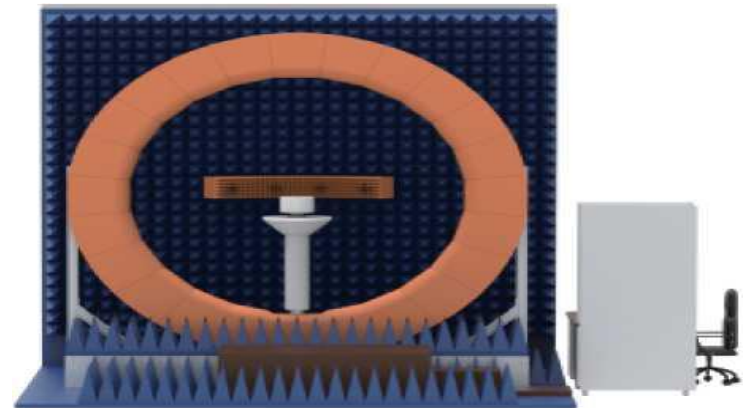
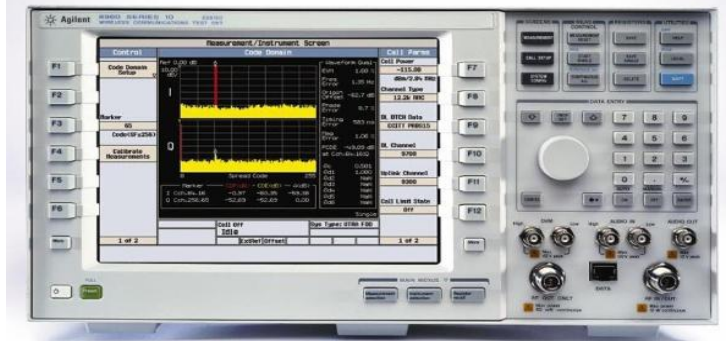




Customer	距京
Project	V27
Antenna Revision	A0
Prepared by	18814303605
Checked by	
Date :	2025. 04. 24

2. 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



Purpose

This report is to measure the performance of antenna for **V27** The antenna operating frequency at 2400MHz-2500MHz 。 All test data are showed as below.

Content

1. Product Overview & Dimension
2. Test system
3. Test Result

3.1 S11 Parameter

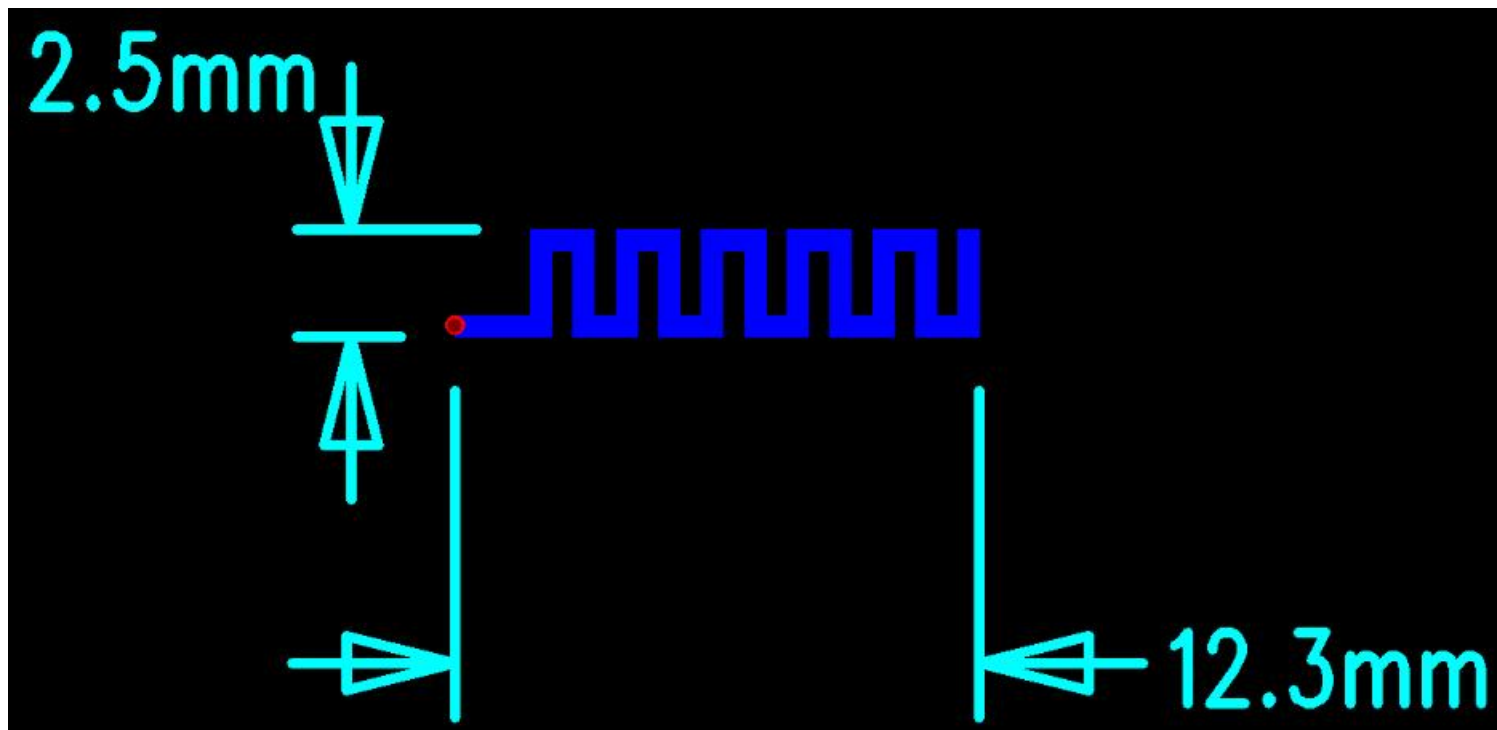
3.2 Gain & Efficiency

3.3 2D Pattern

4. OTA

4.1 Test Result

4.2 2D Pattern

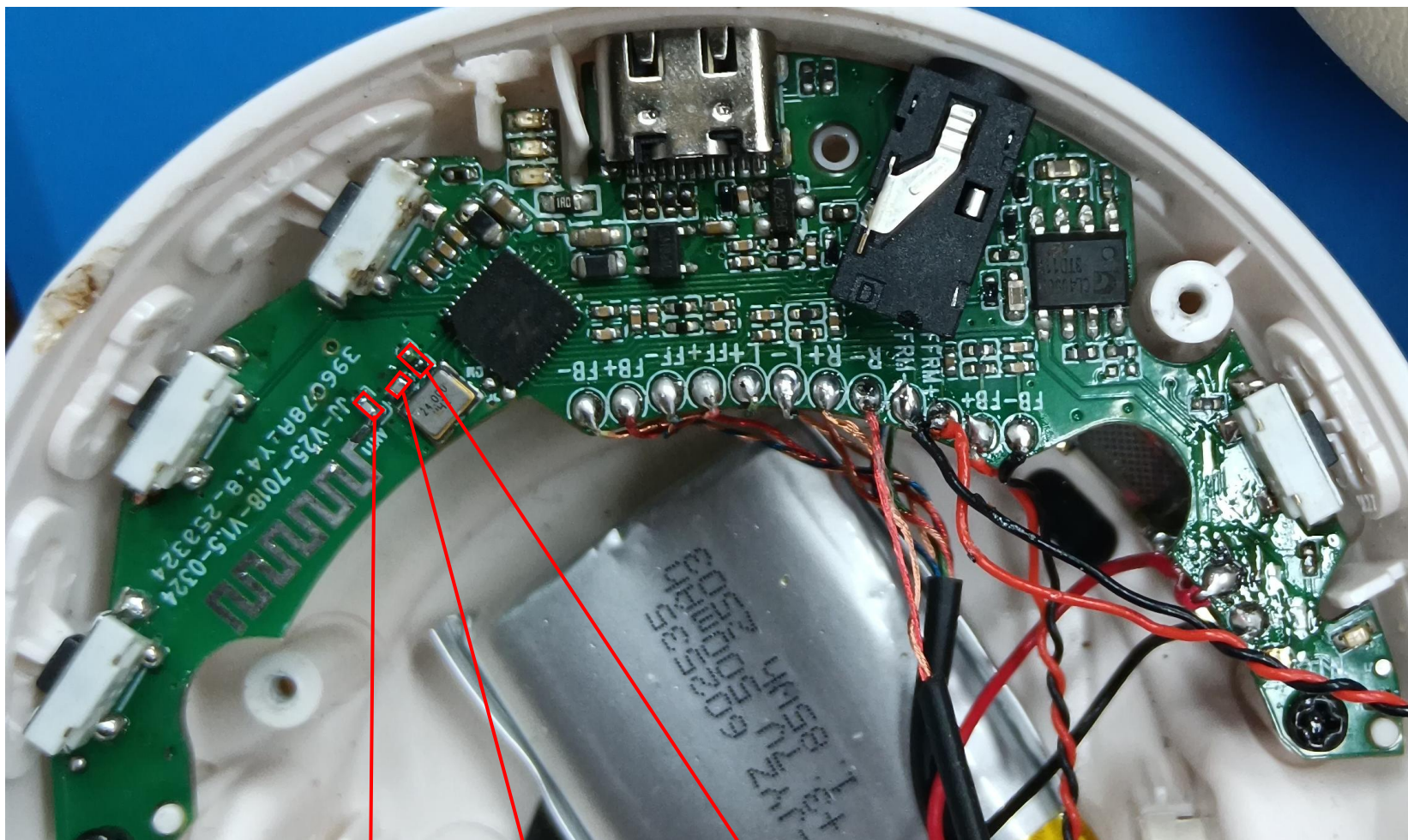


Onboard serpentine antenna

Manufacture: ZHUHAI JIELI TECHNOLOGY CO.,LTD

Address:Zhuhai Xiangzhou Nanping Technology Yuankexing Road
No.333,Xiangzhou Zhuhai Guangdong China

匹配图



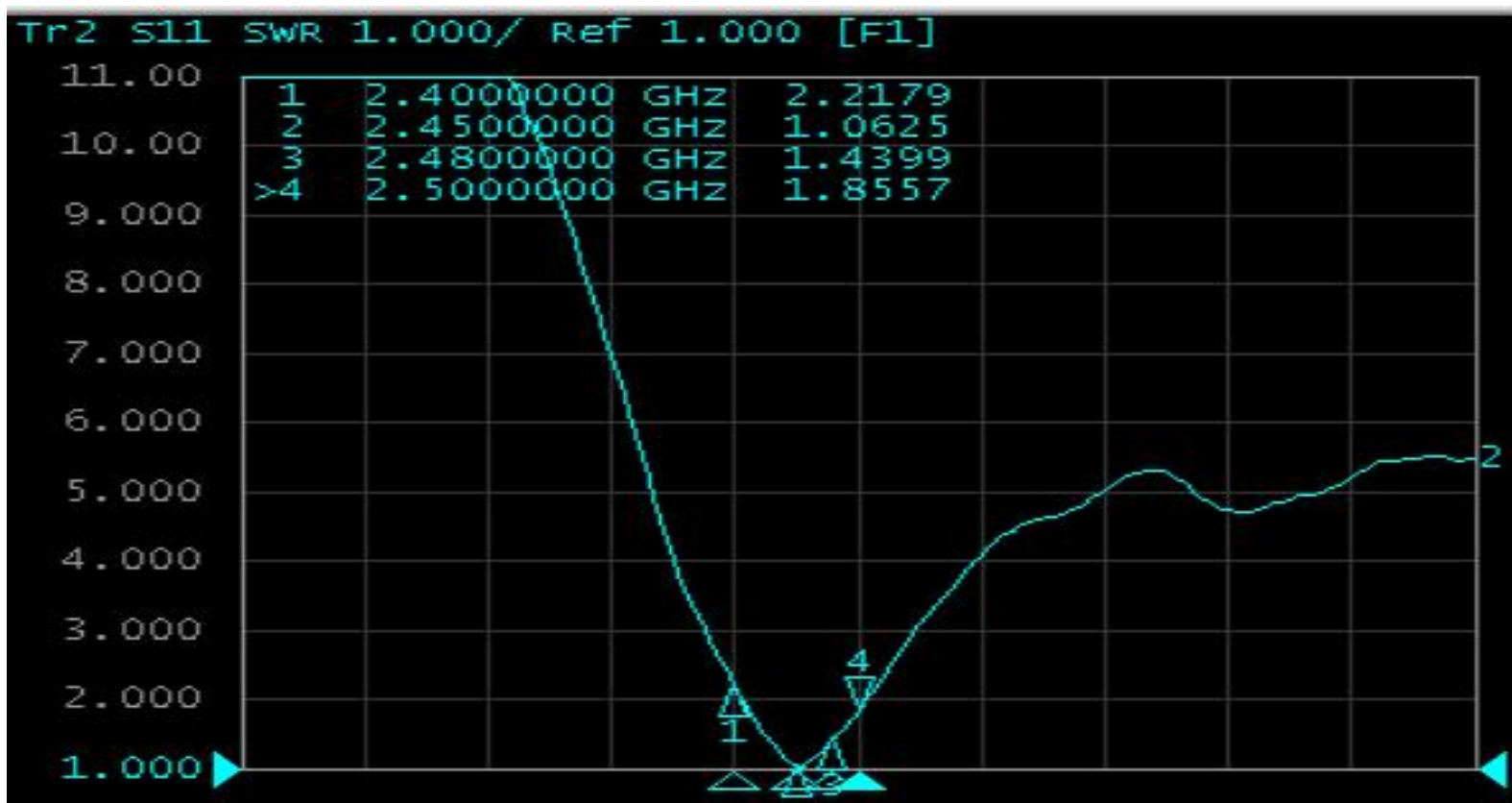
0.5P

1.8P

2.N

3.1 Test Result

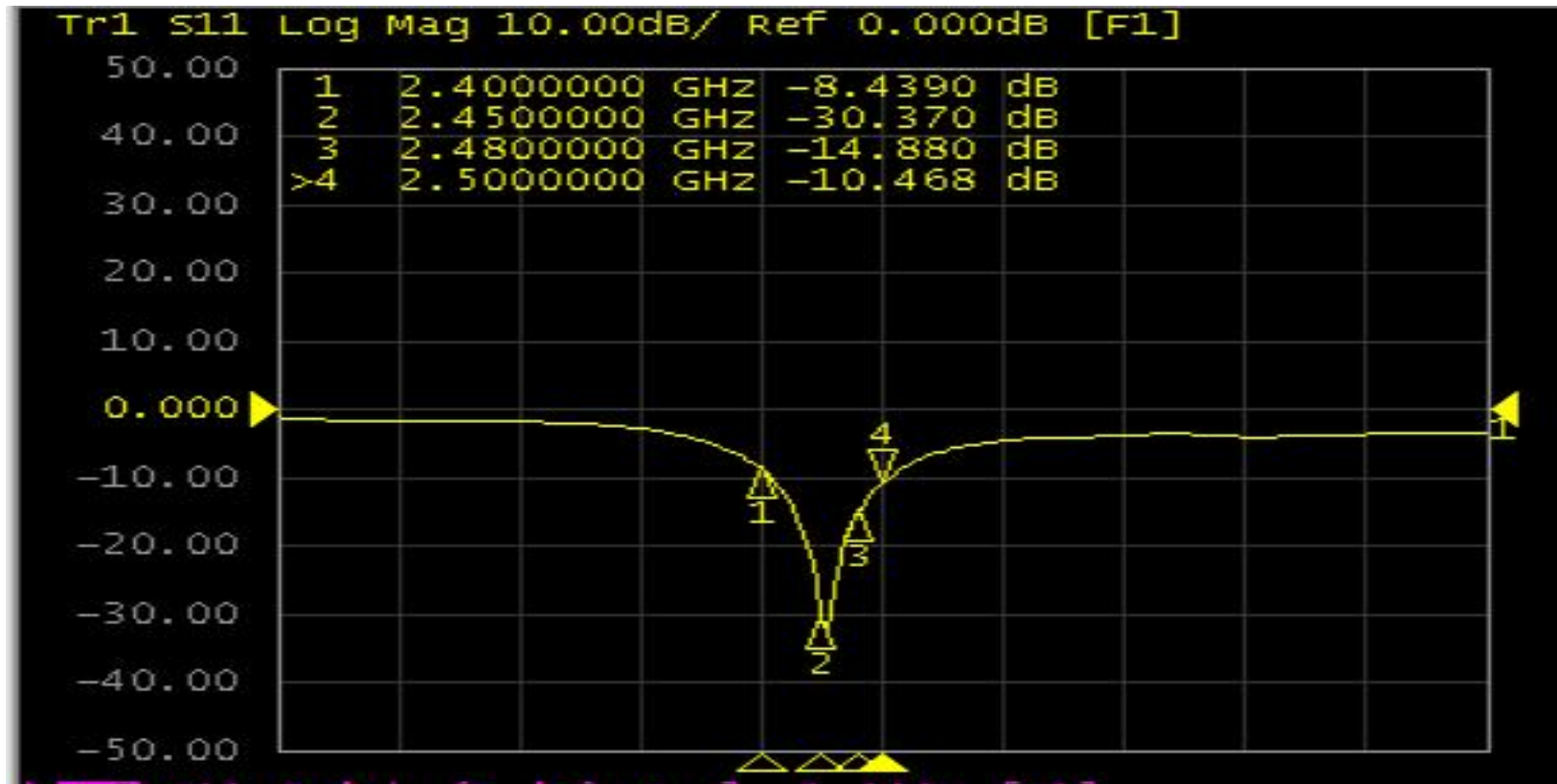
1 .S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500
VSWR	2.21	1.06	1.43	1.85

3.1 Test Result

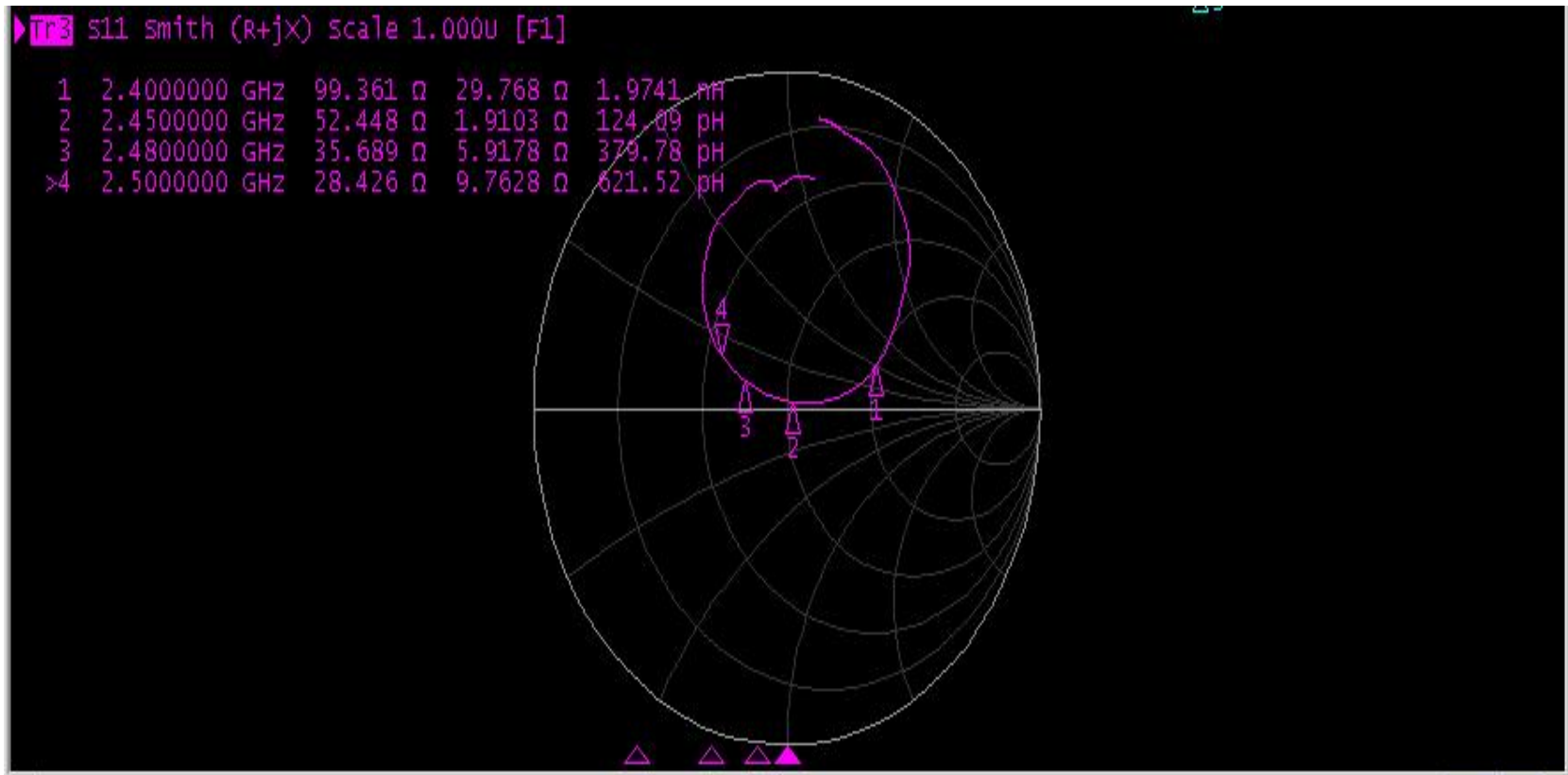
2. S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-8.43	-30.37	-14.88	-10.46

3.1 Test Result

3.S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smi th(Ω)	99.36	52.44	35.68	28.42

3.2 Test Result

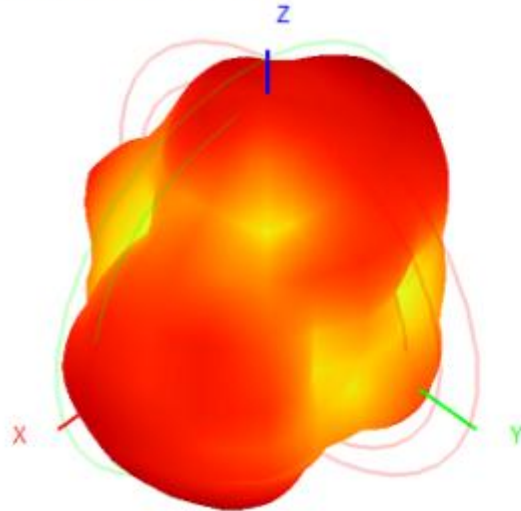
1 Gain & Efficiency—**ANT**

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	30.07	-0.20
2410	30.79	-0.36
2420	31.45	0.19
2430	32.20	0.55
2440	33.71	1.25
2450	34.03	1.80
2460	35.64	1.99
2470	36.78	2.09
2480	37.50	2.16

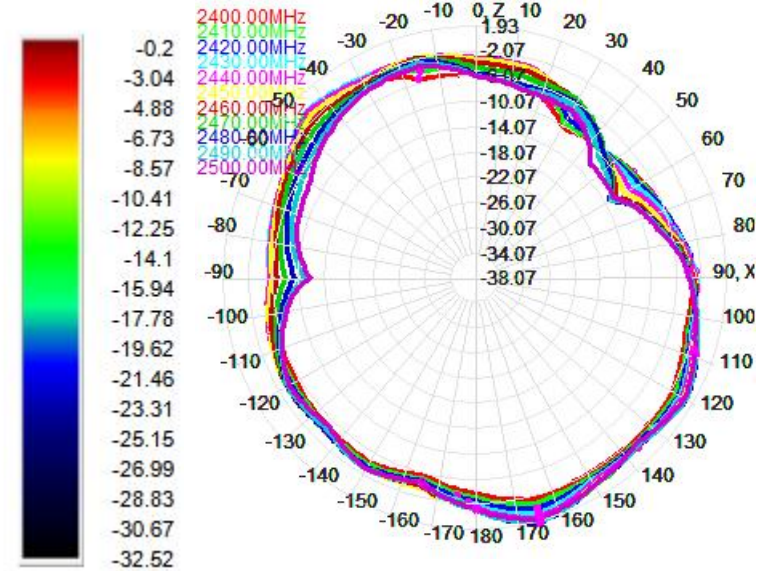
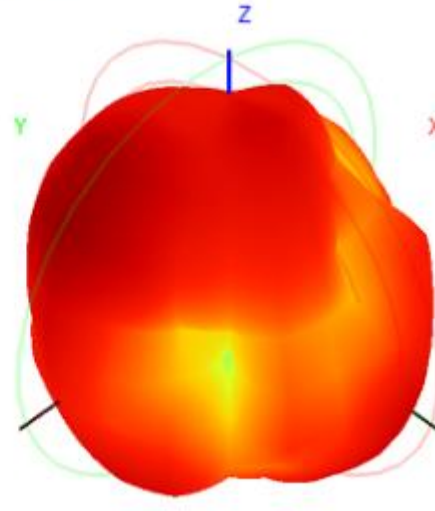
3.3 Test Result

1 2D Pattern——BTANT

2400.0MHz Total, Eff: 30.0%



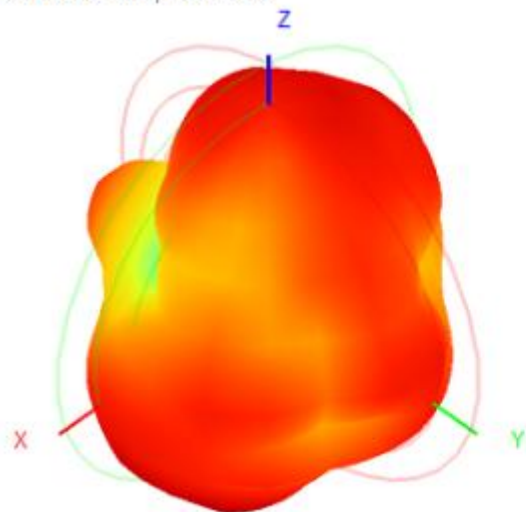
Back View



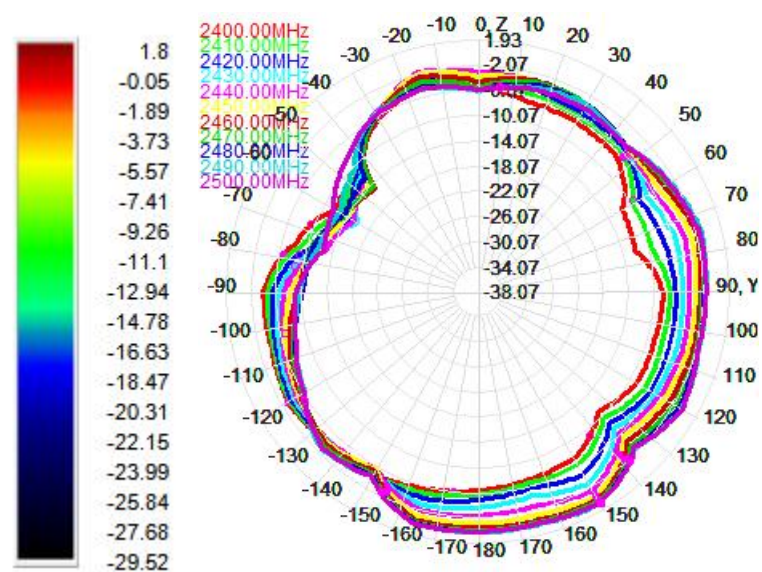
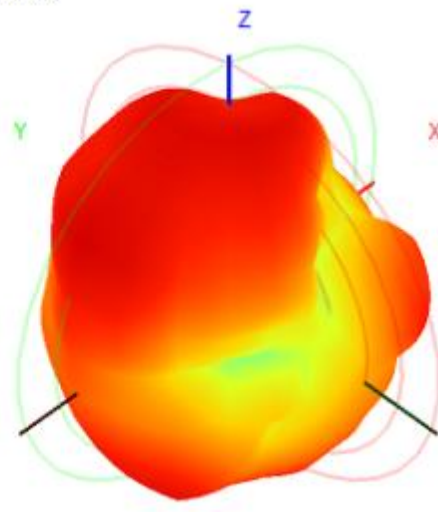
3.3 Test Result

2 2D Pattern—BTANT

2450.0MHz Total, Eff: 34.0%



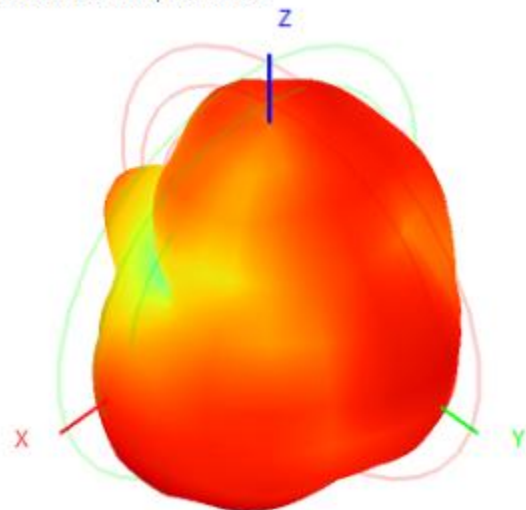
Back View



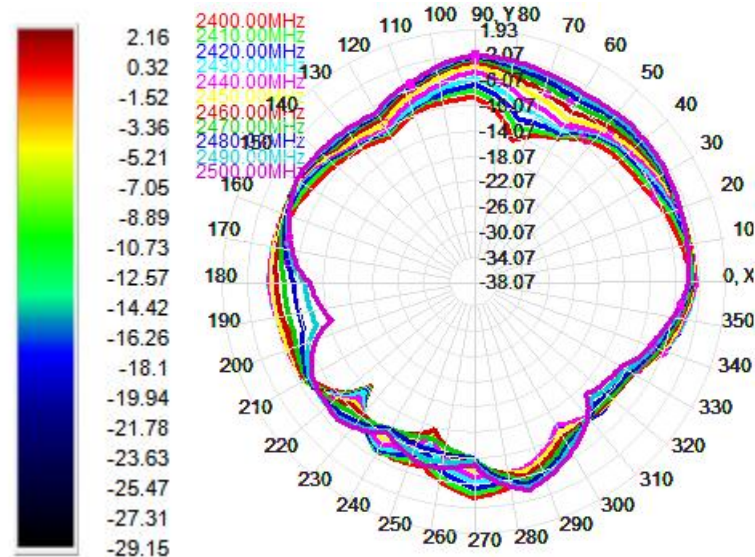
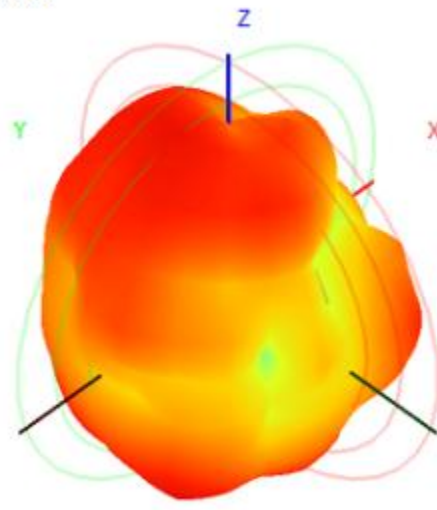
3.3 Test Result

3 2D Pattern—BTANT

2480.0MHz Total, Eff: 37.5%



Back View



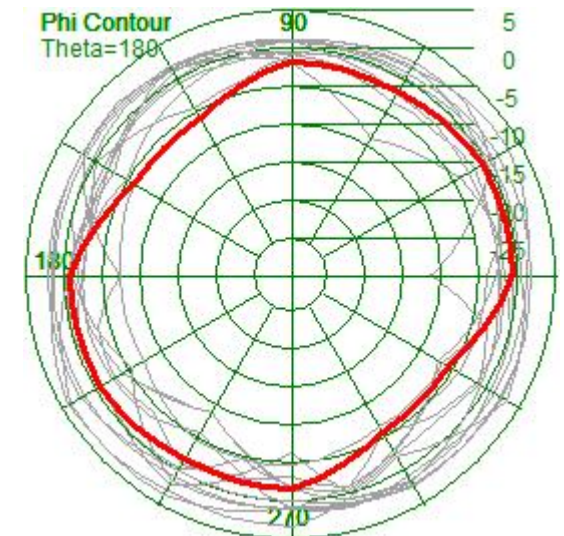
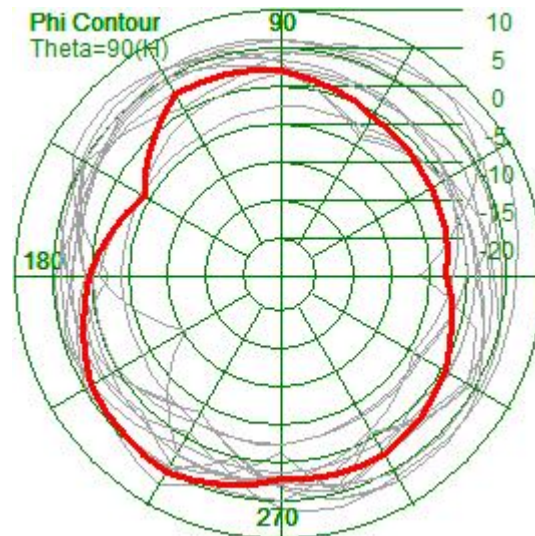
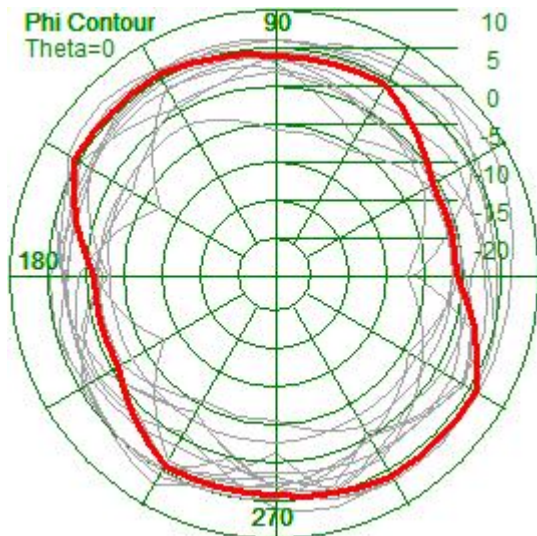
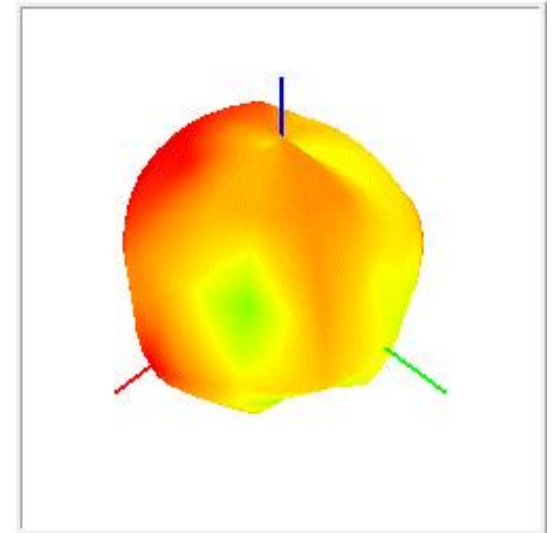
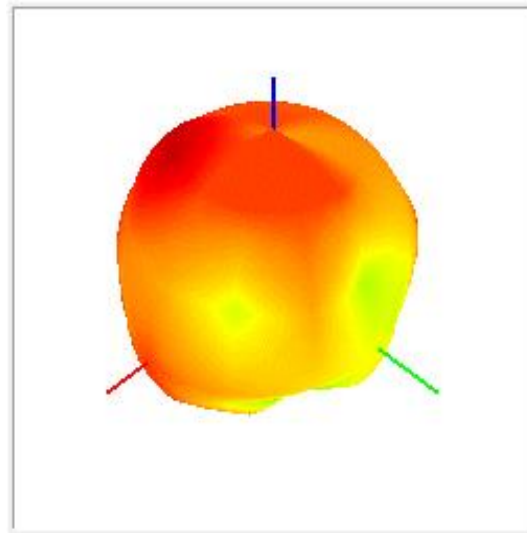
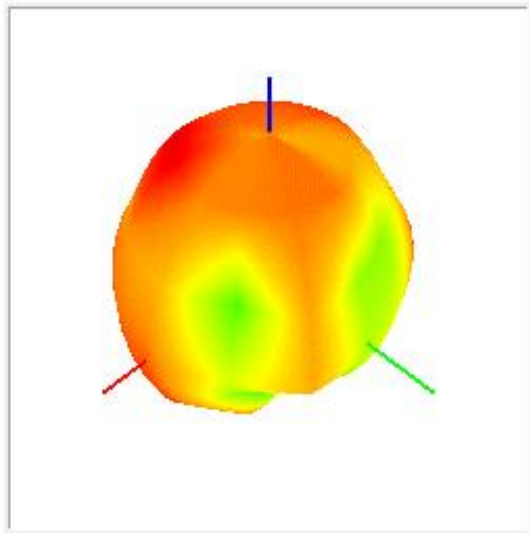
4.1 OTA Data

Test Equipment:	R&S CMW500		
Test Condition:	2 D chamber		
Band	Channel	TRP(dBm)	TIS(dBm)
BT	0	1.06	-82.79
	39	1.07	-84.50
	78	0.77	-84.14

4.2 Test Result

1 2D Pattern——**BTANT**

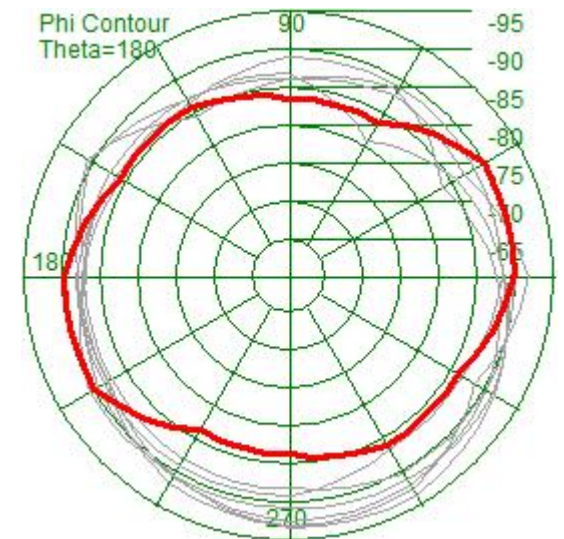
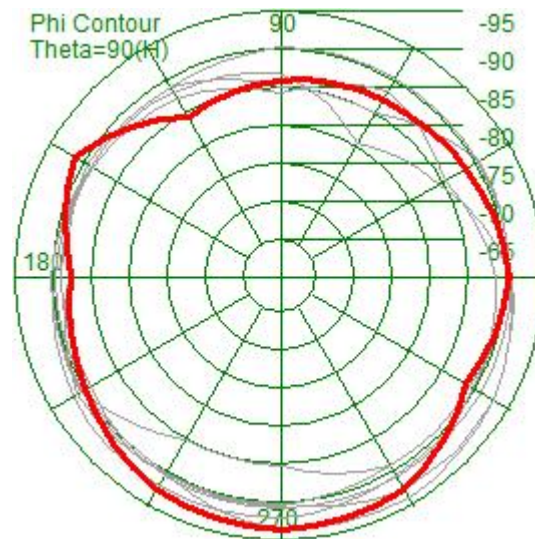
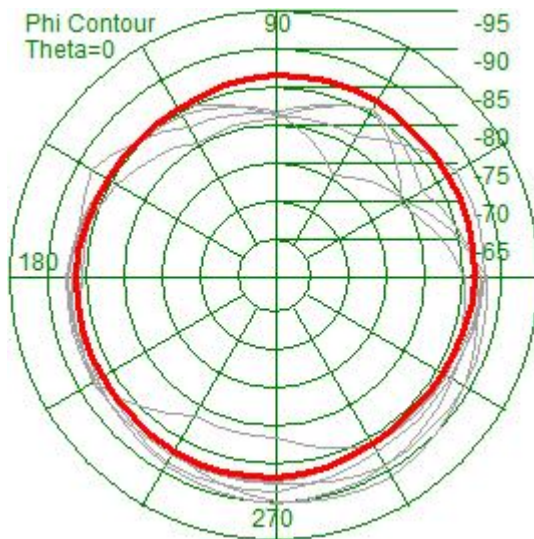
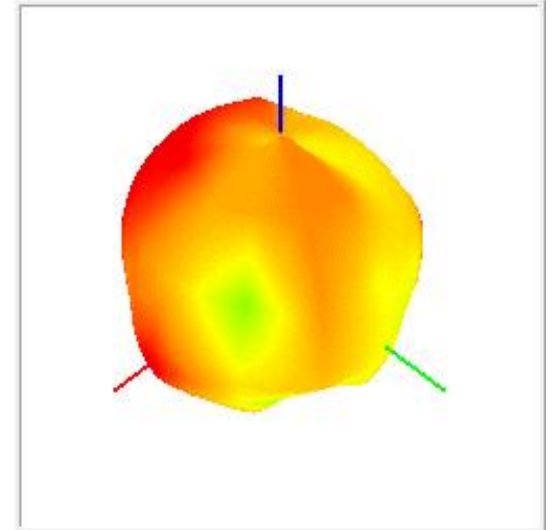
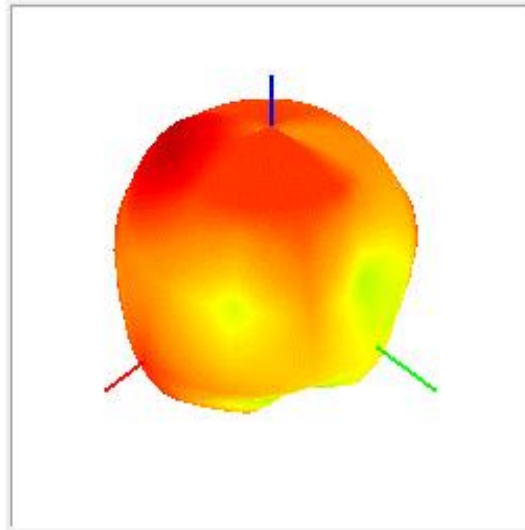
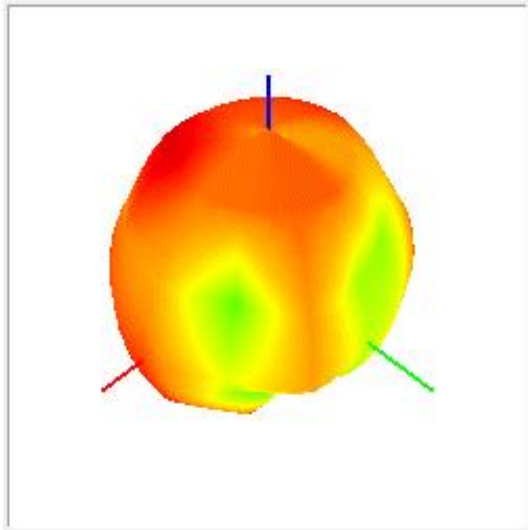
TRP



4.2 Test Result

2 2D Pattern——**BTANT**

TIS



Thank you!