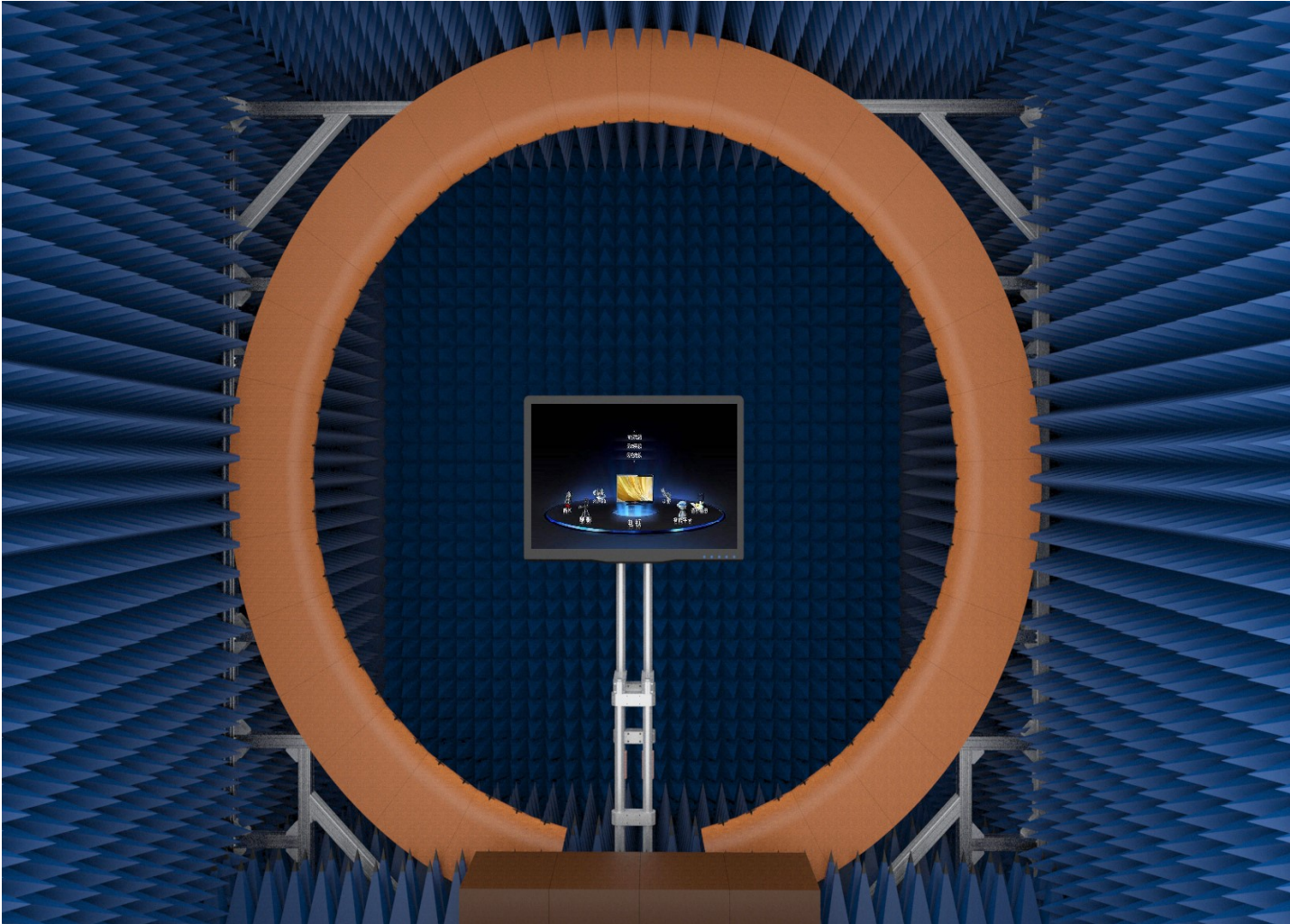


R254 Antenna Test Report

Manufacturer: Sunnyway Technology(CHINA) (尚远 (中国) 科技有限公司)

Add:6th Floor, Building 5, Nantai Yunchuanggu Center, Guangming District, Shenzhen (深圳市光明区南太云创谷中心5栋6楼)

设备清单



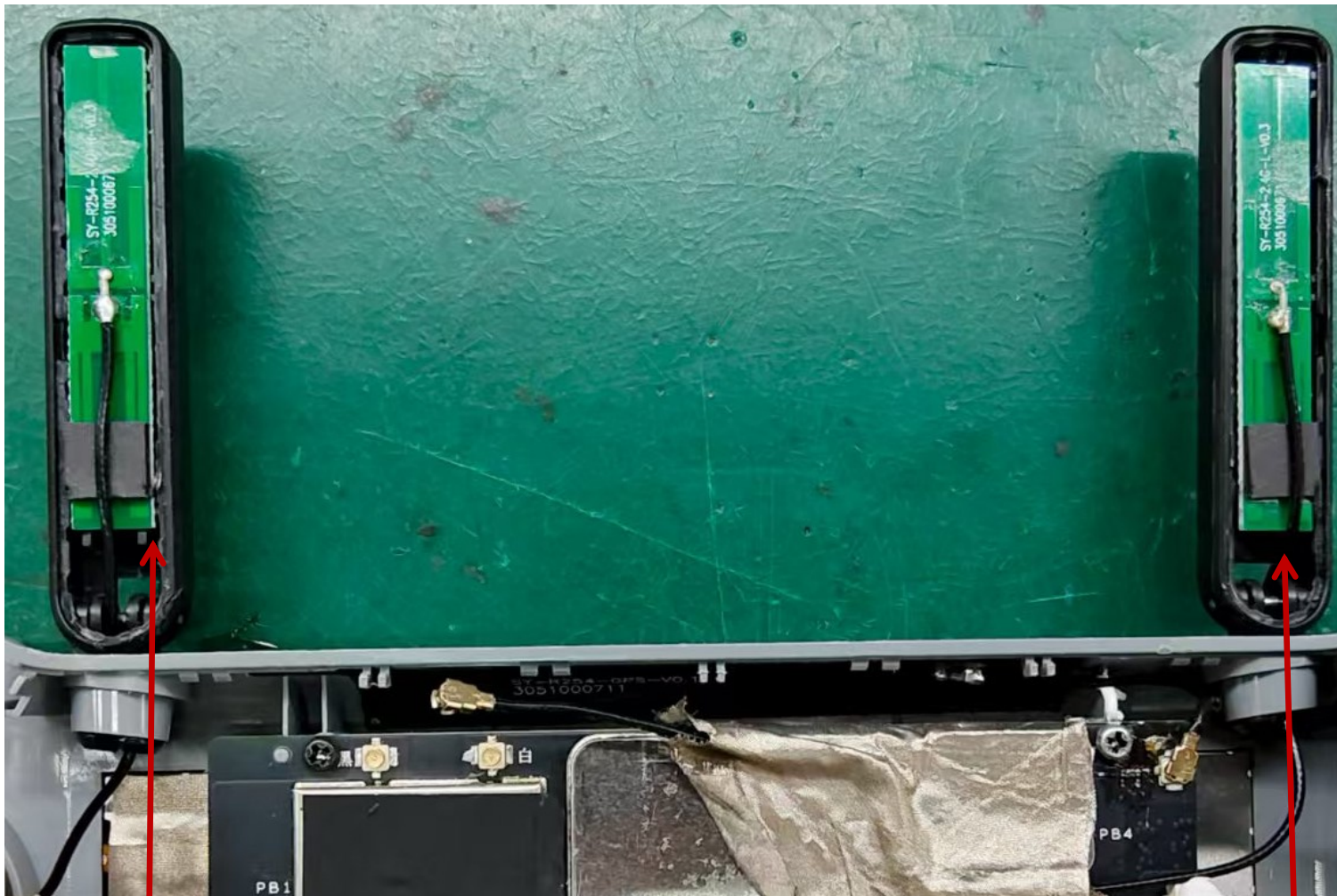
行业顶尖OTA暗室：
64探头；长/宽/高均为6米；待测项目尺寸可到2米

设备名称	总数量	上海研发中心数量	深圳研发中心数量	重庆研发中心数量
OTA实验室	10座	4座	5座	1座
5G 综测仪（SP9500-CTS）	3台	1台	1台	1台
R&S 综测仪（高配CMW500）	7台	3台	3台	1台
日本安立综测仪（双通道8820）	4台	2台	2台	--
NB-IoT综测仪（SP8315）	3台	1台	1台	1台
安捷伦综测仪（8960）	9台	4台	4台	1台
安捷伦网络分析仪（E5062A）	7台	3台	3台	1台
安捷伦网络分析仪（E5071C 8.5GHZ）	11台	5台	5台	1台
安捷伦网络分析仪（E5071B 8.5GHZ）	10台	5台	5台	1台
R&S网络分析仪（ZND）	10台	5台	4台	1台
R&S网络分析仪（ZVB）	3台	1台	1台	1台
OTA人头手/耳蜗/手臂	5套	2套	2套	1套
GPS/WIFI有源测试设备	5套	2套	2套	1套

项目图片及无源治具



天线装贴位置



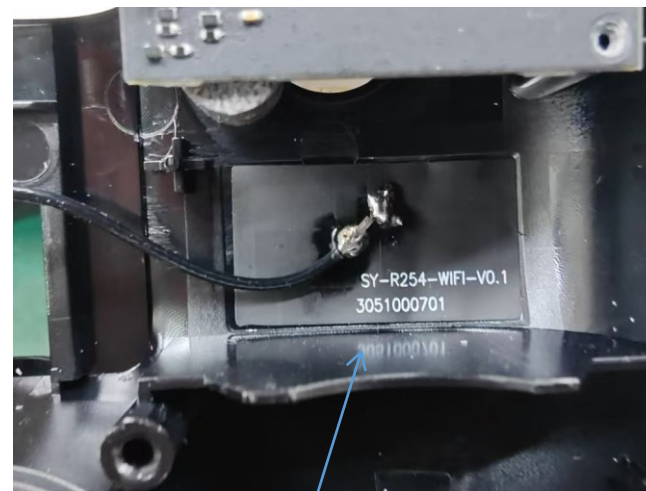
图传天线-R

图传天线-L

天线装贴位置



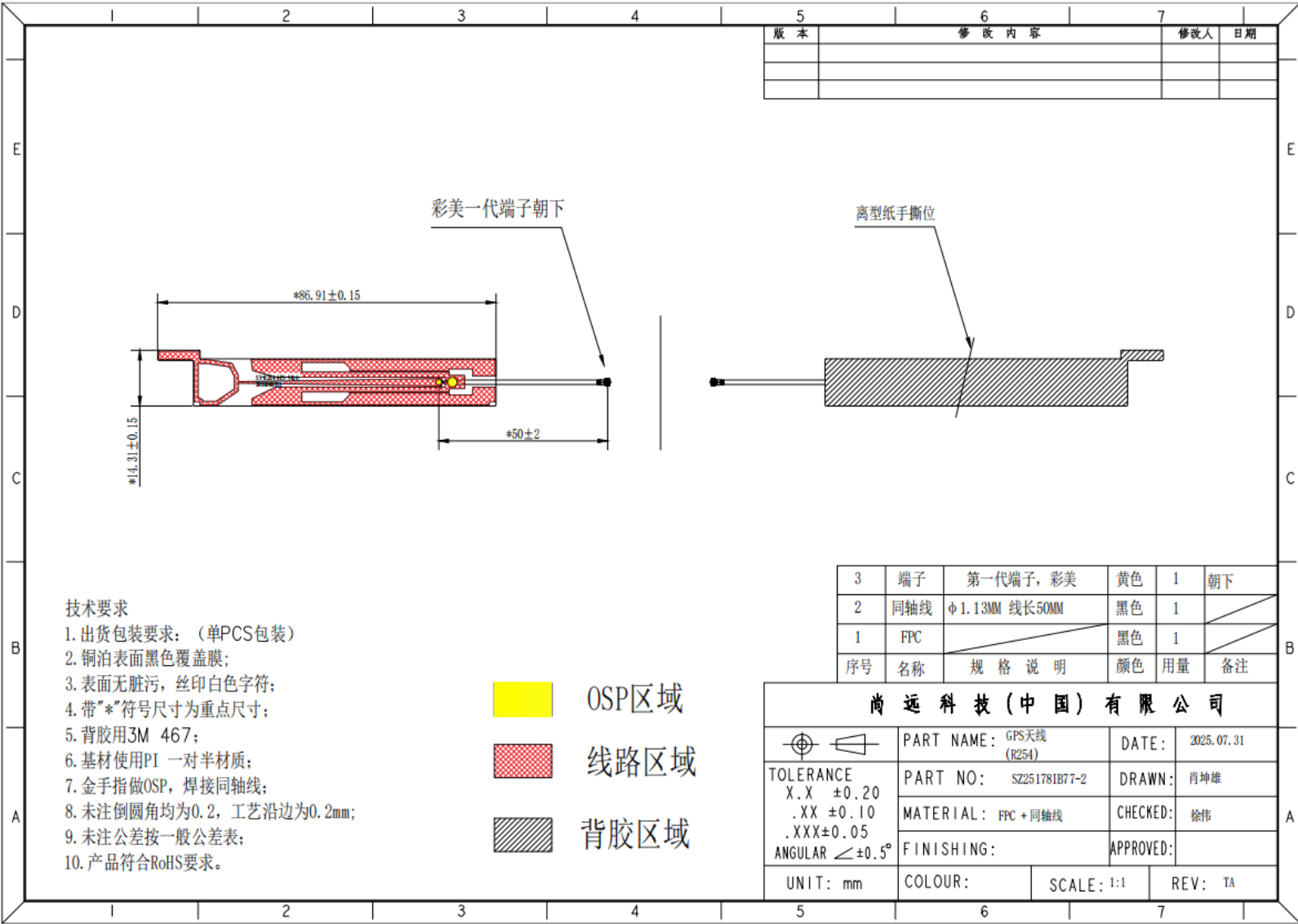
GPS天线



WIFI天线

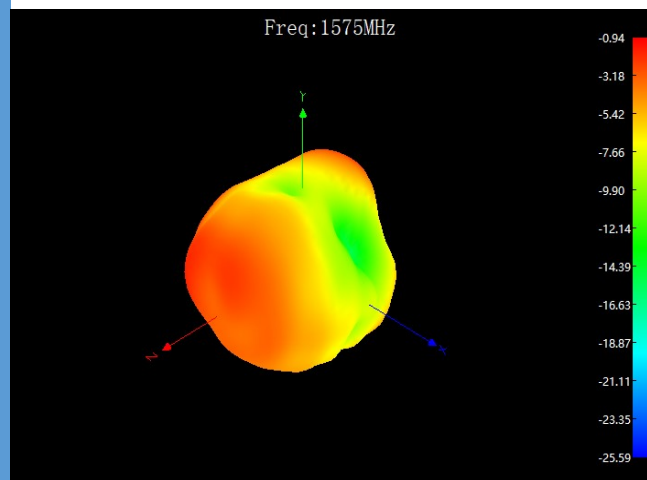
GPS天线

frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
1560.00	1.81	-3.61	43.54
1565.00	1.73	-3.55	44.16
1570.00	1.78	-3.62	43.42
1575.00	1.90	-3.60	43.64
1580.00	1.64	-3.64	43.21
1585.00	1.58	-3.49	44.72
1590.00	1.92	-3.48	44.89
1595.00	1.71	-3.62	43.41
1600.00	1.54	-3.54	44.24
1605.00	1.66	-3.66	43.10
1610.00	1.44	-3.59	43.80

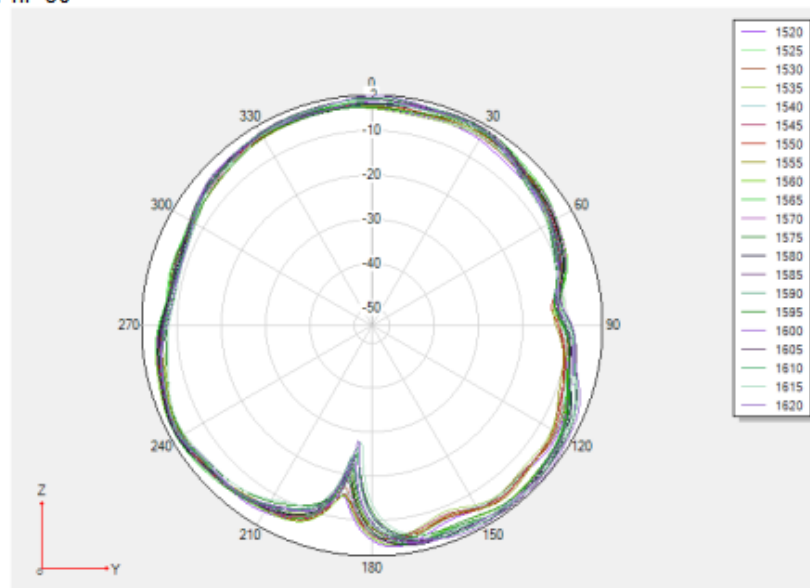


Antenna Radiation Pattern

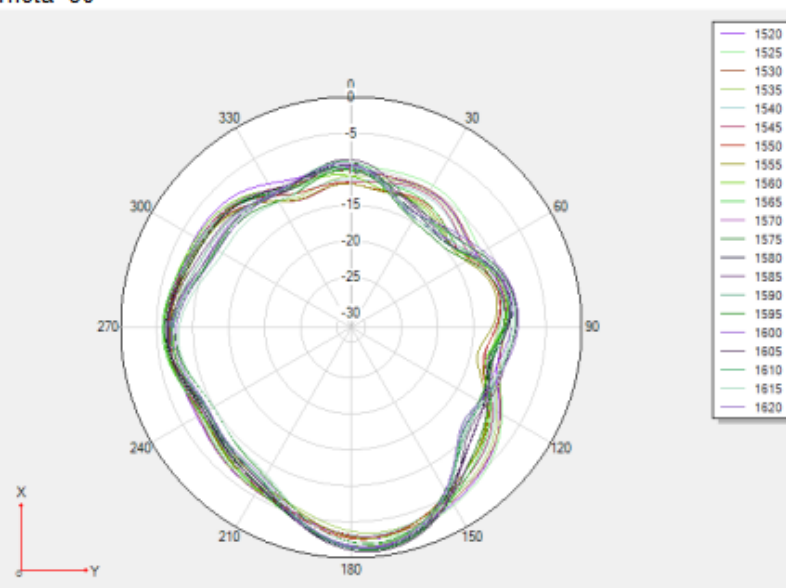
1575MHz



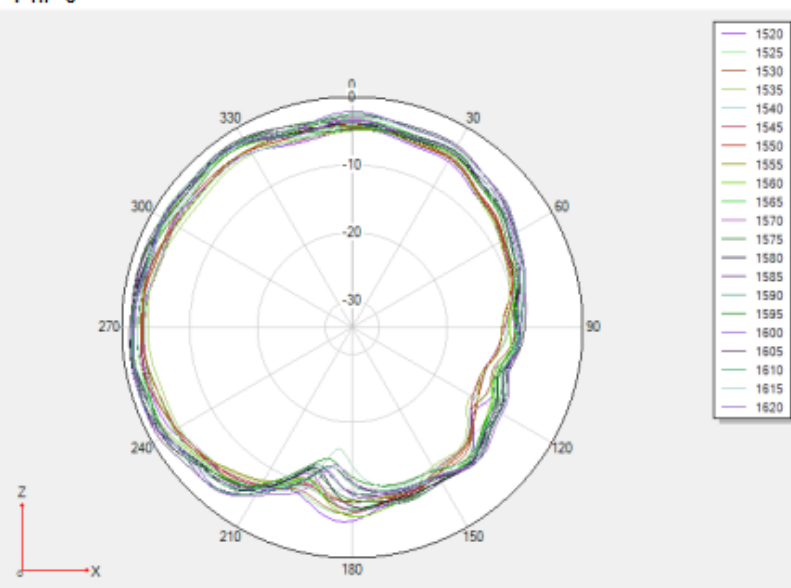
Phi=90



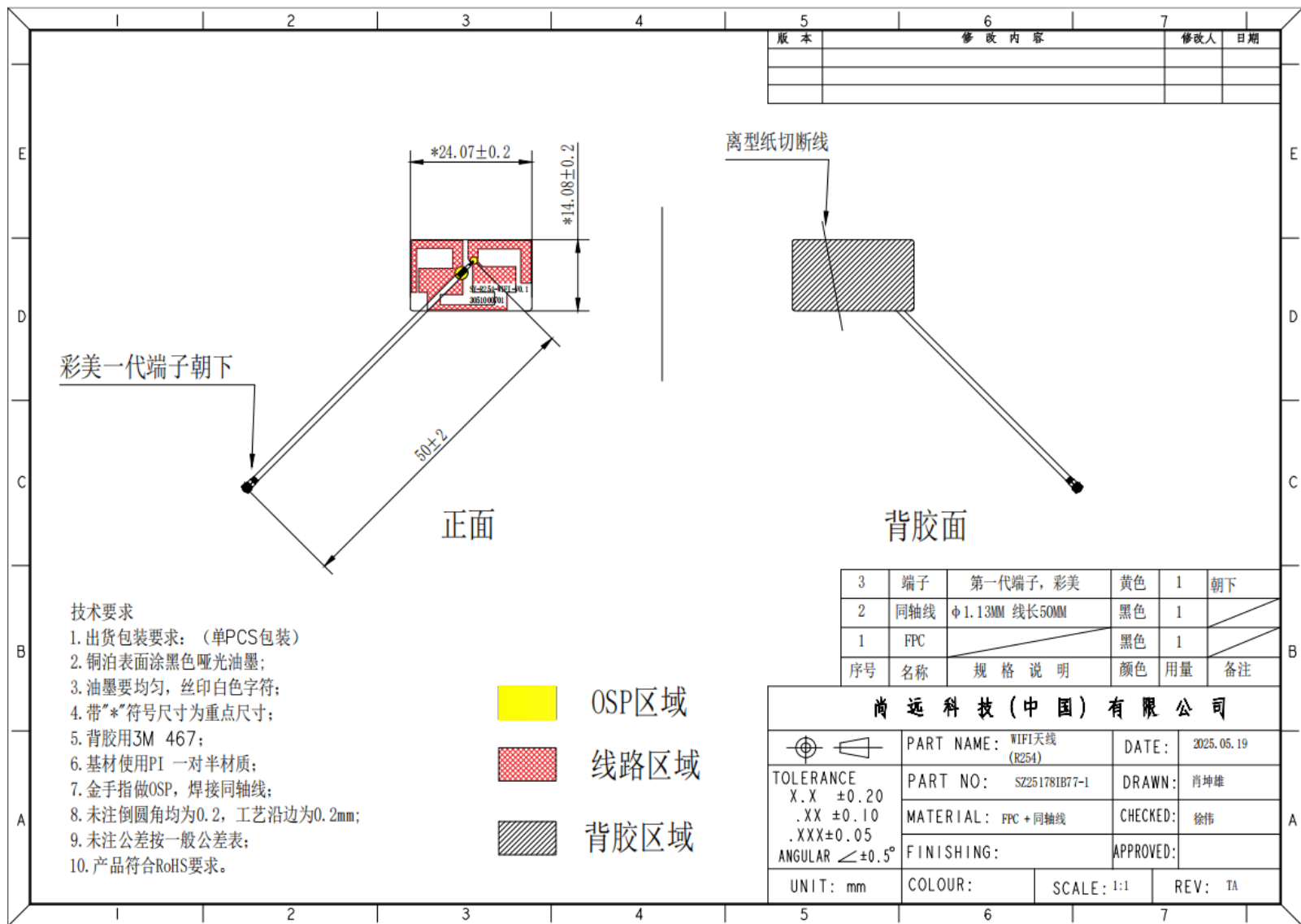
Theta=90



Phi=0

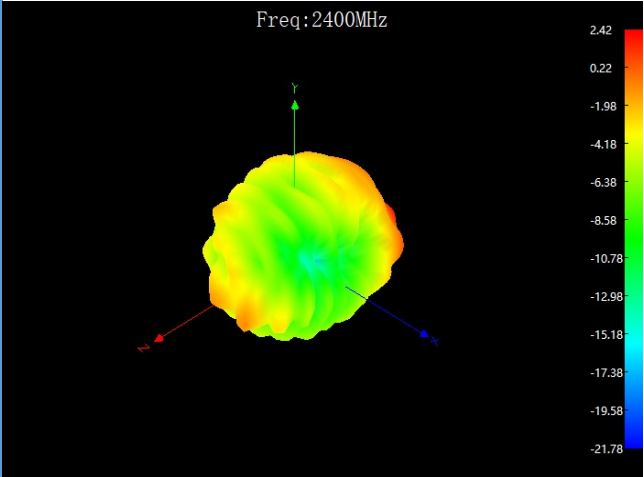


frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400.00	1.08	-3.66	43.02
2410.00	1.55	-3.82	41.50
2420.00	0.88	-3.96	40.16
2430.00	1.42	-3.66	43.02
2440.00	1.79	-3.94	40.36
2450.00	2.87	-3.36	46.13
2460.00	3.12	-3.36	46.13
2470.00	3.77	-3.25	47.32
2480.00	3.88	-3.15	48.42
2490.00	4.32	-3.15	48.42
2500.00	4.07	-3.32	46.56
5150.00	3.21	-2.60	54.99
5200.00	3.17	-2.71	53.62
5250.00	3.41	-2.79	52.61
5300.00	3.25	-3.40	45.68
5350.00	3.90	-2.93	50.96
5400.00	3.40	-3.25	47.27
5450.00	3.77	-2.67	54.13
5500.00	3.69	-2.65	54.30
5550.00	3.08	-3.32	46.56
5600.00	3.86	-3.00	50.15
5650.00	3.81	-3.22	47.62
5700.00	3.60	-2.76	52.95
5750.00	3.28	-2.82	52.28
5800.00	3.38	-3.30	46.74
5850.00	3.33	-2.96	50.63

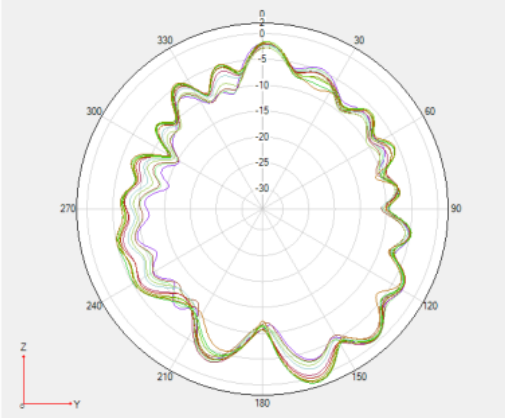


Antenna Radiation Pattern

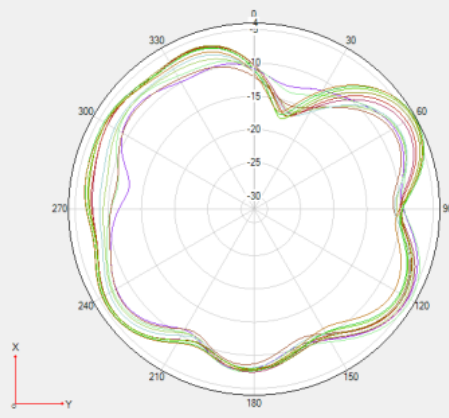
2400MHz



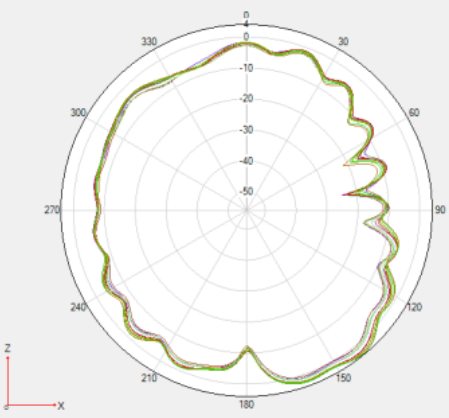
Phi=90



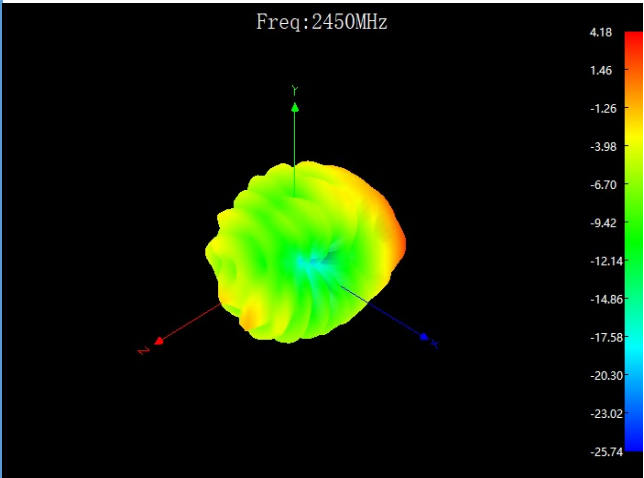
Theta=90



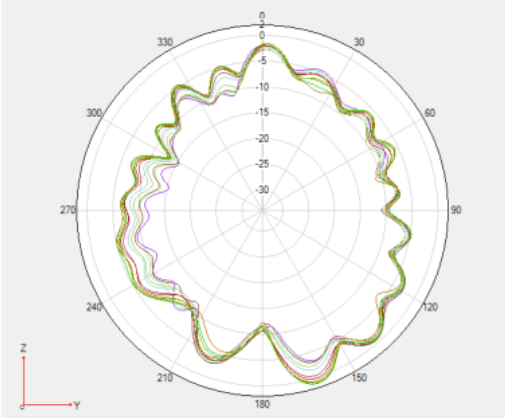
Phi=0



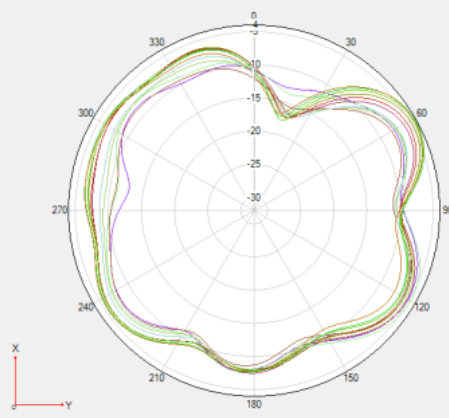
2450MHz



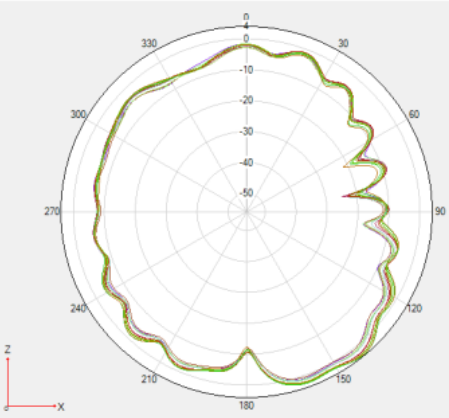
Phi=90



Theta=90

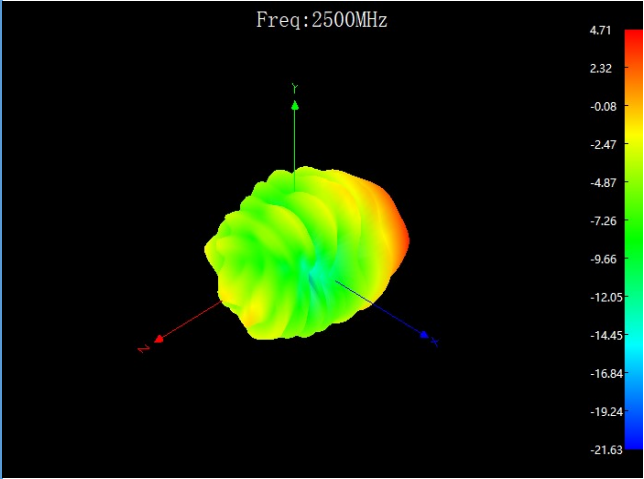


Phi=0

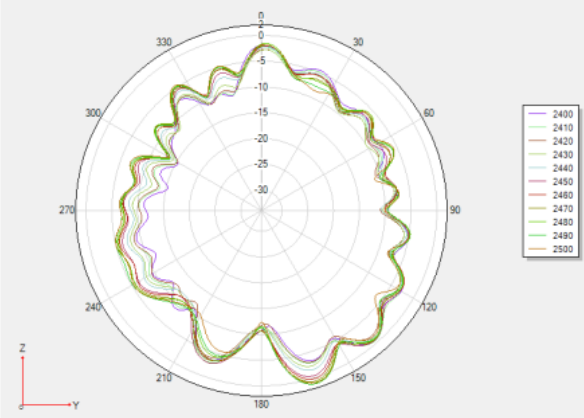


Antenna Radiation Pattern

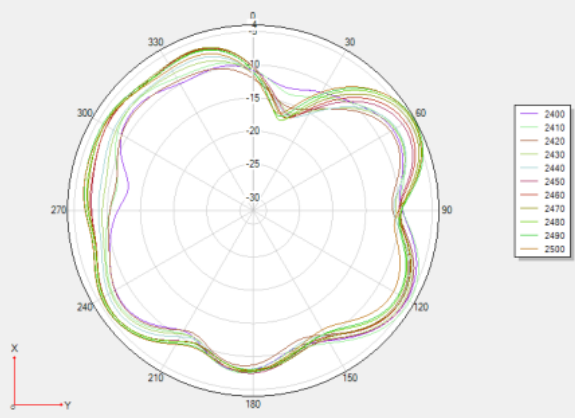
2500MHz



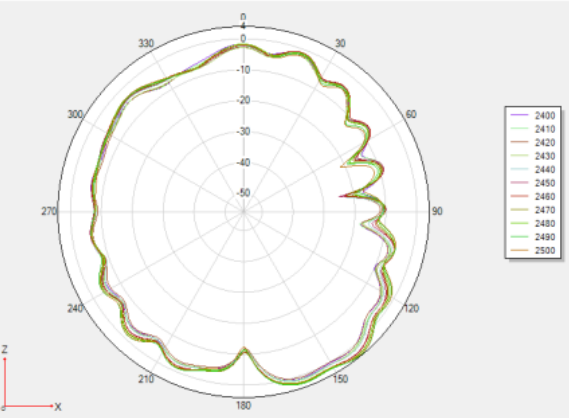
Phi=90



Theta=90



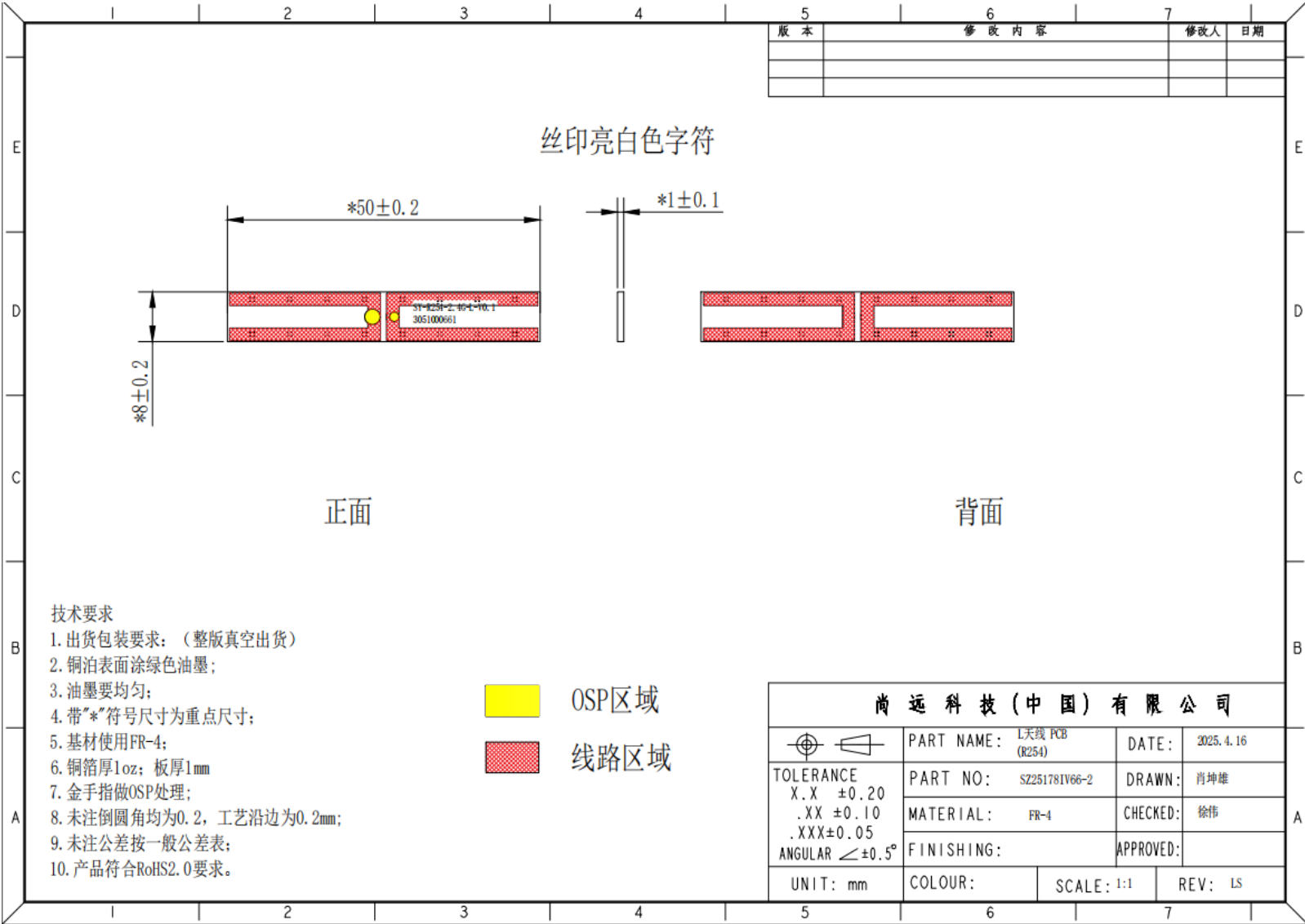
Phi=0



ANT type: Dipole Antenna

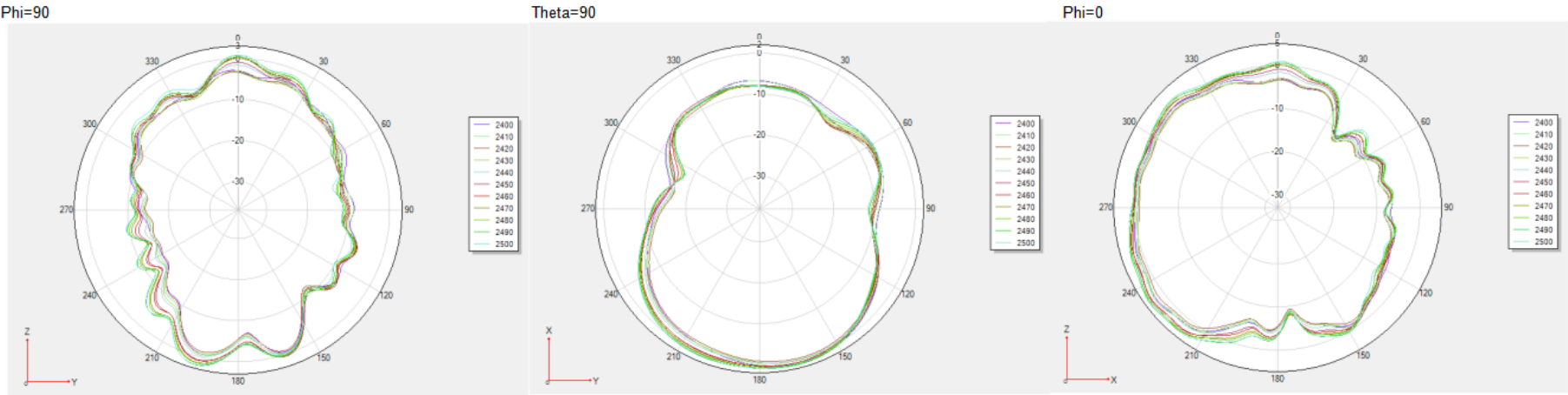
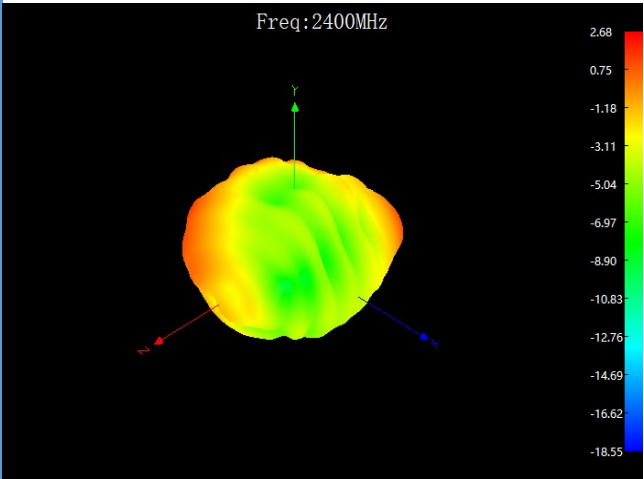
ANT(Left)

frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400.00	1.82	-2.36	58.08
2410.00	1.66	-2.46	56.77
2420.00	1.58	-2.46	56.78
2430.00	1.41	-2.57	55.39
2440.00	1.28	-2.72	53.48
2450.00	1.24	-2.85	51.90
2460.00	1.17	-3.13	48.59
2470.00	1.26	-3.20	47.85
2480.00	1.37	-3.31	46.68
2490.00	1.35	-3.53	44.34
2500.00	1.52	-3.48	44.84

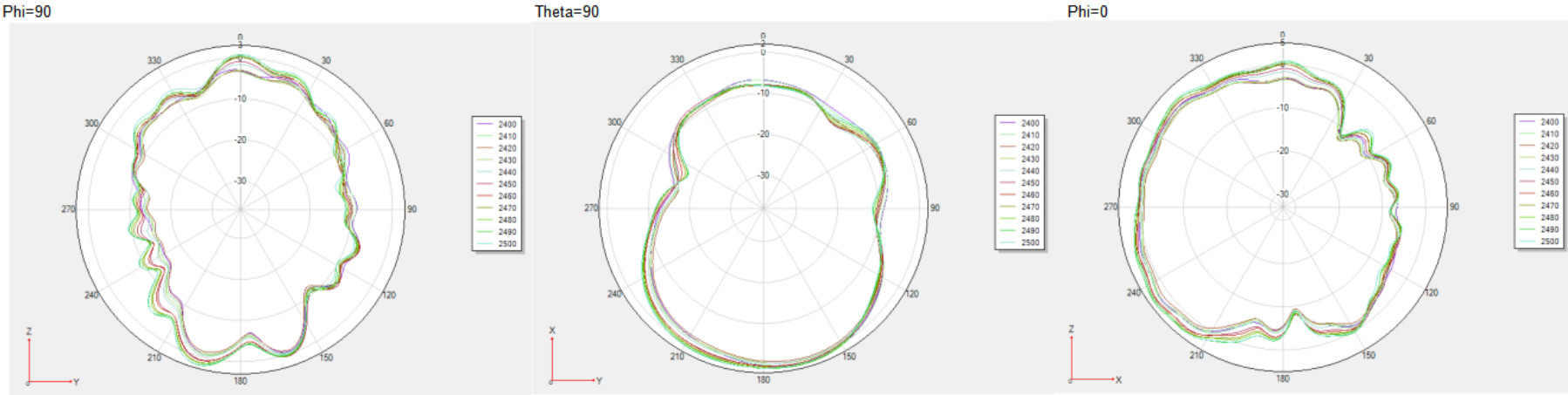
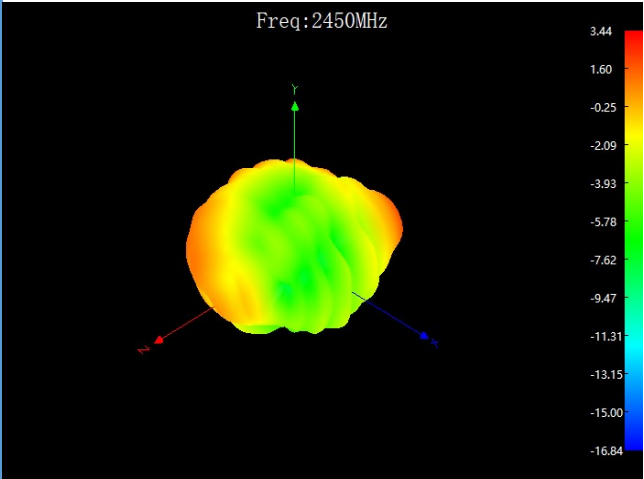


Antenna Radiation Pattern

2400MHz

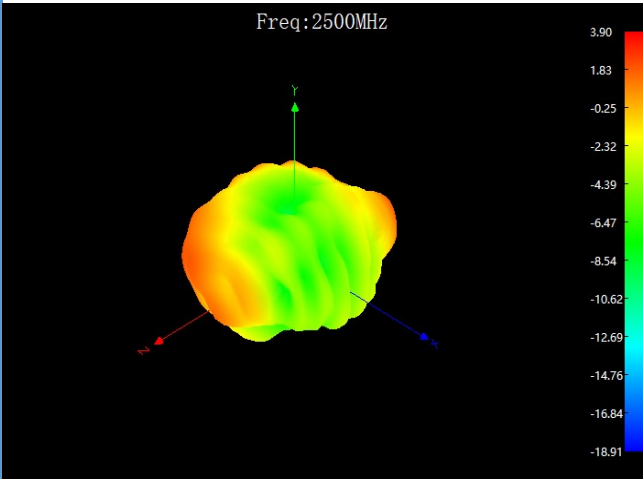


2450MHz

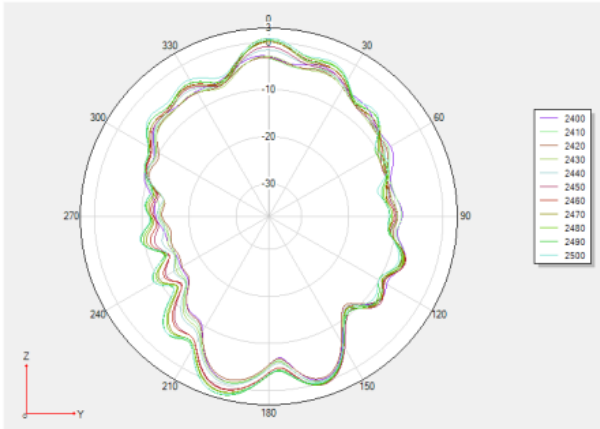


Antenna Radiation Pattern

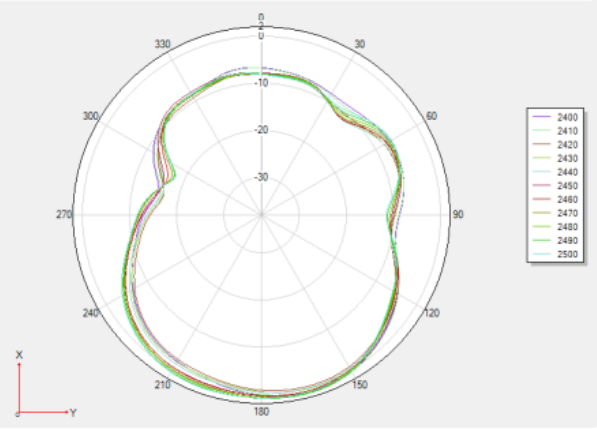
2500MHz



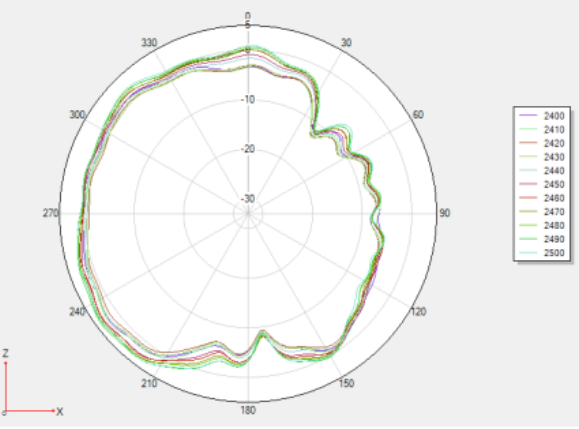
Phi=90



Theta=90



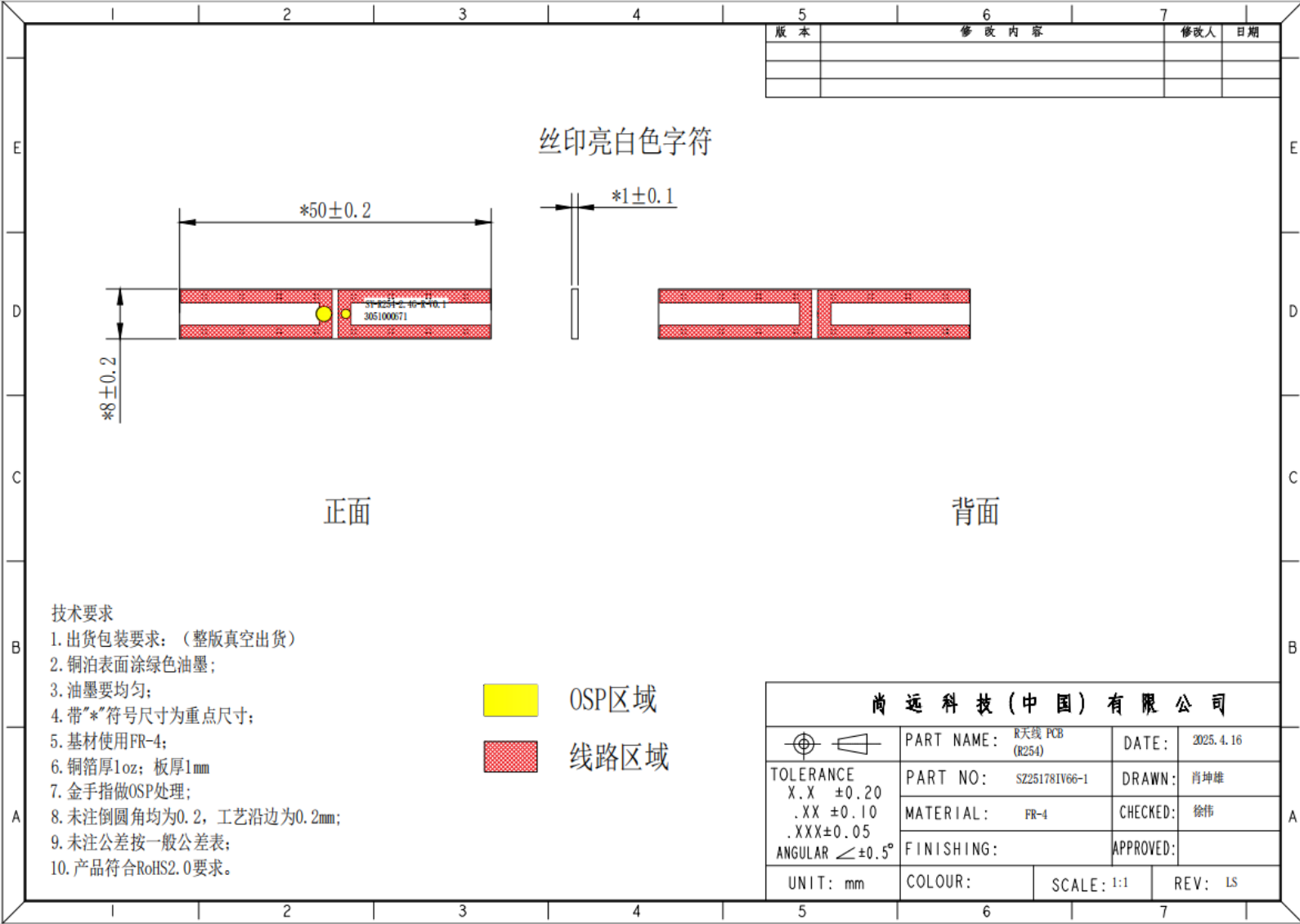
Phi=0



ANT type: Dipole Antenna

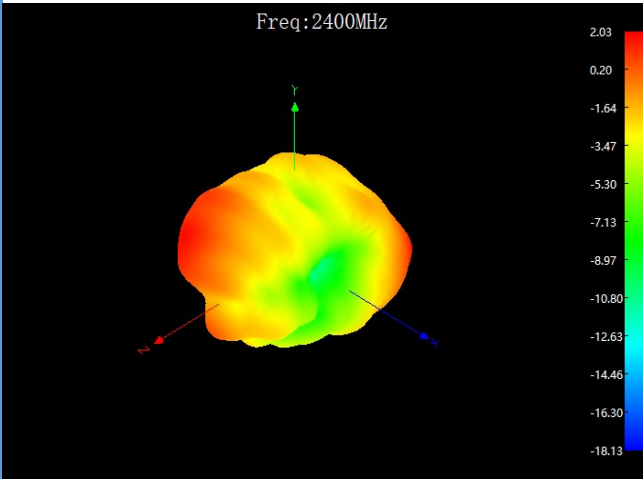
ANT(Right)

frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400.00	2.84	-1.58	69.46
2410.00	2.58	-1.71	67.49
2420.00	2.54	-1.72	67.24
2430.00	2.35	-1.83	65.65
2440.00	2.26	-1.96	63.67
2450.00	2.18	-2.06	62.17
2460.00	2.05	-2.29	59.06
2470.00	2.05	-2.33	58.53
2480.00	1.93	-2.38	57.77
2490.00	1.70	-2.58	55.19
2500.00	1.58	-2.55	55.56

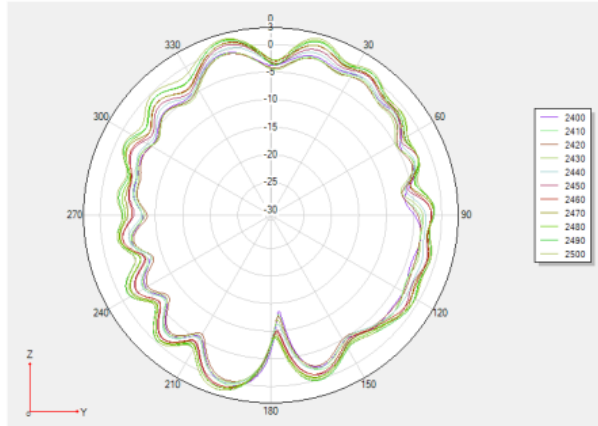


Antenna Radiation Pattern

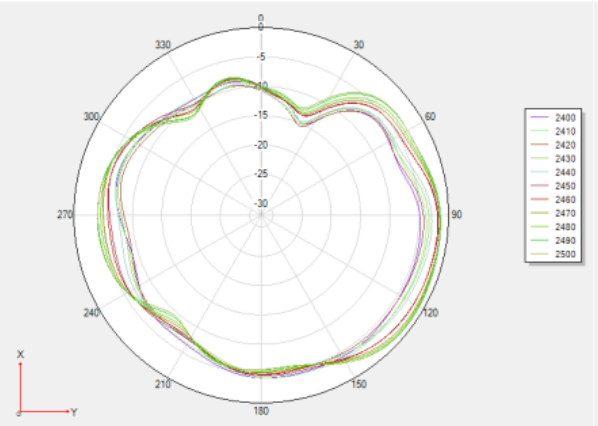
2400MHz



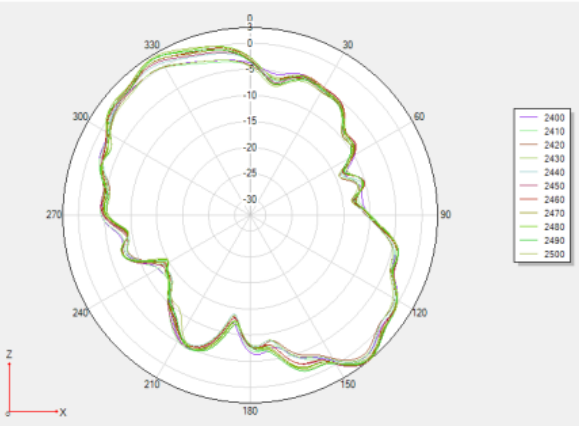
Phi=90



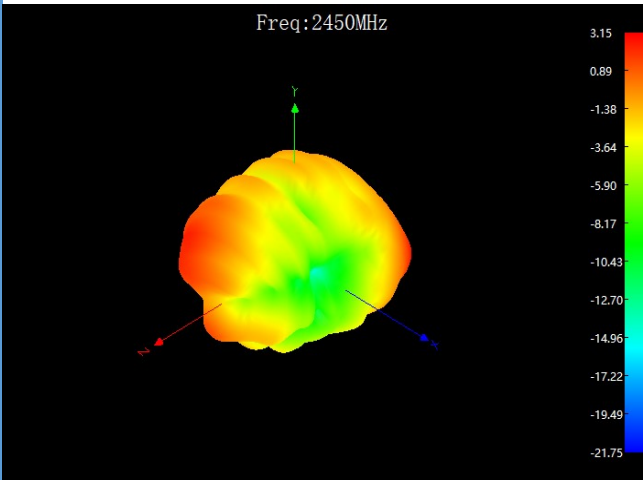
Theta=90



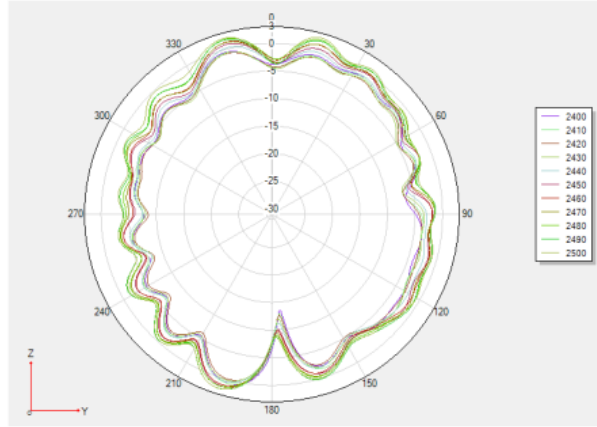
Phi=0



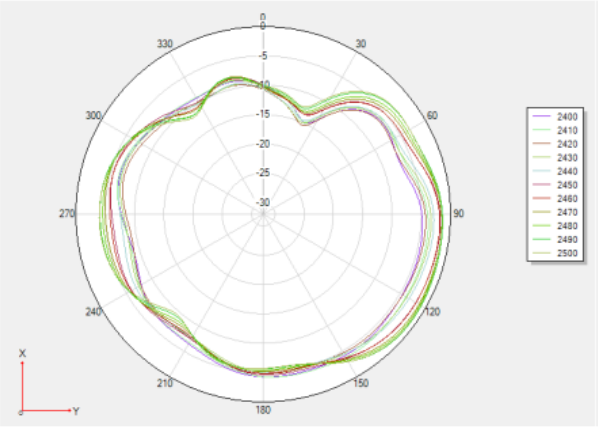
2450MHz



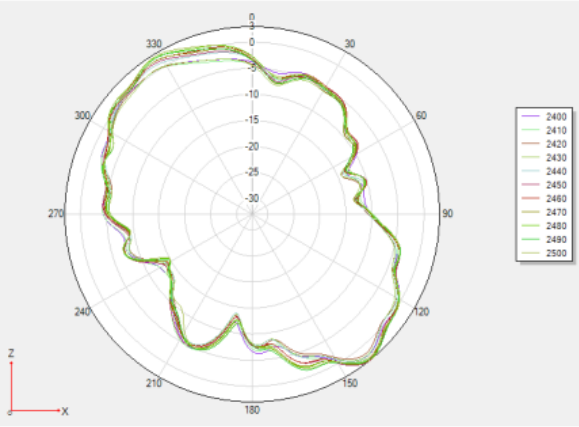
Phi=90



Theta=90

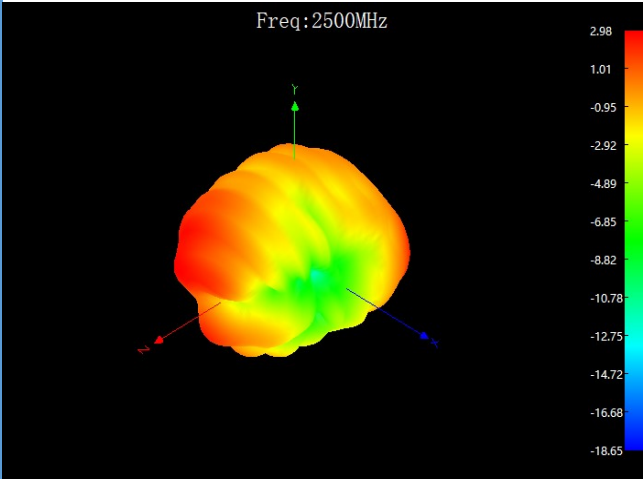


Phi=0

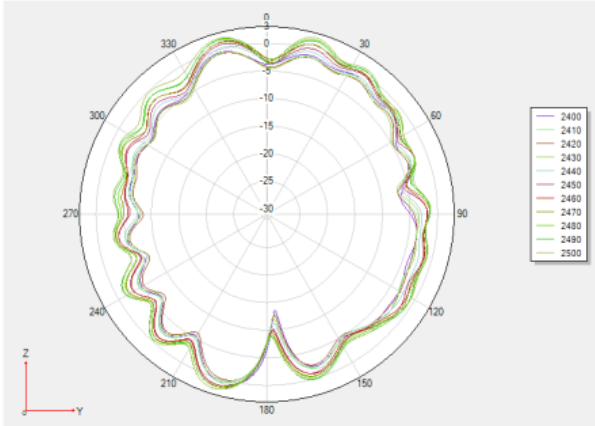


Antenna Radiation Pattern

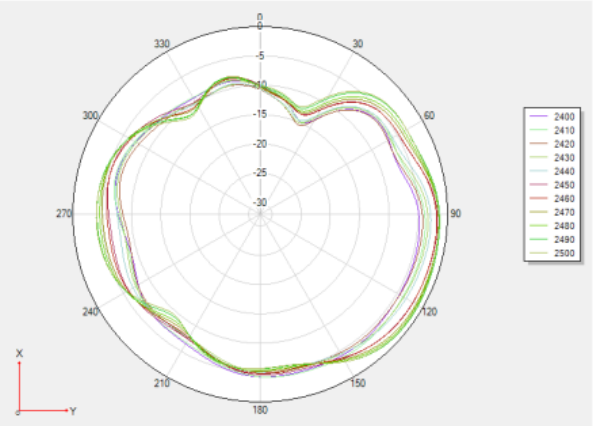
2500MHz



Phi=90



Theta=90



Phi=0

