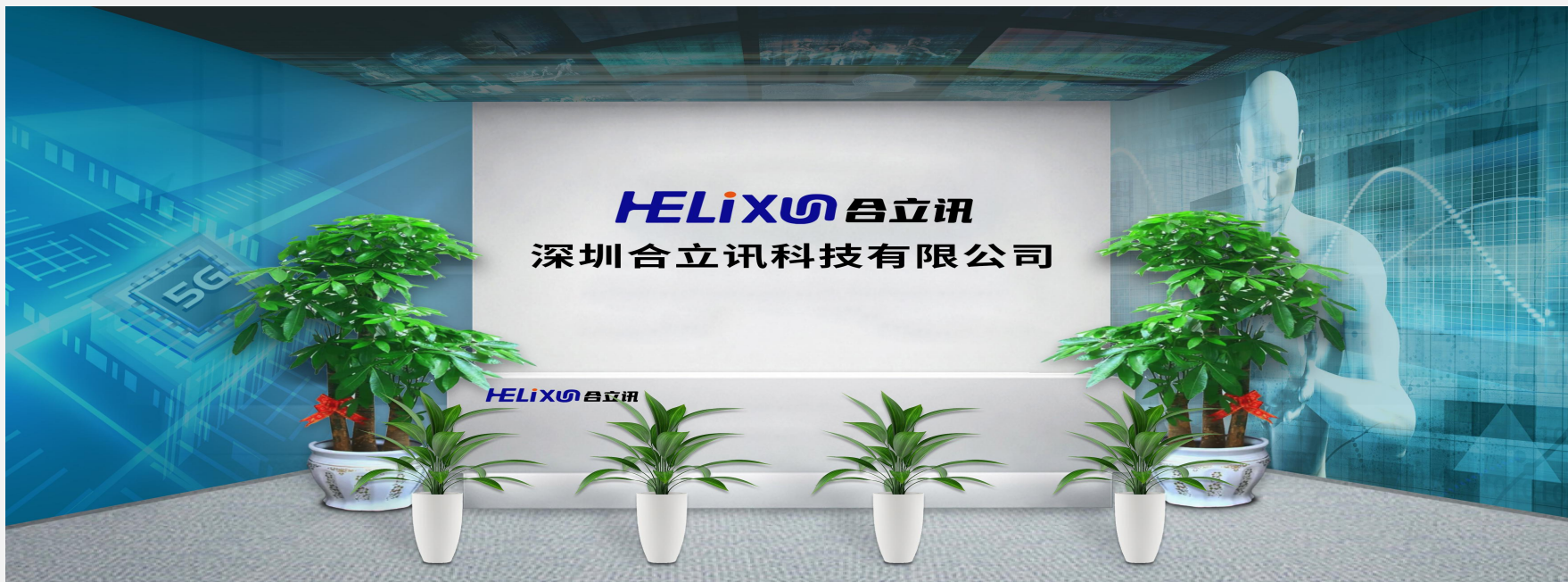


# Antenna Test Report



Customer	佳利得
Project	H668BT
Antenna Revision	A0
Prepared by	15993920520
Checked by	15993920520
Date:	2024. 06. 13

## ***Purpose***

This report is to measure the performance of antenna for **H668BT** The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

## ***Content***

1. est system
- 2.Product Overview Dimension
3. Test Result
  - 3.1 S11 Parameter
  - 3.2 Gain & Efficienc
  - 3.3 2D Pattern
  - 3 .4 OTA

## 1. Test System

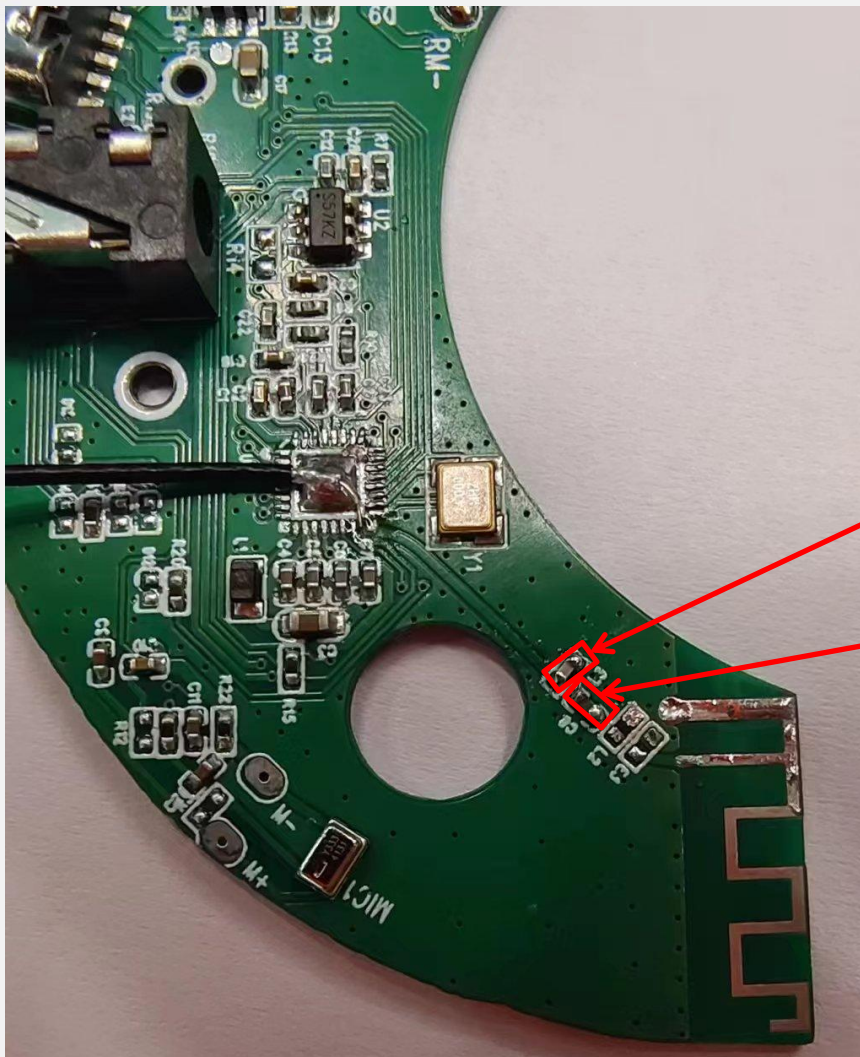
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C



## ***2.Product Overview & Dimension***





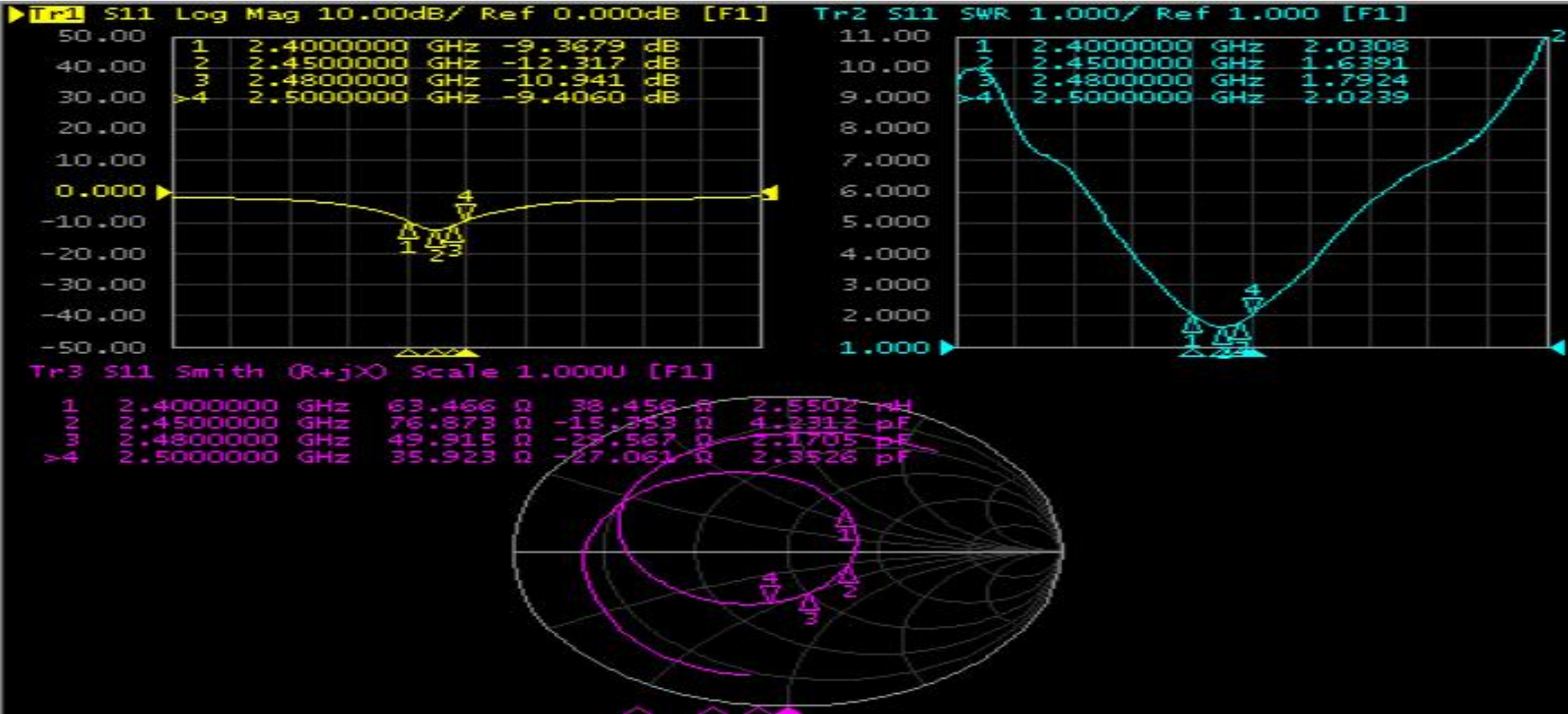


0.3P

4.7N

## 3. Test Result

### 3.1 S11 Parameter-VSWR



Frequency (MHz)	2.40	2.45	2.48	2.50
Log Mag	-9.36	-12.31	-10.94	-9.40
VSWR	2.03	1.63	1.79	2.02
Smith(Ω)	63.46	76.87	49.91	35.92

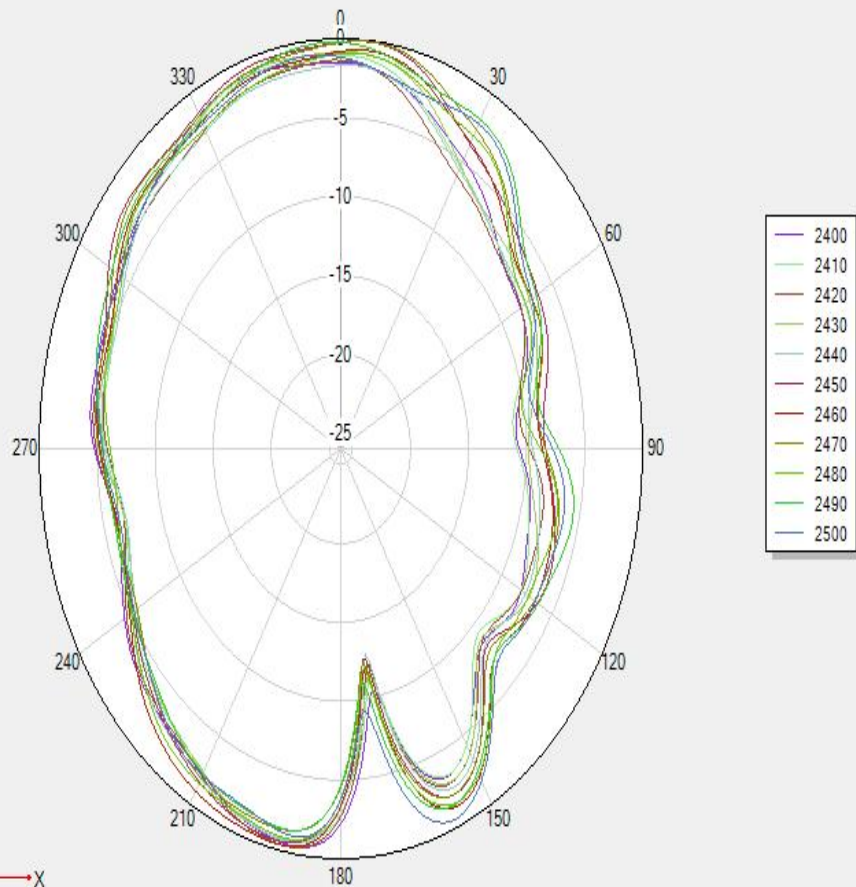
## 3. Test Result

### 3.2 Gain & Efficiency——ANT

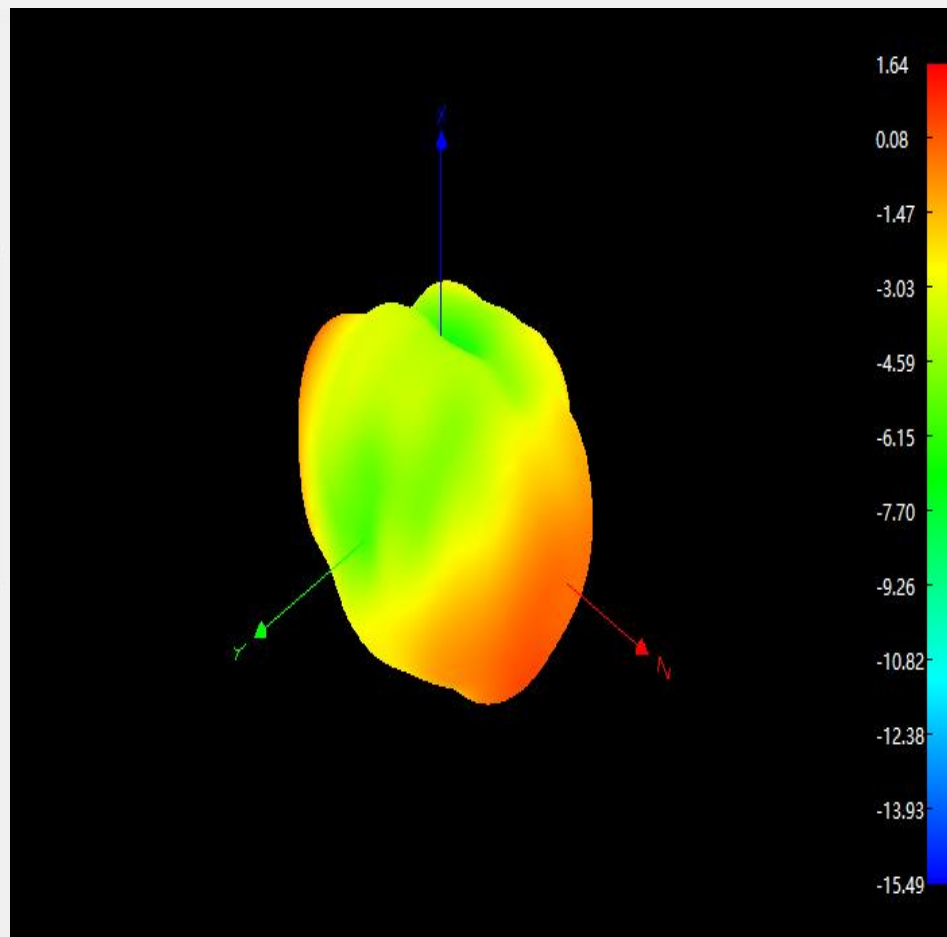
Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	34.83	1.64
2410	32.58	1.49
2420	32.28	1.78
2430	35.16	1.91
2440	34.36	2.23
2450	41.59	2.31
2460	40.64	2.96
2470	39.36	2.13
2480	36.31	2.76
2490	38.46	1.96
2500	35.73	2.39

## 3. Test Result

### 3.3 2D Pattern — BT ANT



2400MHz

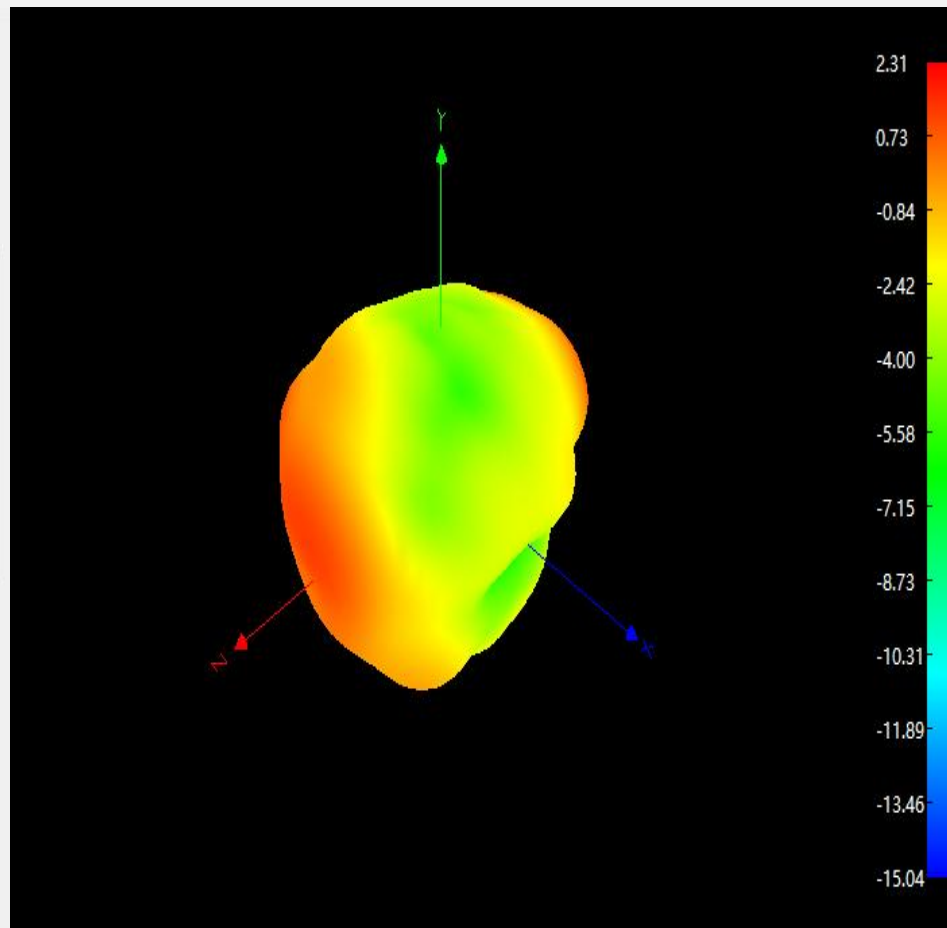
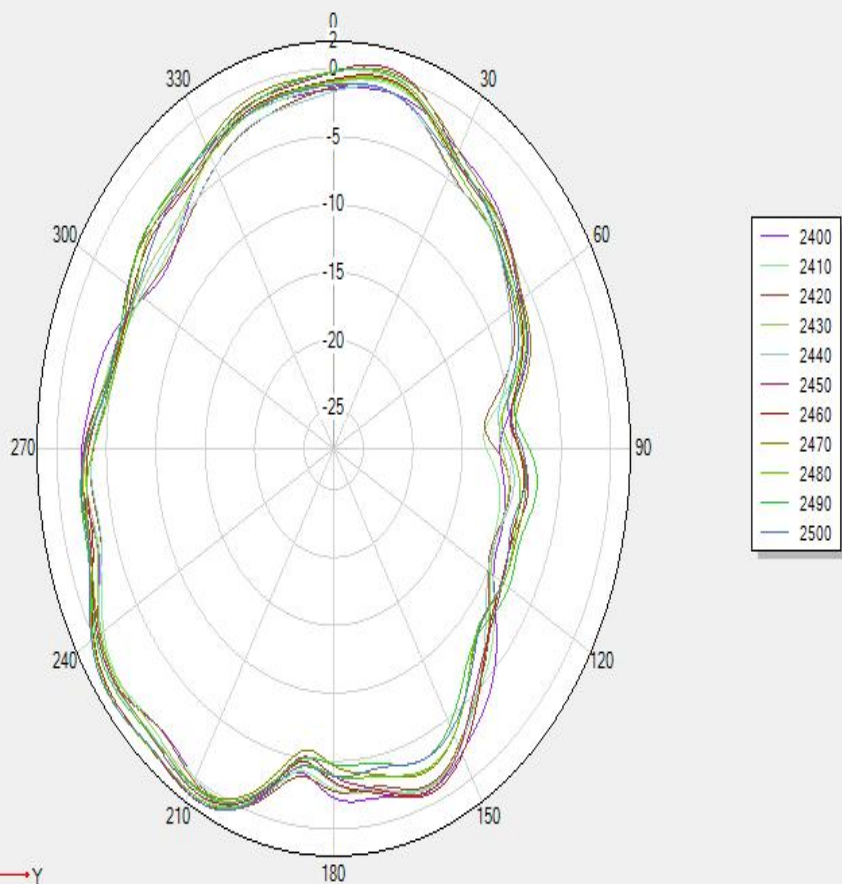




## 3. Test Result

### 3.3 2D Pattern——BT ANT

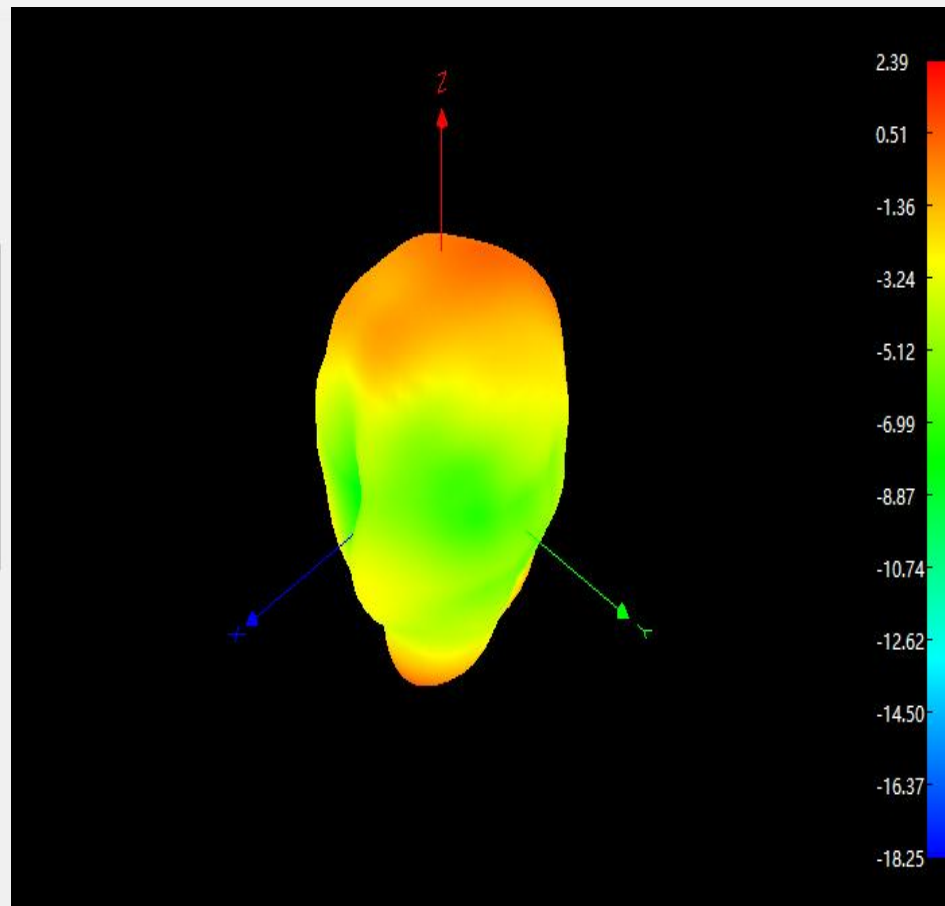
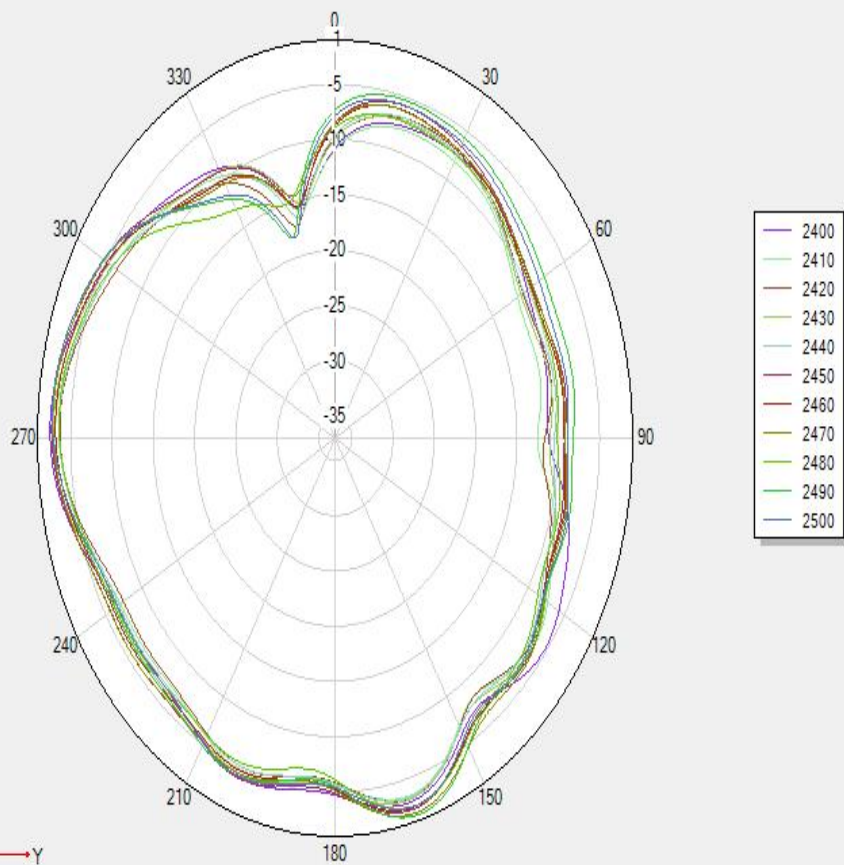
2450MHz



## 3. Test Result

### 3.3 2D Pattern——BT ANT

2500MHz

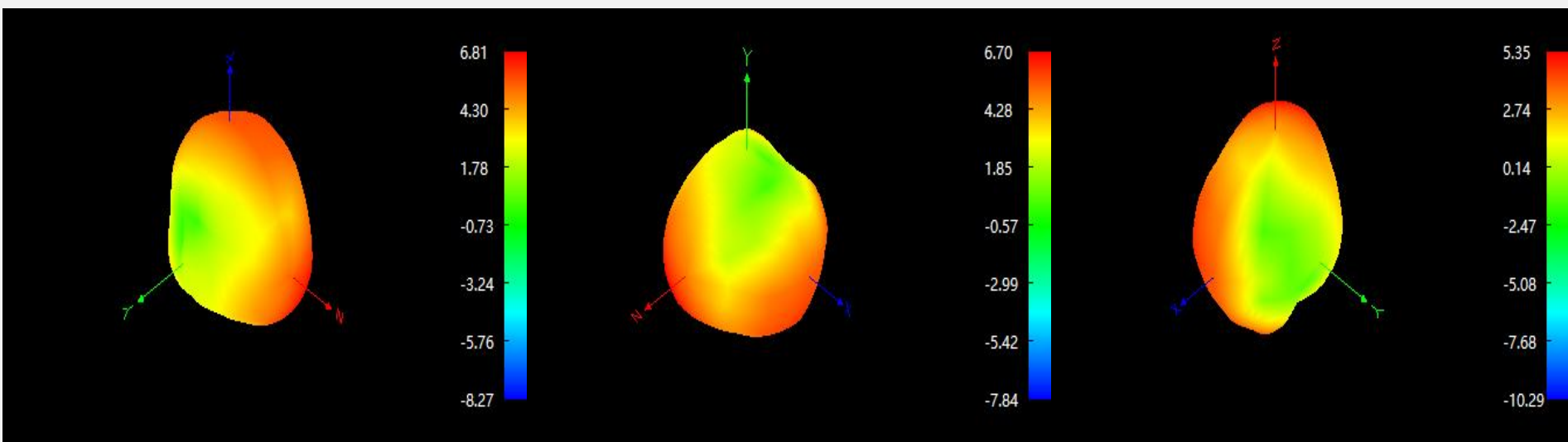
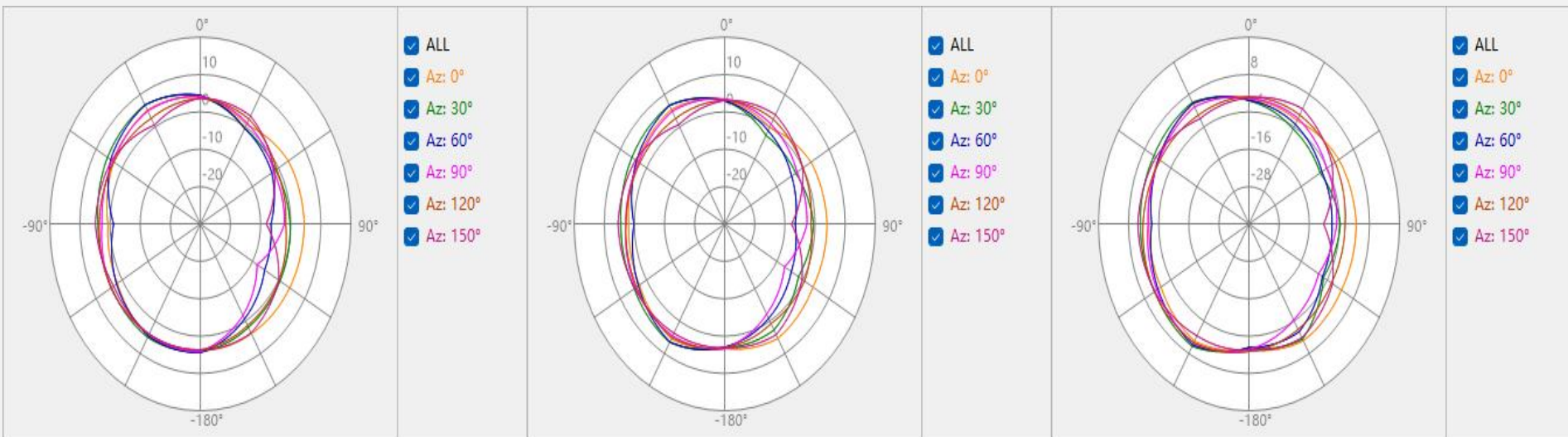


## 3.4 OTA Data

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band		Channel	TRP(dBm)	TIS(dBm)
BT		0	3.14	-85.8
		39	3.3	-85.44
		78	1.82	-84.85

## 3.Test

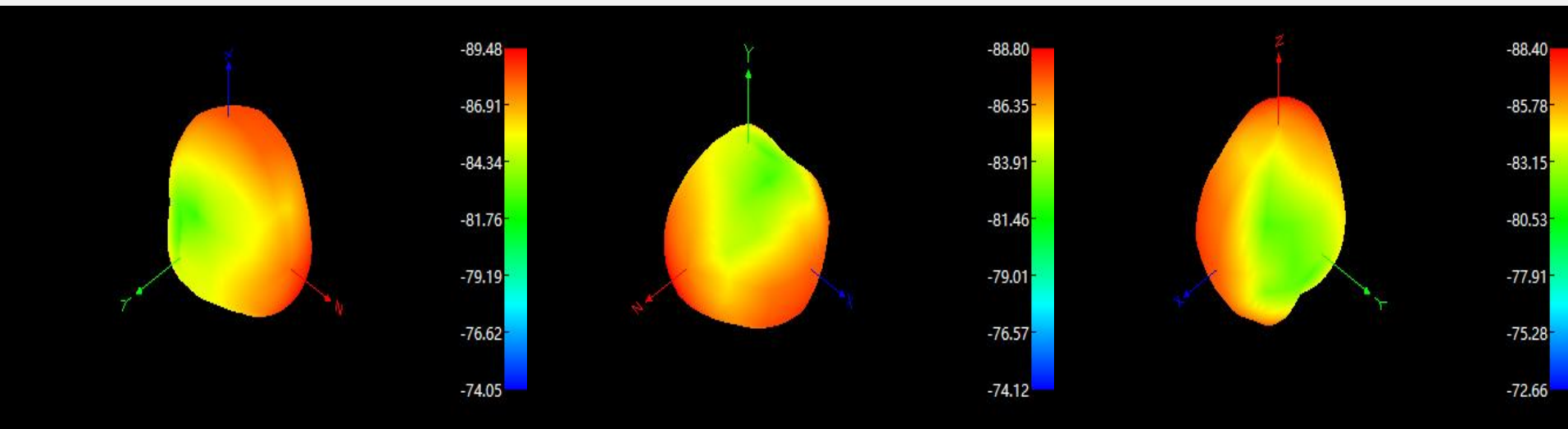
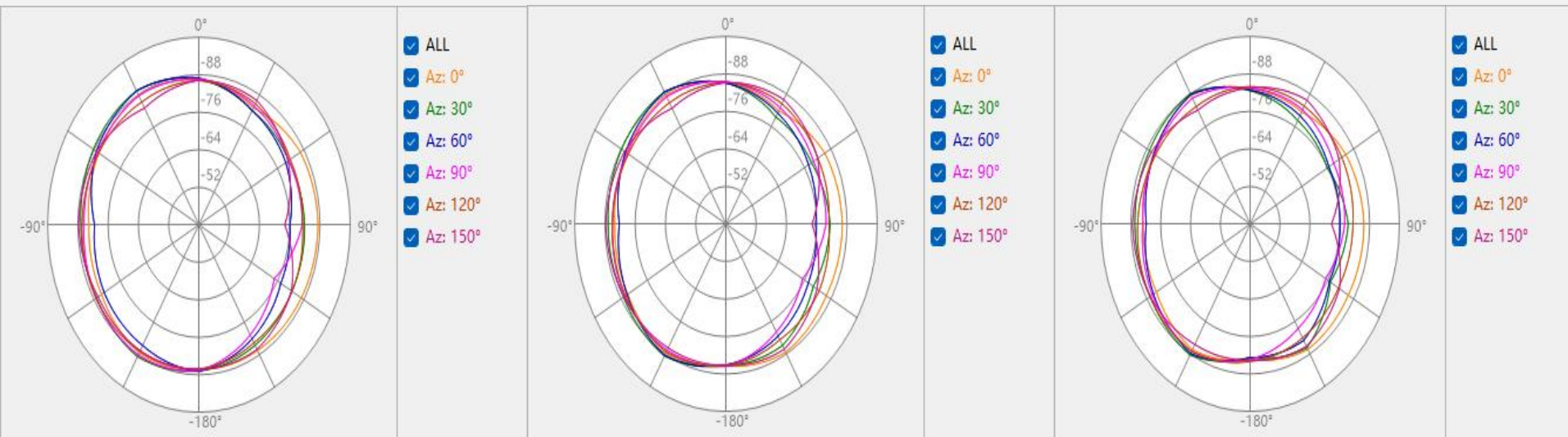
## Result TRP



## 3. Test

## Result

TIS





*Thank you!*