

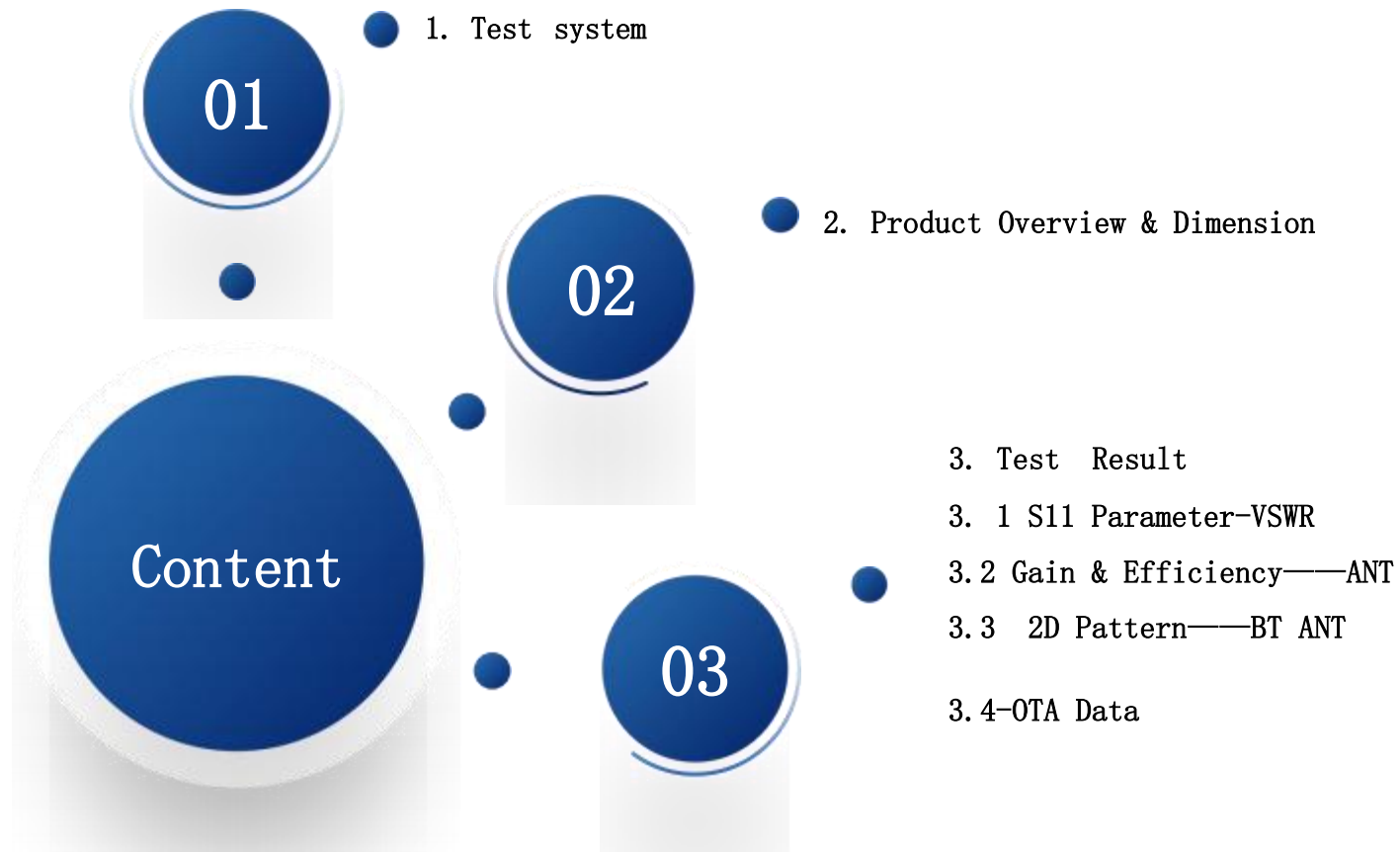


深圳合翊讯科技有限公司
Shenzhen Heyixun Technology Co., Ltd.

Customer	由我
Project	BS885Z5B
Antenna Revision	A0
Prepared by	17550061372
Checked by	15993920520
Date	2025. 08. 05

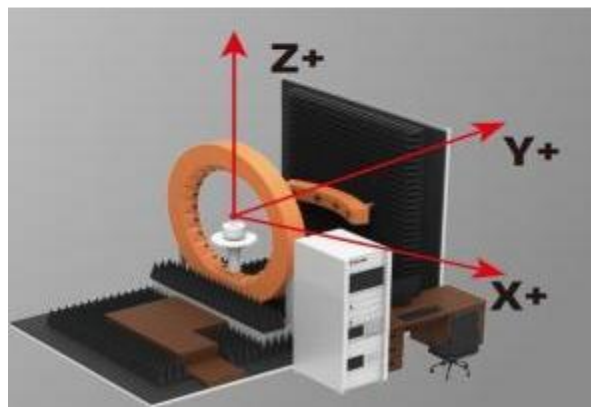
Purpose

This report is to measure the performance of antenna for **BS885Z5B** 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

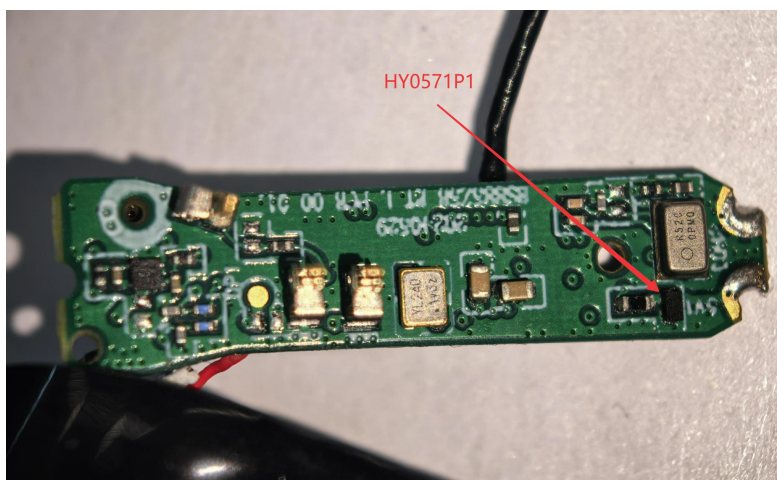
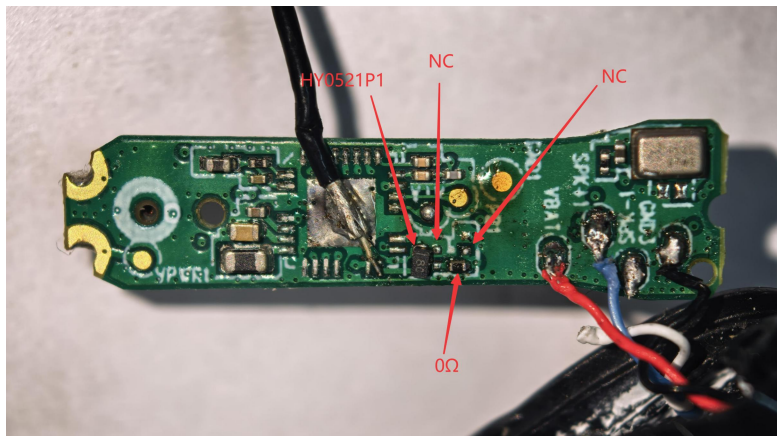


2.Product Overview & Dimension

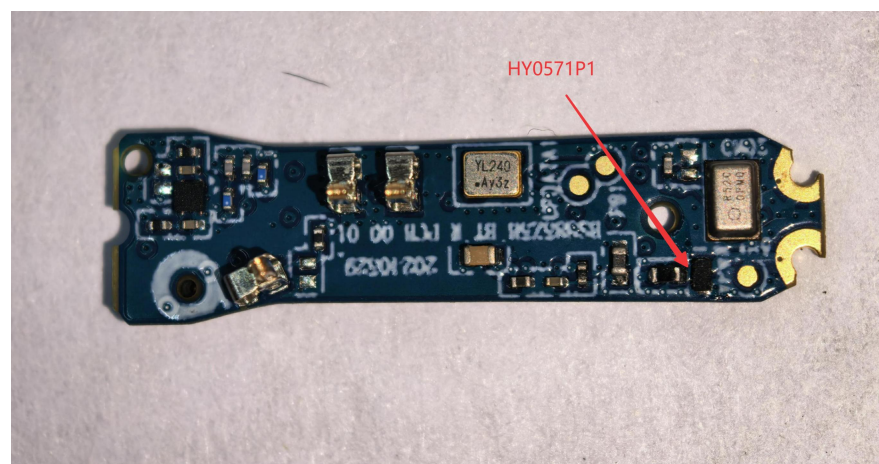
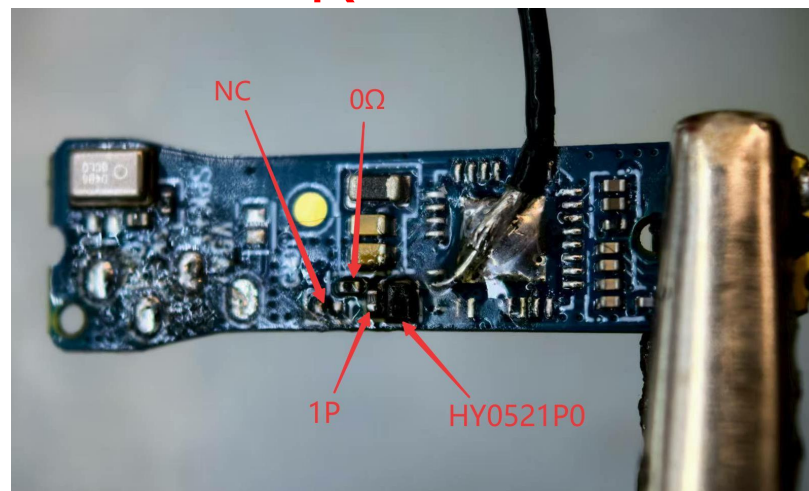


匹配参数

L



R



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



Frequency (MHz)	2400	2440	2480	2500
Log Mag	-5.96	-16.58	-12.03	-7.73
Smith(Ω)	80.24	57.70	47.01	43.32
VSWR	3.02	1.34	1.66	2.39

3. Test Result

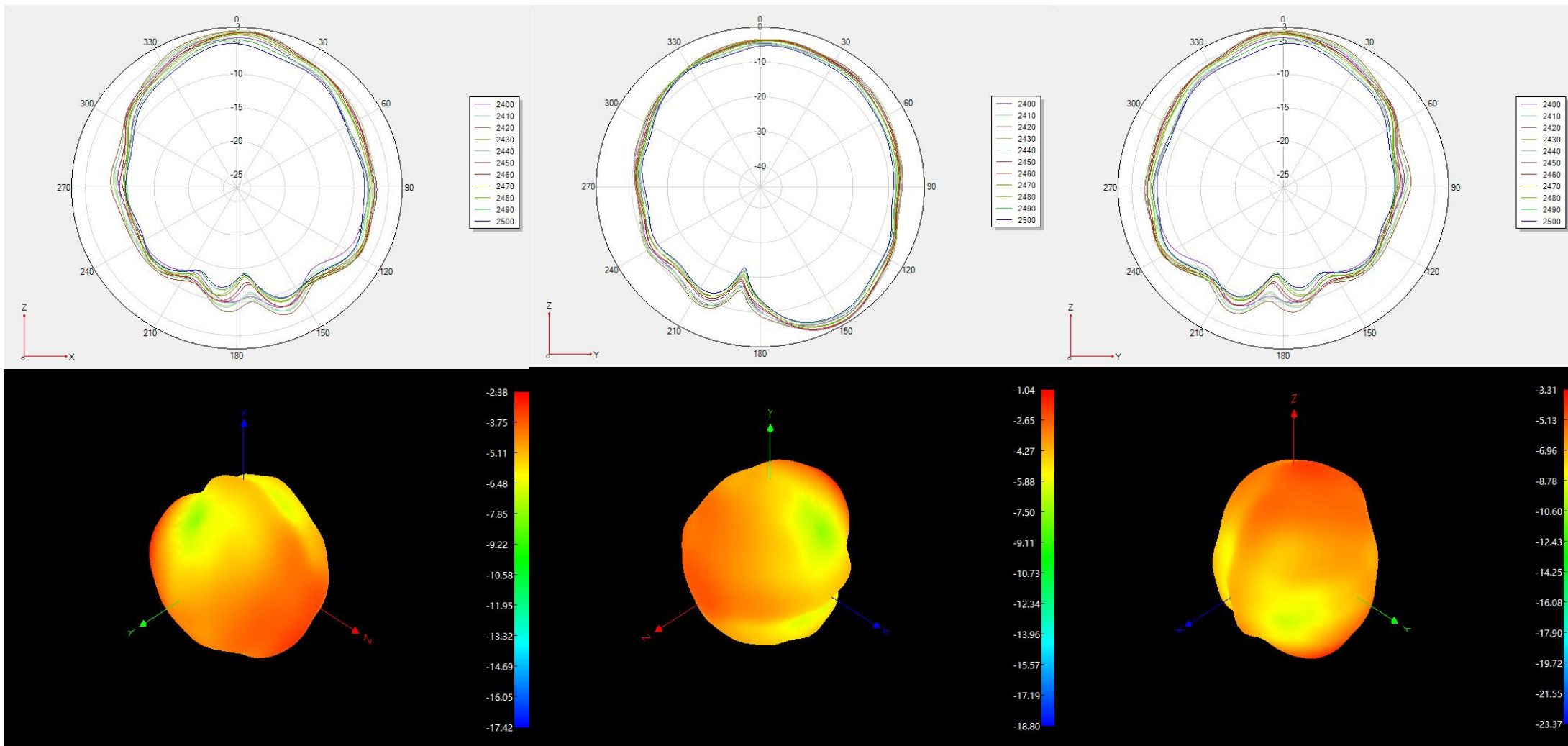
L

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	22.88	-2.38
2410	23.33	-1.93
2420	24.59	-1.03
2430	25.23	-0.89
2440	26.71	-0.66
2450	27.31	-1.04
2460	26.38	-0.78
2470	25.18	-1.67
2480	24.88	-3.31

3. Test Result

3.1 2D Pattern—BTANT

L



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



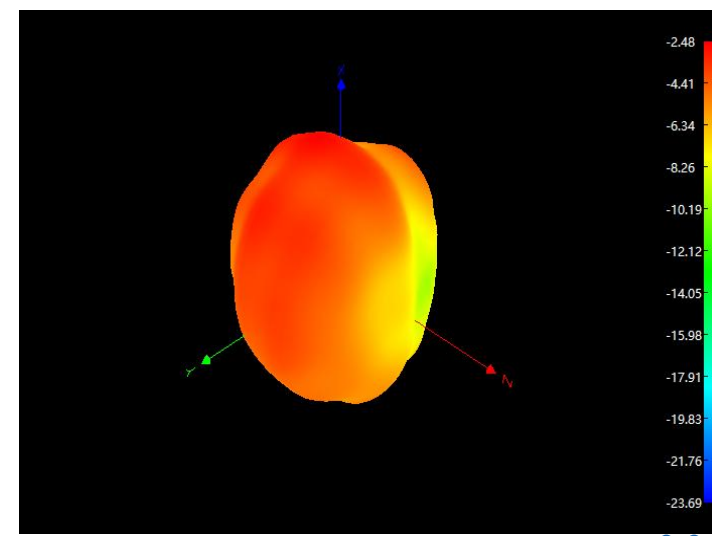
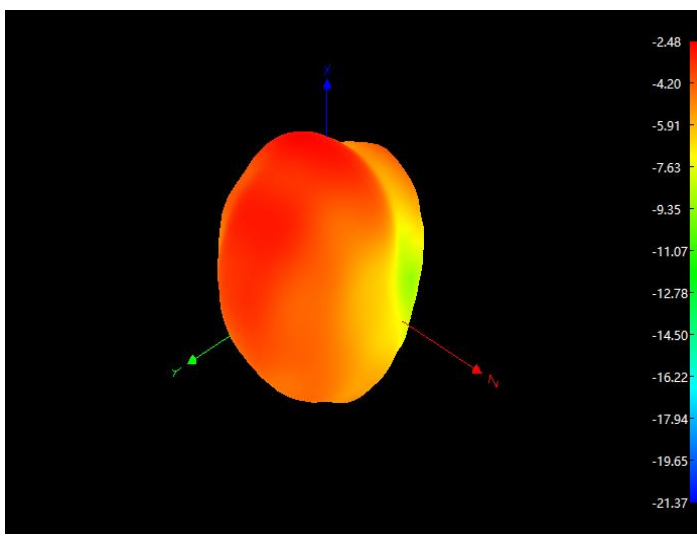
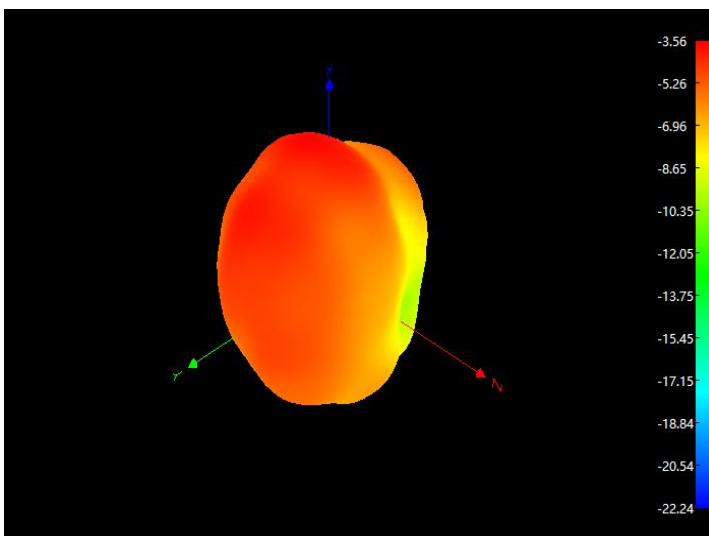
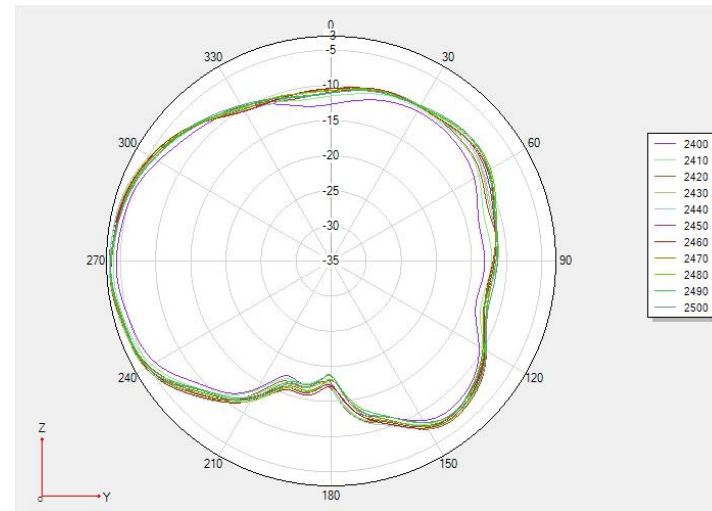
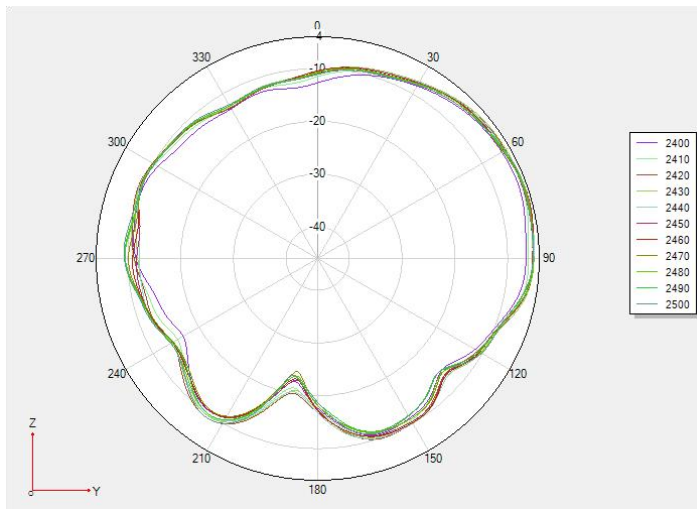
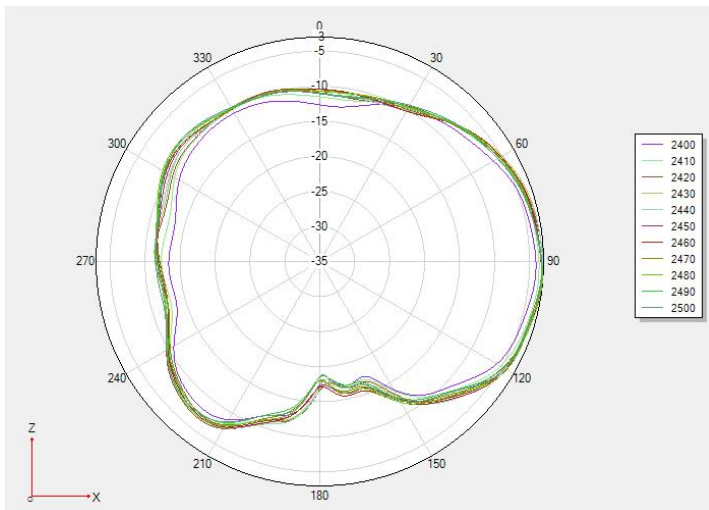
Frequency (MHz)	2400	2450	2480	2500
Log Mag	-4.74	-14.61	-16.17	-9.16
Smith(Ω)	65.88	7.56	-3.51	9.25
VSWR	3.82	1.48	1.35	2.04

3. Test Result

R

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	19.14	-3.56
2410	20.45	-3.08
2420	21.68	-2.61
2430	23.23	-2.47
2440	24.8	-2.48
2450	25.82	-2.44
2460	25.99	-2.48
2470	25.39	-2.54
2480	25.07	-2.48

3. Test Result

R

3.OTA Data

对比机数据

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band		Channel	TRP(dBm)	TIS(dBm)
BT	L	0	3.65	
		39	4.11	
		78	3.6	
	R	0	5.17	-90.06
		39	5.83	-89.55
		78	5.52	-84.26

3.OTA Data

885数据

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band		Channel	TRP(dBm)	TIS(dBm)
BT	L	0	1.09	-89.71
		39	3.37	-89.26
		78	1.84	-89.05
	R	0	1.42	-88.42
		39	2.81	-88.63
		78	0.95	-87.59

拉距对比测试

手机：三星S8 ,IQOO13

地点：九方广场楼下广场

对比机拉距：三星S8：11.5M iQOO13: 24M

调试机拉距：三星S8：11.5M iQOO13: 24M

WORK REPORT

谢谢观看