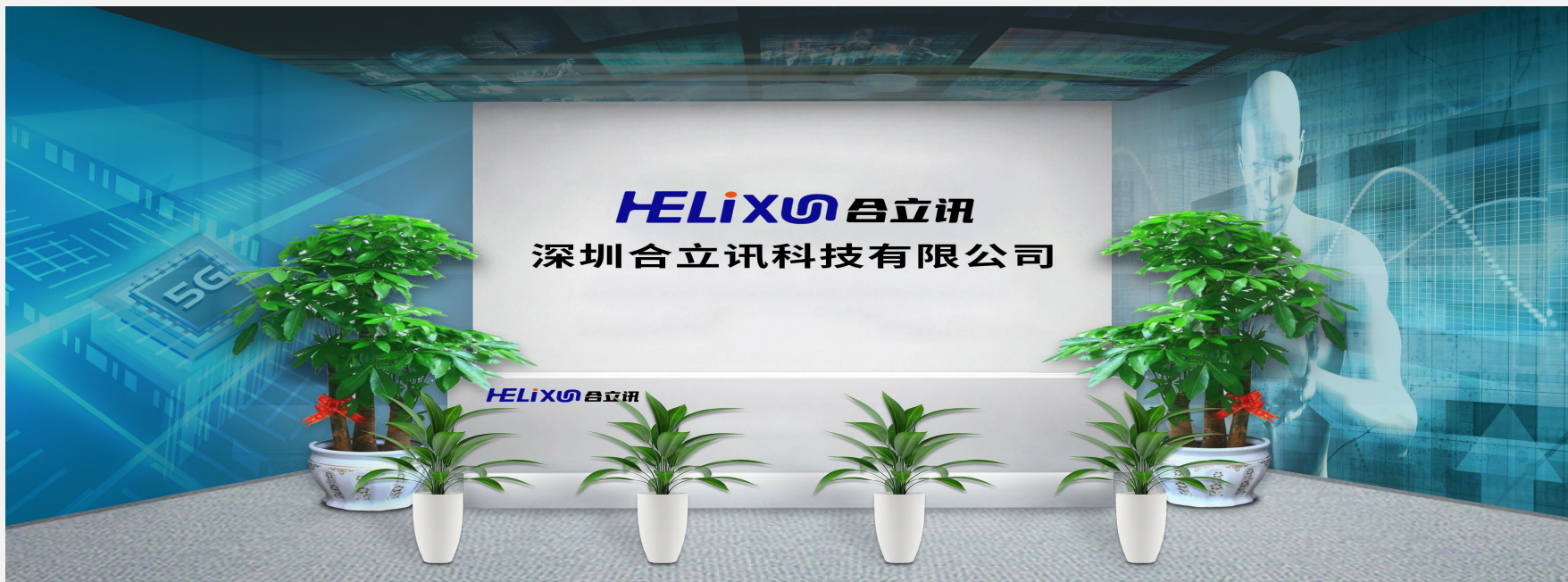


Antenna Test Report



Customer	佳利得
Project	K2
Antenna Revision	A0
Prepared by	15993920520
Checked by	15993920520
Date:	2023. 08. 24

Purpose

This report is to measure the performance of antenna for **K2** 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
 - 3.4 OTA

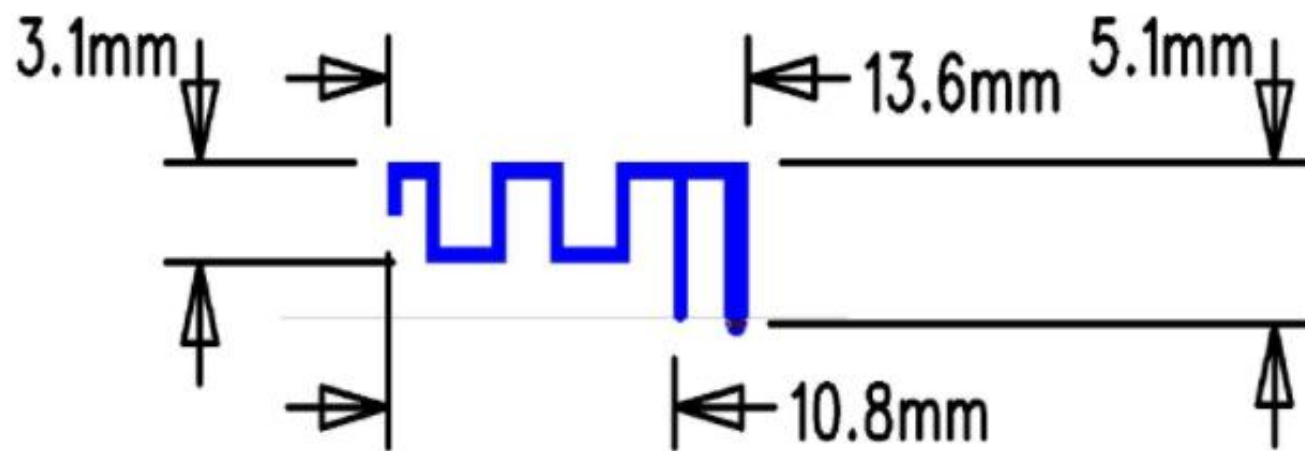
1. Test System

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



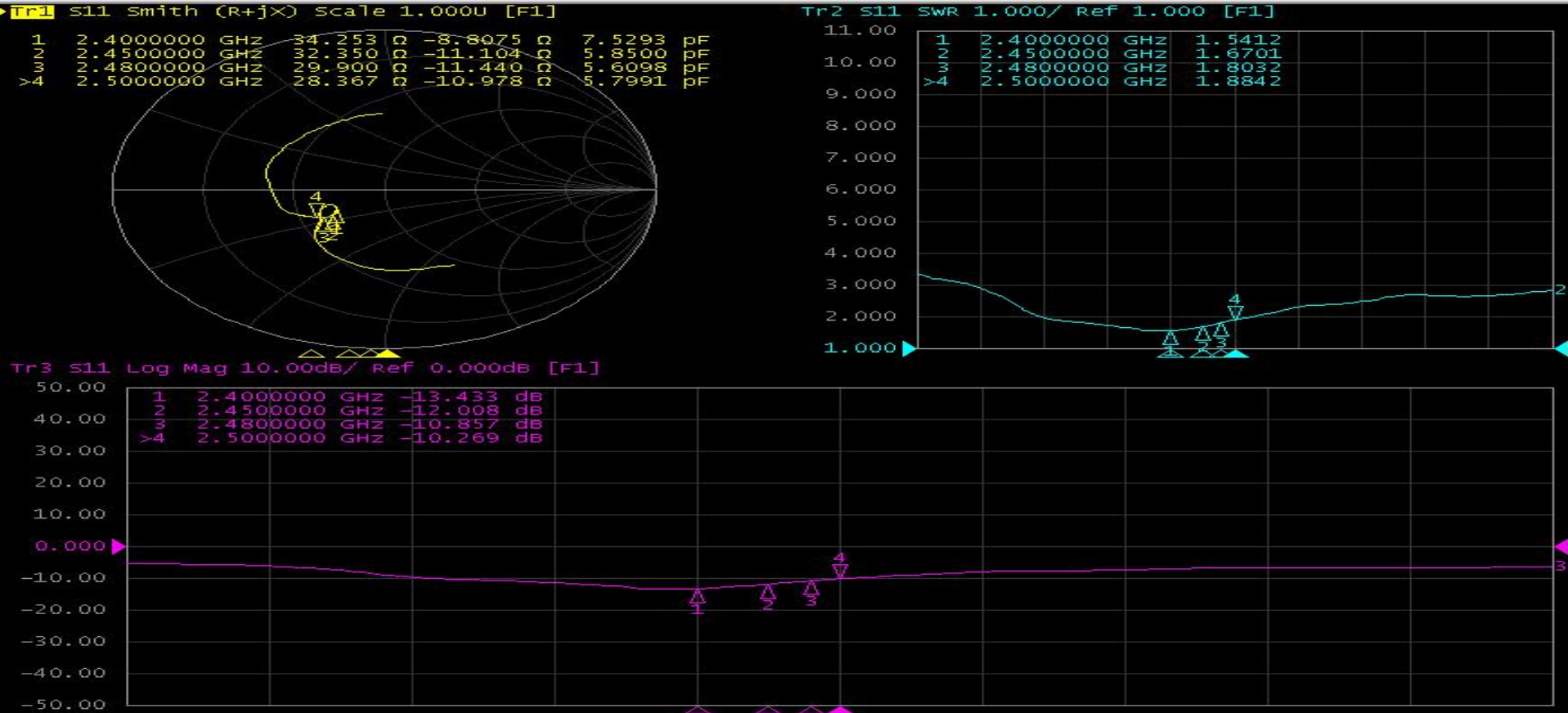
2.Product Overview & Dimension





3. Test Result

3.1 S11 Parameter-VSWR



requeency (MHz)	2400	2450	2480	2500
VSWR	1.54	1.67	1.80	1.88

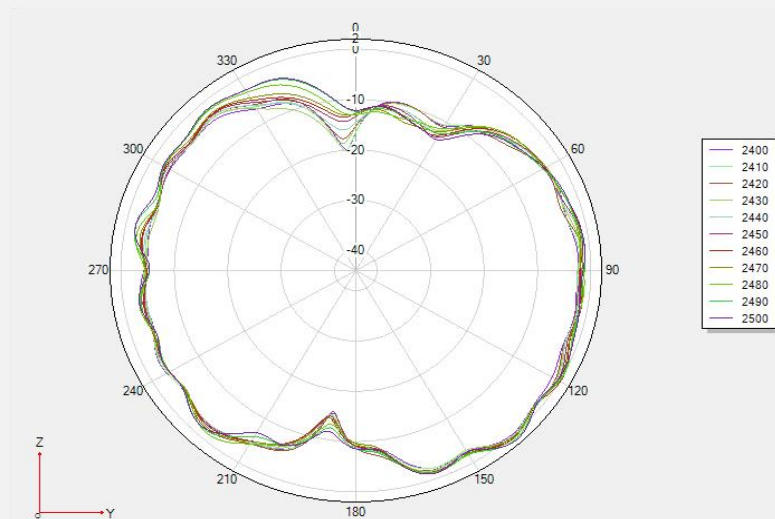
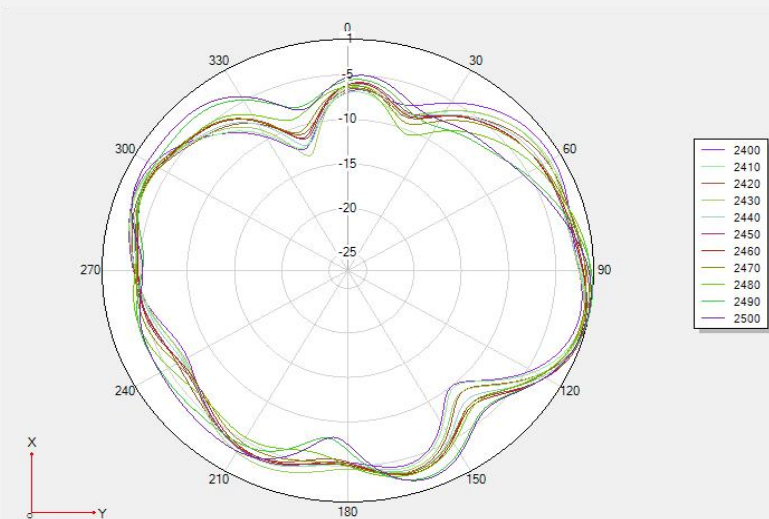
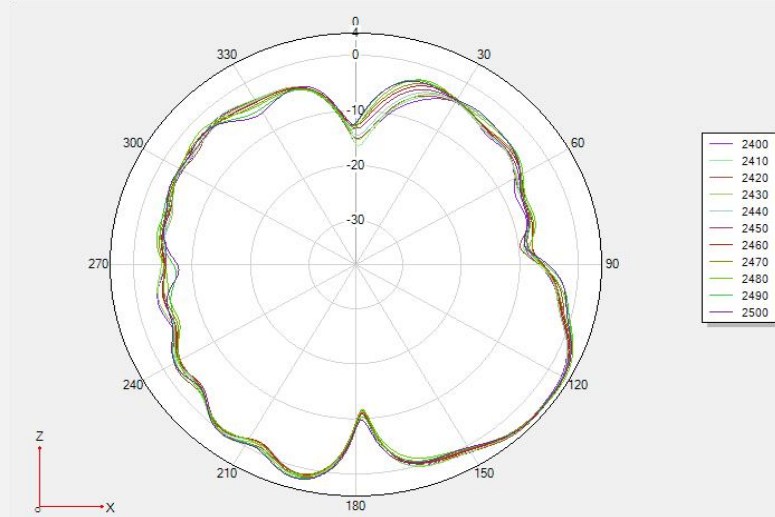
3. Test Result

3.2 Gain & Efficiency——ANT

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	46.03	3.91
2410	47.11	3.92
2420	47.86	3.84
2430	46.99	3.92
2440	47.75	3.88
2450	49.21	4.07
2460	50.12	4.28
2470	48.08	4.02
2480	49.09	4.09
2490	50.82	4.14
2500	50.93	4.42

3. Test Result

3.3 2D Pattern — BT ANT

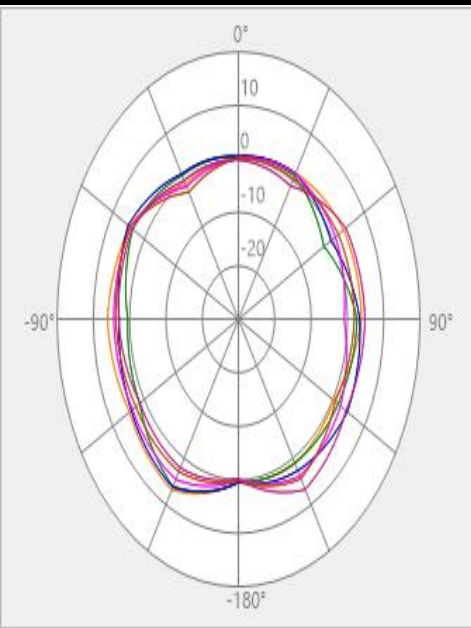
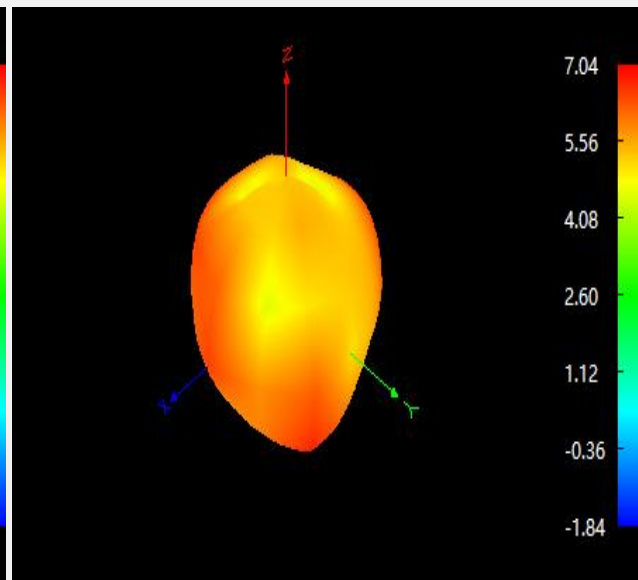
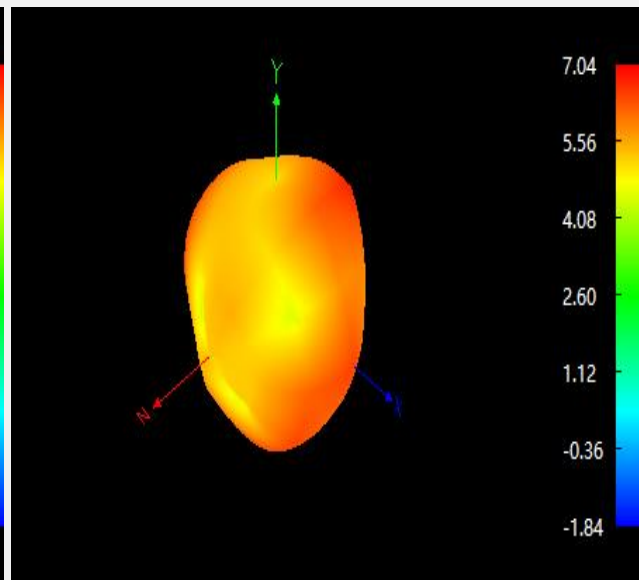
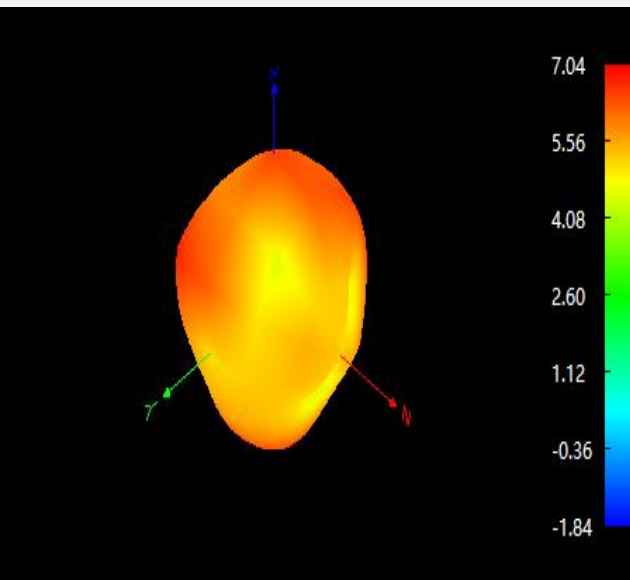


3.4 OTA Data

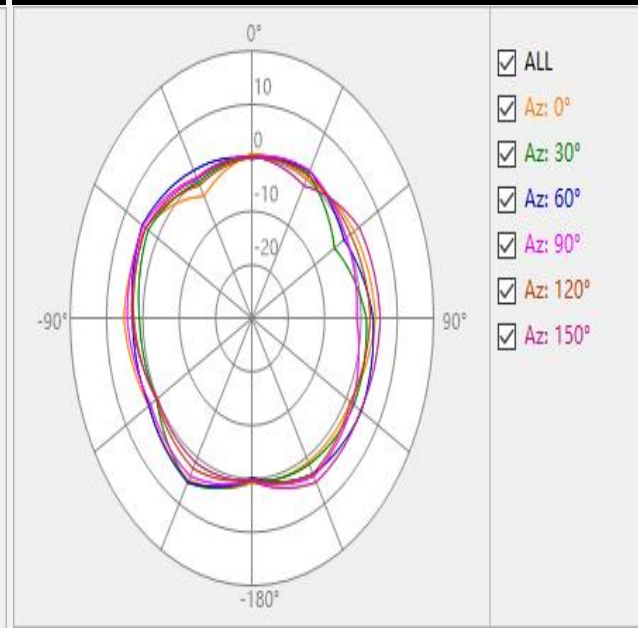
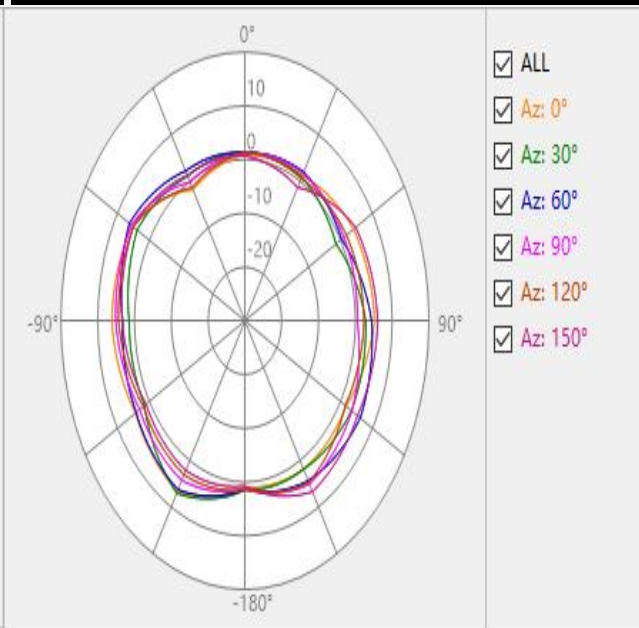
Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band		Channel	TRP(dBm)	TIS(dBm)
BT		0	3.38	-90.65
		39	4.41	-91.42
		78	3.81	-90.94

3.Test

Result TRP



- ALL
- Az: 0°
- Az: 30°
- Az: 60°
- Az: 90°
- Az: 120°
- Az: 150°

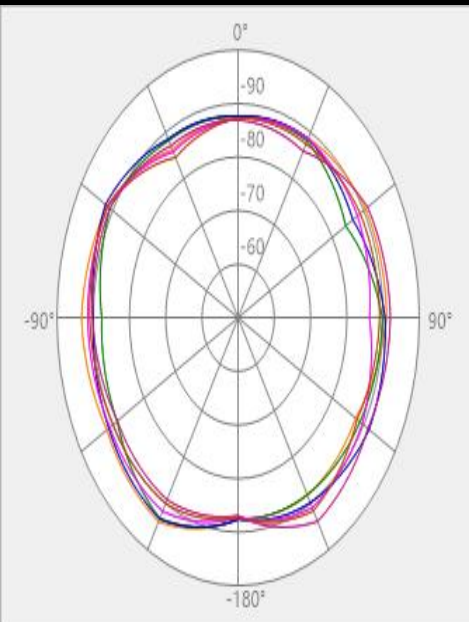
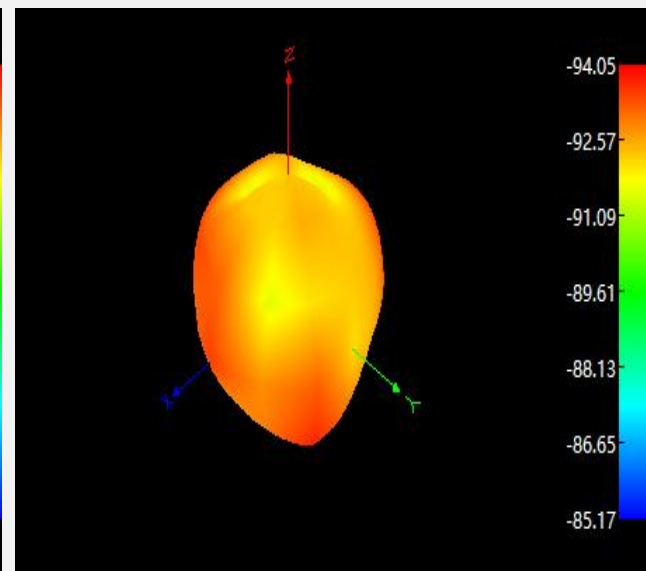
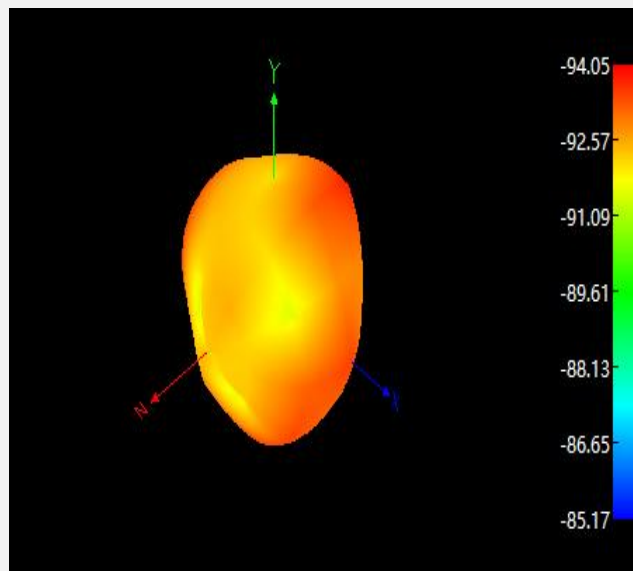
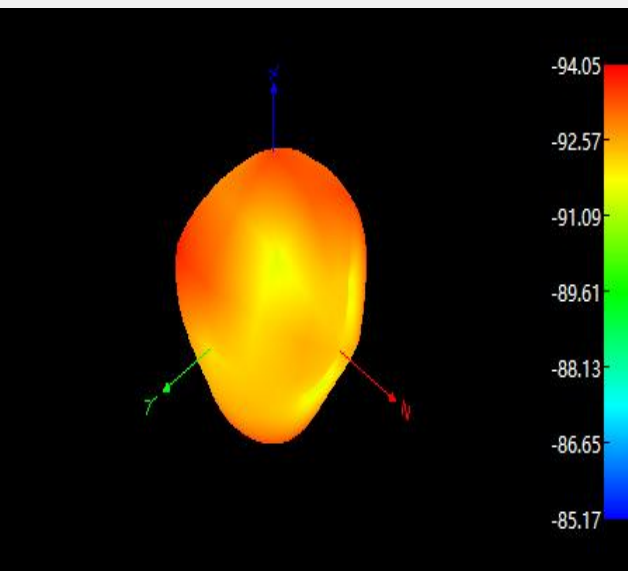


- ALL
- Az: 0°
- Az: 30°
- Az: 60°
- Az: 90°
- Az: 120°
- Az: 150°

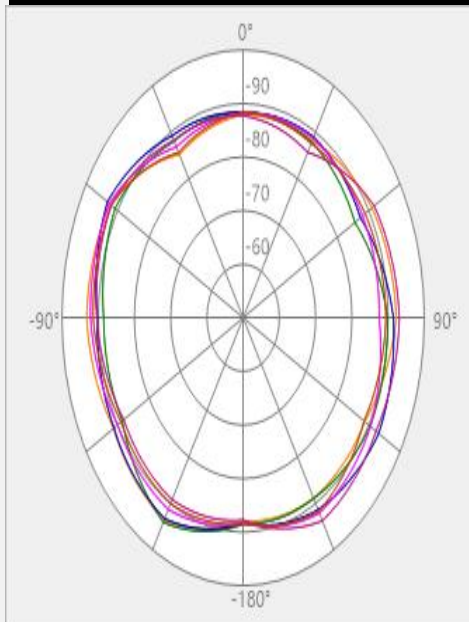
3.Test

Result

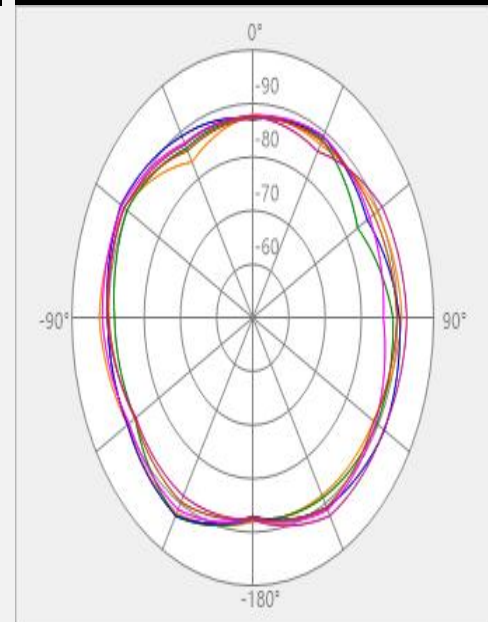
TIS



- ALL
- Az: 0°
- Az: 30°
- Az: 60°
- Az: 90°
- Az: 120°
- Az: 150°



- ALL
- Az: 0°
- Az: 30°
- Az: 60°
- Az: 90°
- Az: 120°
- Az: 150°



- ALL
- Az: 0°
- Az: 30°
- Az: 60°
- Az: 90°
- Az: 120°
- Az: 150°

Thank you!