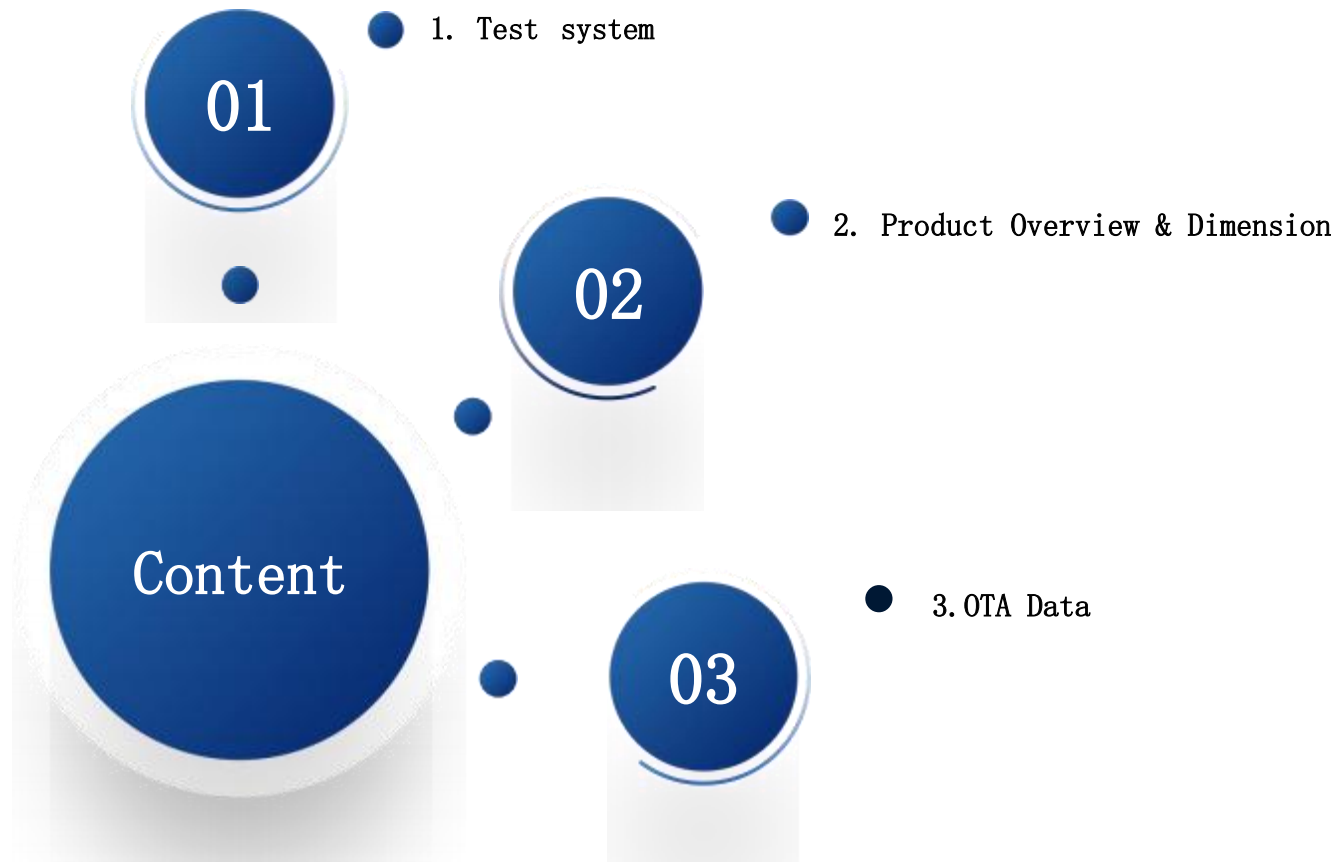




Customer	苍宇
Project	A6
Antenna Revision	A0
Prepared by	15993920520
Checked by	17279710721
Date	2025. 3. 10

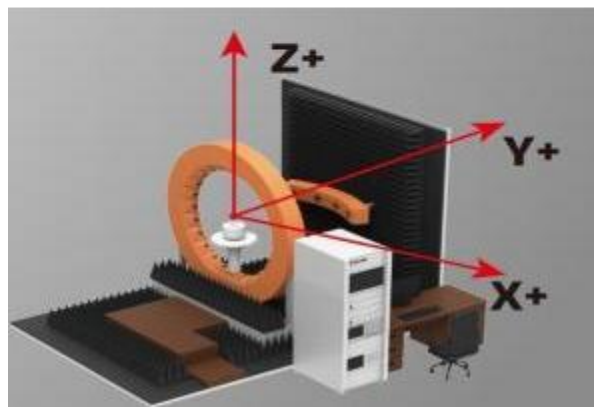
Purpose

This report is to measure the performance of antenna for **A6** The antenna operating frequency at 2400-2500MHz All test data are showed as below.



1.TestSystem

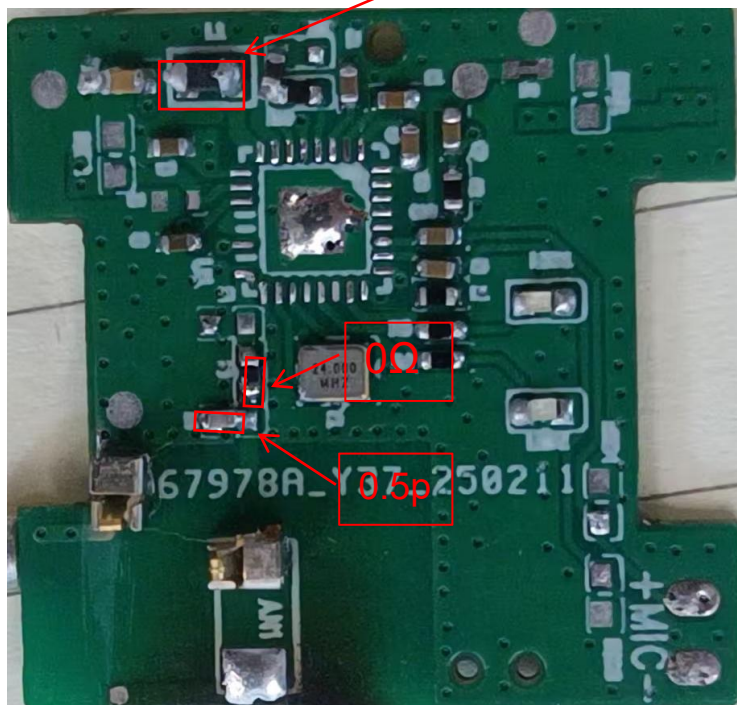
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C



匹配电路

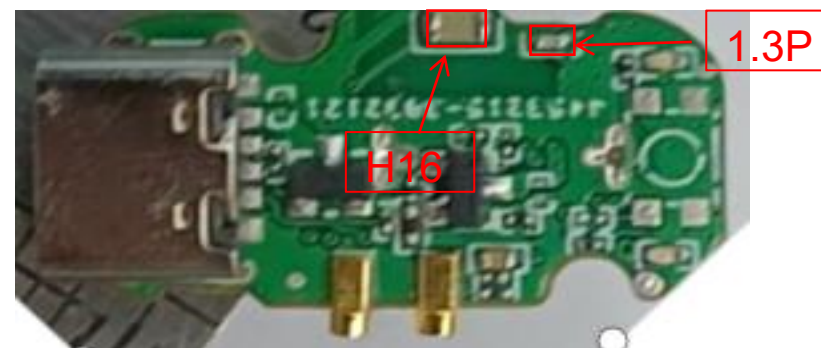
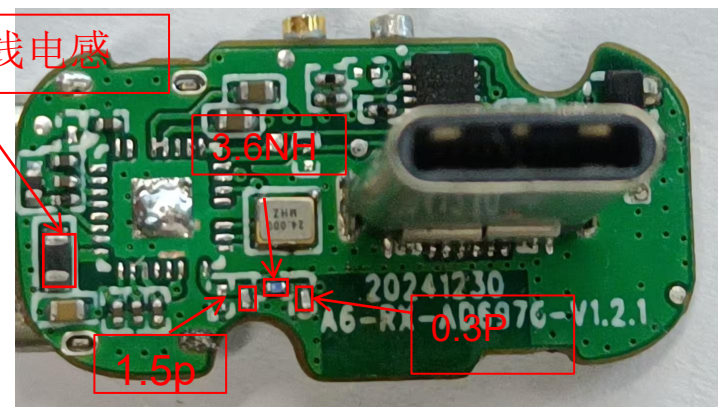
TX

10 μ H绕线电感

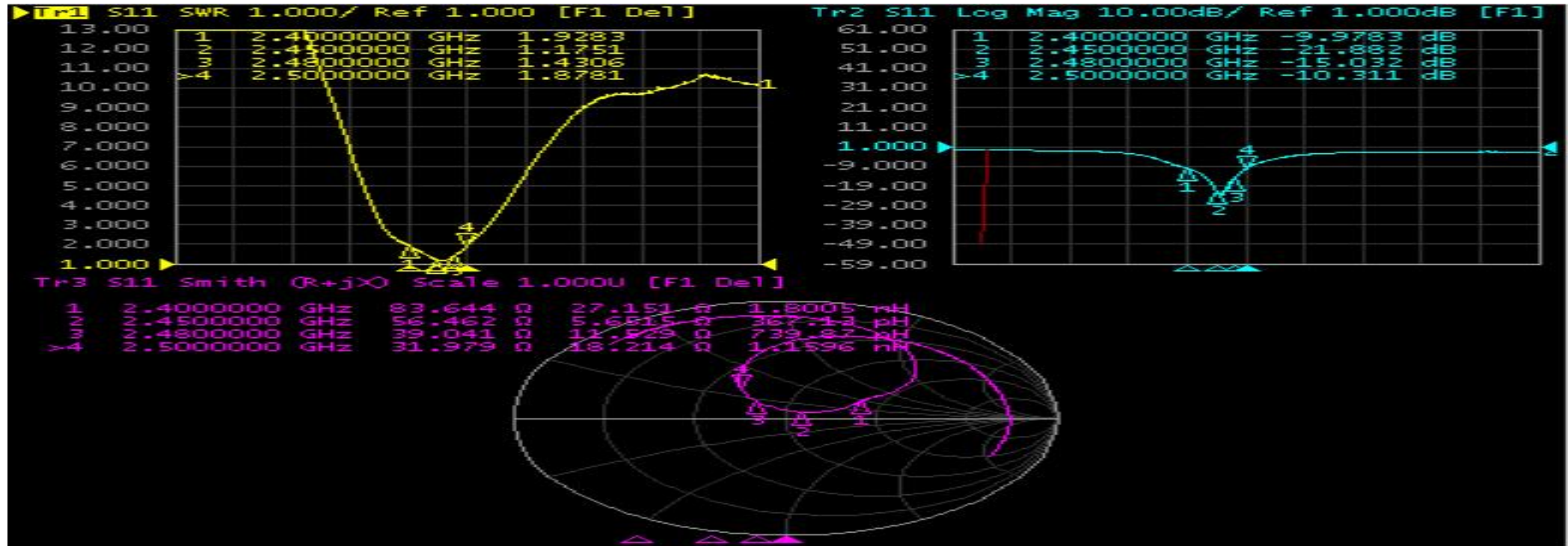


RX

10 μ H绕线电感



2. Test Result VSWR&Log Mag&Smith(Ω) TX



Frequency (MHz)	2400	2450	2480	2500
Log Mag	1.92	1.17	1.43	1.87
Smith(Ω)	-9.97	-21.88	-15.03	-10.31
VSWR	83.64	56.46	39.04	31.97

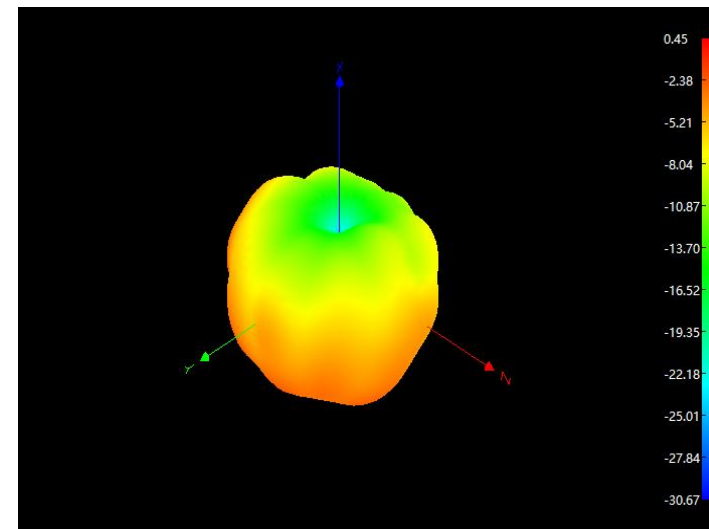
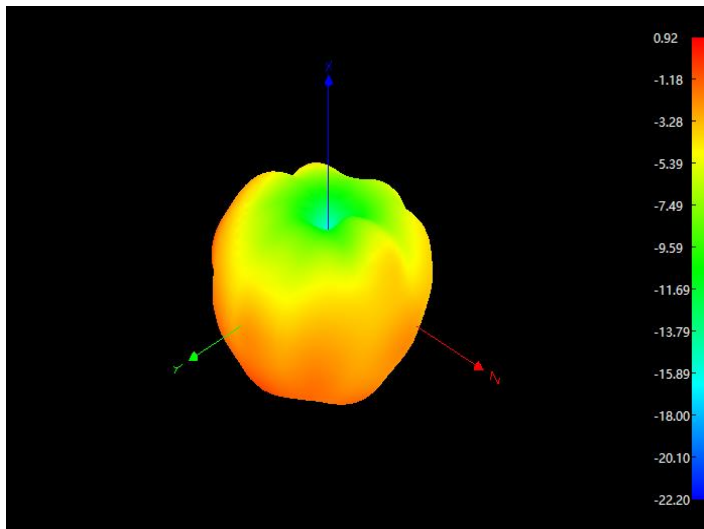
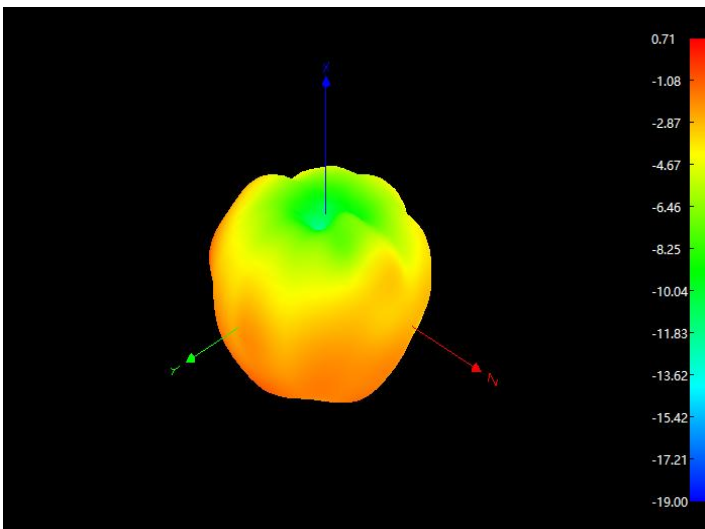
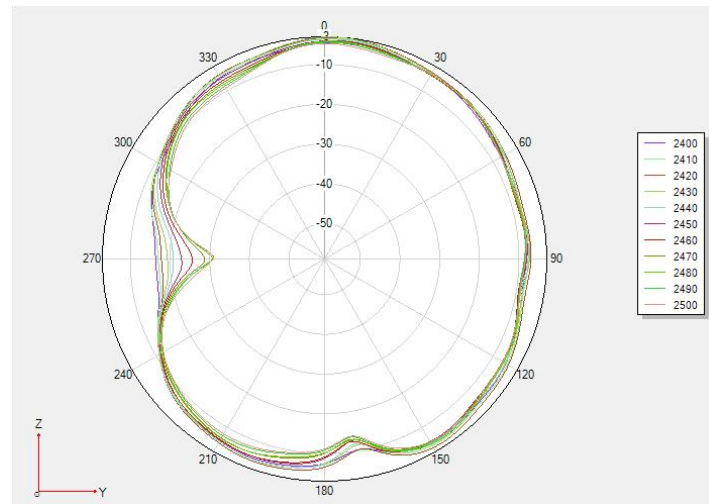
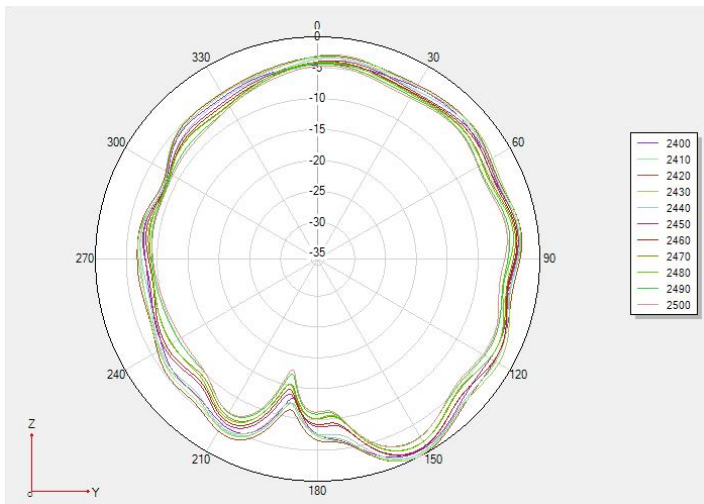
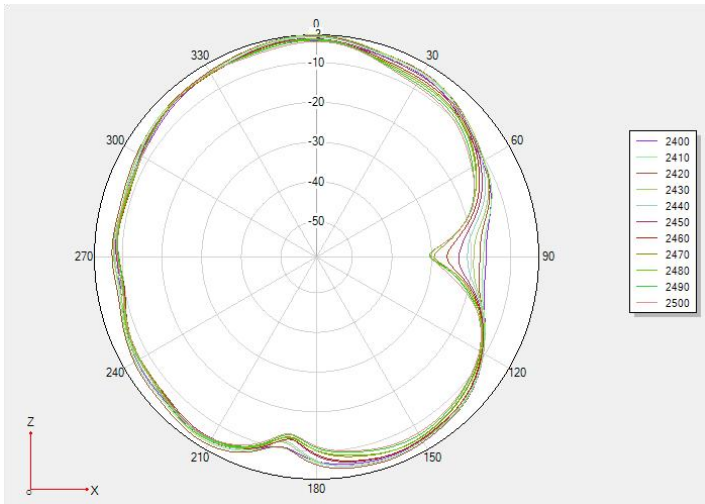
3. Test Result

TX

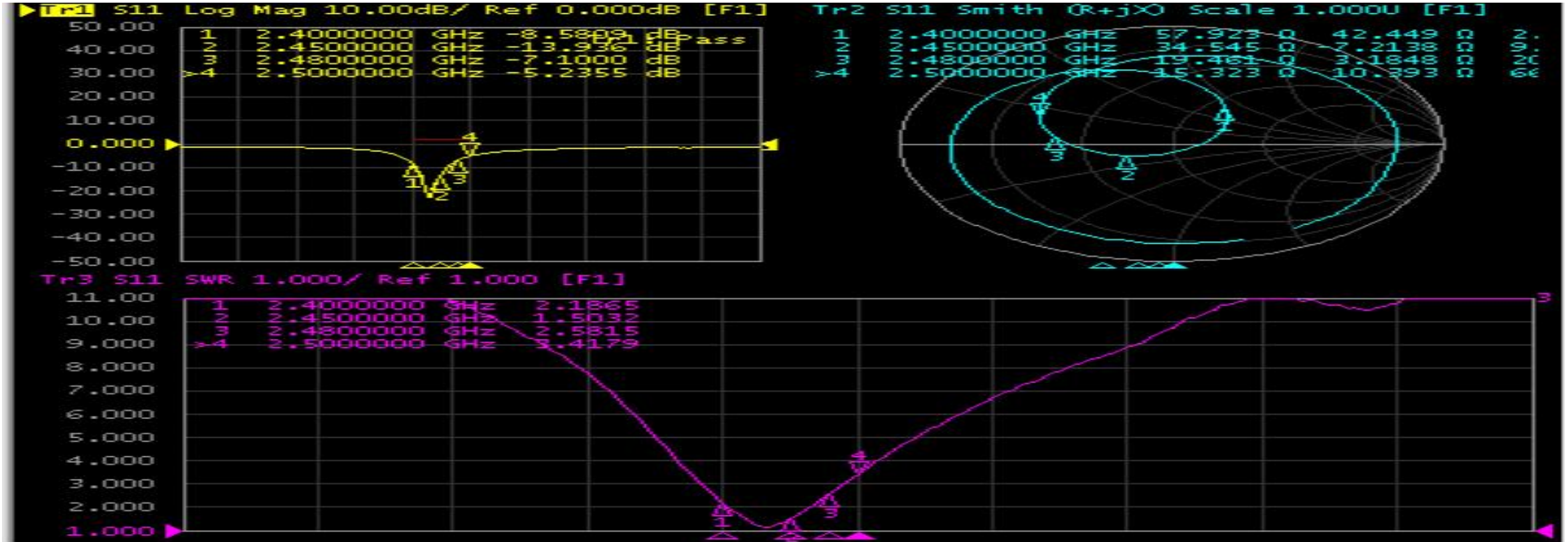
Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	26.06	-1.89
2410	28.44	-1.12
2420	30.62	-0.91
2430	31.41	-0.76
2440	32.28	-1.04
2450	31.77	-1.24
2460	30.2	-1.3
2470	27.8	-1.88
2480	26.24	-1.7

3. Test Result

TX



2. Test Result VSWR&Log Mag&Smith(Ω) RX



Frequency (MHz)	2400	2450	2480	2500
Log Mag	2400	2450	2480	2500
Smith(Ω)	-8.58	-13.93	-7.10	-5.23
VSWR	57.92	34.54	19.46	15.32

3. Test Result

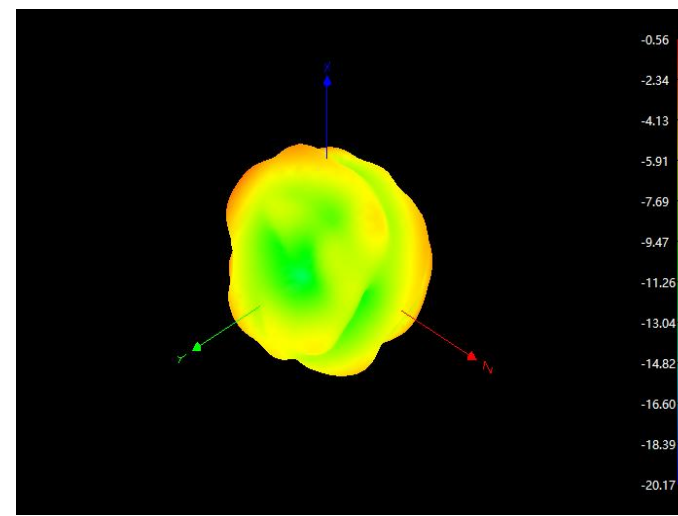
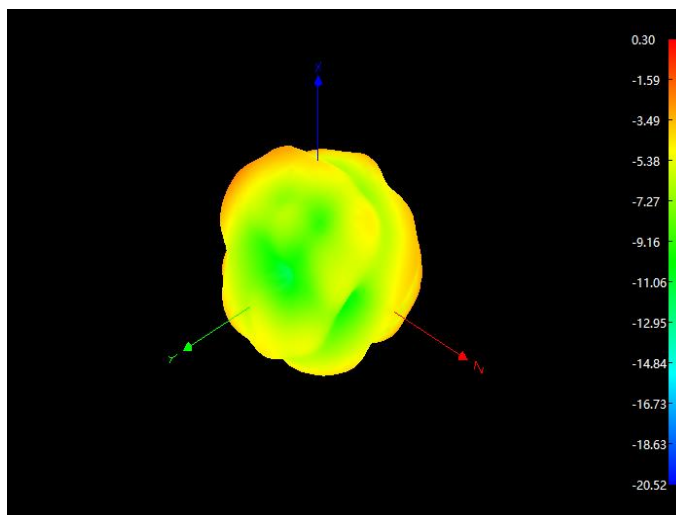
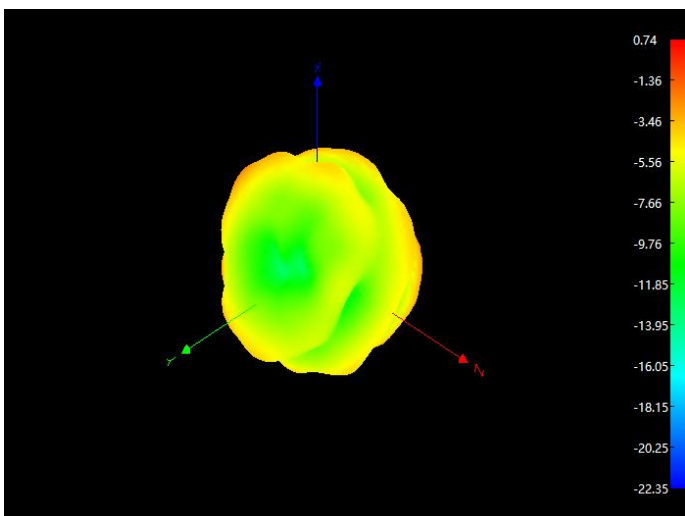
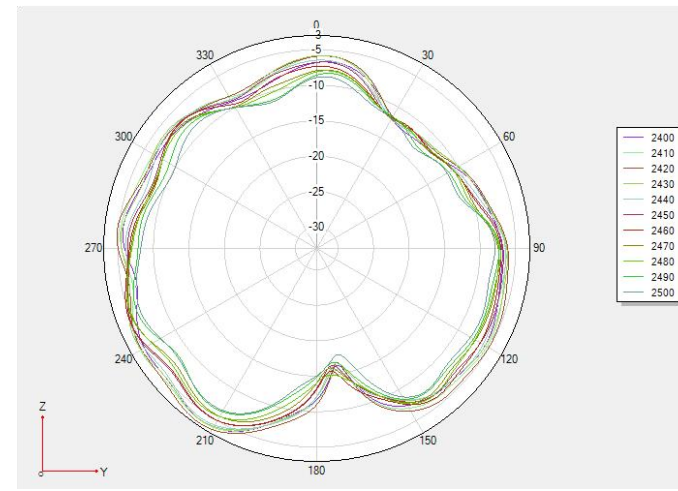
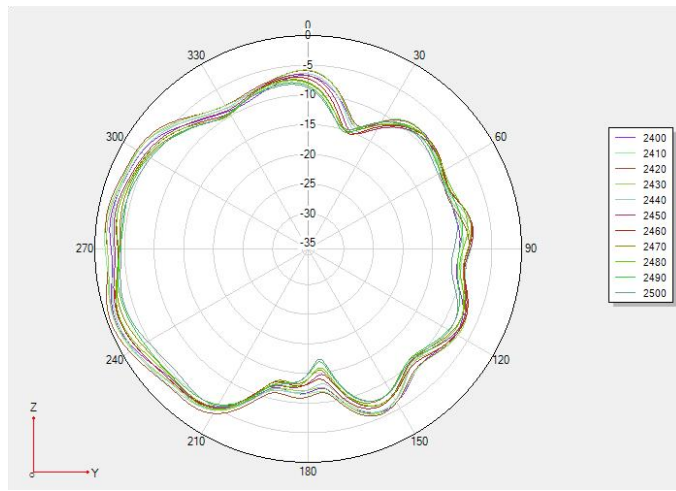
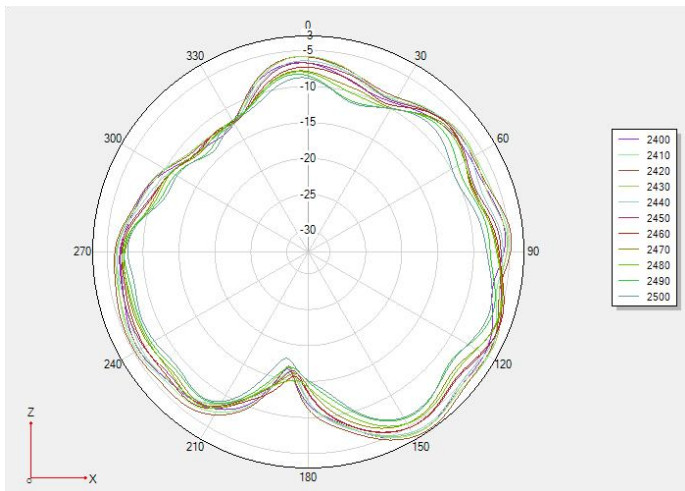
RX

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	32.81	0.74
2410	33.57	1.08
2420	34.75	1.28
2430	33.81	1.1
2440	34.28	0.62
2450	34.28	0.3
2460	32.96	-0.04
2470	30.27	-0.54
2480	28.64	-0.56

4. Test Result

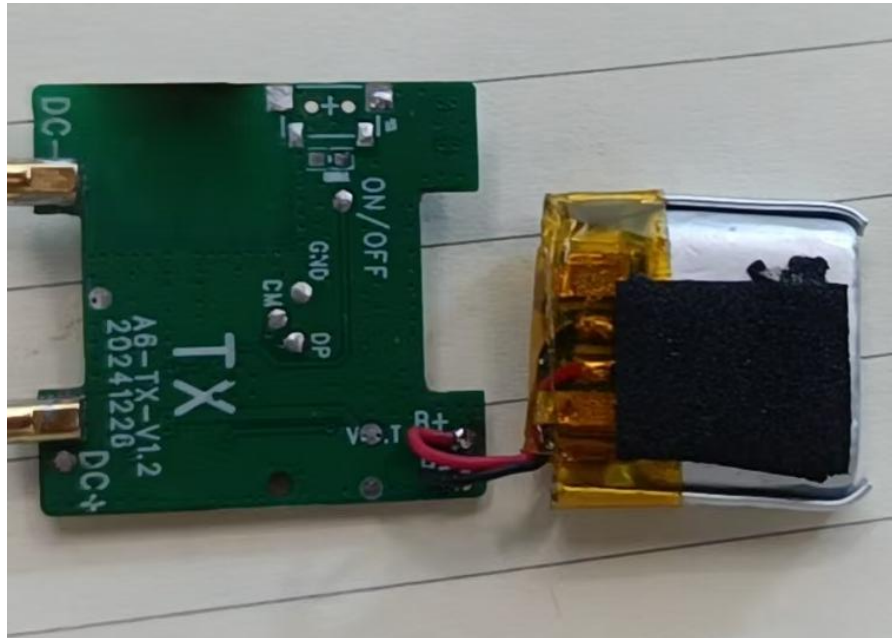
4.2 2D Pattern——BTANT

RX



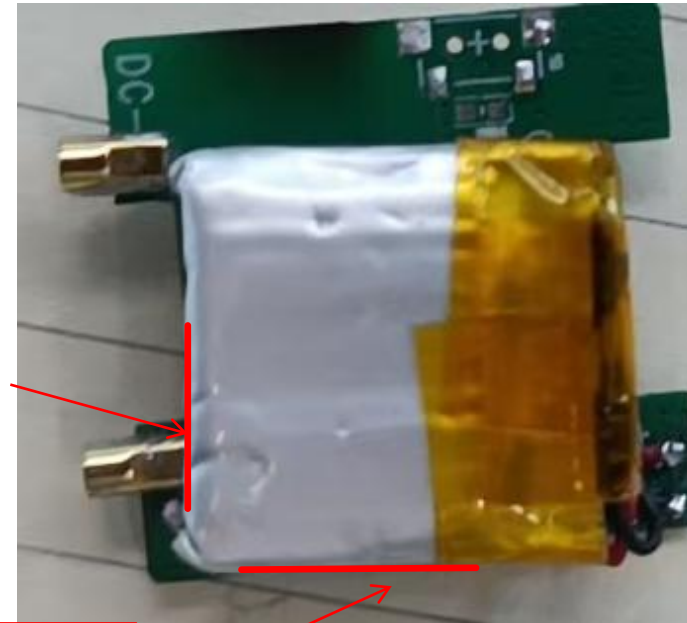
装配报告

电池正面贴一个双面
1mm厚泡棉



电池线长15mm,咪头线长不变, 电池背面贴双面胶防止移动, 紧靠左下两条红线装配。

此边靠
紧充电
柱。



此边靠
紧壳料

装配报告

以此两条边对齐安装天线



WORK REPORT

谢谢观看