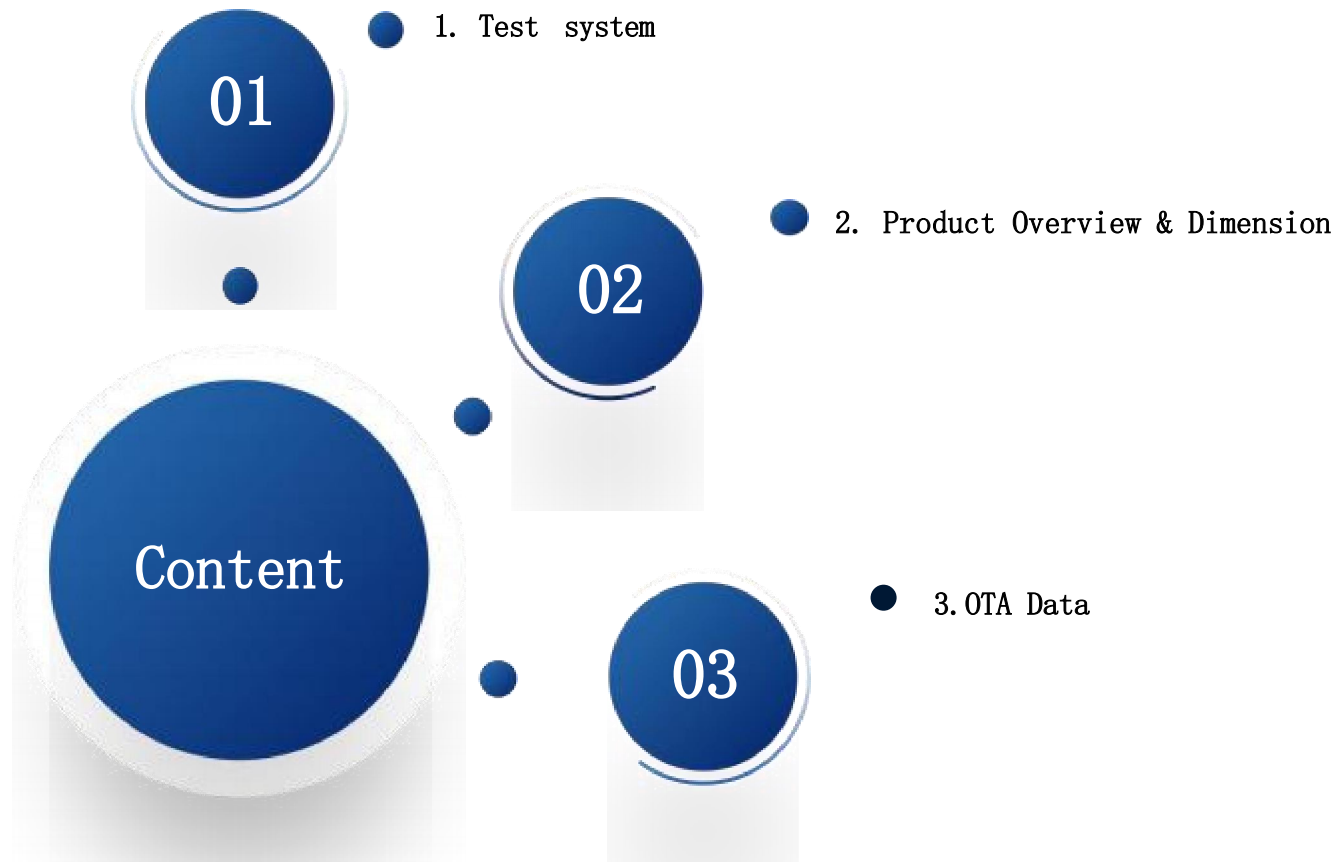




Customer	Shenzhen Lighkeep Co.,Ltd.
Project	A700SD
Antenna Revision	A0
Prepared by	18814303605
Checked by	
Date	2025. 06. 10

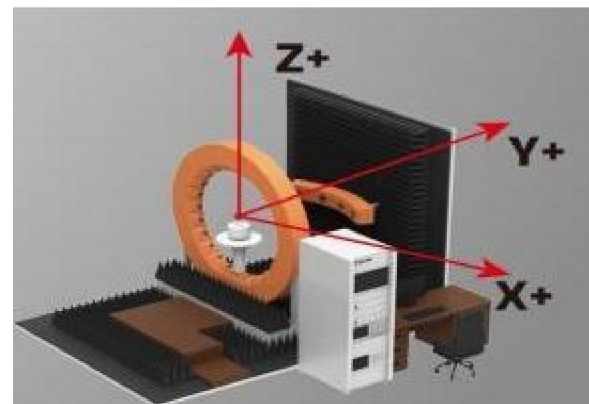
Purpose

This report is to measure the performance of antenna for **A700SD** The antenna operating frequency at 2400-2500MHz All test data are showed as below.

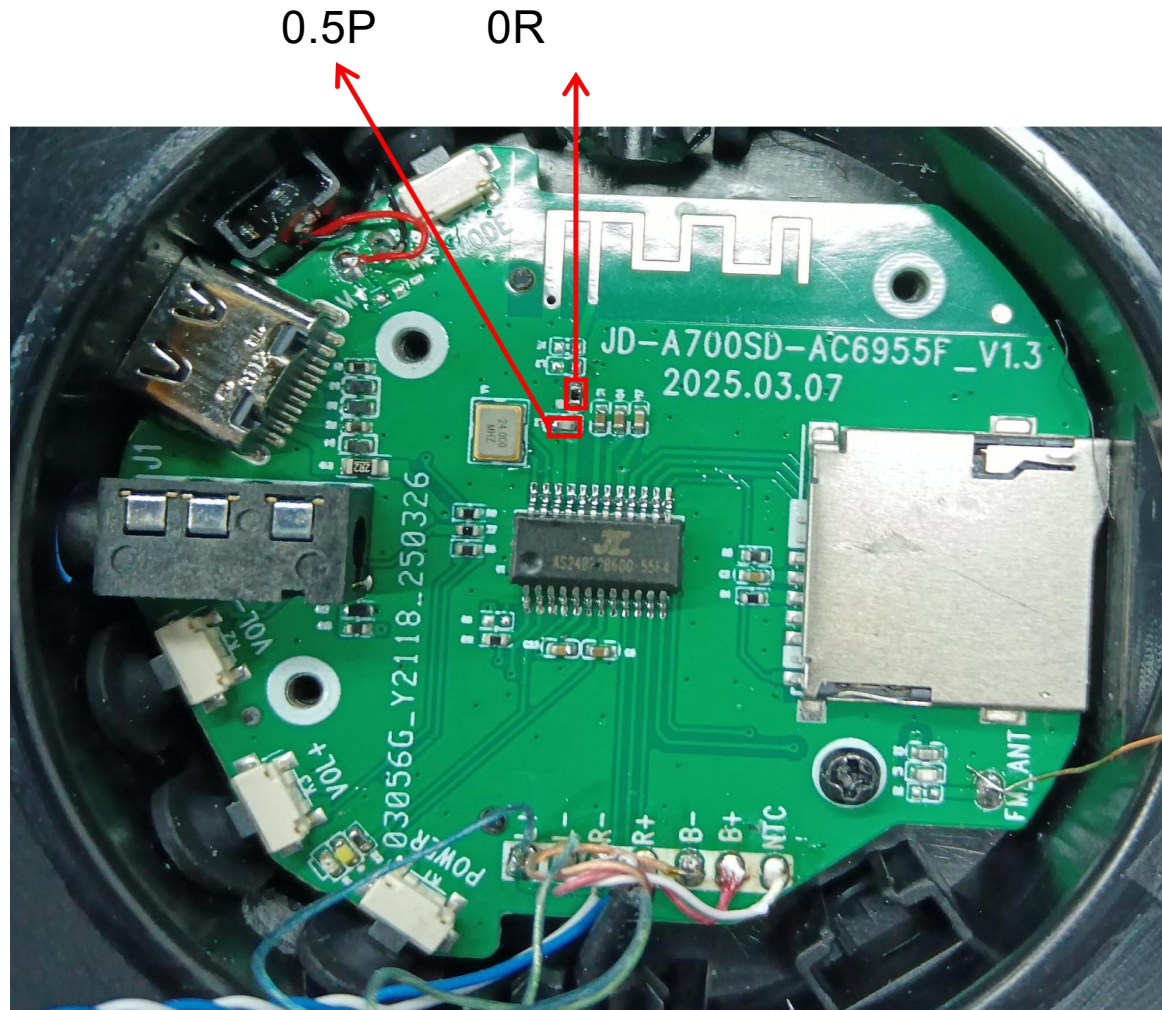


1.TestSystem

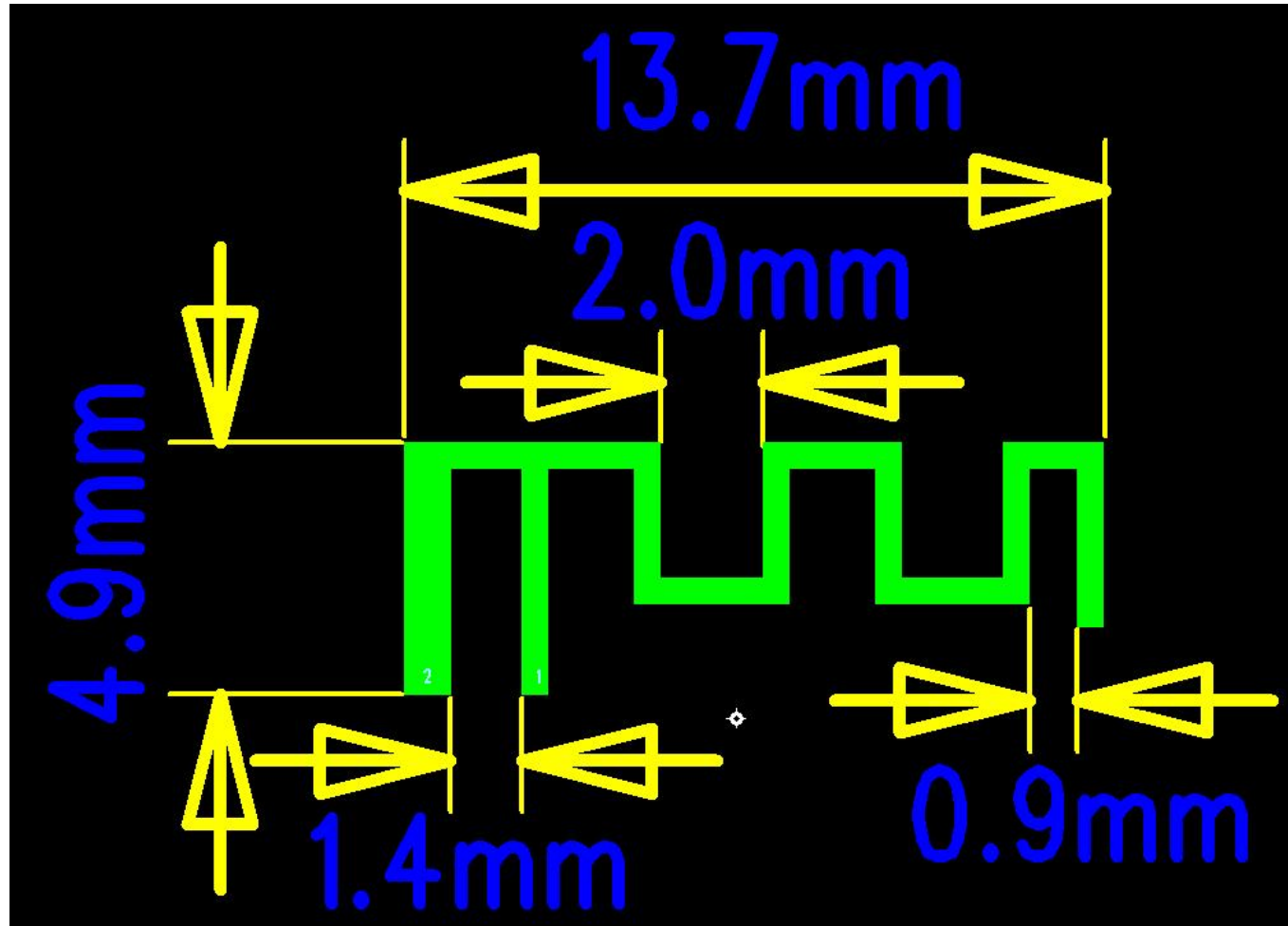
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP& TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C





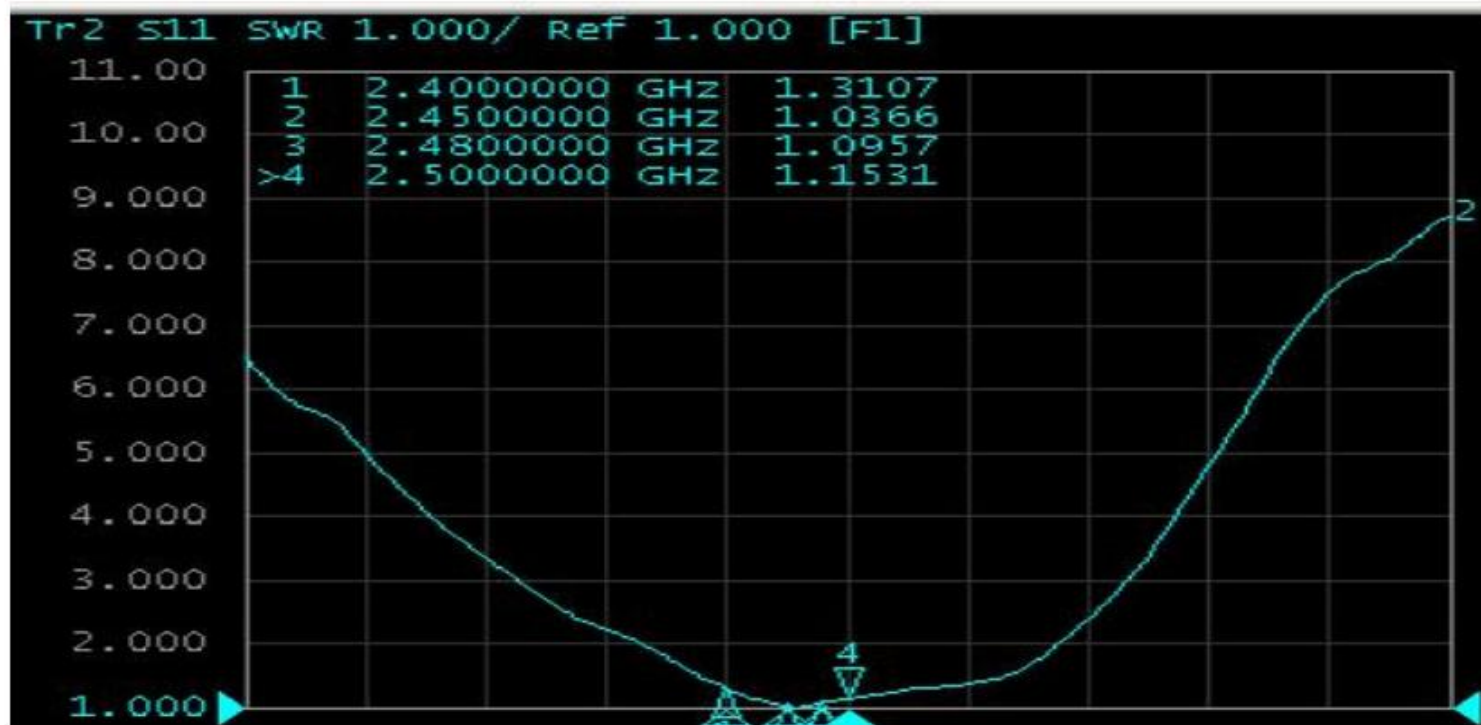


Antenna size



3.1 Test Result

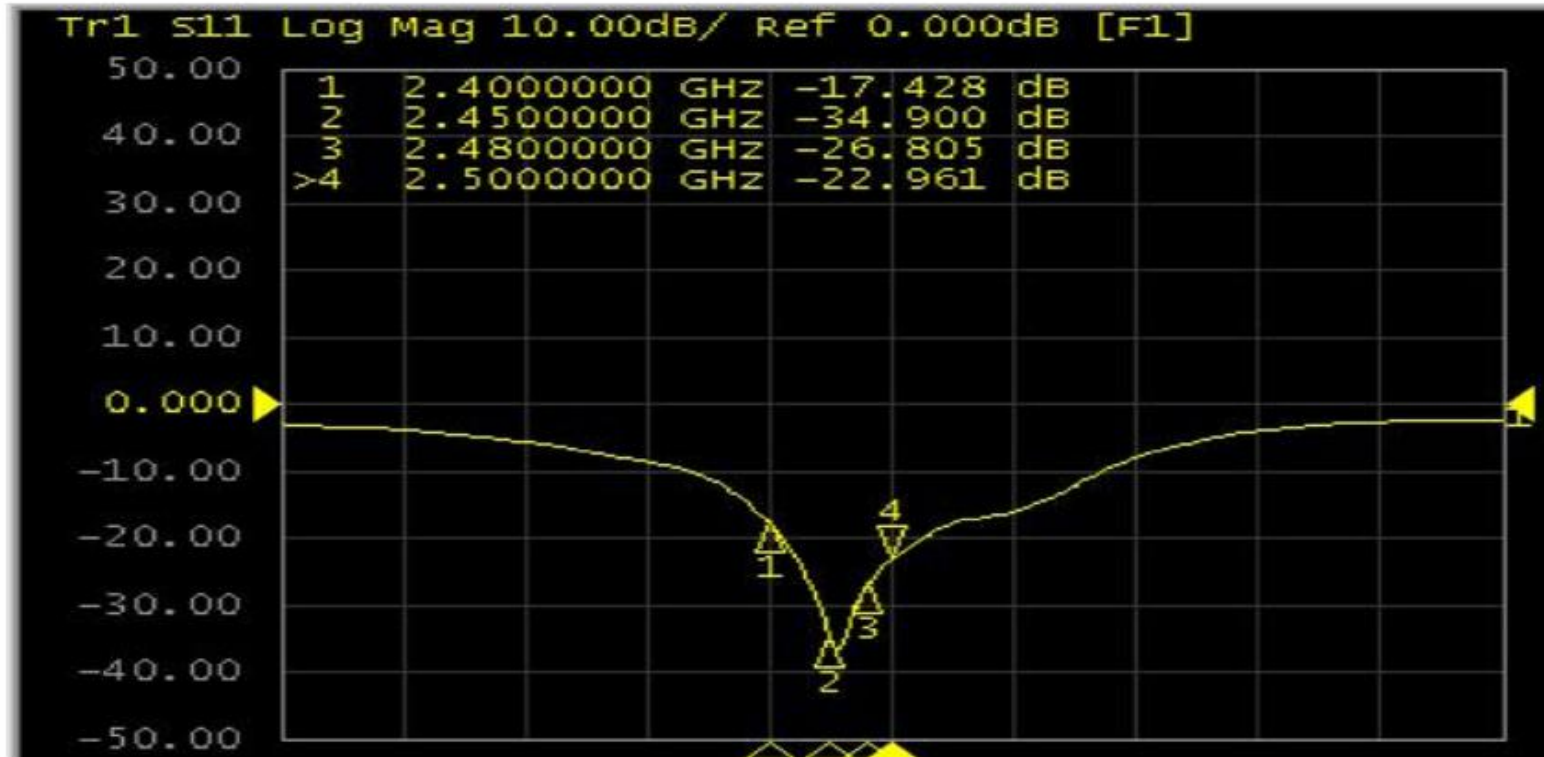
1.S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500
VSWR	1.31	1.03	1.09	1.15

3.1 Test Result

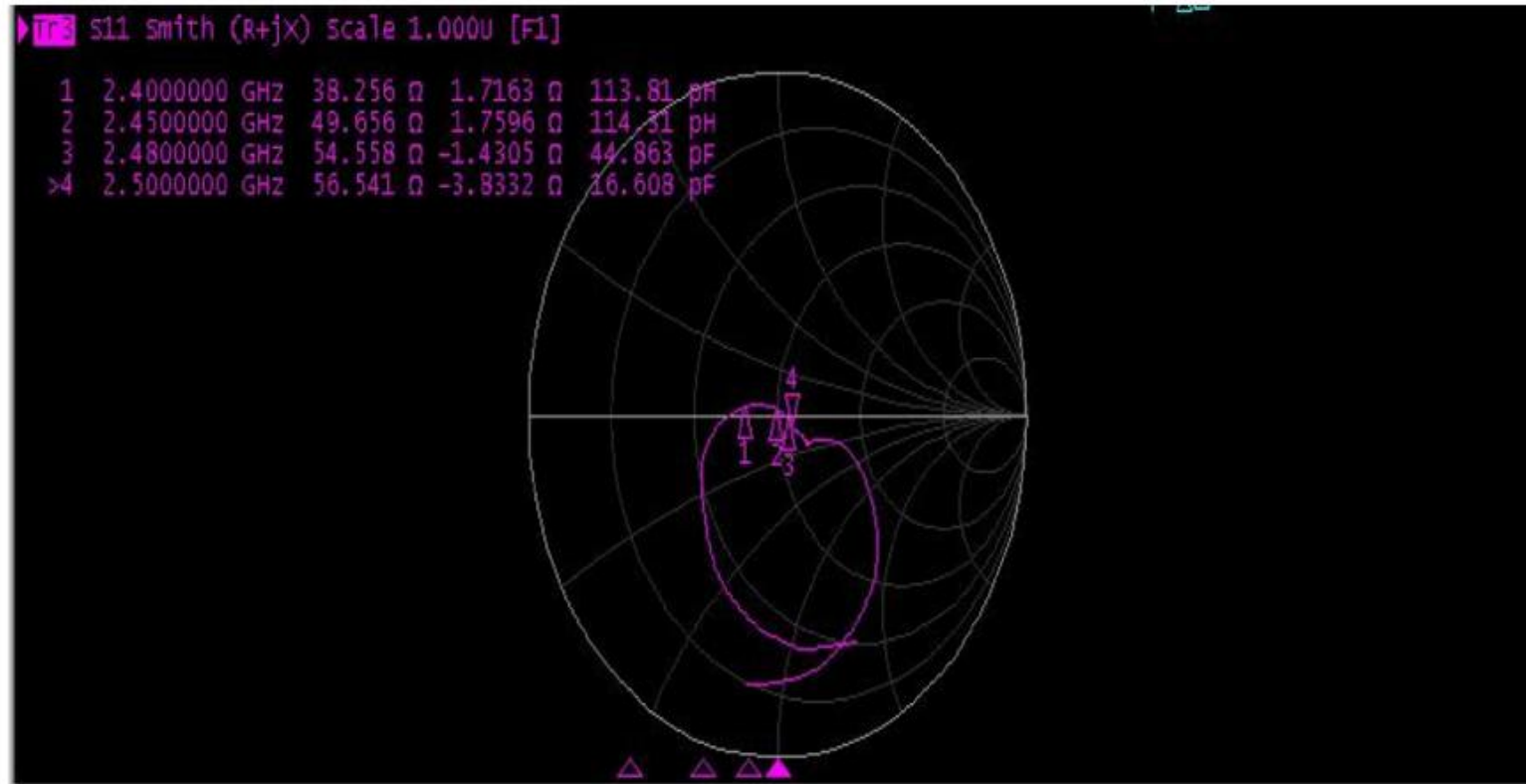
2. S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-17.42	-34.90	-26.80	-22.96

3.1 Test Result

3.S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smi th(Ω)	38.25	49.65	54.55	56.54

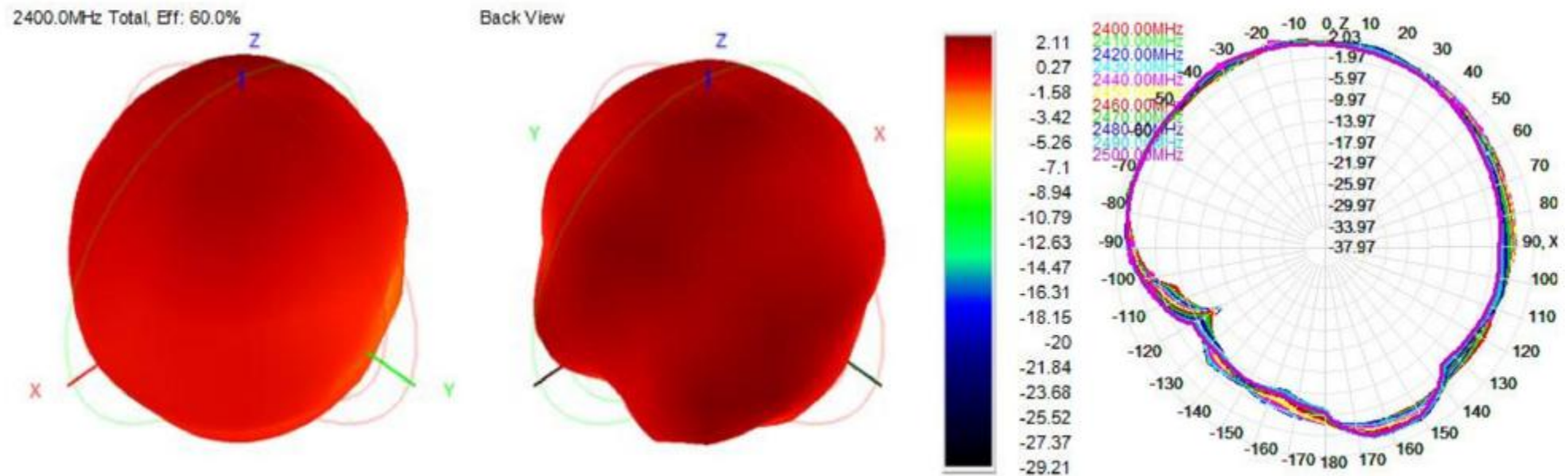
3.2 Test Result

1 Gain & Efficiency——ANT

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	60.01	2.11
2410	60.63	2.34
2420	61.14	2.46
2430	62.47	2.37
2440	64.20	2.24
2450	65.75	2.39
2460	67.24	2.50
2470	68.43	2.64
2480	69.03	2.60

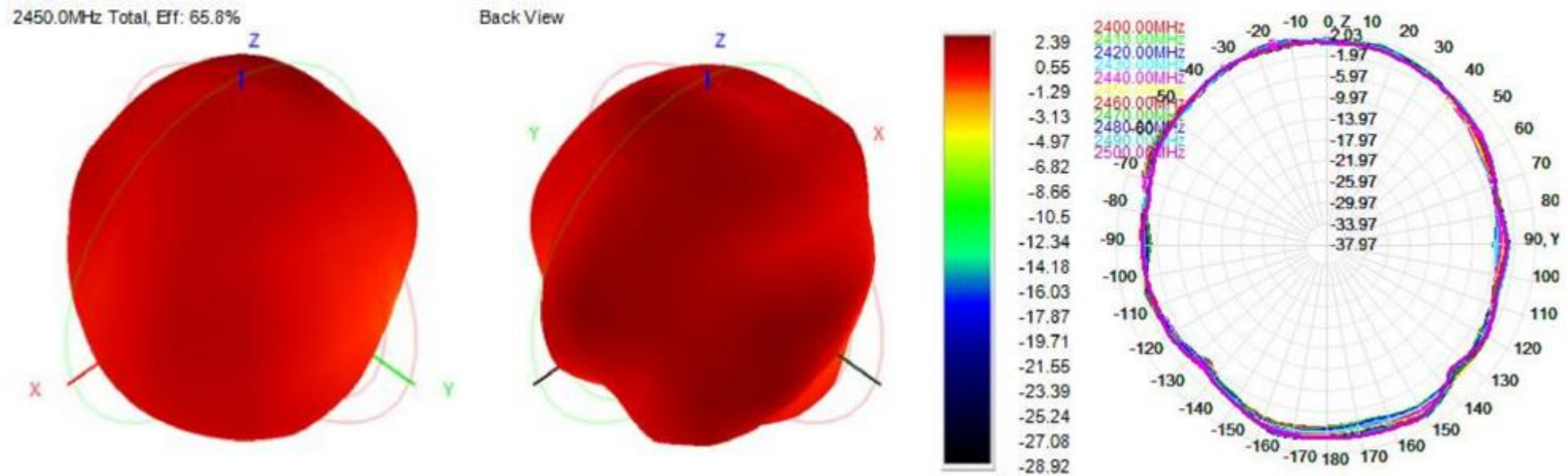
3.3 Test Result

1 2D Pattern——BTANT



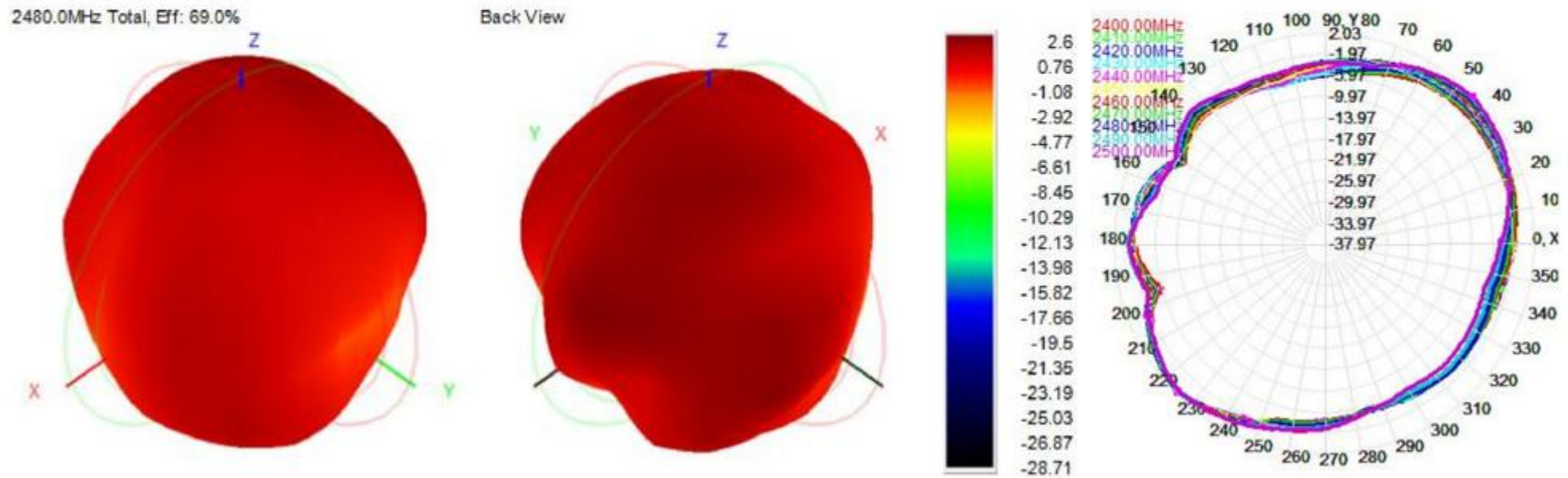
3.3 Test Result

2 2D Pattern——BTANT



3.3 Test Result

3 2D Pattern——BTANT

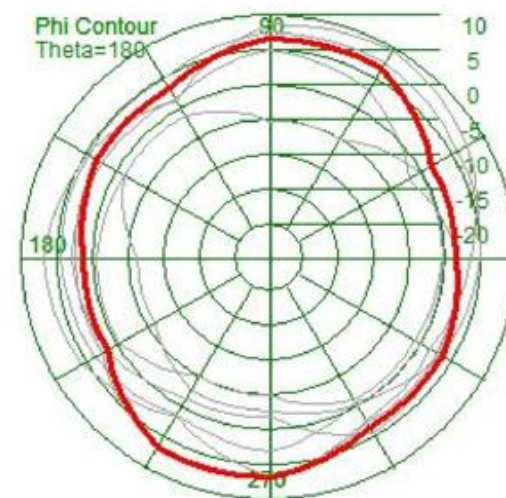
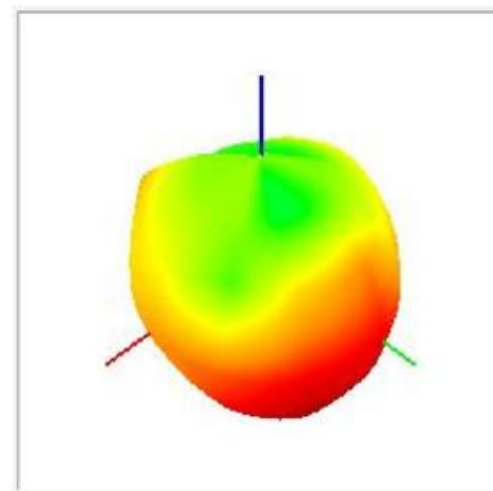
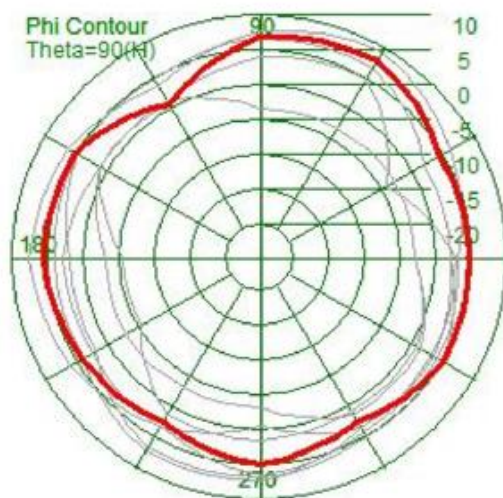
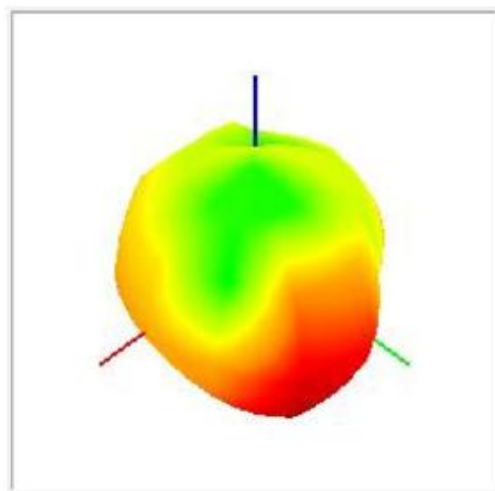
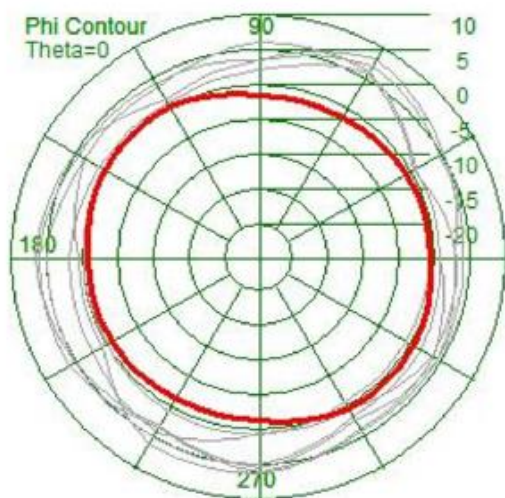
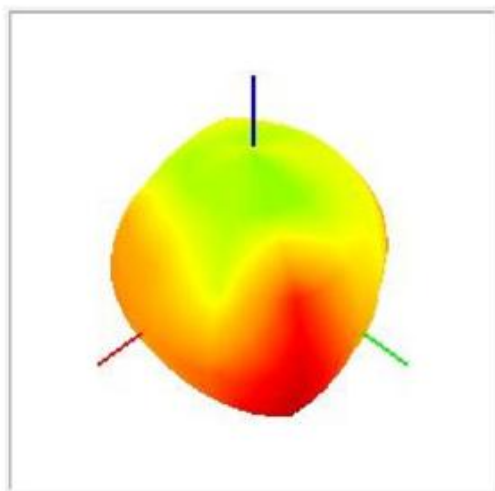


4.1 OTA Data

Test Equipment:	R&S CMW500		
Test Condition:	2 D chamber		
Band	Channel	TRP(dBm)	TIS(dBm)
BT	0	3.60	-88.49
	39	4.14	-89.20
	78	3.80	-86.06

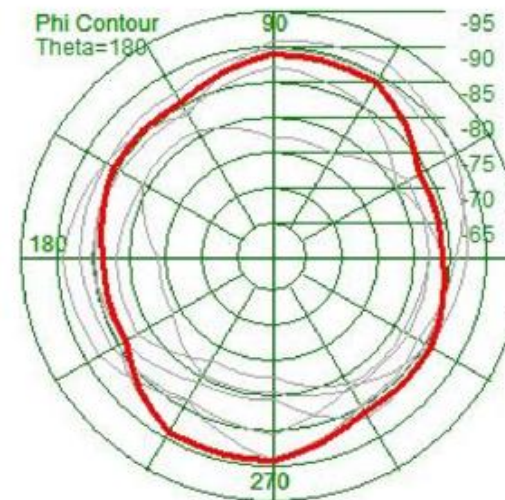
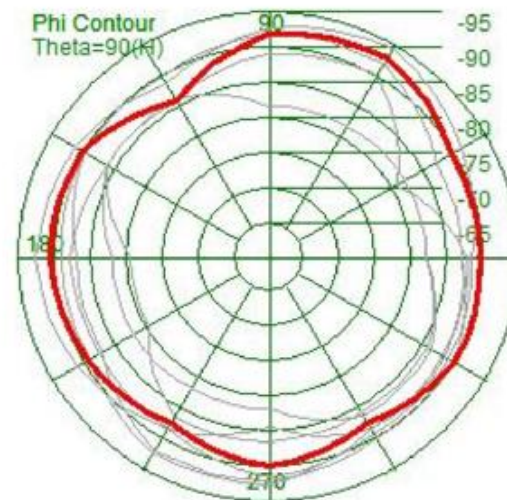
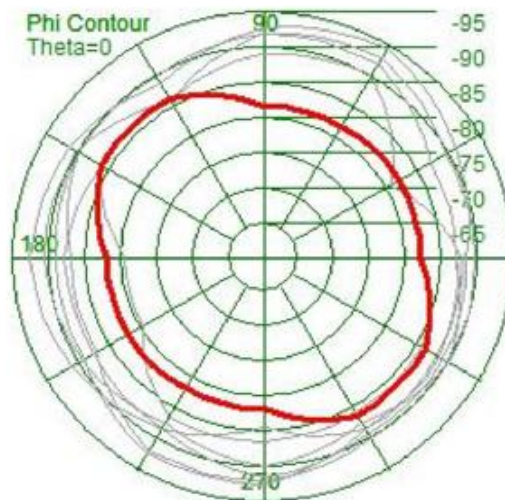
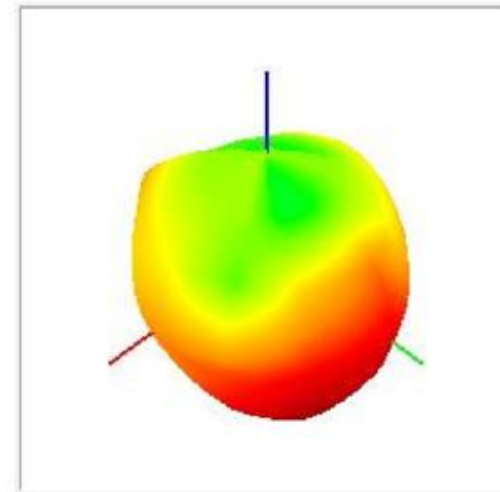
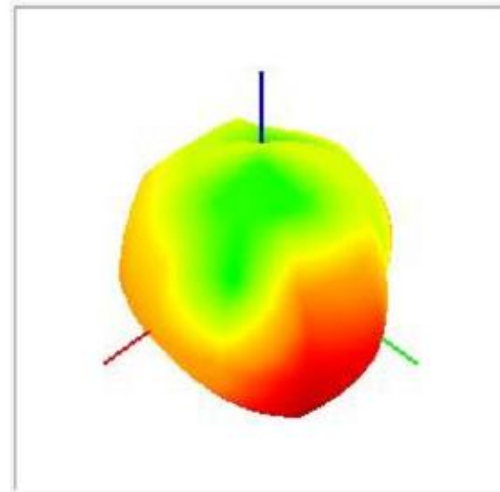
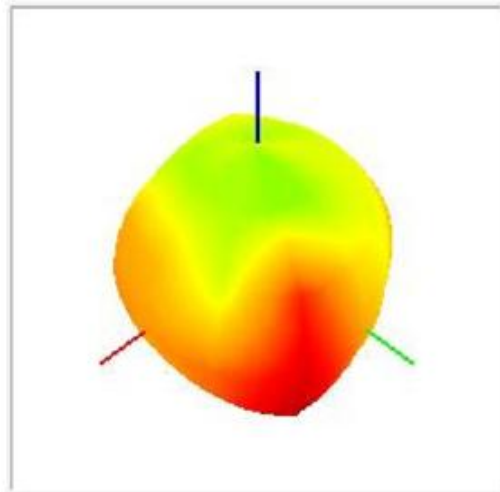
1 2D Pattern **BTANT**

TRP



2 2D Pattern **BTANT**

TIS



WORK REPORT

谢谢观看