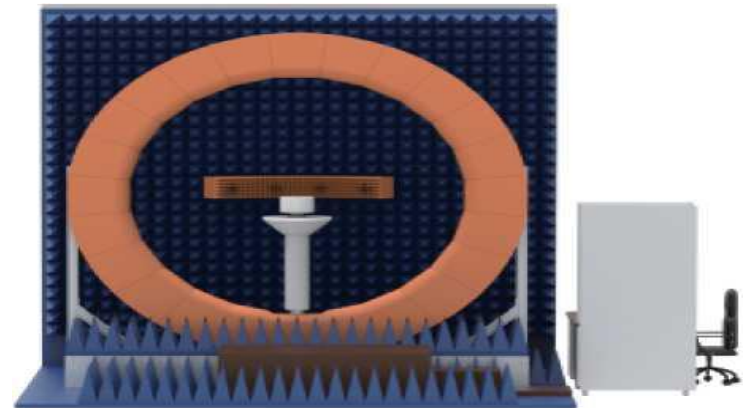
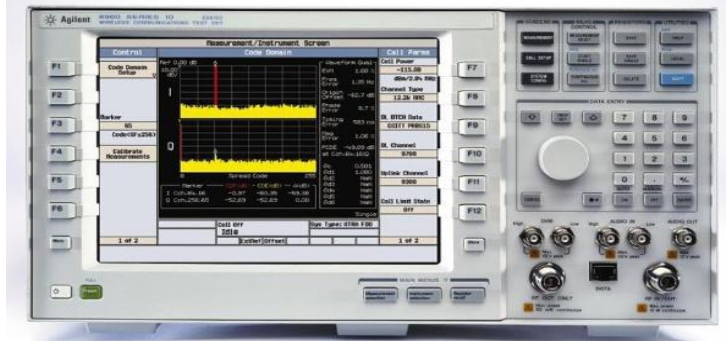


Antenna Test Report

Customer	星辰互动
Project	TB009
Antenna Revision	A0
Prepared by	18814303605
Checked by	
Date :	2025. 12. 23

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 **TB009** 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

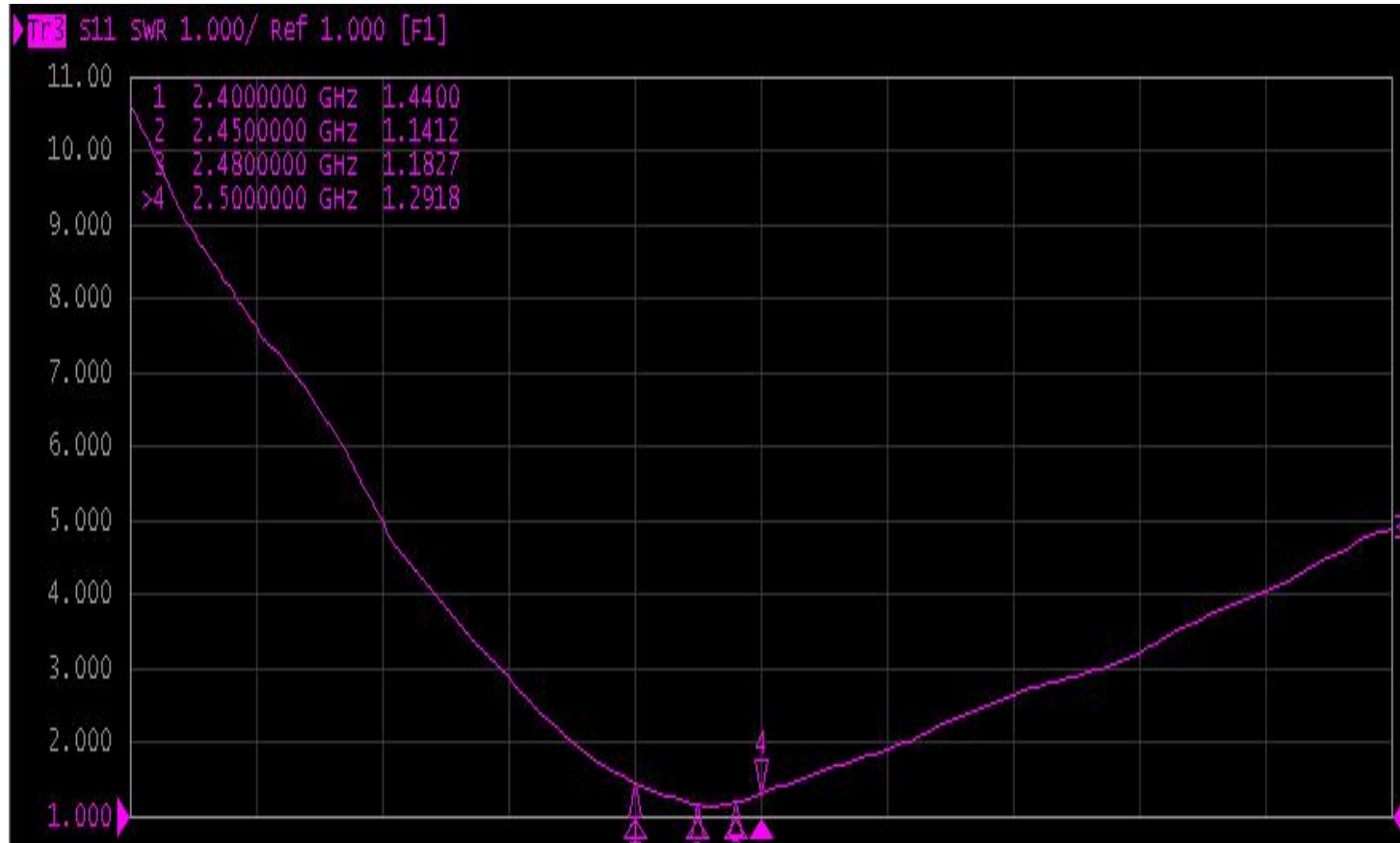
3.1 S11 Parameter

3.2 Gain & Efficiency

3.3 2D Pattern

3.1 Test Result

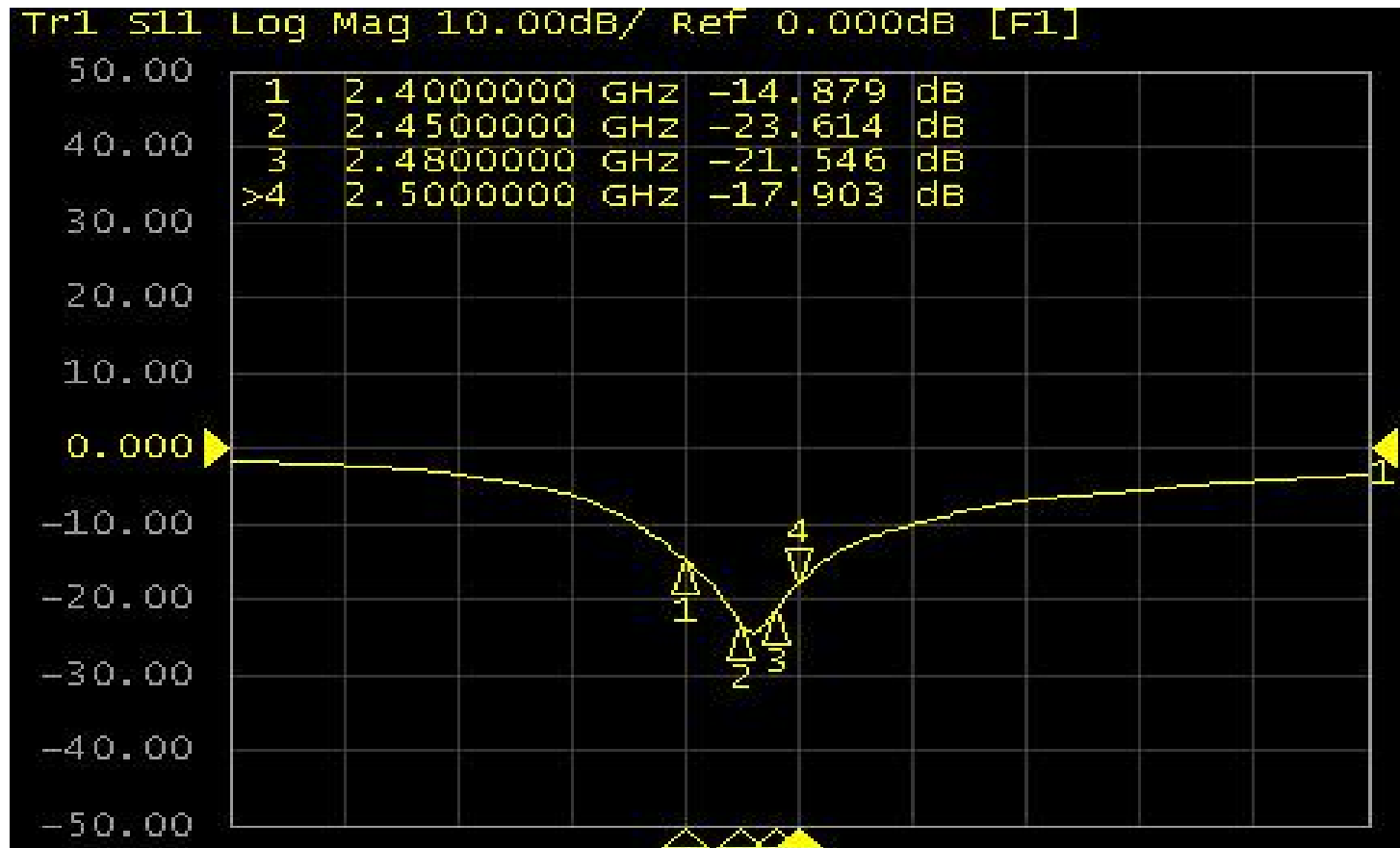
1 .S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500
VSWR	1.44	1.14	1.18	1.29

3.1 Test Result

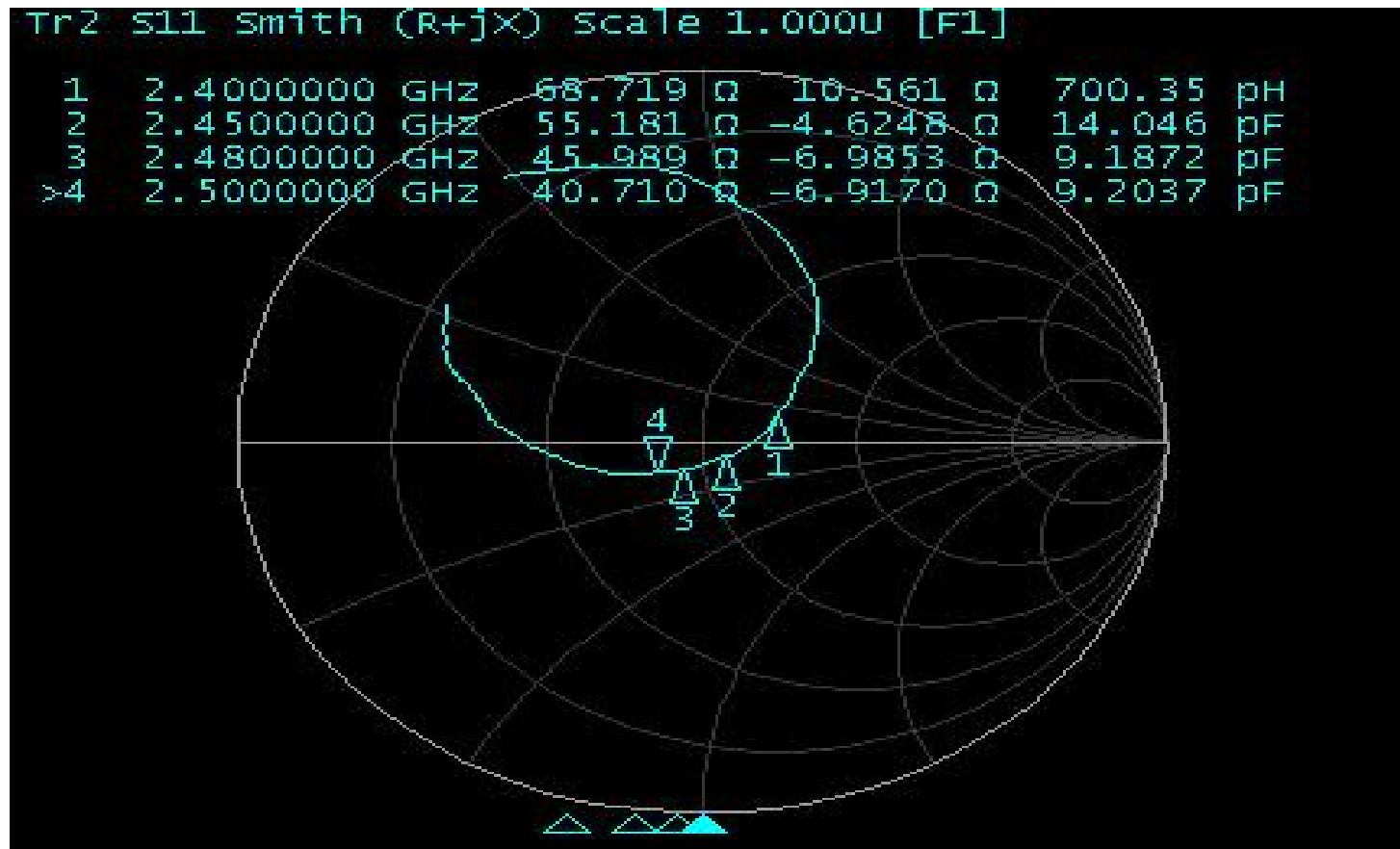
2. S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-14.87	-23.61	-21.54	-17.90

3.1 Test Result

3.S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smi th(Ω)	68.71	55.18	45.98	40.71

3.2 Test Result

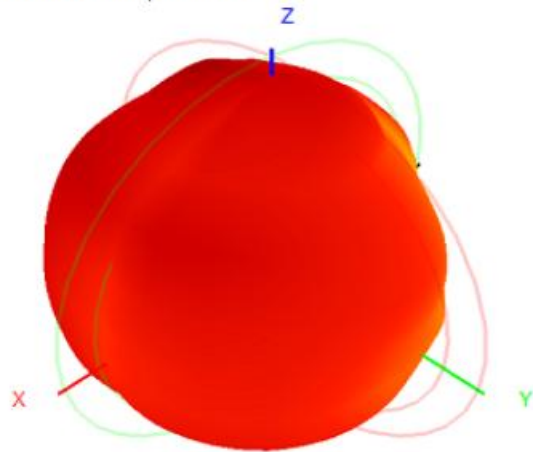
1 Gain & Efficiency—**ANT**

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	56.20%	2.33
2410	56.27%	2.44
2420	56.62%	2.54
2430	57.39%	2.60
2440	58.36%	2.64
2450	59.41%	2.78
2460	60.40%	2.89
2470	61.03%	3.00
2480	61.94%	3.17

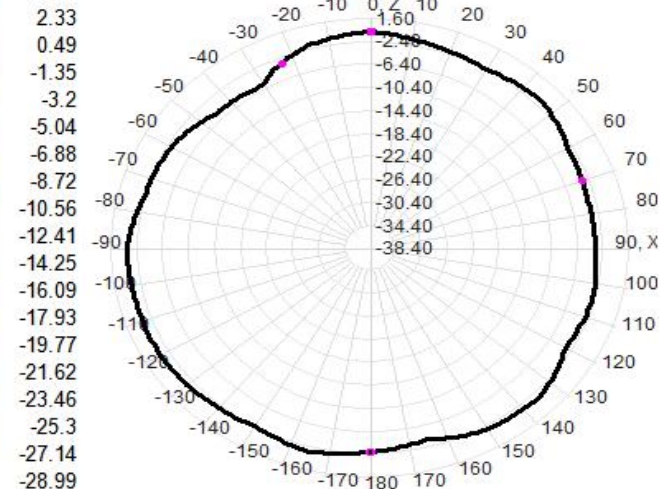
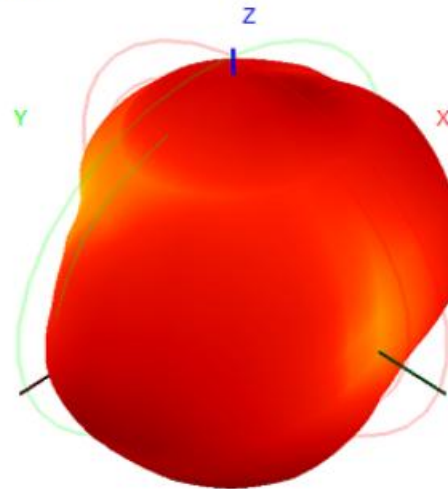
3.3 Test Result

1 2D Pattern——BTANT

2400.0MHz Total, Eff 56.2%



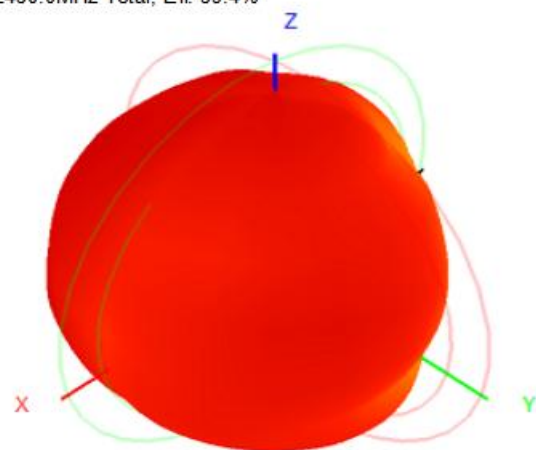
Back View



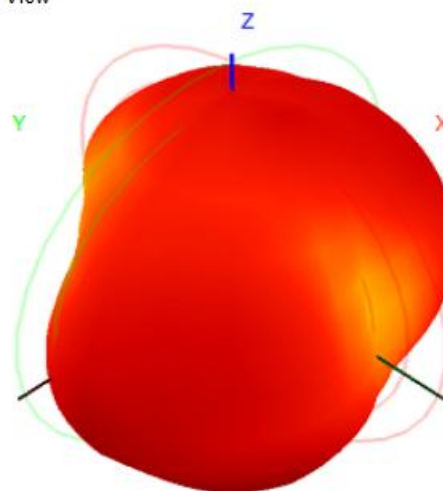
3.3 Test Result

2 2D Pattern—BTANT

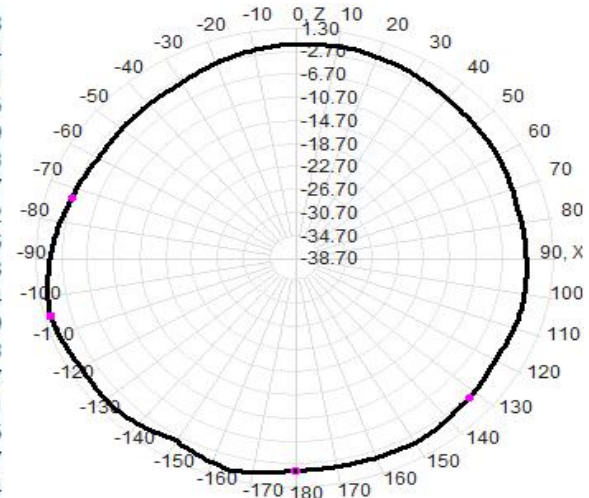
2450.0MHz Total, Eff. 59.4%



Back View



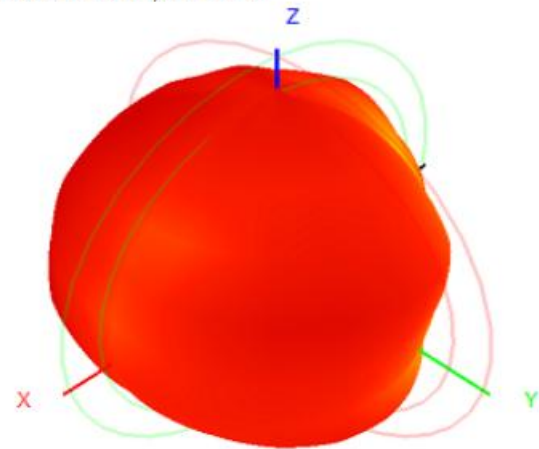
2.78
0.94
-0.91
-2.75
-4.59
-6.43
-8.27
-10.12
-11.96
-13.8
-15.64
-17.49
-19.33
-21.17
-23.01
-24.85
-26.7
-28.54



3.3 Test Result

3 2D Pattern—BTANT

2480.0MHz Total, Eff. 61.9%



Back View

