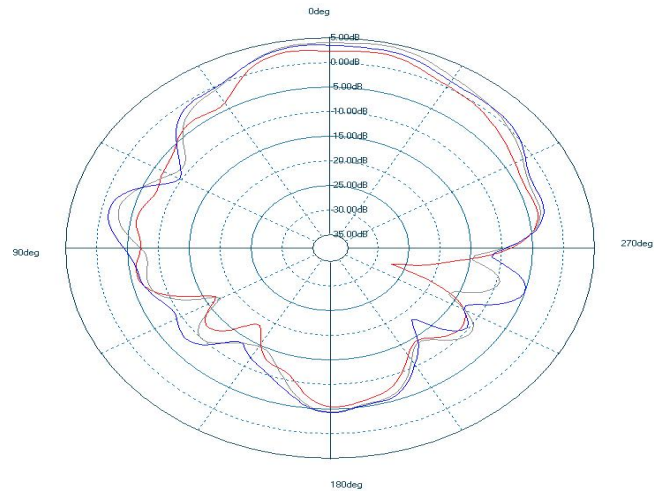
●2.4G不圆度：14db



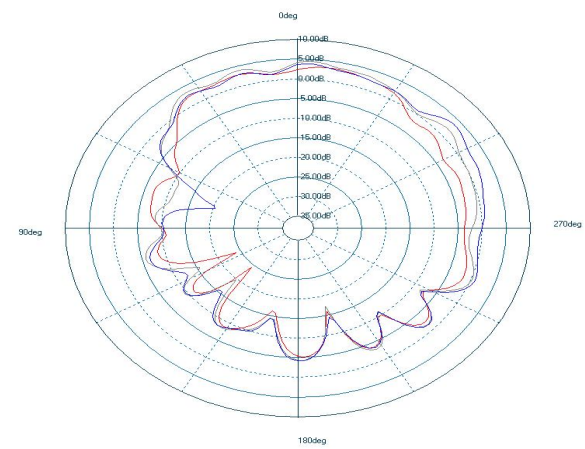
●5G不圆度：20db

WiFi0-2.4G-方向图

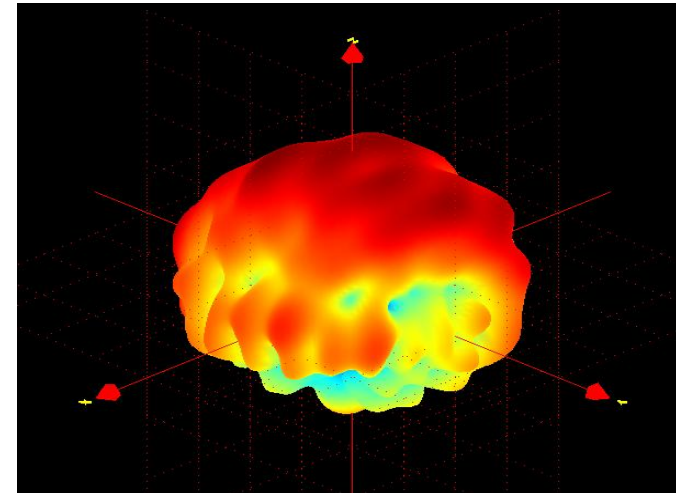
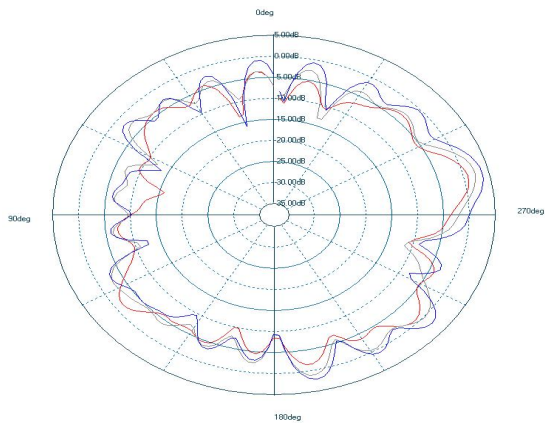
XOZ面



YOZ面

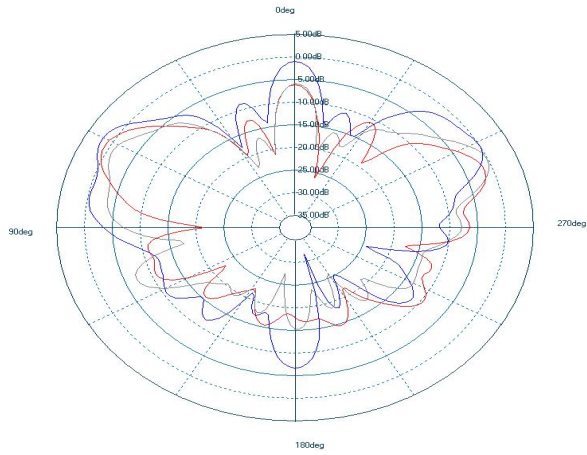


XOY面

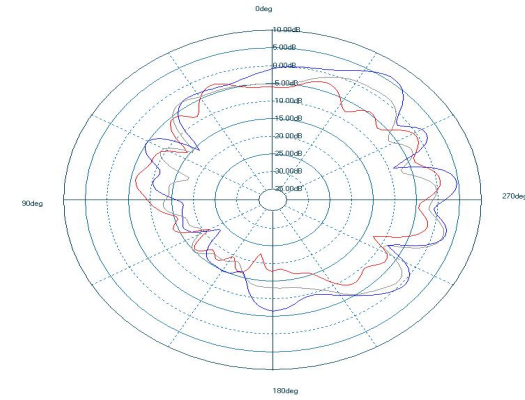


WiFi0-5G-方向图

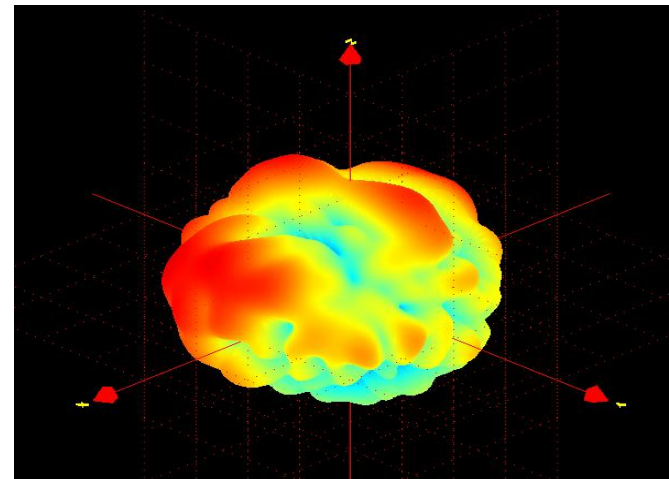
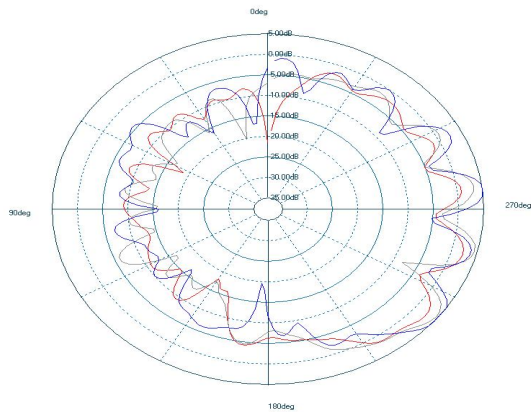
XOZ面



YOZ面

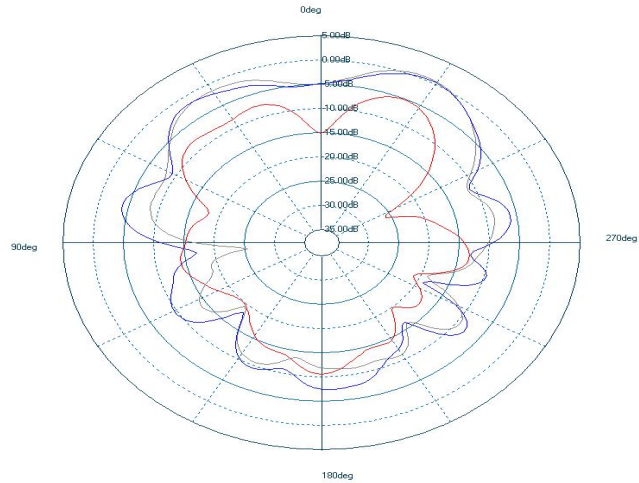


XOY面

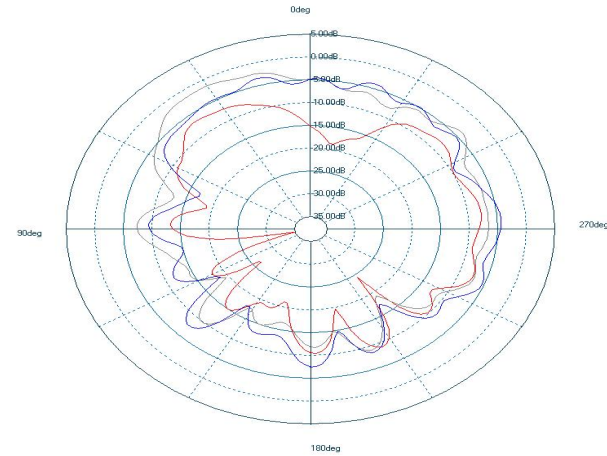


WiFi1-2.4G-方向图

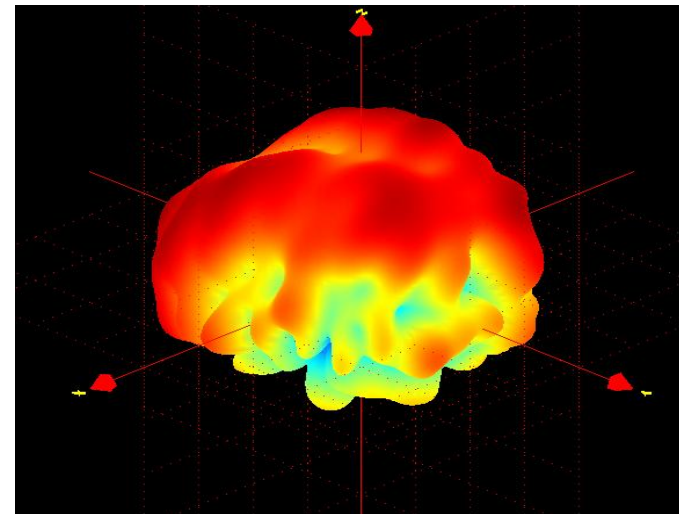
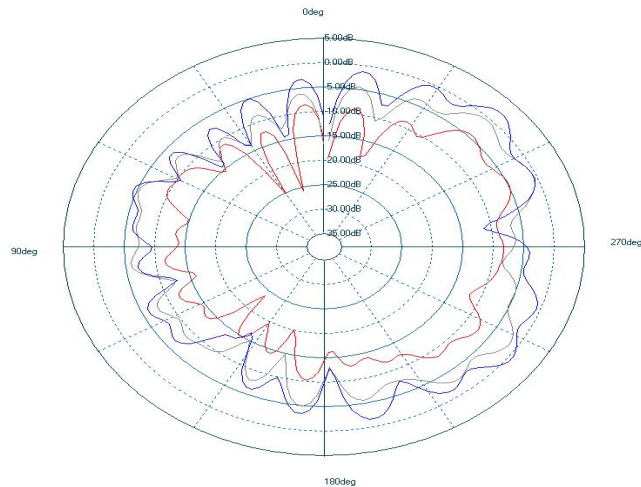
XOZ面



YOZ面

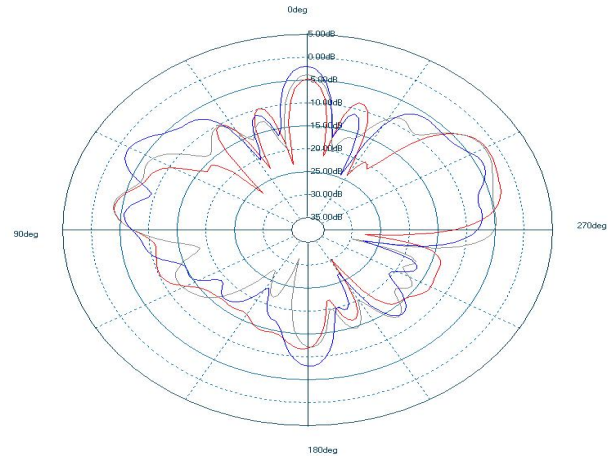


XOY面

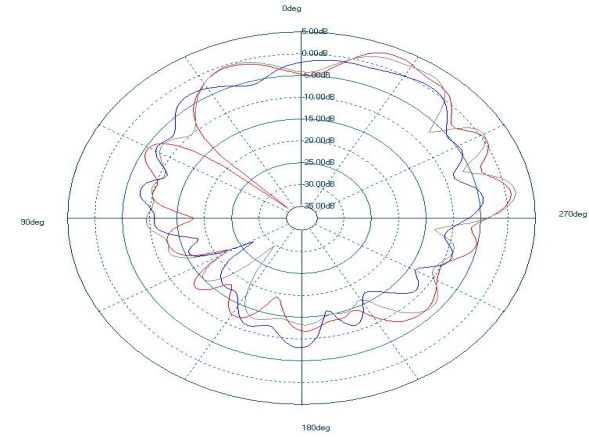


WiFi1-5G-方向图

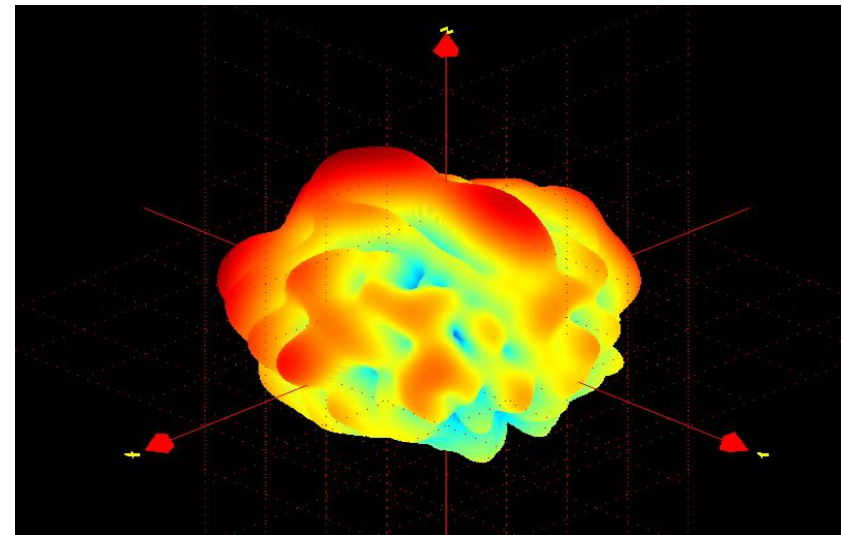
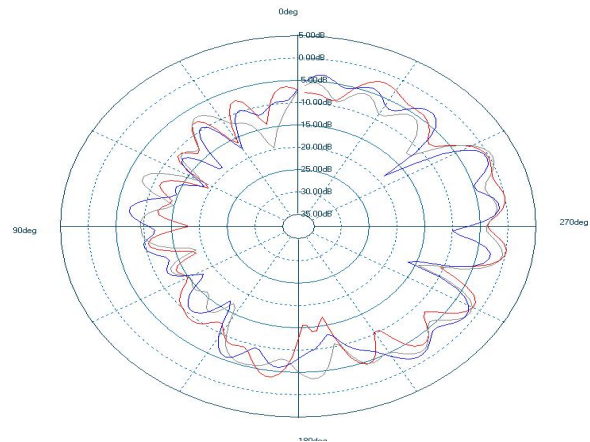
XOZ面



YOZ面



XOY面



Thank You

