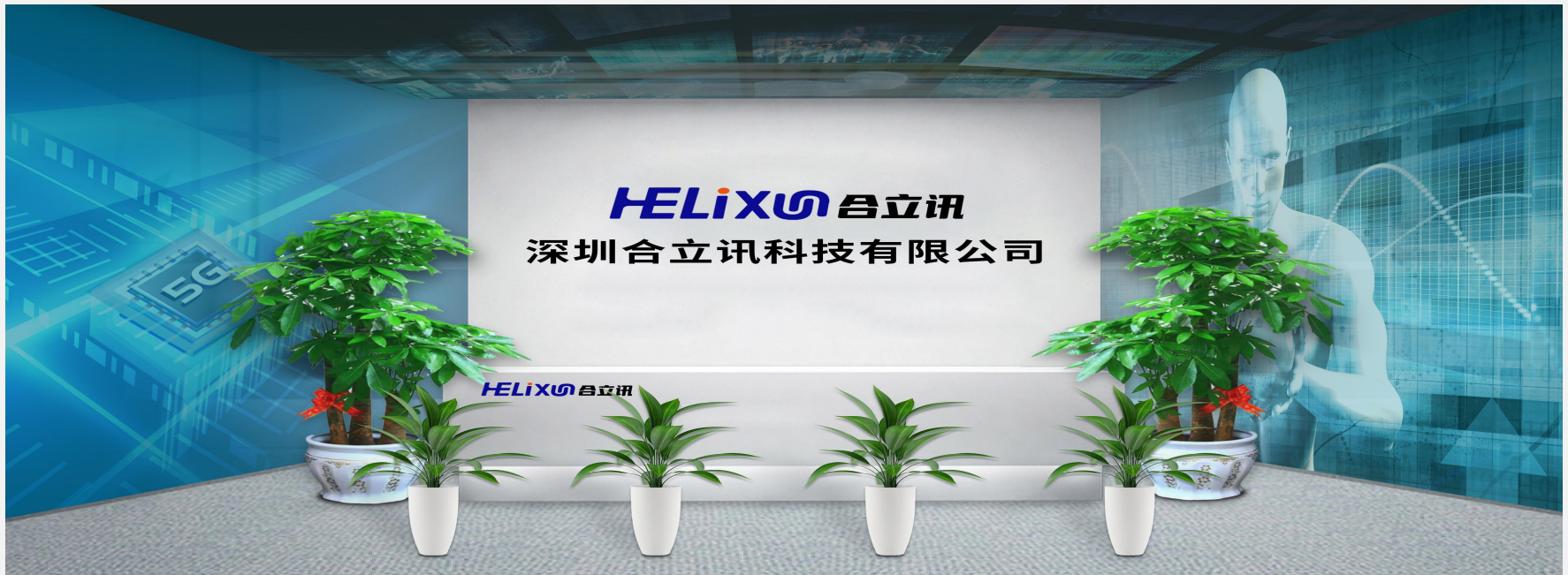


Antenna Test Report



Customer	guangzhouxingtaihuishengchuangxintouzi Co., Ltd.
Address	2402fang 159hao, nantaohuajie, guangzhoudadao haizhuqu Guangzhoushi ,China
Project	C01
Prepared by	15993920520
Checked by	17279710721
Date:	2023. 10. 17

Purpose

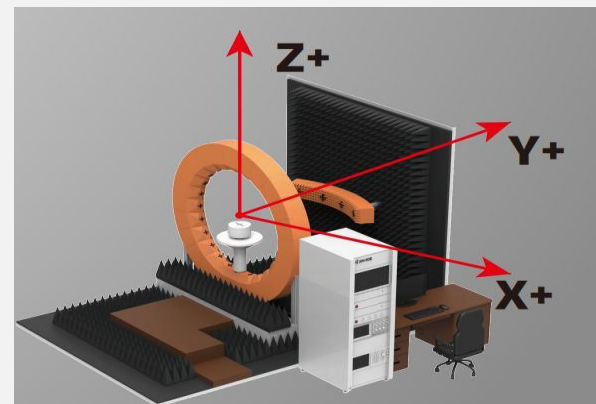
This report is to measure the performance of antenna for **C01** The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

Content

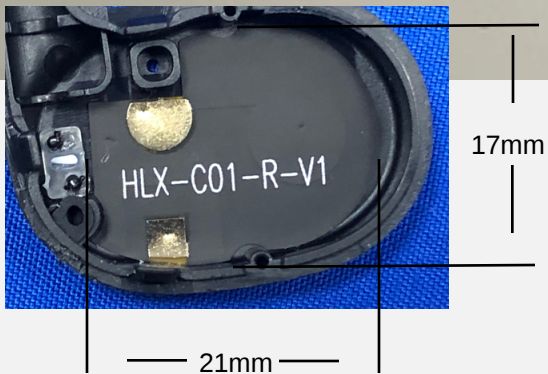
1. est system
- 2.Product Overview &Dimension
- 3.OTA

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

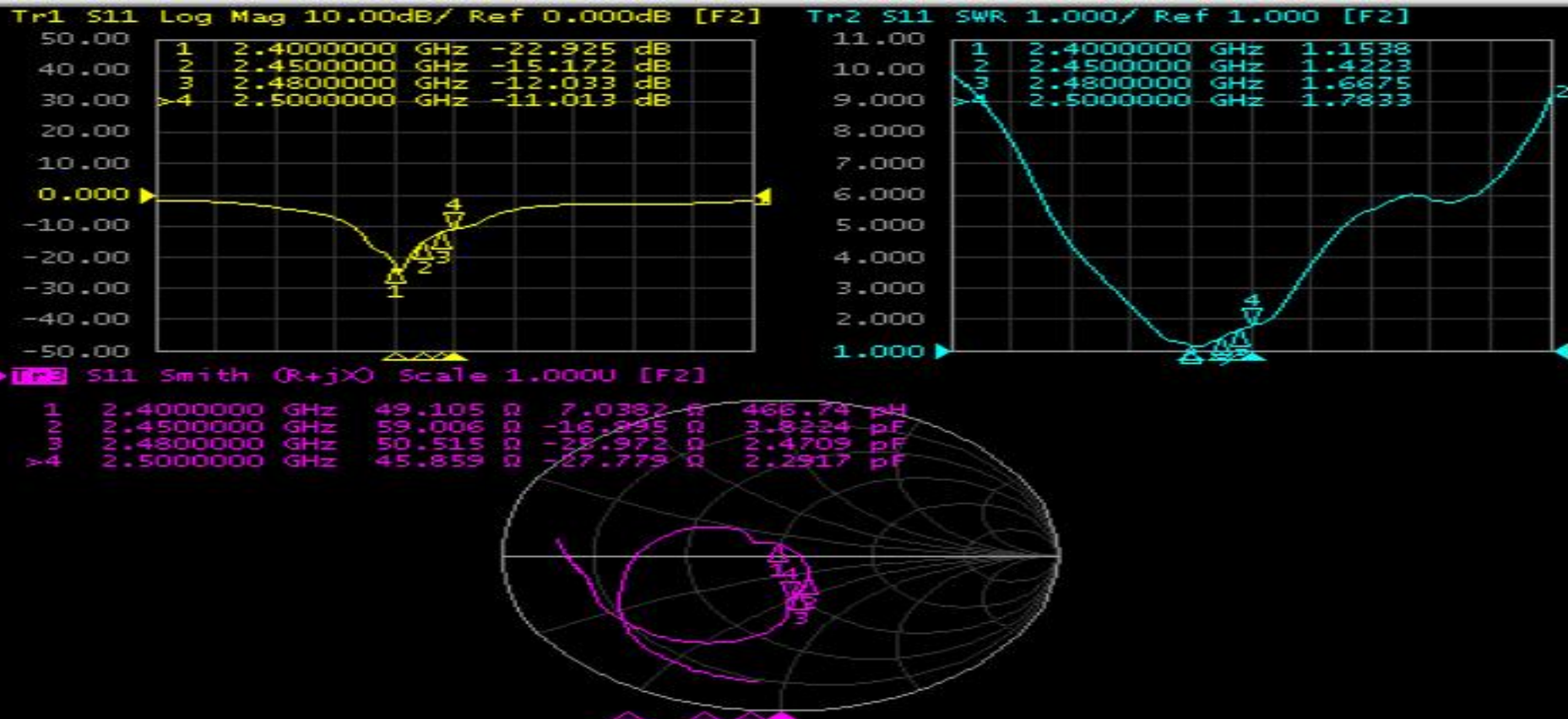


2. Product Overview & Dimension



3.Test Result

3.1 S11 Parameter-VSWR



requeency (MHz)	2400	2450	2480	2500
VSWR	1.15	1.42	1.66	1.78

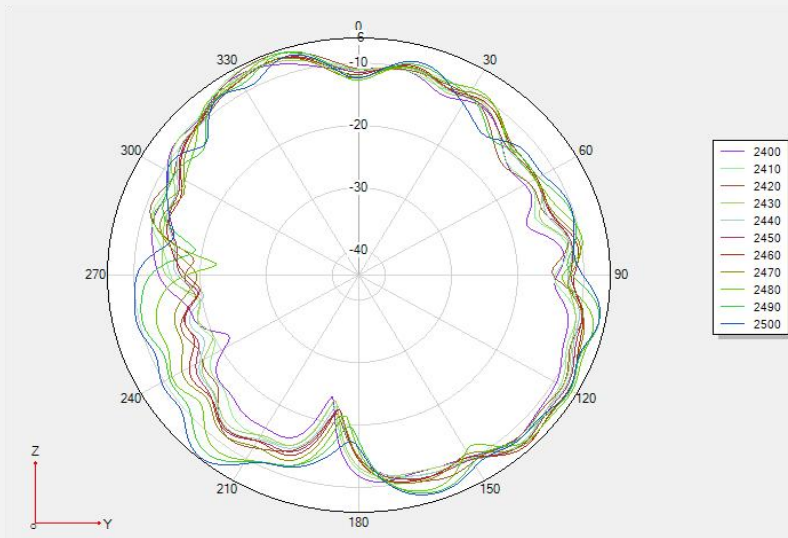
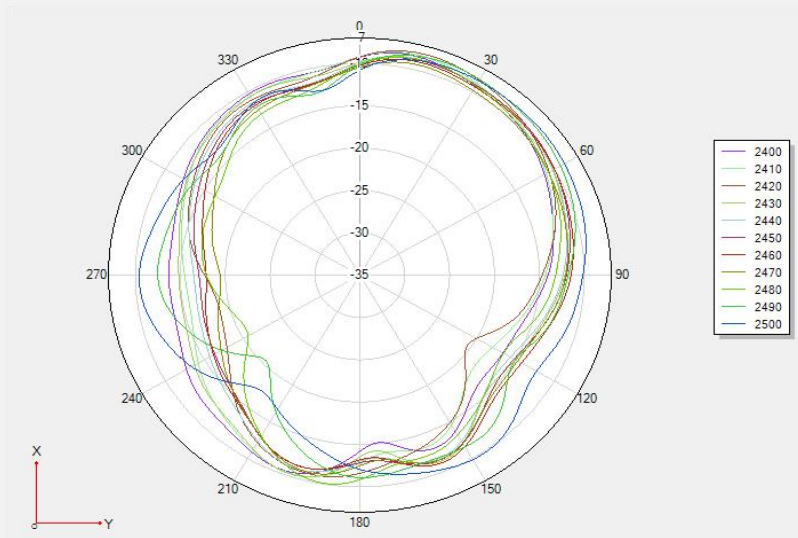
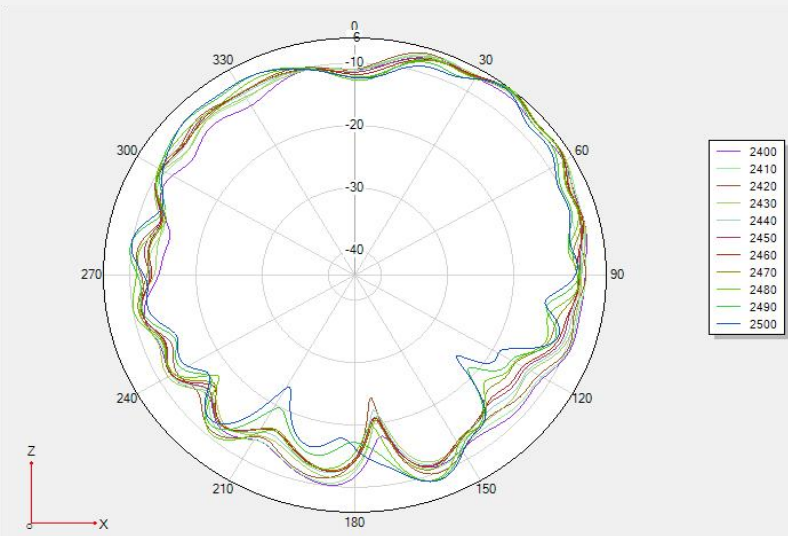
3. Test Result

3.2 Gain & Efficiency——**ANT**

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	25.35	-0.47
2410	25.83	-0.21
2420	26.11	-0.21
2430	25.93	-0.07
2440	25.93	-0.01
2450	26.05	0.16
2460	26.11	0.34
2470	25.78	0.17
2480	26.31	0.37
2490	26.26	0.43
2500	26.28	0.38

3. Test Result

3.3 2D Pattern——BT ANT



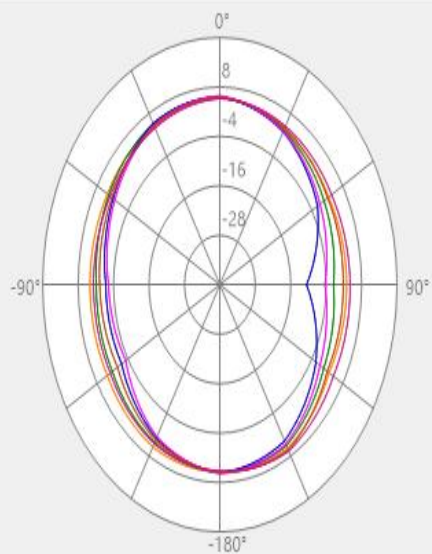
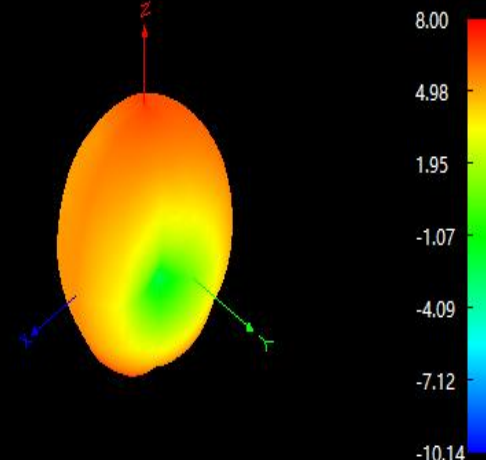
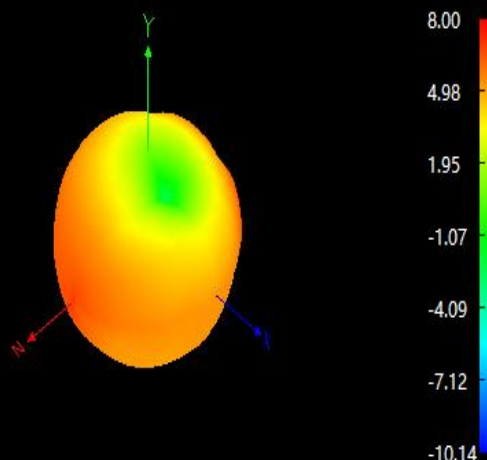
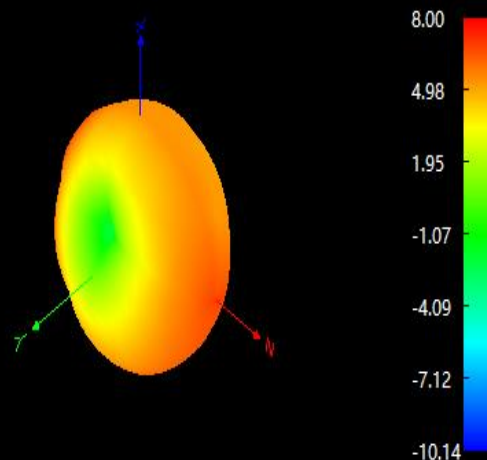
3.OTA Data

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band		Channel	TRP(dBm)	TIS(dBm)
BT	L	0	2.31	-86.97
		39	3.06	-87.67
		78	2.54	-86.68
BT	R	0	2.21	-87.97
		39	3.79	-87.05
		78	2.01	-86.78

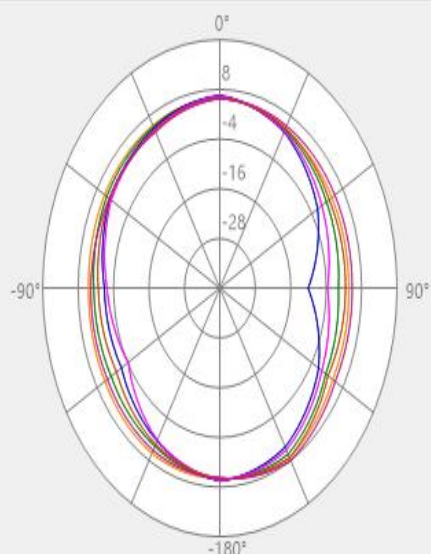
3. Test

Result

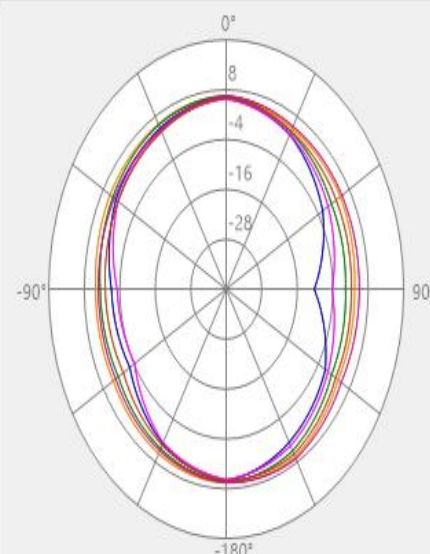
L-TRP



- ☒ 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°

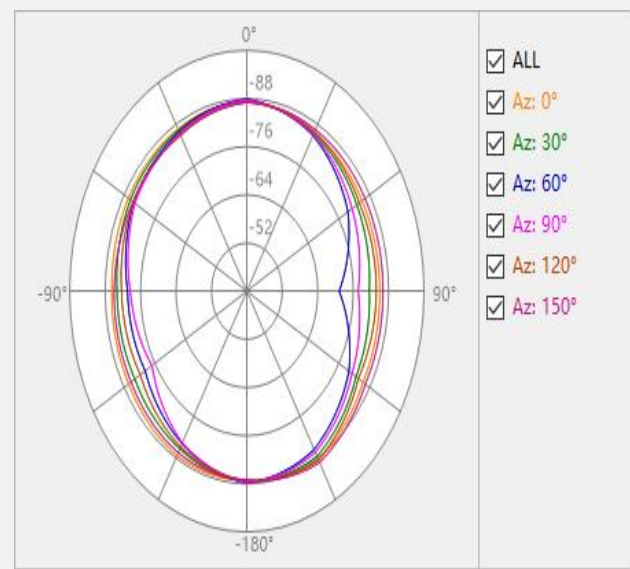
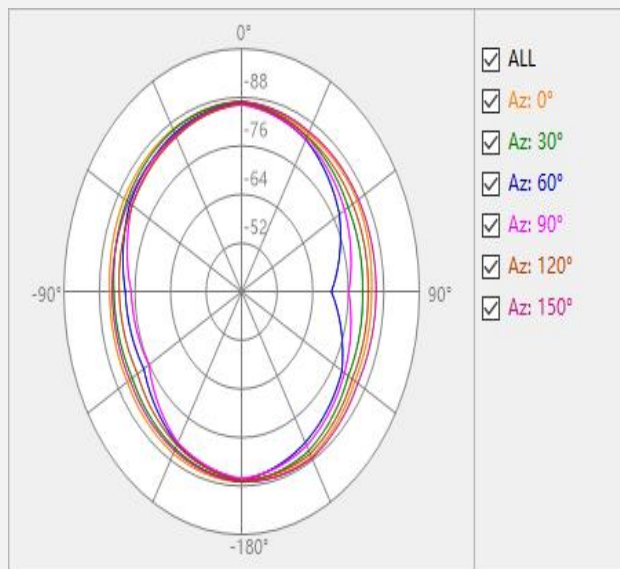
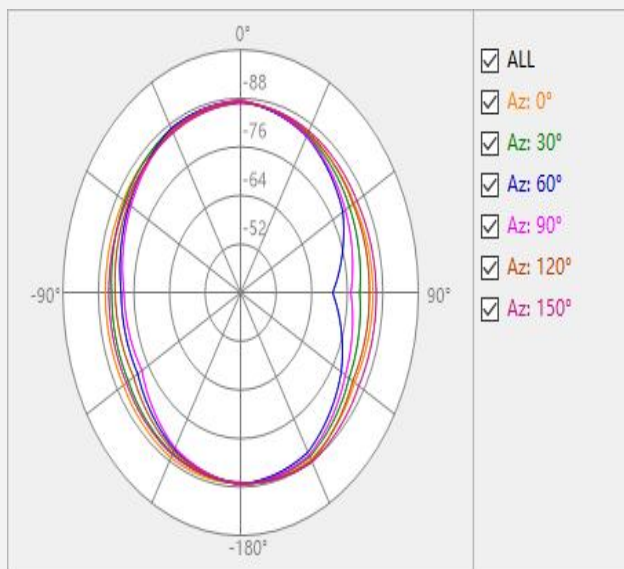
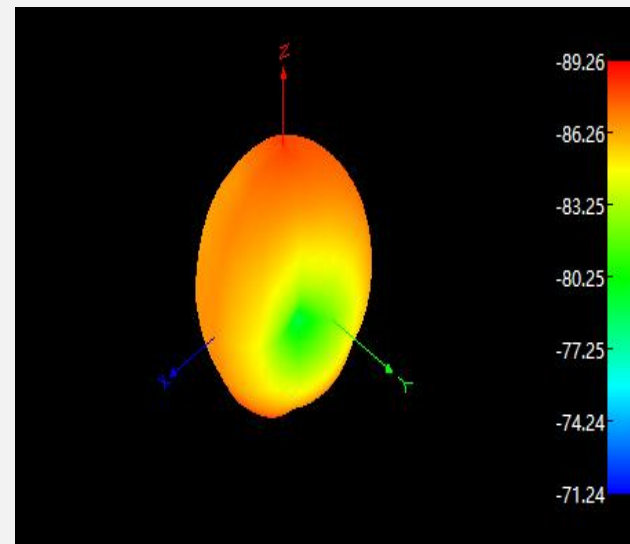
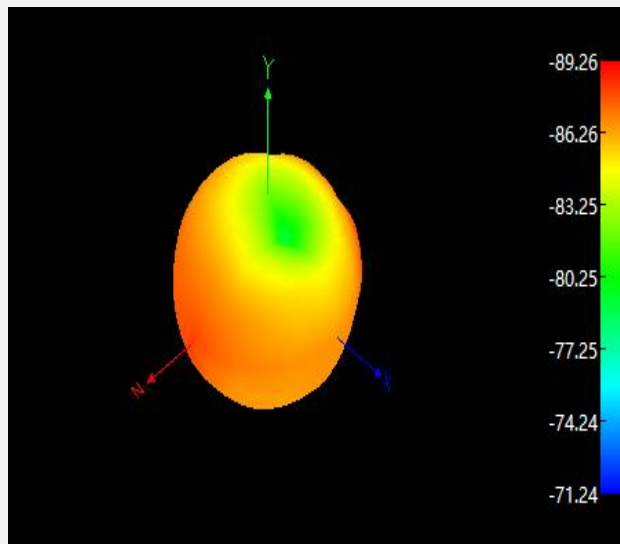
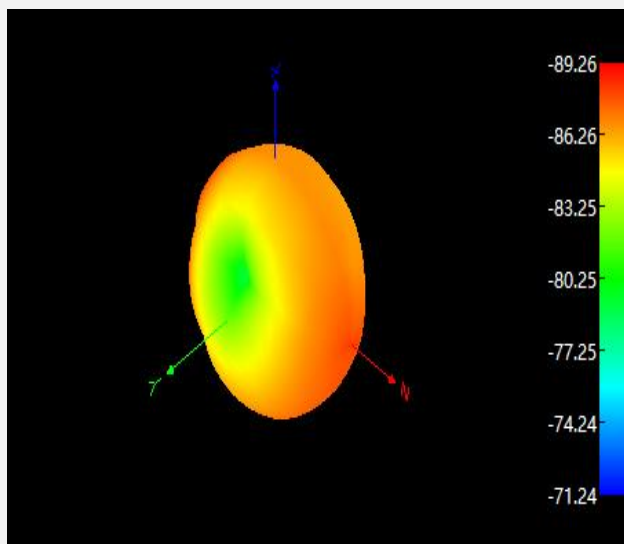


- ☒ ALL
- ☒ Az: 0°
- ☒ Az: 30°
- ☒ Az: 60°
- ☒ Az: 90°
- ☒ Az: 120°
- ☒ Az: 150°

3. Test

Result

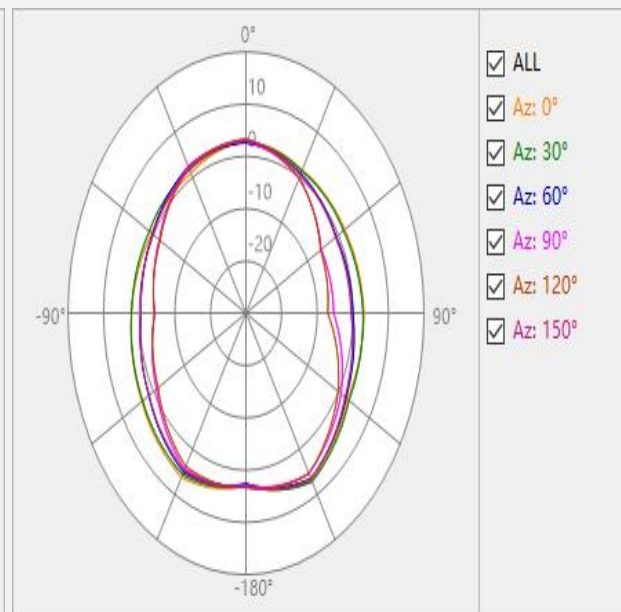
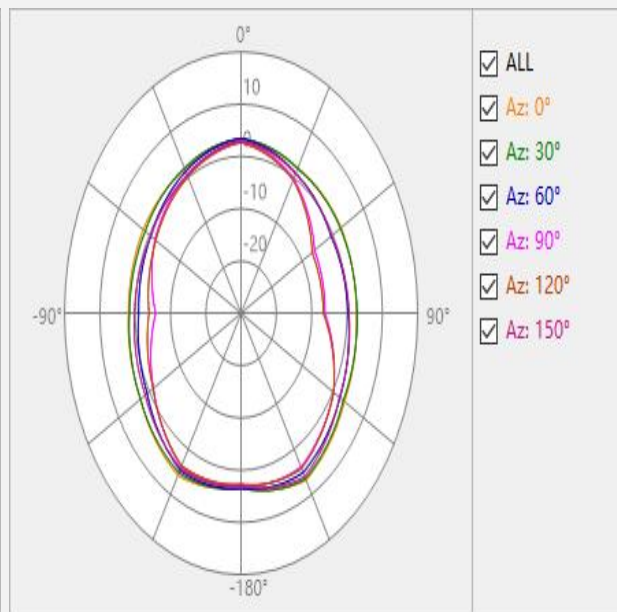
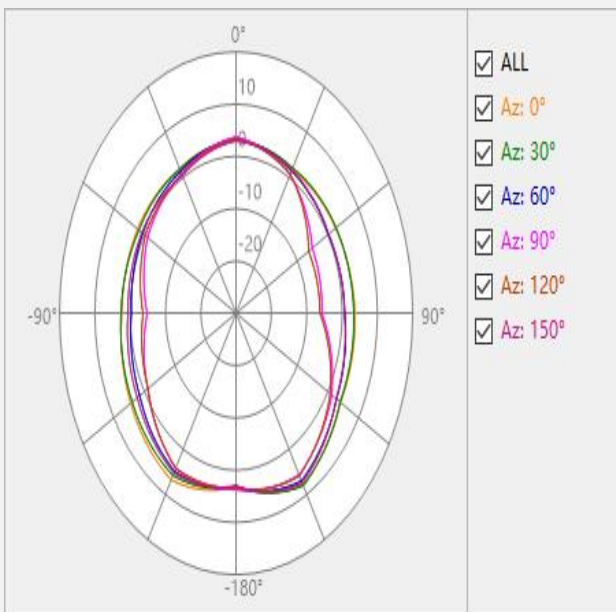
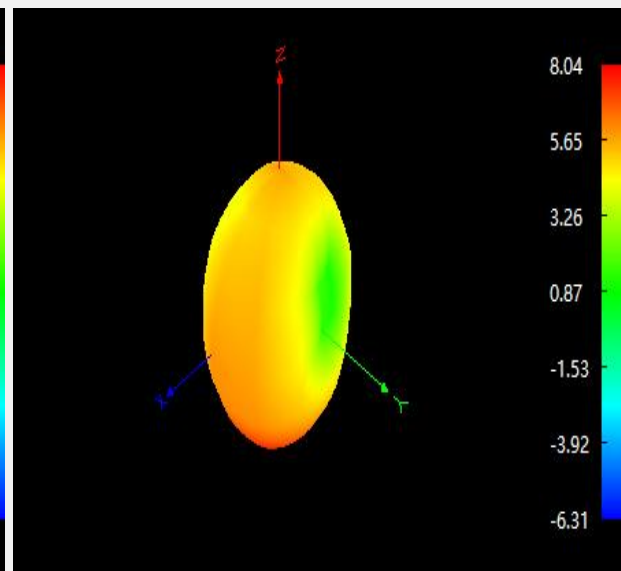
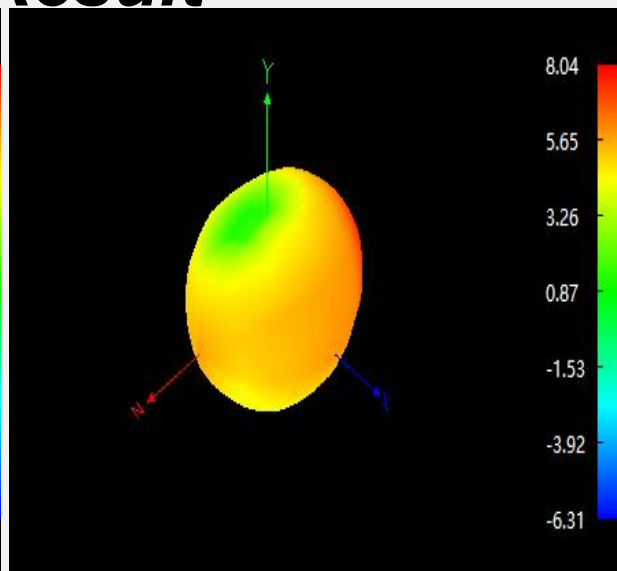
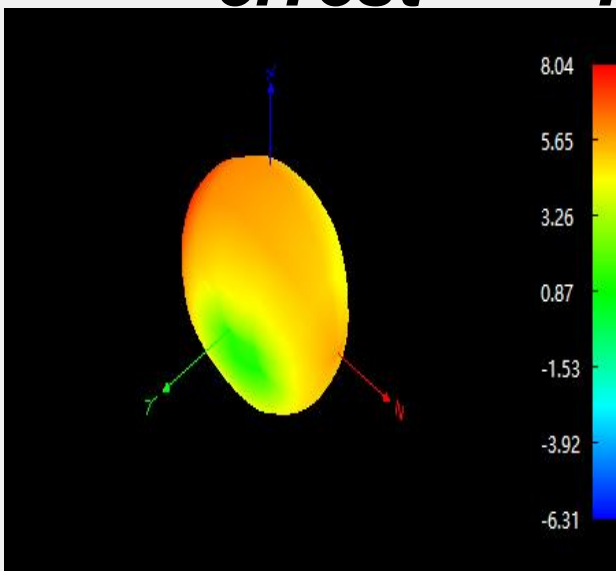
L-TIS



3.Test

Result

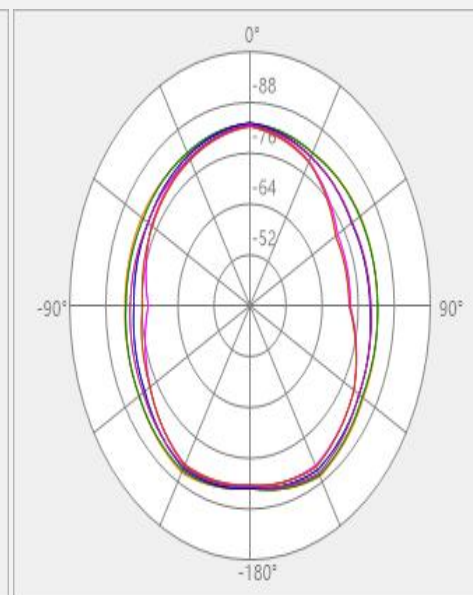
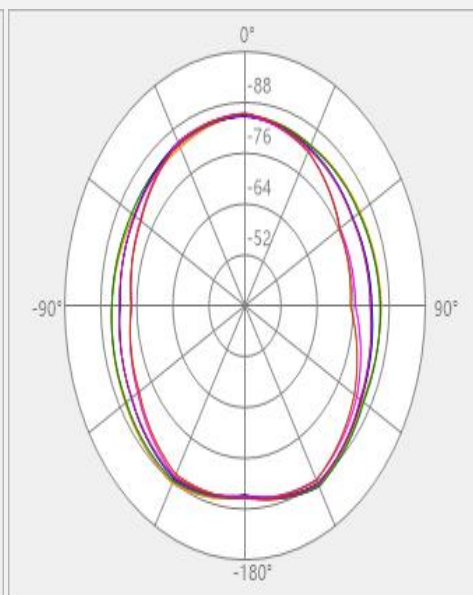
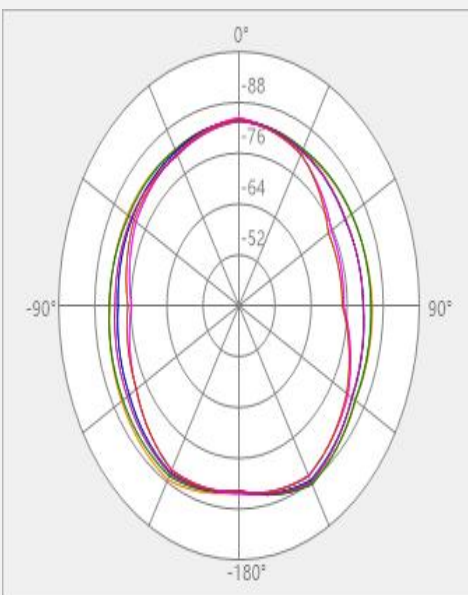
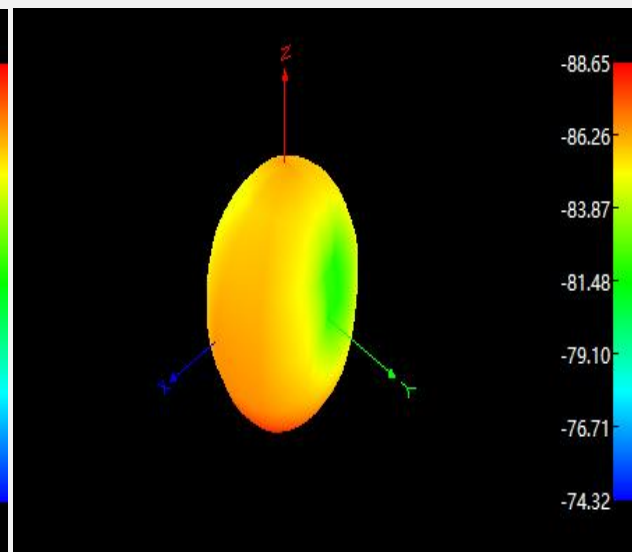
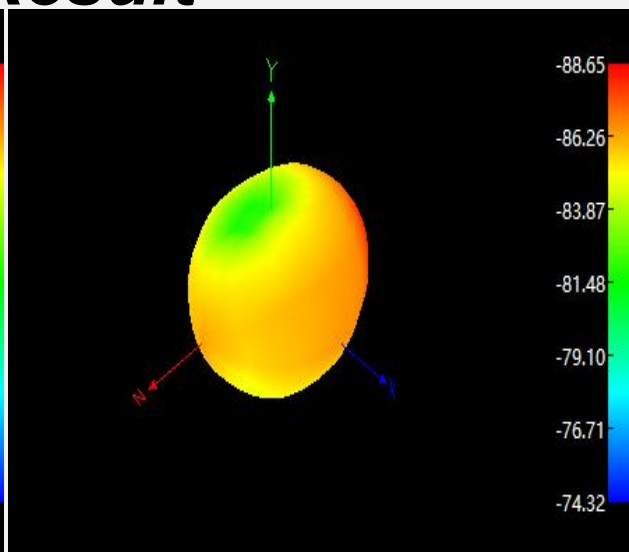
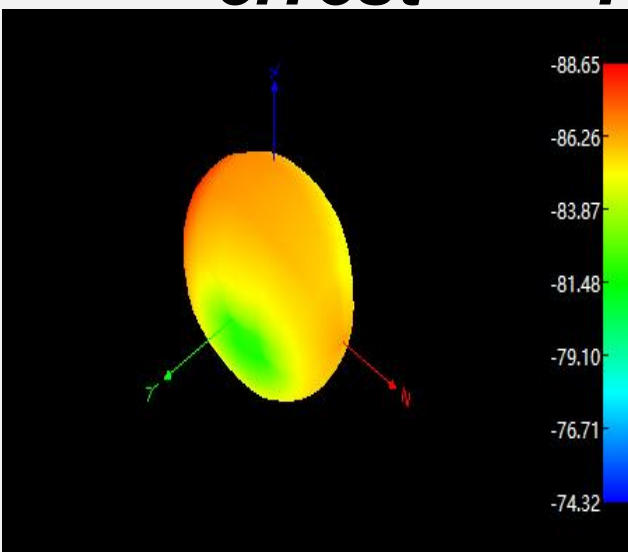
R-TRP



3. Test

Result

R-TIS



Thank you!