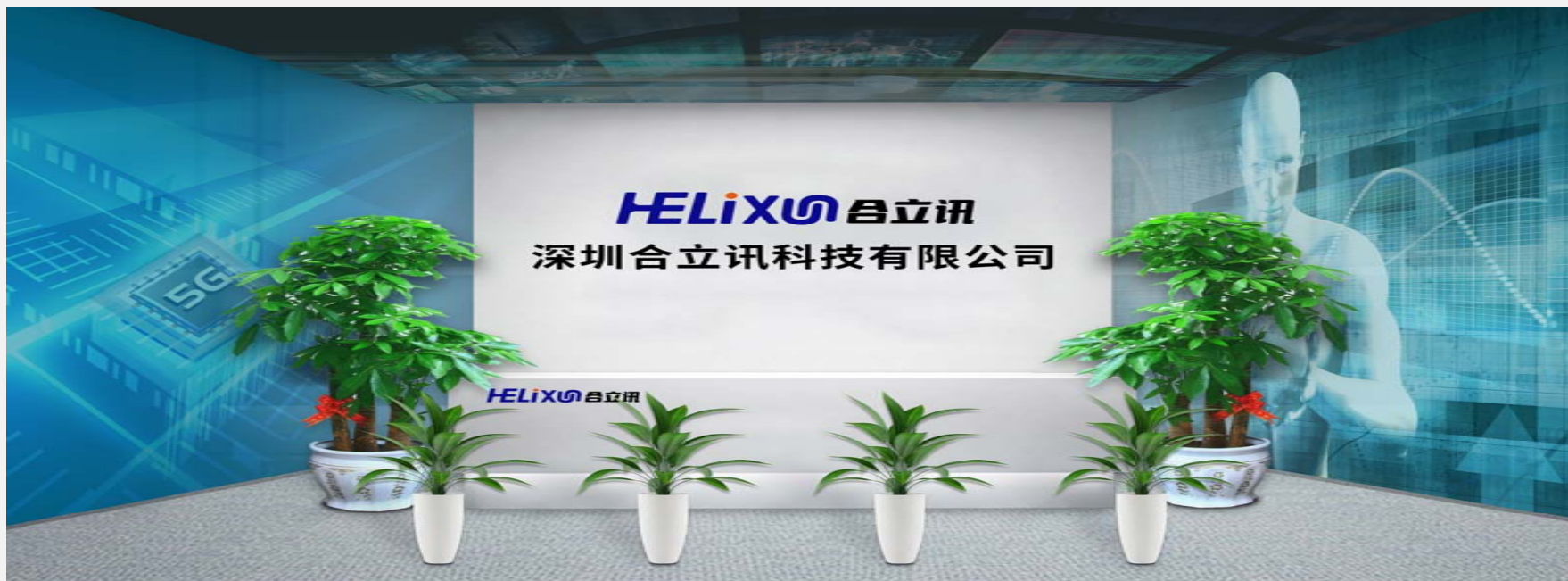


# Antenna Test Report



Customer	志泽
Project	CM668
Antenna Revision	A0
Prepared by	15993920520
Checked by	15993920520
Date:	2023.05.16

## ***Purpose***

This report is to measure the performance of antenna for **CM668**

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 & Efficiency
  - 3.3 2D Pattern

## 1. Test System

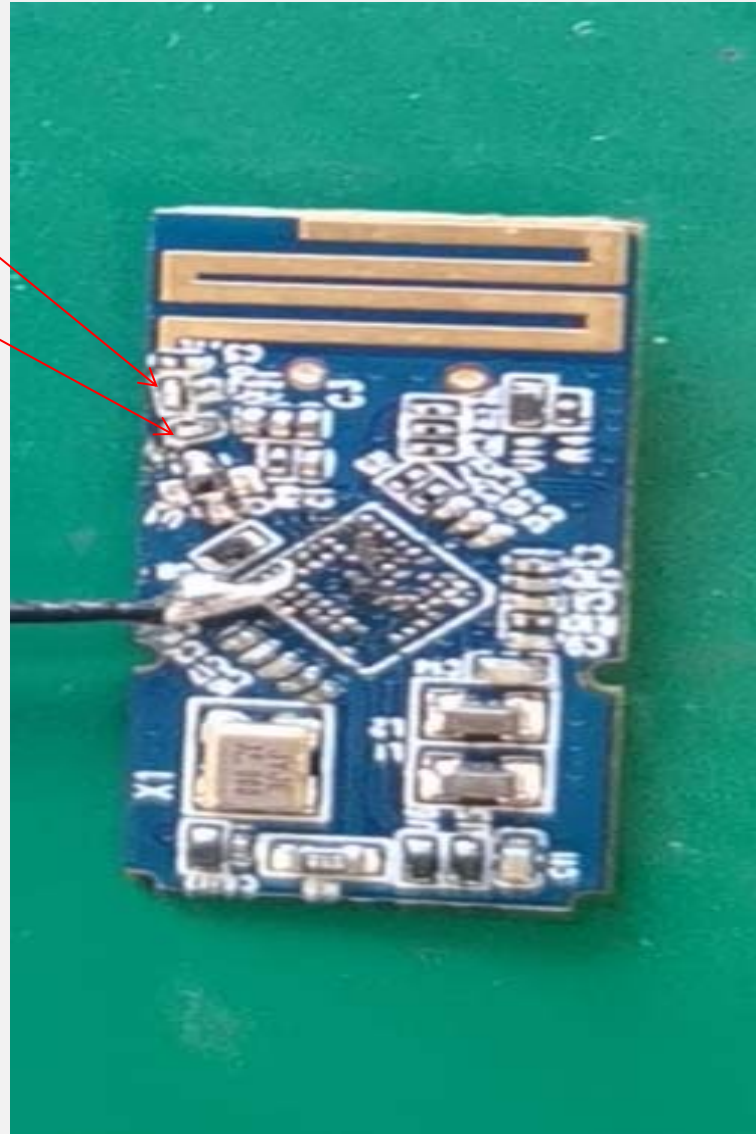
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C



## 2. Product Overview & Dimension

1.5NH

1.5P



## 3.Test Result L

### 3.1 S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500
VSWR	2.12	1.35	1.13	1.25

### 3. Test Result L

#### 3.1 S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-8.85	-16.34	-24.08	-18.92

## 3.Test Result L

### 3.1 S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smith(Ω)	54.49	63.86	54.10	45.12

## 3. Test Result

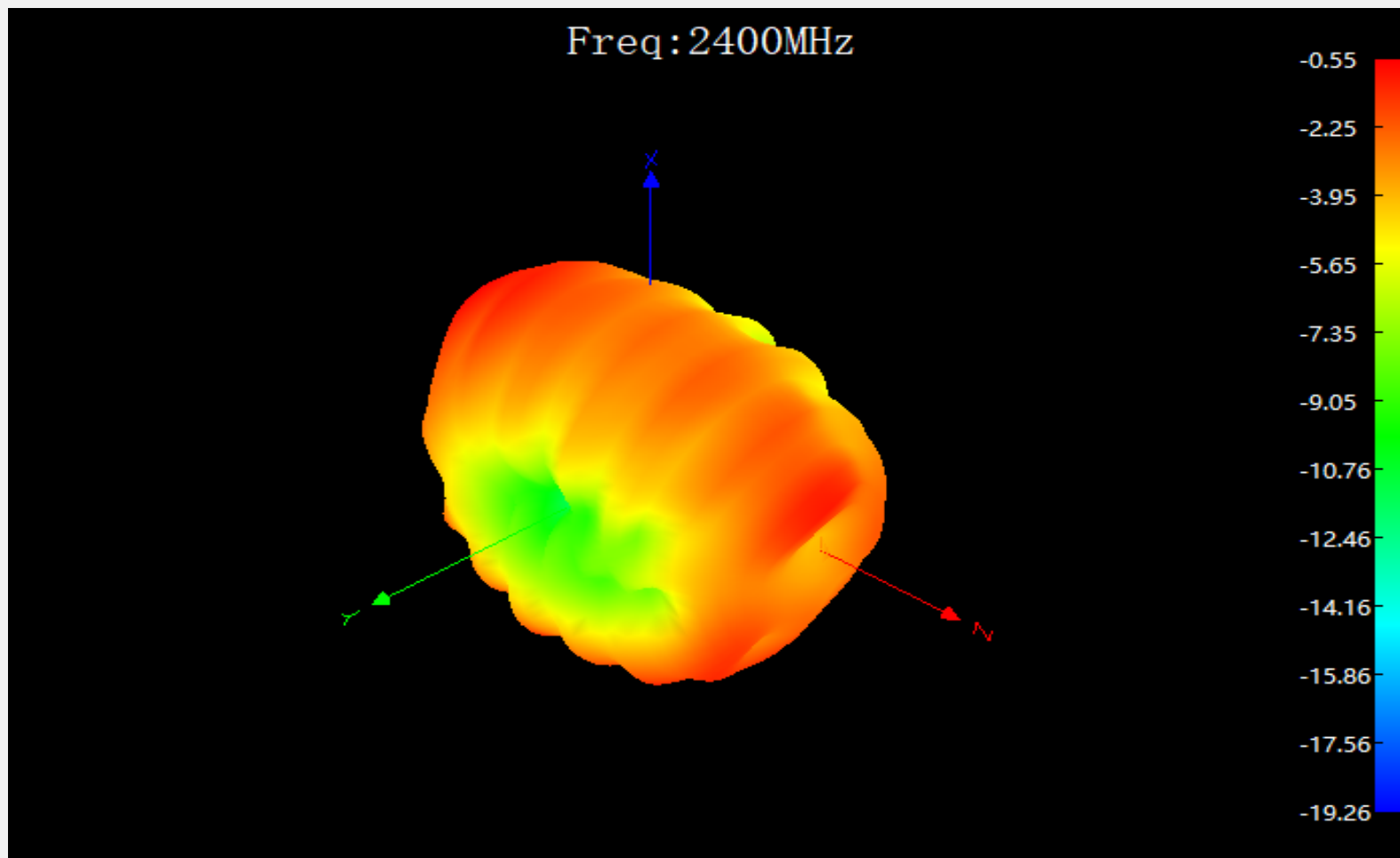
### 3.2 Gain & Efficiency——**ANT-L**

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	27.23	-0.55
2410	25.7	-0.74
2420	26.92	-0.55
2430	29.85	0.05
2440	28.77	-0.14
2450	33.73	0.16
2460	33.11	0.45
2470	32.58	0.08
2480	30.2	-0.08
2490	33.34	0.54
2500	30.2	0.53



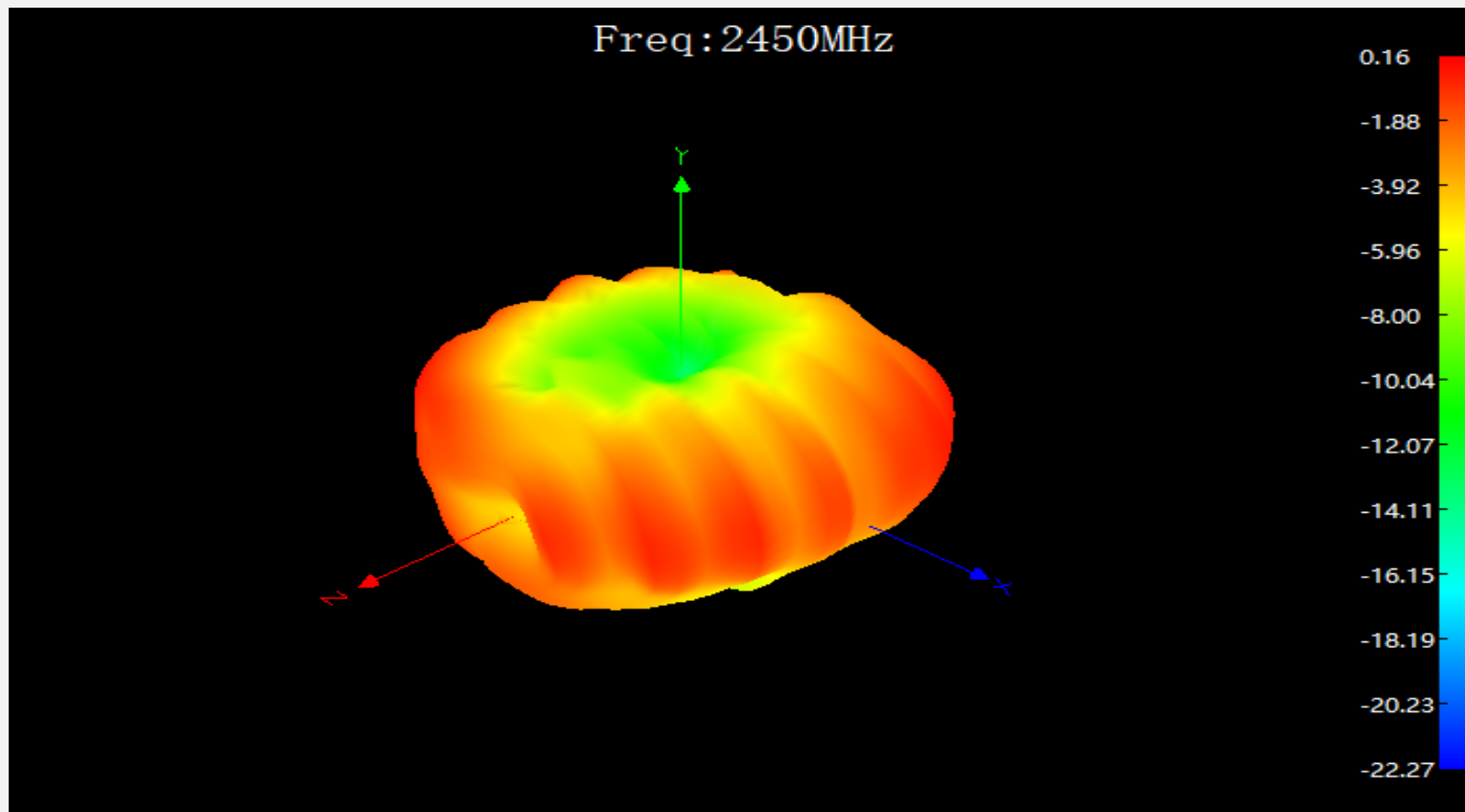
### 3. Test Result

#### 3.2 2D Pattern——BT ANT



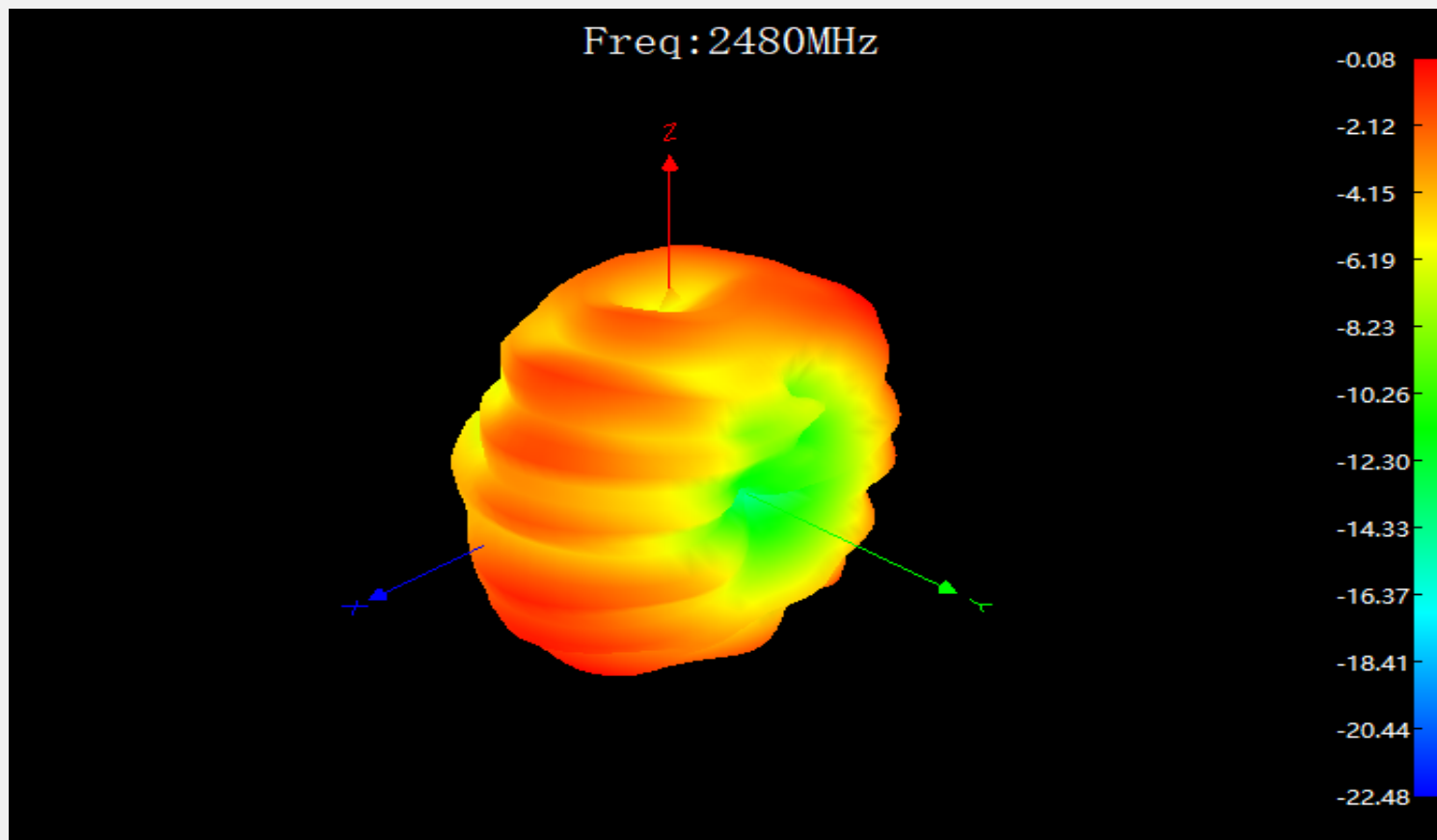
### 3. Test Result

#### 3.2 2D Pattern — BT ANT



### 3. Test Result

#### 3.2 2D Pattern——BT ANT



*Thank you!*