

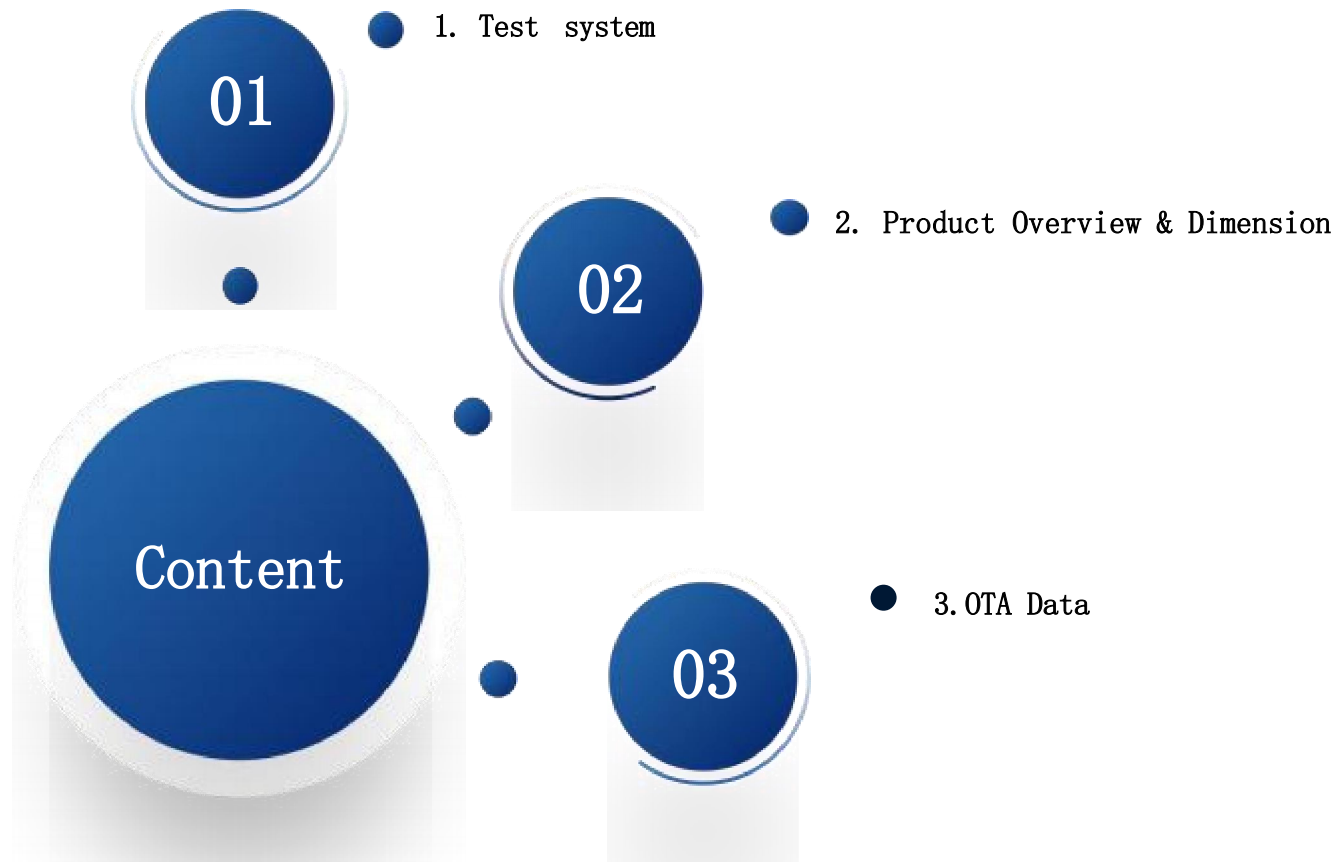


深圳合翊讯科技有限公司
Shenzhen Heyixun Technology Co., Ltd.

Customer	Shenzhen Lighkeep Co., Ltd.
Project	JD-H7-8931H
Antenna Revision	A0
Prepared by	18814303605
Checked by	
Date	2026.05.20

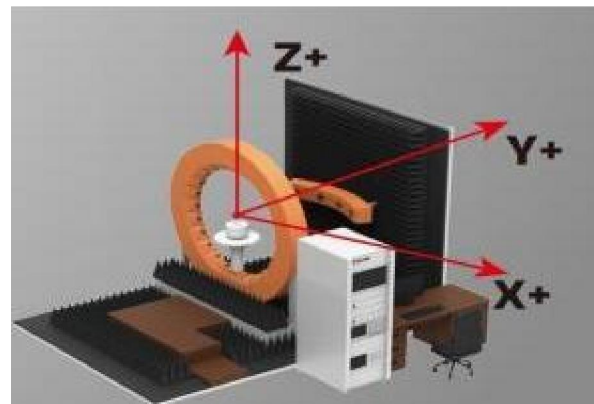
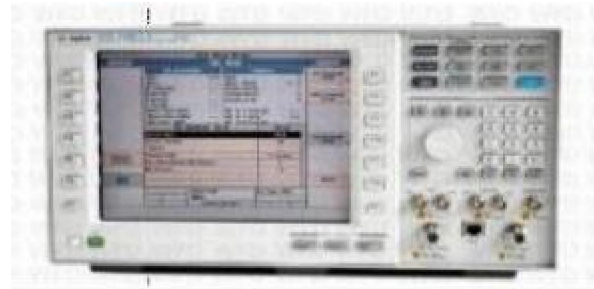
Purpose

This report is to measure the performance of antenna for **JD-H7-8931H** The antenna operating frequency at 2400-2500MHz All test data are showed as below.

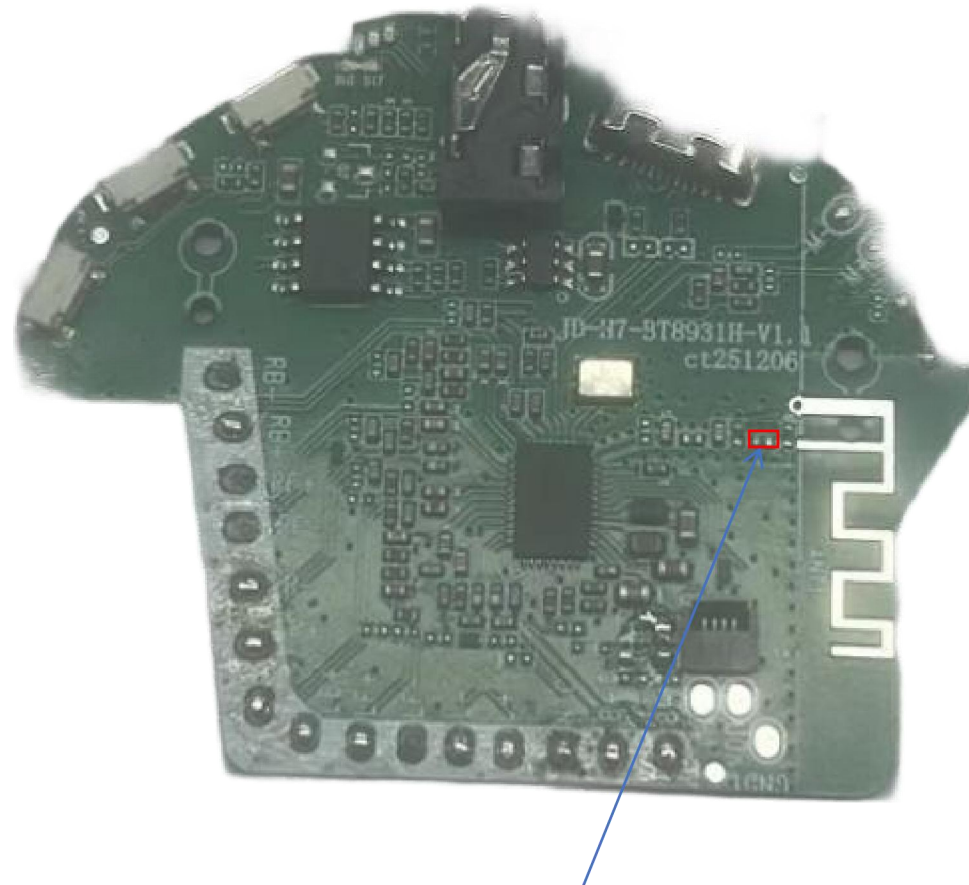


1. Test System

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

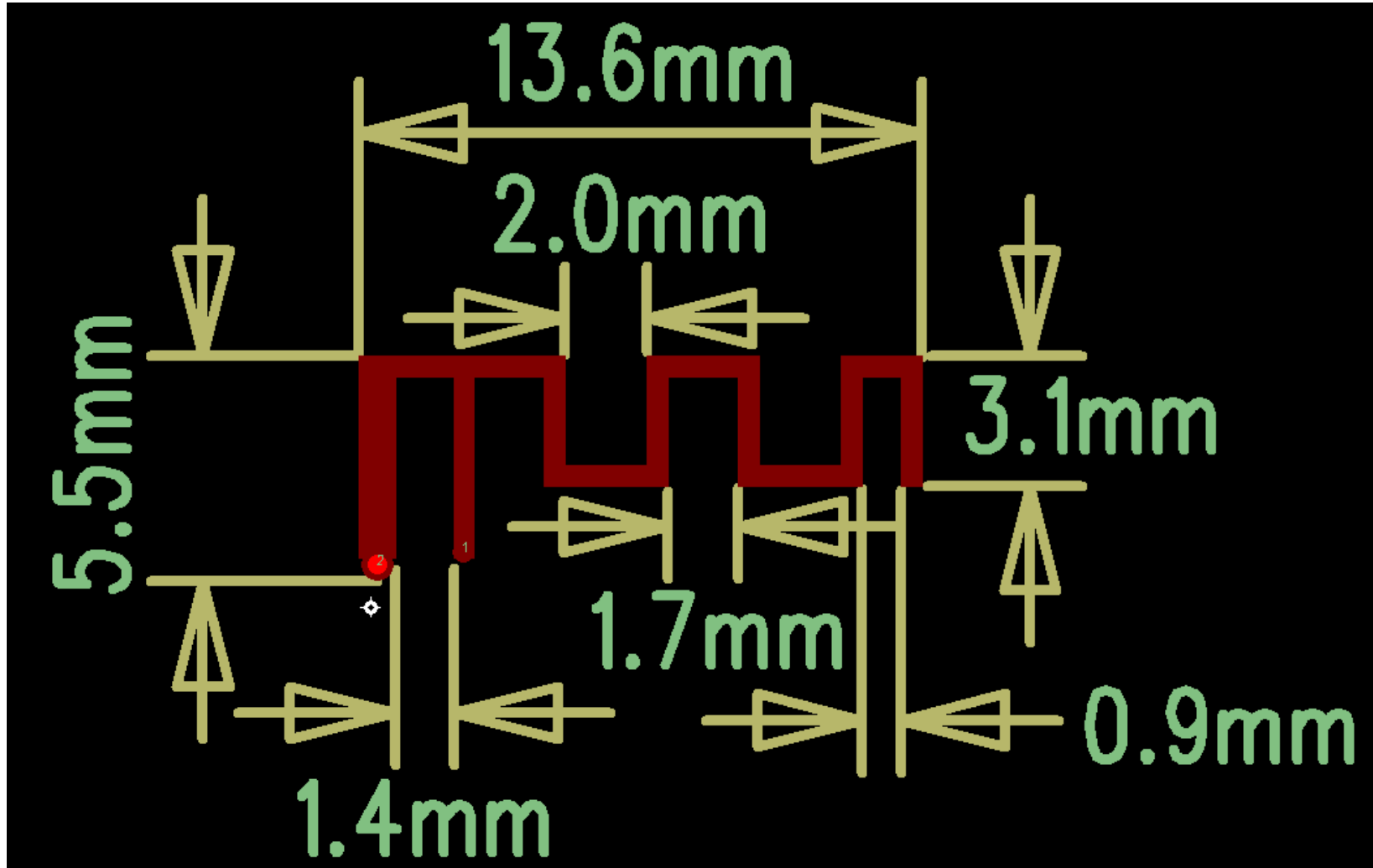






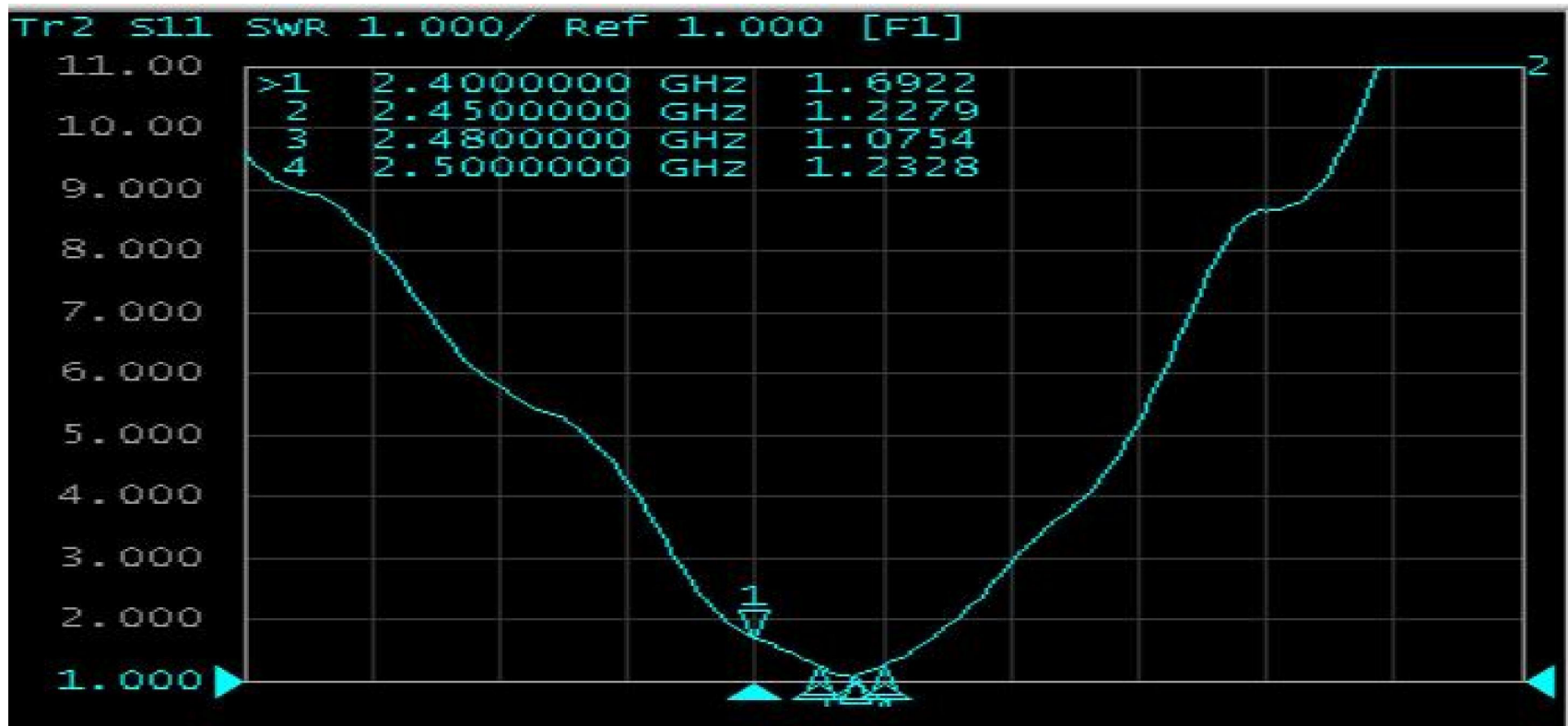
1.5NH

Antenna size



3. 1Test Result

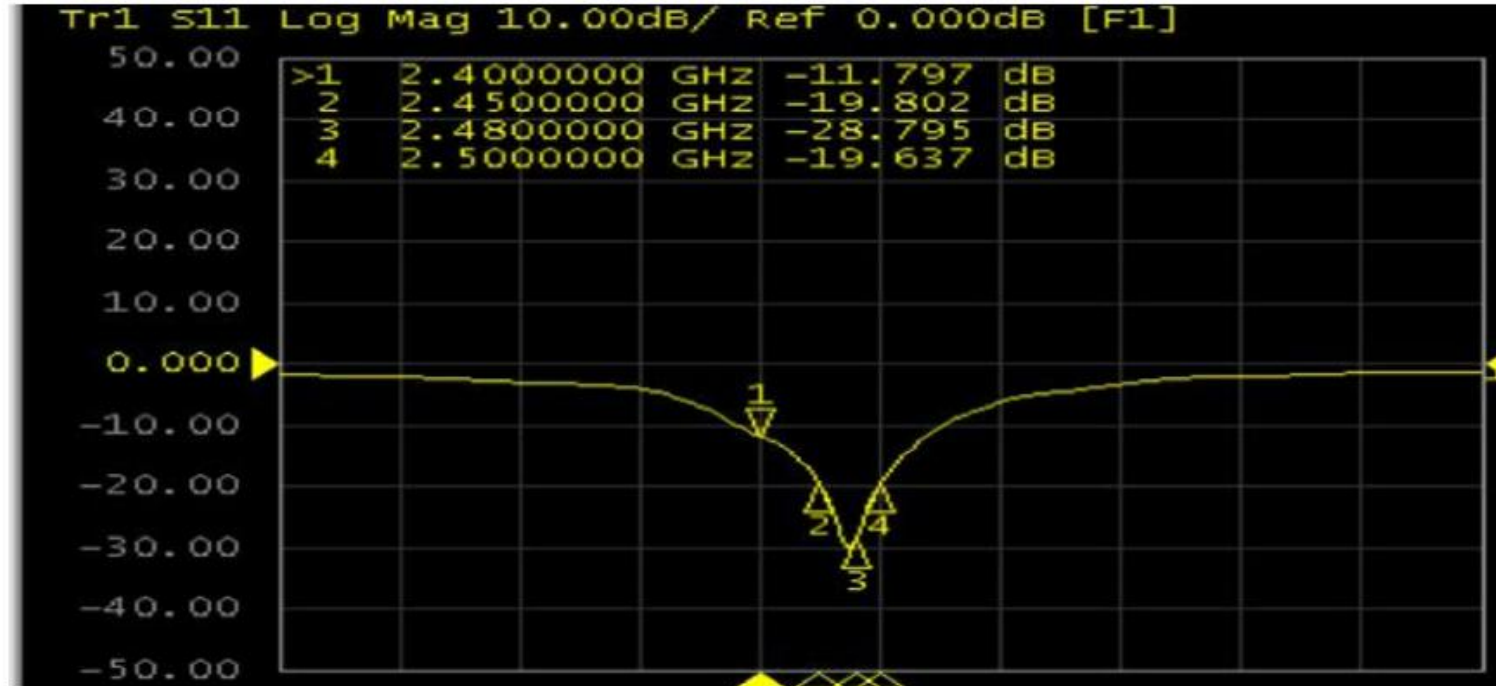
1 .S11 Parameter-VSWR



Frequency (MHz)	2400	2440	2480	2500
VSWR	1.69	1.22	1.07	1.23

3. 1Test Result

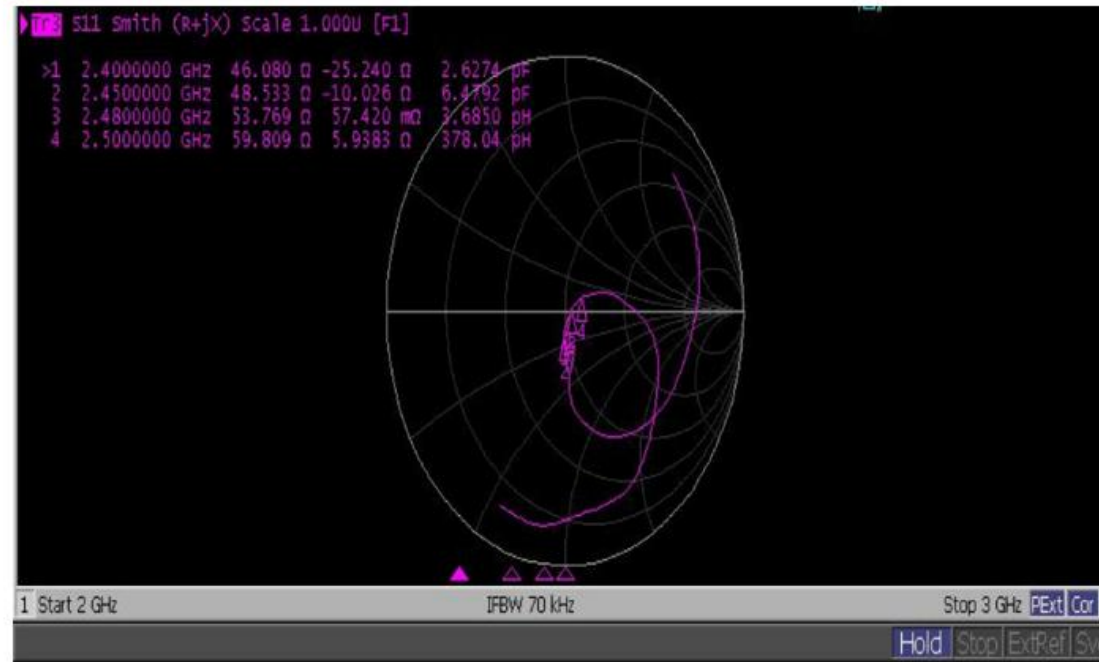
2. S11 Parameter-Log Mag



Frequency (MHz)	2400	2440	2480	2500
Log Mag	-11.79	-19.80	-28.79	-19.63

3. 1Test Result

3.S11 Parameter-Smith



Frequency (MHz)	2400	2440	2480	2500
Smi th(Ω)	46.08	48.53	53.76	59.80

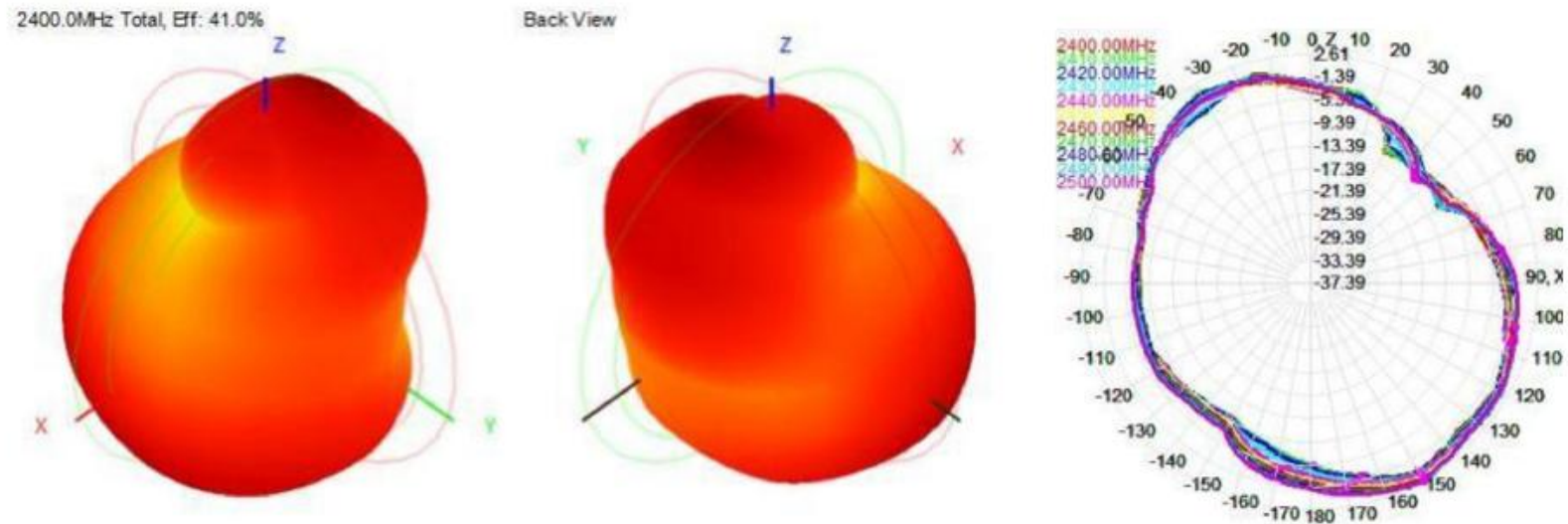
3.2 Test Result

1 Gain & Efficiency——ANT

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	41.02 %	1.08
2410	41.78 %	1.25
2420	42.60 %	1.44
2430	44.01 %	1.63
2440	46.49 %	1.91
2450	49.81 %	2.30
2460	53.34 %	2.71
2470	56.04 %	2.99
2480	57.29 %	3.09

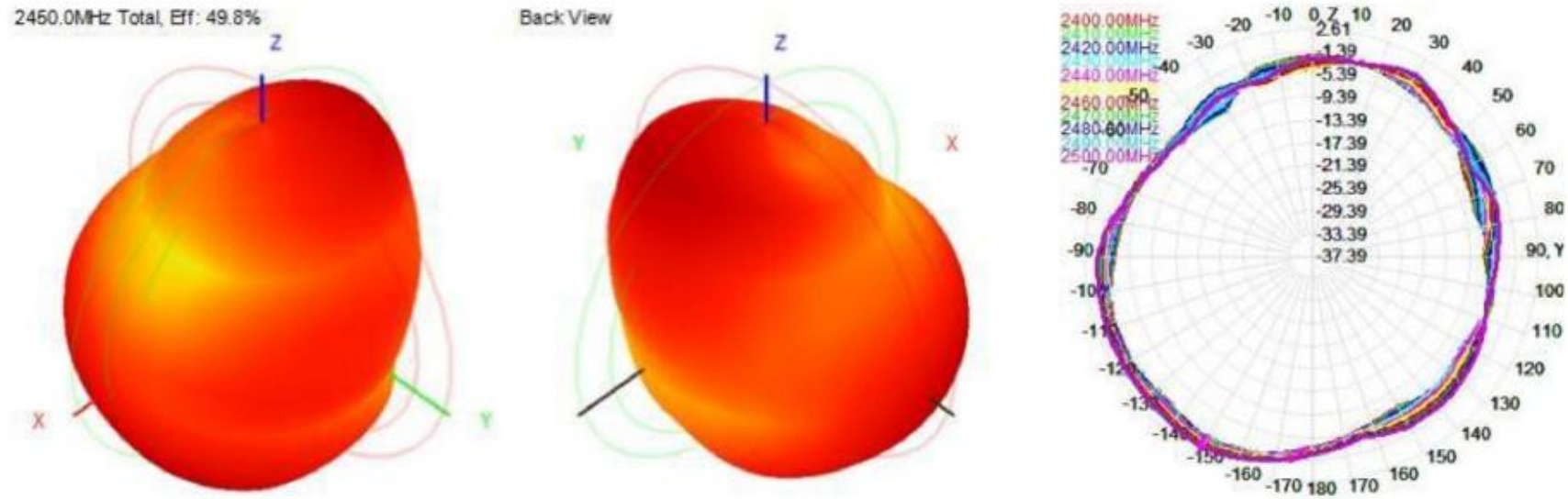
3.3 Test Result

1 2D Pattern——BTANT



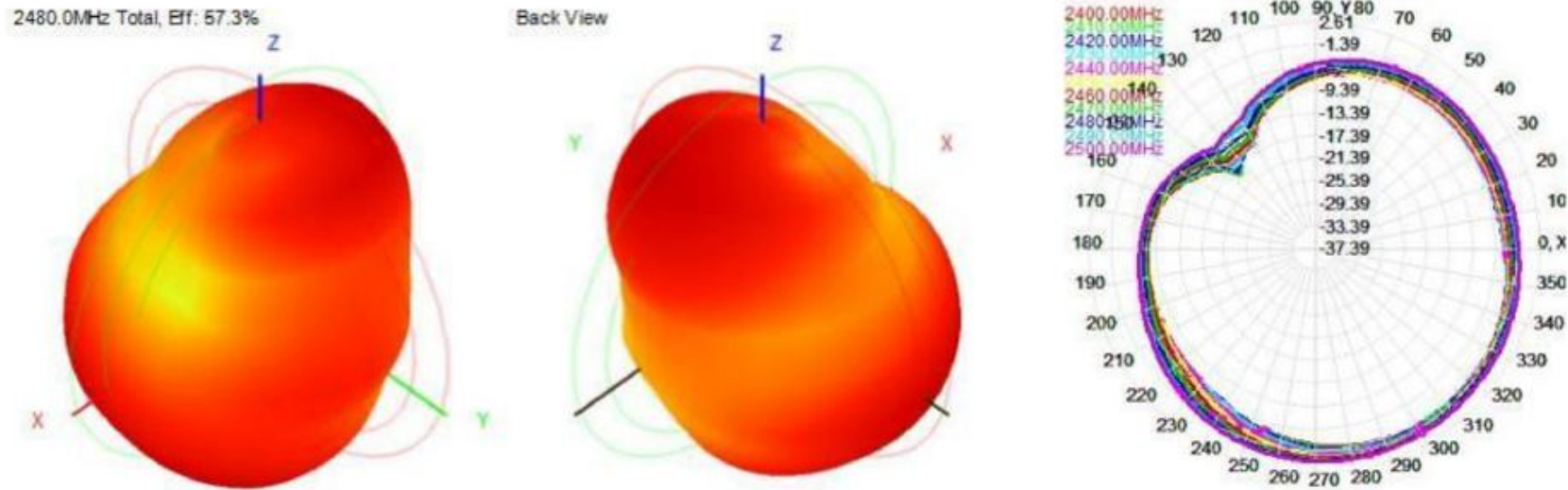
3.3 Test Result

2 2D Pattern—BTANT



3.3 Test Result

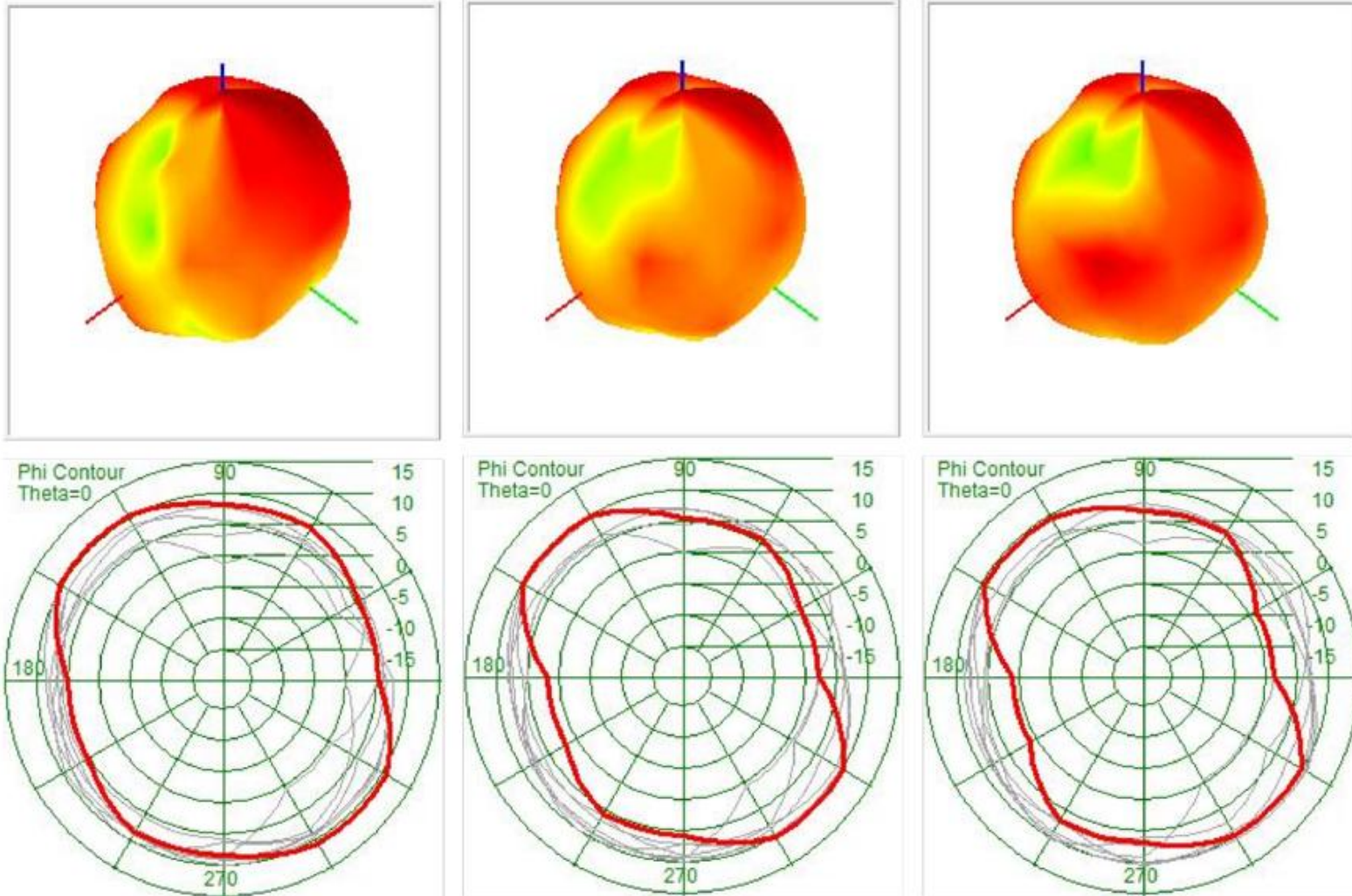
3 2D Pattern—BTANT



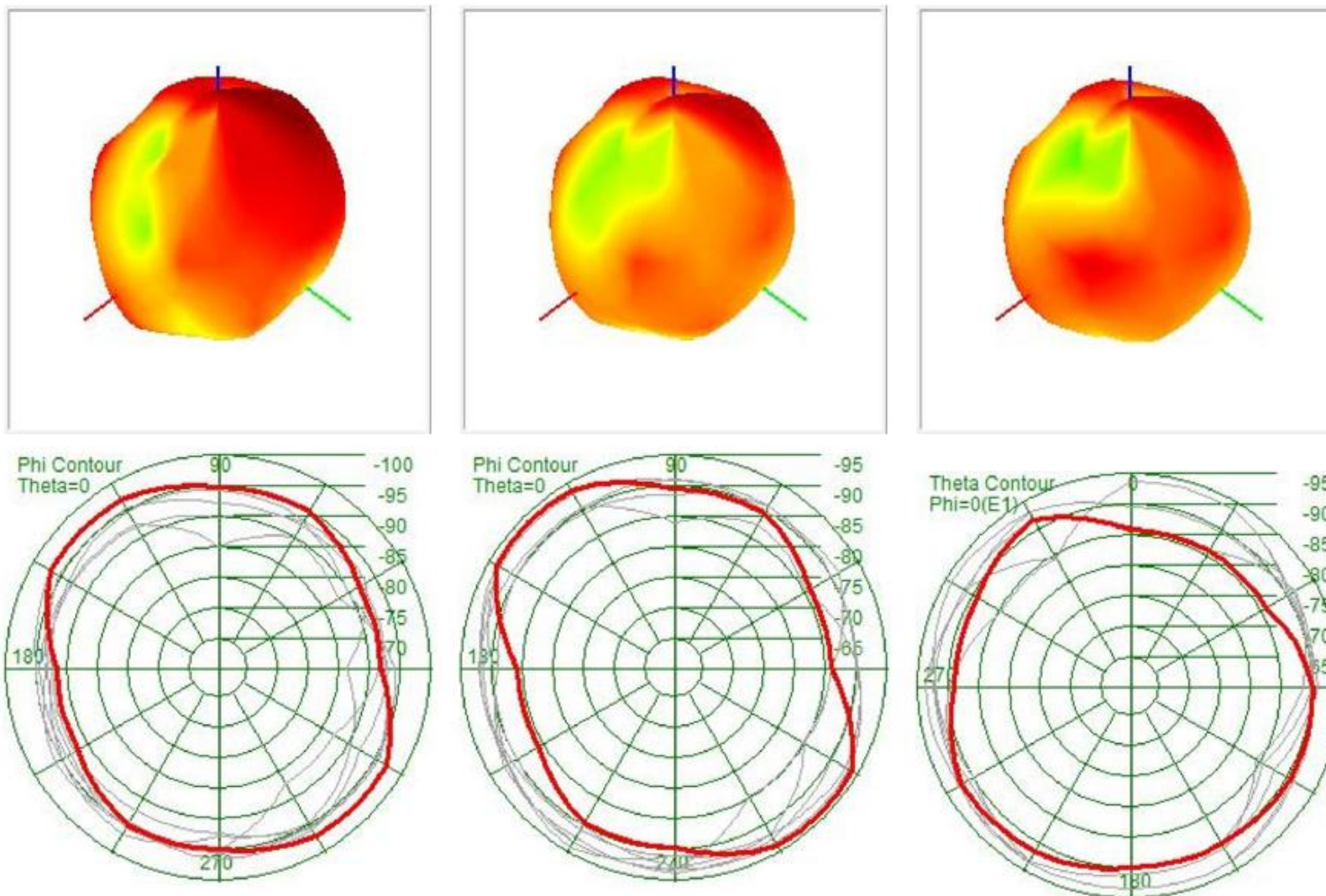
4. OTA Data

Test Equipment:	R&S CMW500		
Test Condition:	3D chamber		
Band	Channel	TRP(dBm)	TIS(dBm)
BT	0	7.03	-92.58
	39	6.86	-91.81
	78	7.39	-92.08

4.1 2D Pattern **BTANT** TRP



4.1 2D Pattern——BTANT TIS



WORK REPORT

谢谢观看