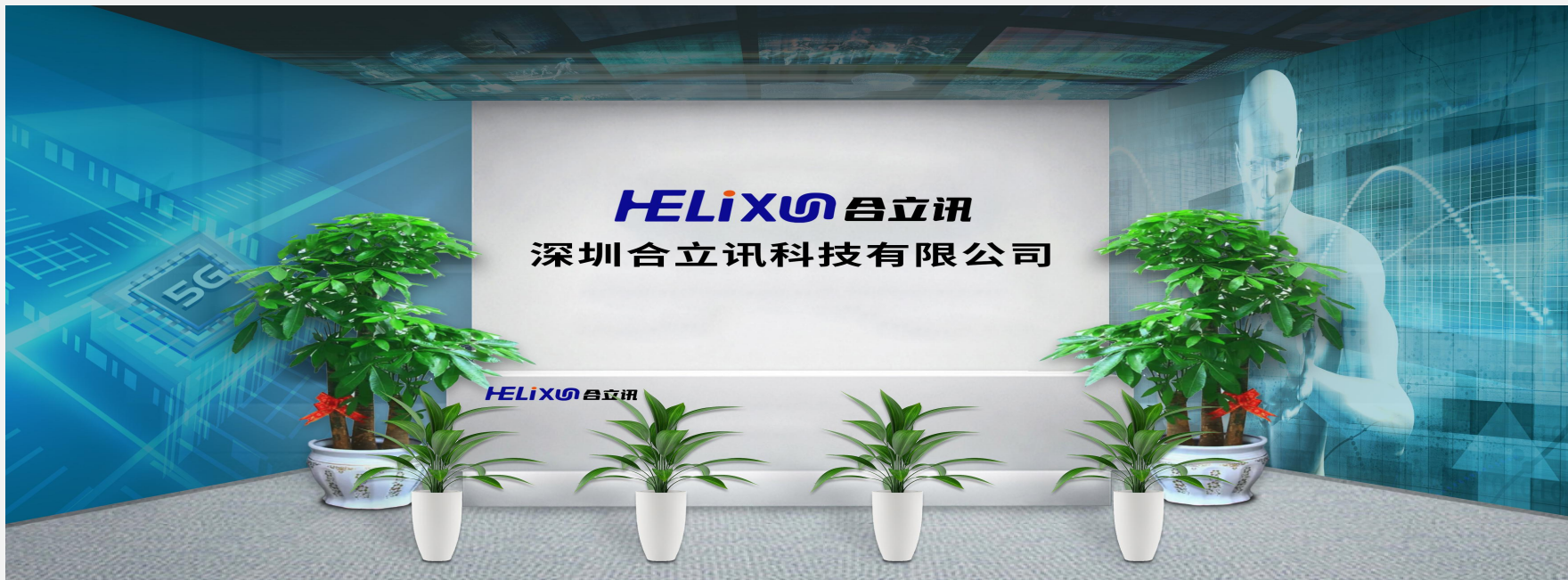


Antenna Test Report



Customer	华联智创
Project	Y91
Antenna Revision	A0
Prepared by	15993920520
Checked by	15993920520
Date	2024. 07. 04

Purpose

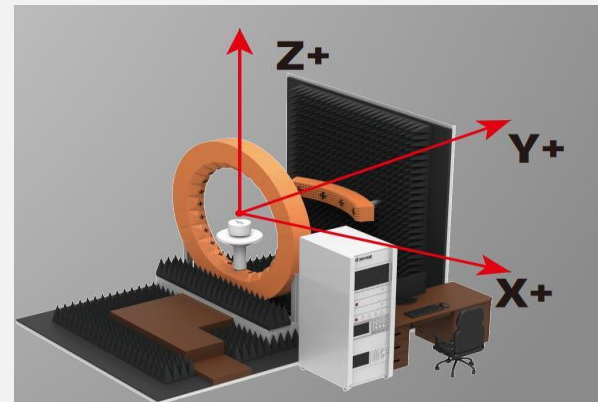
This report is to measure the performance of antenna for **Y91** The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

Content

1. Test system
2. Product Overview & Dimension
3. OTA Data
3. Test Result

1. Test System

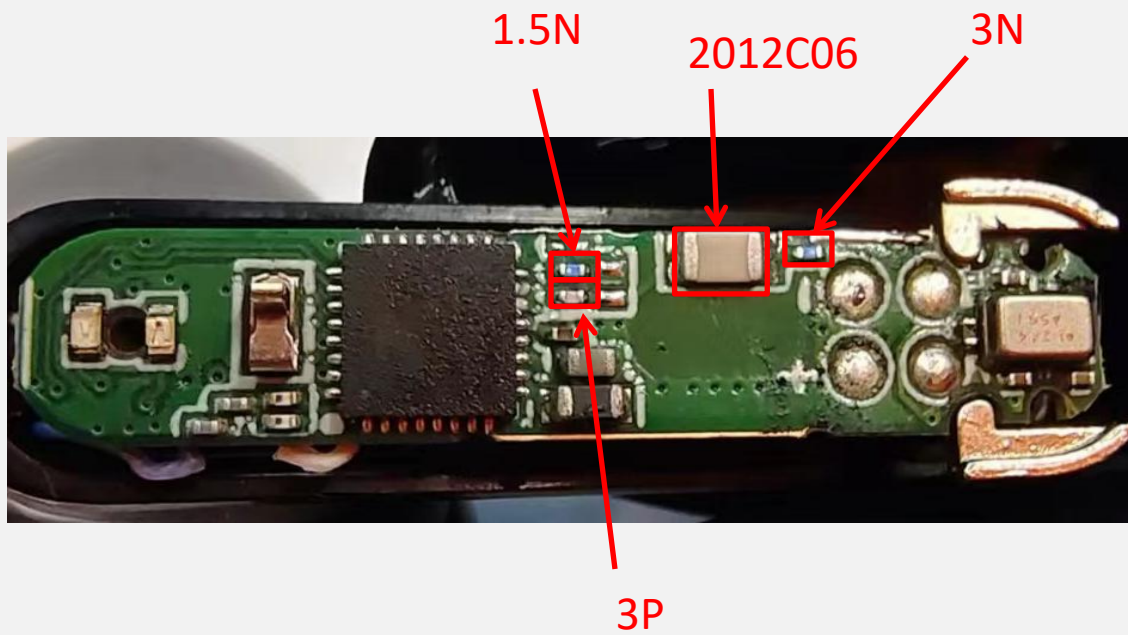
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C



2.Product Overview & Dimension



L&R



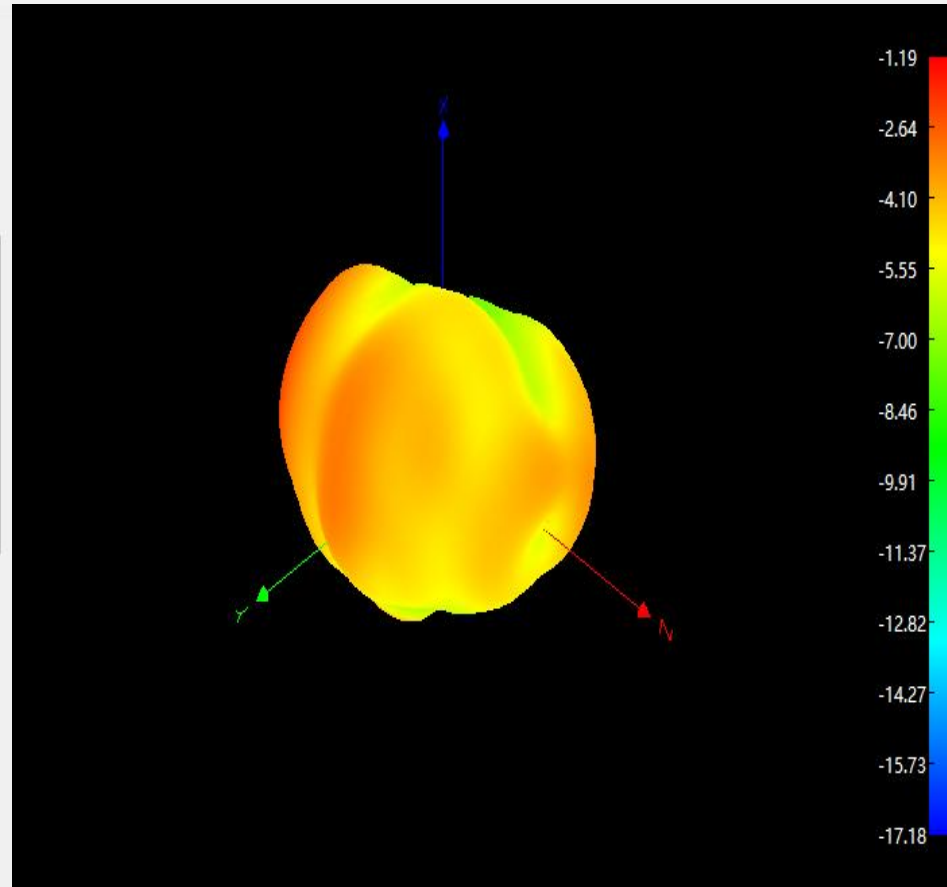
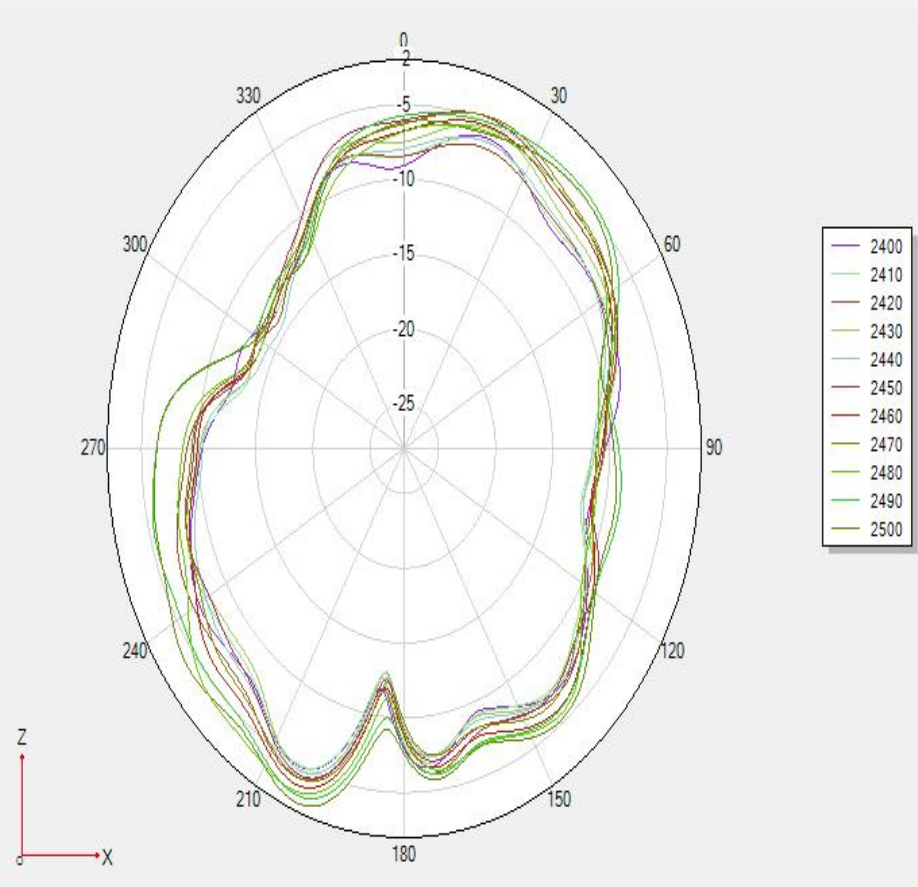
3. Test Result

3.1 Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	19.45	-1.19
2410	18.07	-1.57
2420	19.91	-1.46
2430	20.28	-1.04
2440	19.5	-0.92
2450	23.07	-0.57
2460	23.12	0.46
2470	22.44	-0.47
2480	22.44	0.32
2490	26.61	-0.16
2500	25.12	0.25

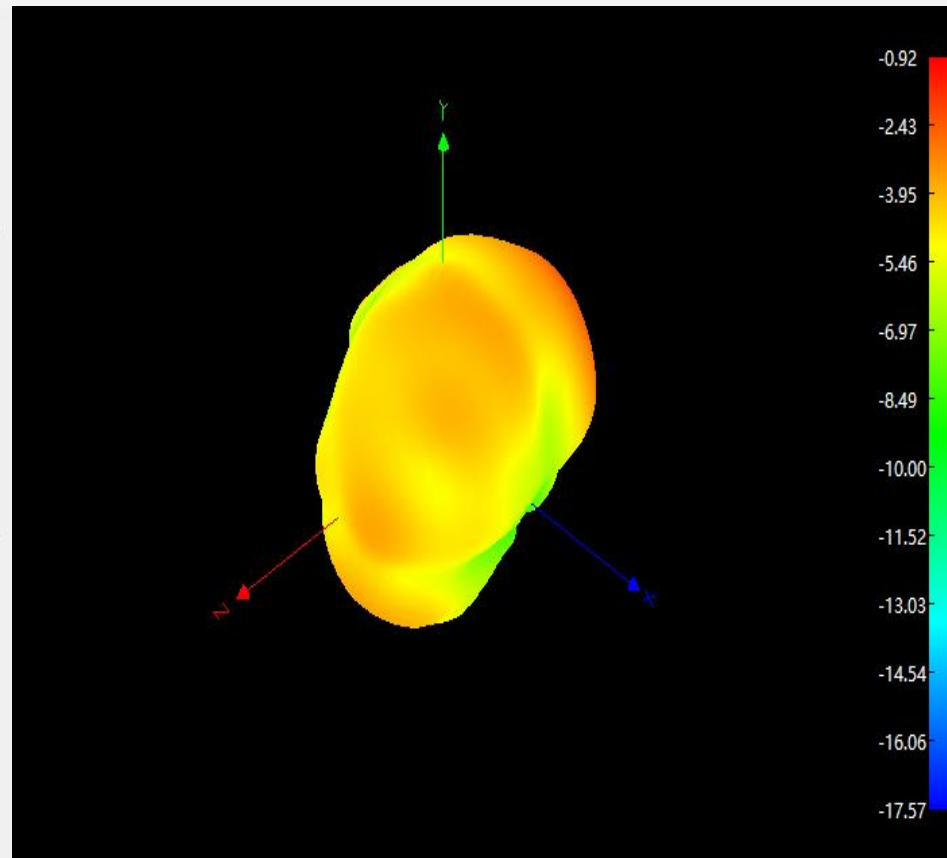
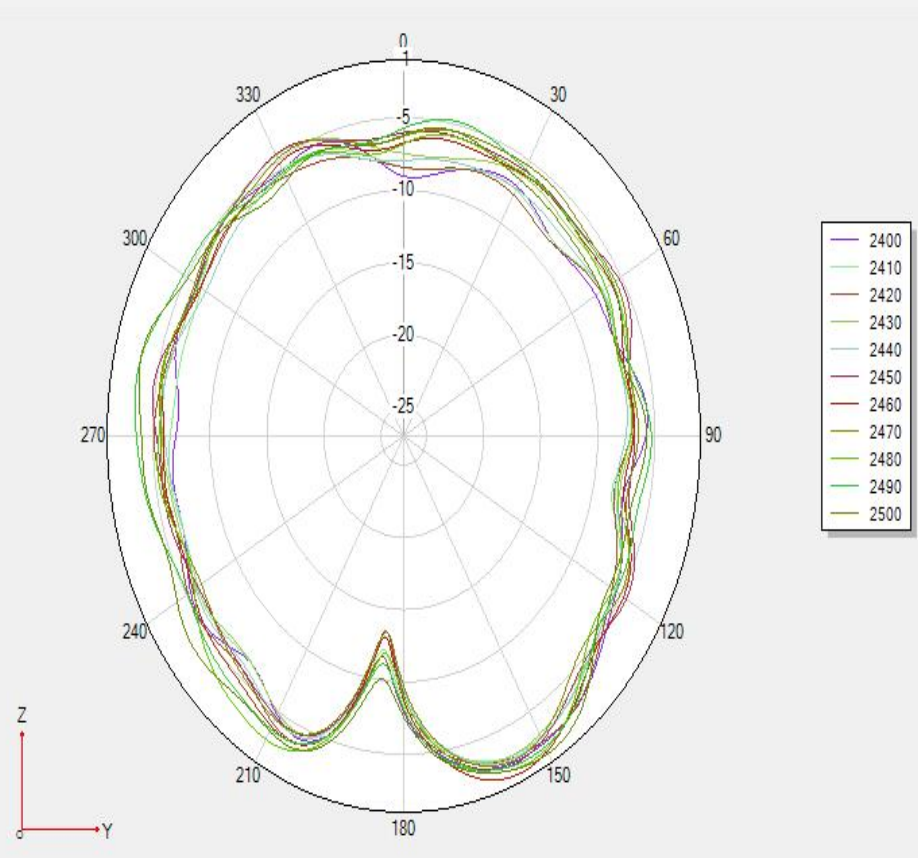
3. Test Result

3.2 2D Pattern



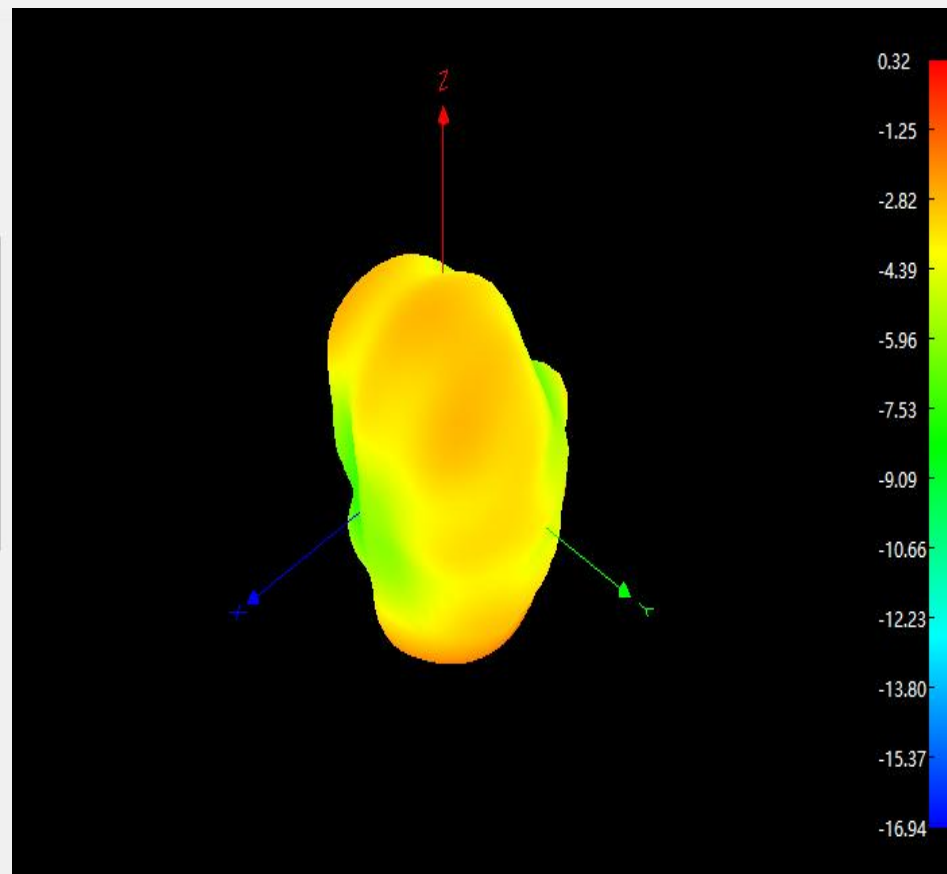
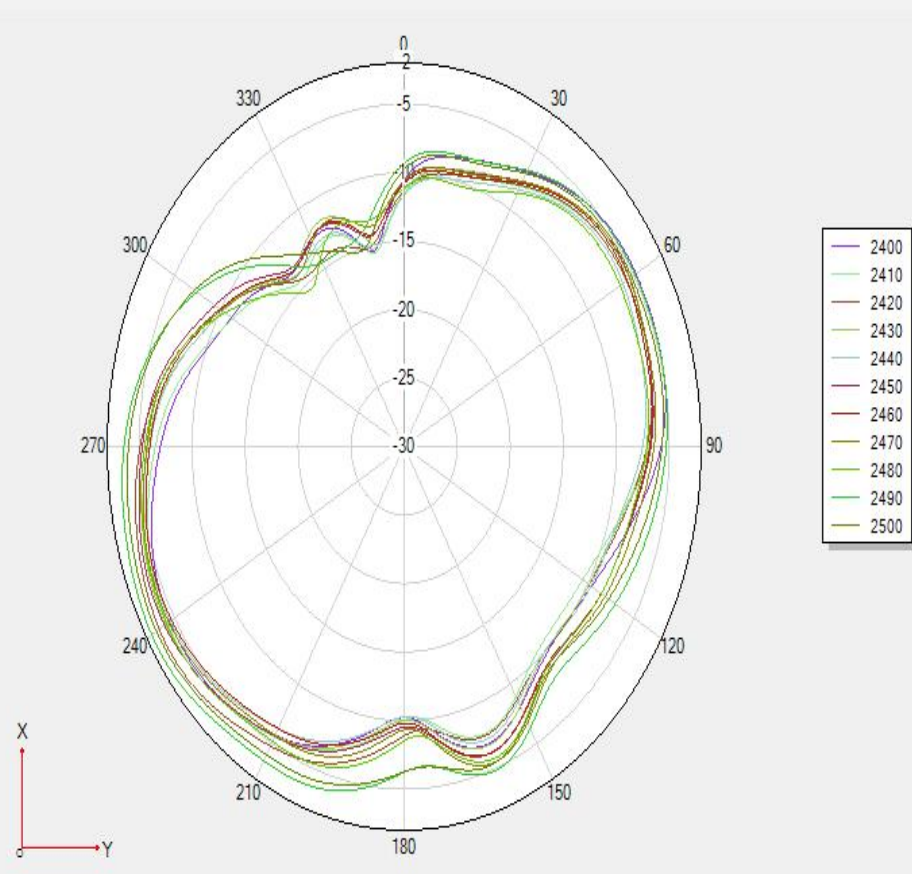
3. Test Result

3.2 2D Pattern



3. Test Result

3.2 2D Pattern

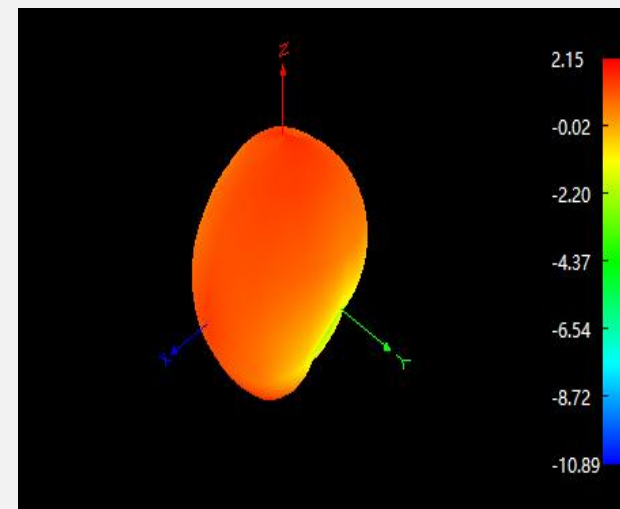
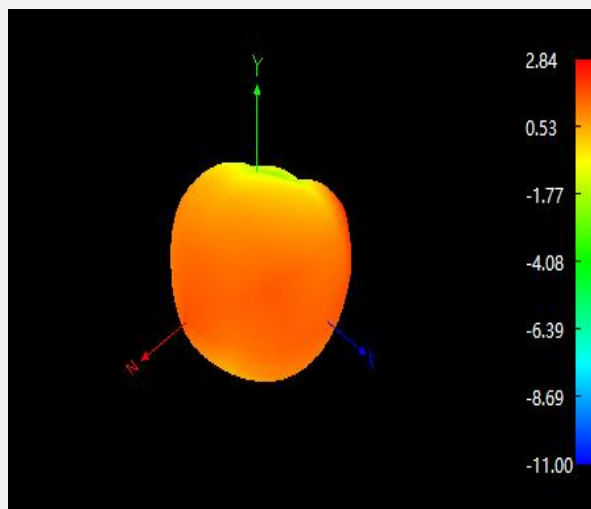
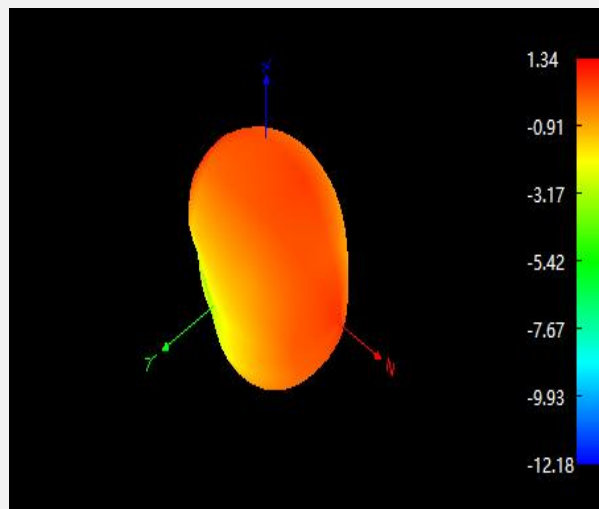
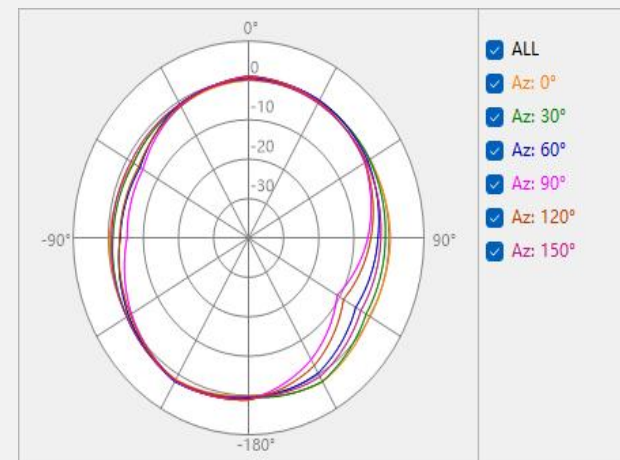
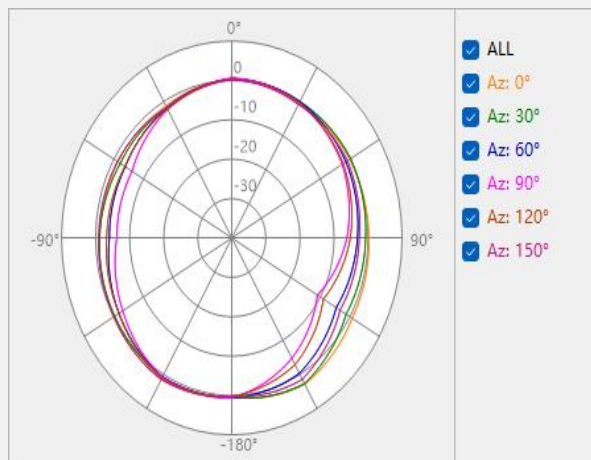
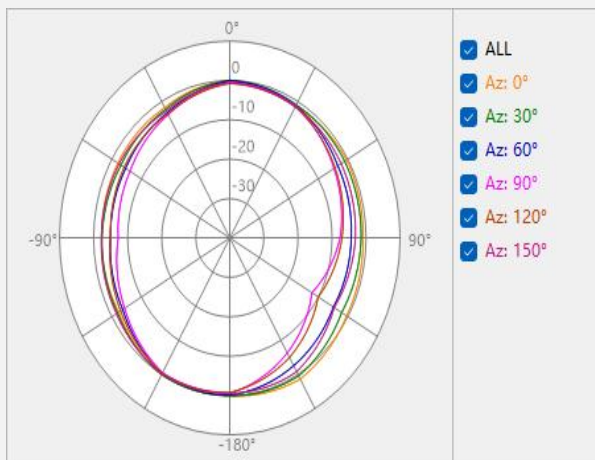


3.OTA Data

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band		Channel	TRP(dBm)	TIS(dBm)
BT	L	0	-1.97	-80.07
		39	-0.71	-85.34
		78	-0.49	-84.13
BT	R	0	-1.73	-80.28
		39	-1.21	-85.82
		78	-1.68	-86.06

3.Test

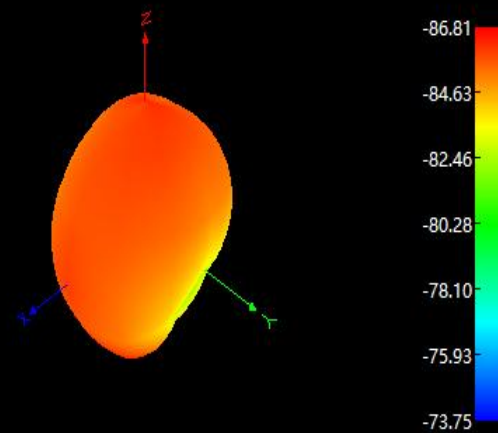
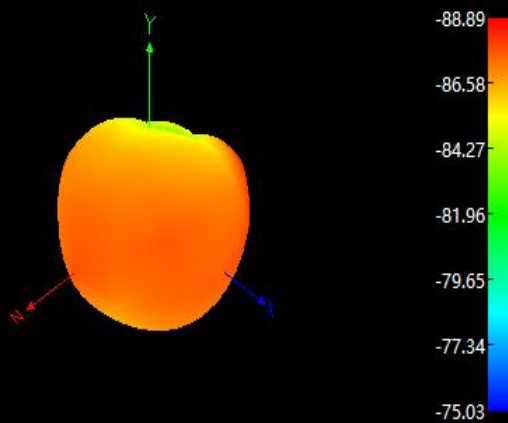
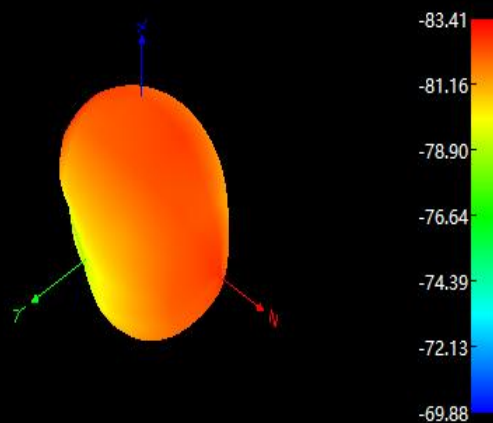
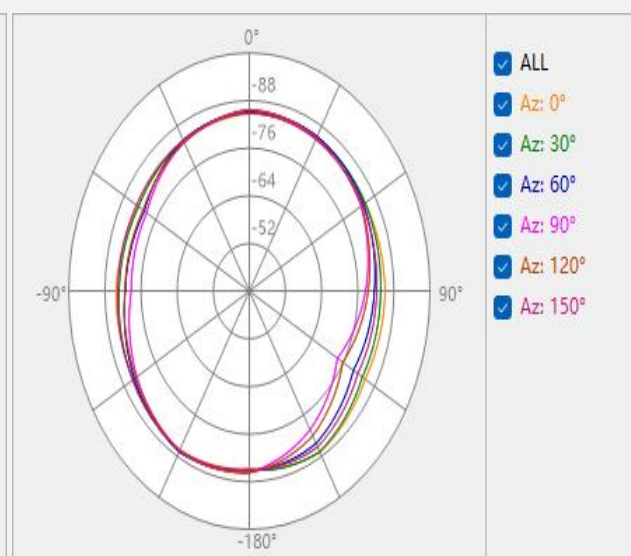
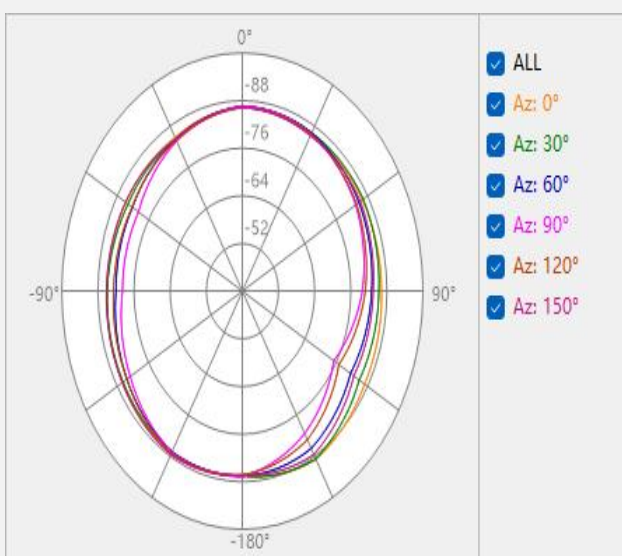
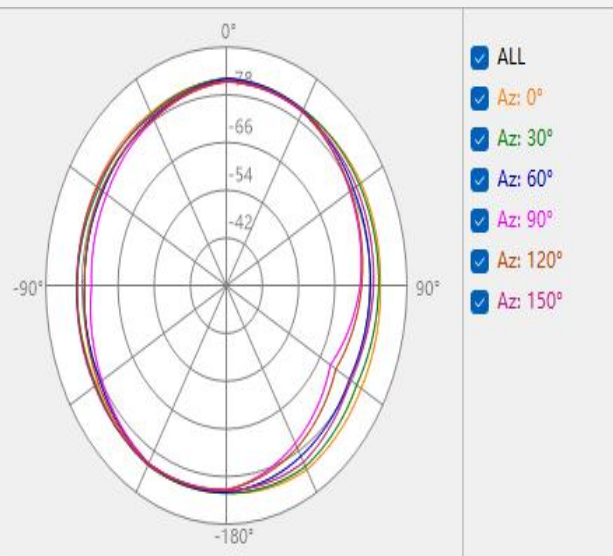
Result L-TRP



3.Test

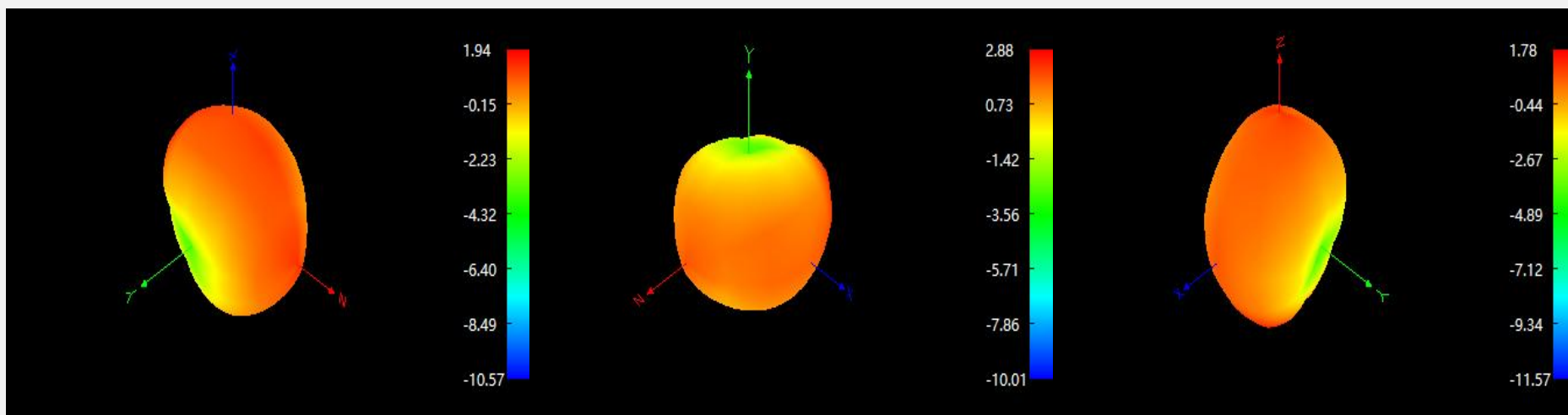
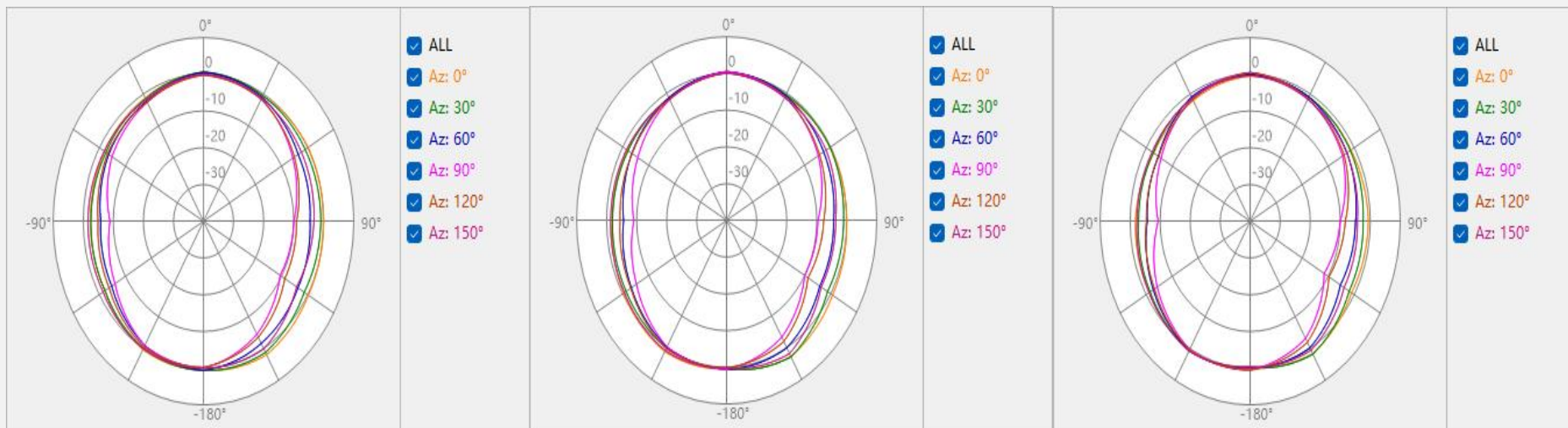
Result

L-TIS



3.Test

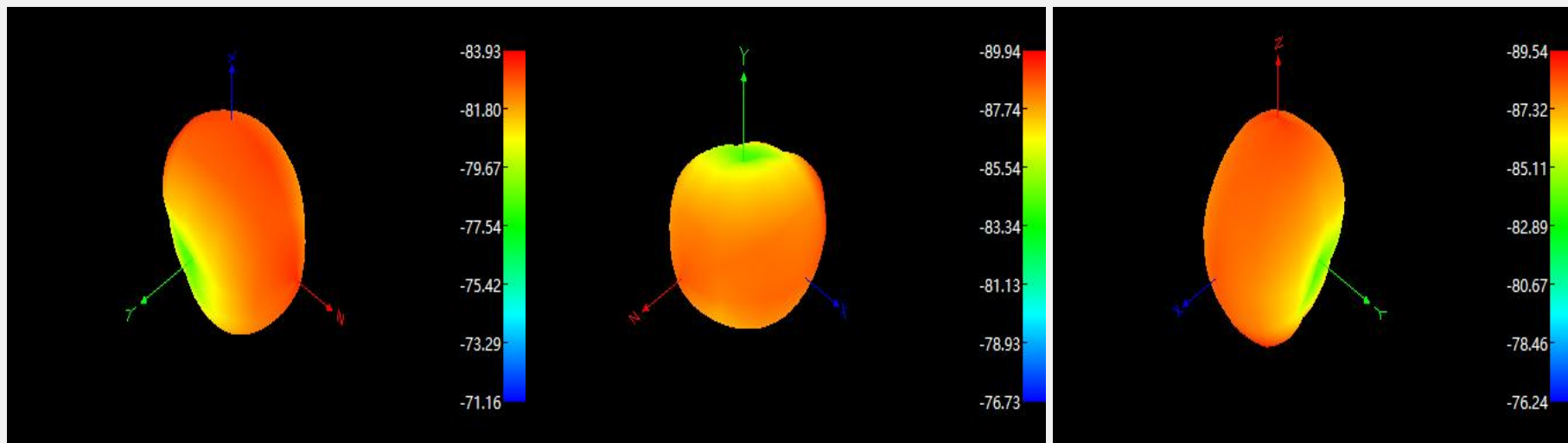
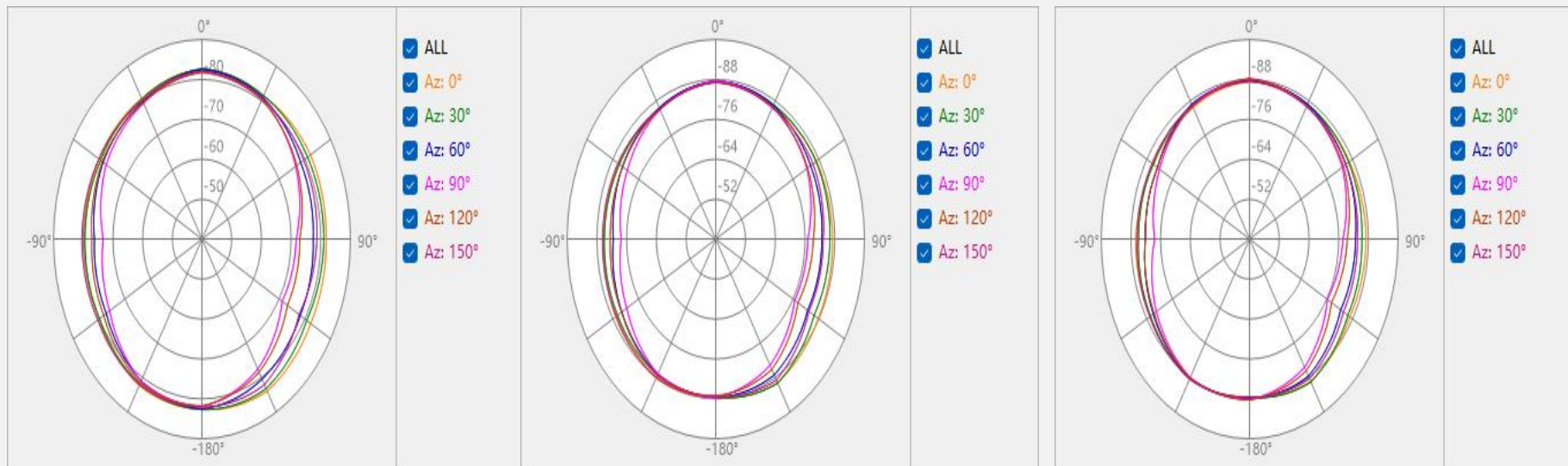
Result R-TRP



3.Test

Result

R-TIS



Thank you!