

# Antenna Test Report

Customer	Cadris
Project	NC25
Antenna Revision	A0
Prepared by	15993920520
Checked by	17279710721
Date:	2023.09.14

## ***Purpose***

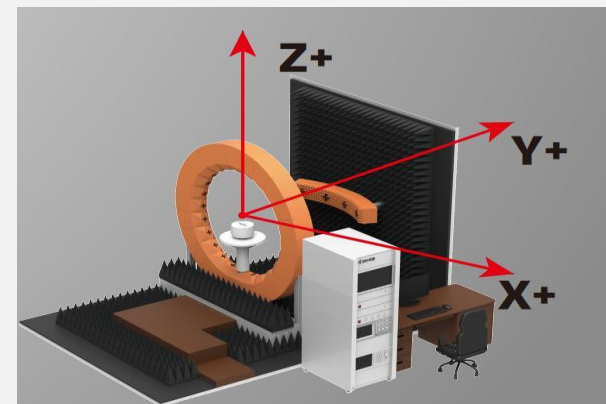
This report is to measure the performance of antenna for **NC25** The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

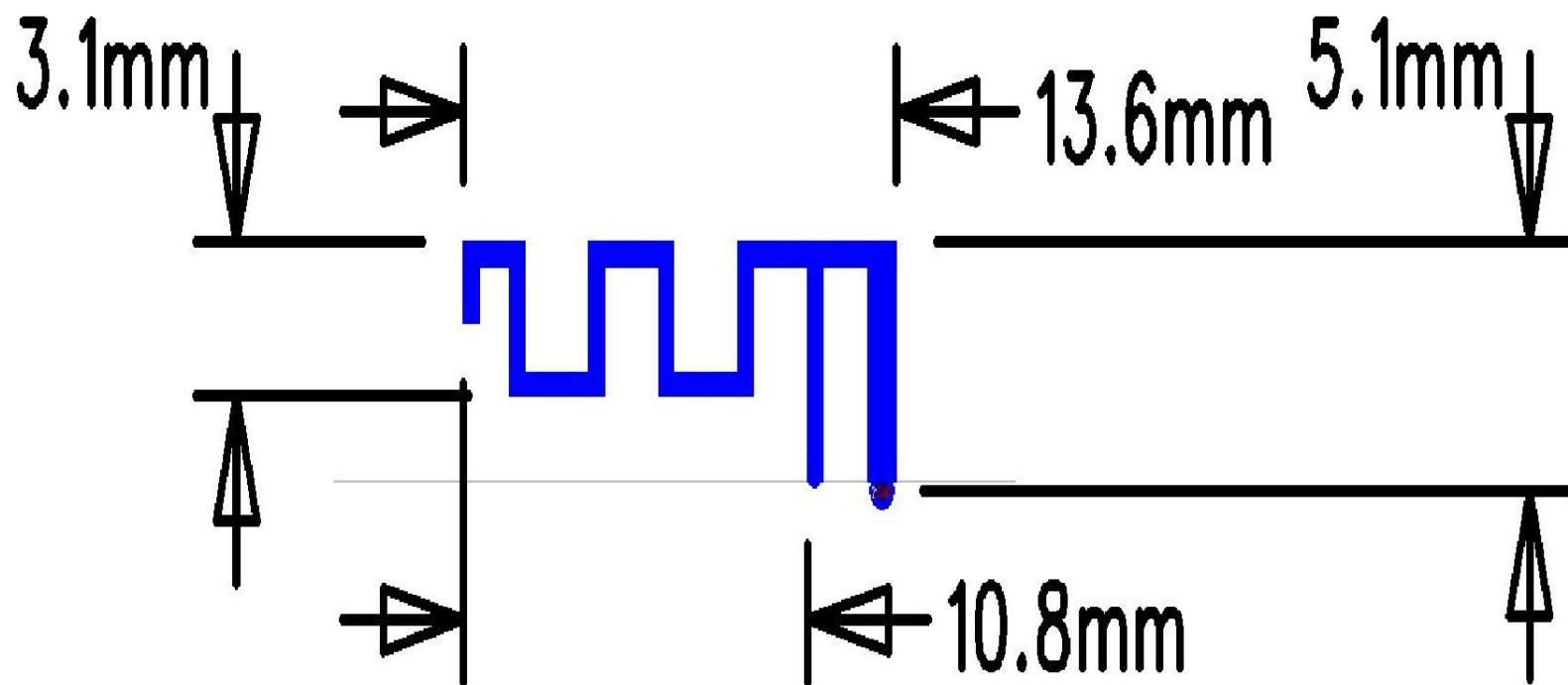
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## 1. Test System

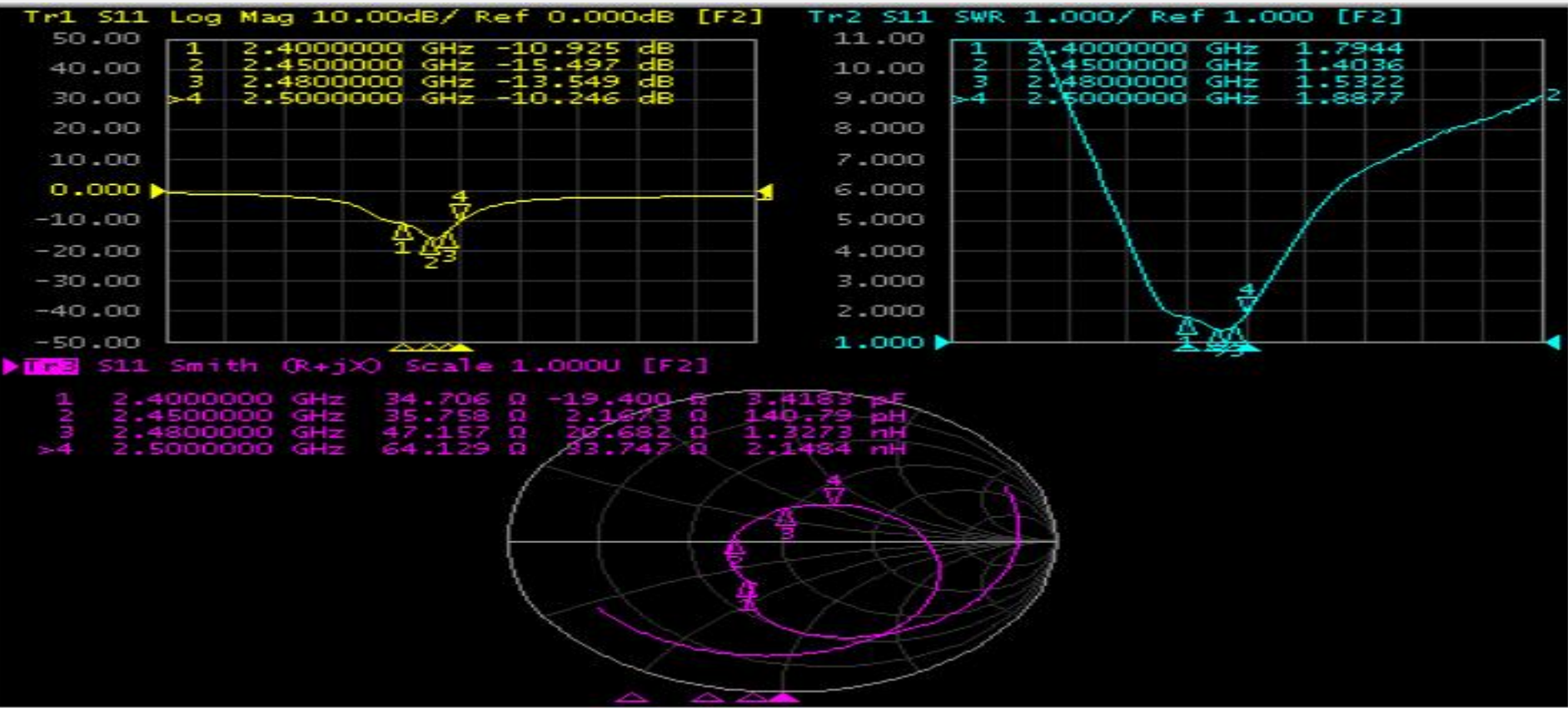
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C





## 3. Test Result

### 3.1 S11 Parameter-VSWR



requeency (MHz)	2400	2450	2480	2500
VSWR	1.79	1.40	1.53	1.88

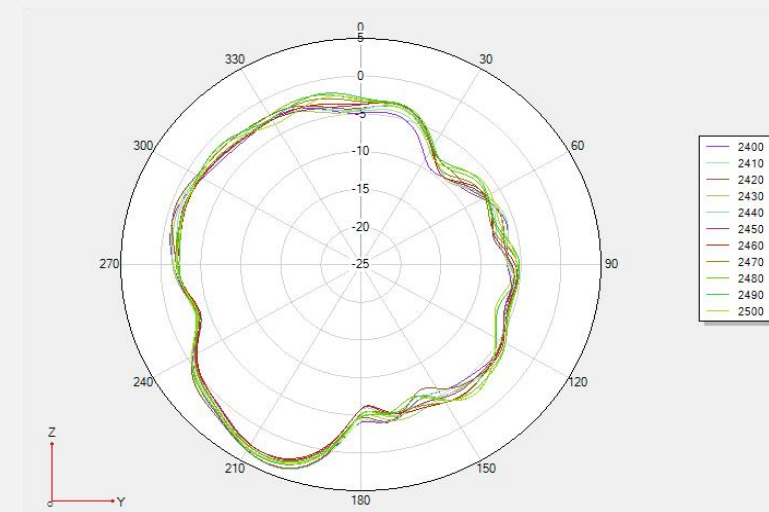
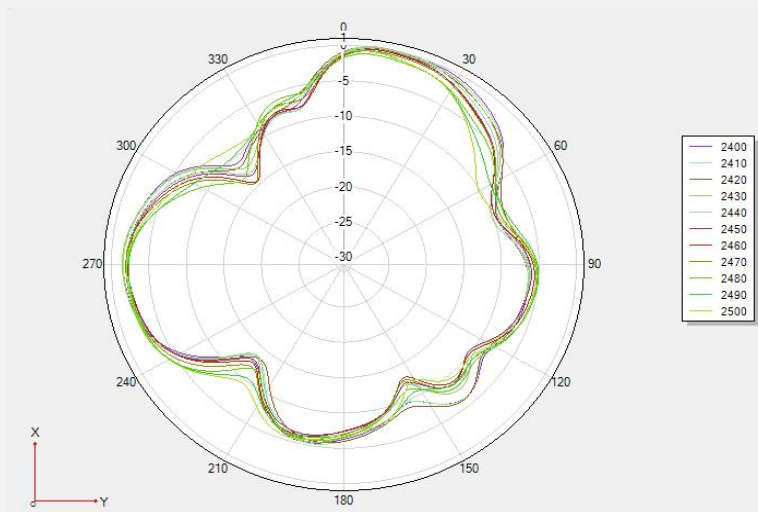
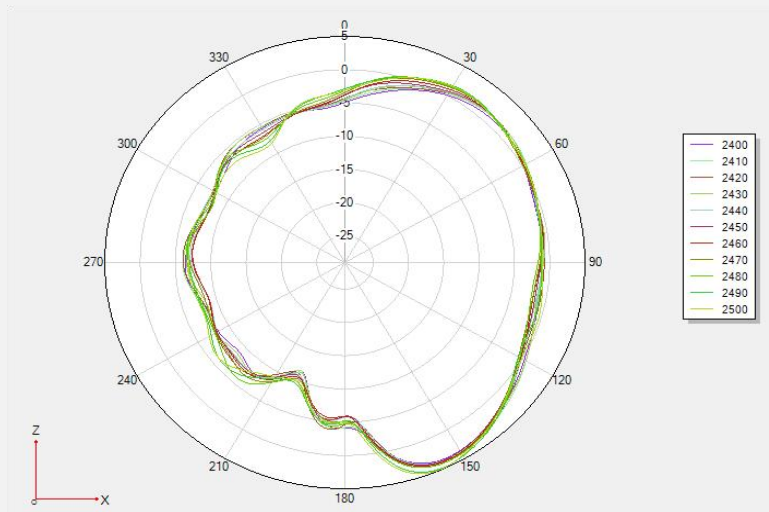
## 3. Test Result

### 3.2 Gain & Efficiency——ANT

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	45.53	3.31
2410	47.93	3.33
2420	48.05	3.24
2430	46.32	3.57
2440	44.97	3.32
2450	44.64	3.28
2460	44.53	3.51
2470	45.08	3.48
2480	46.77	3.51
2490	46.55	3.67
2500	44.21	3.52

## 3. Test Result

### 3.3 2D Pattern — BT ANT



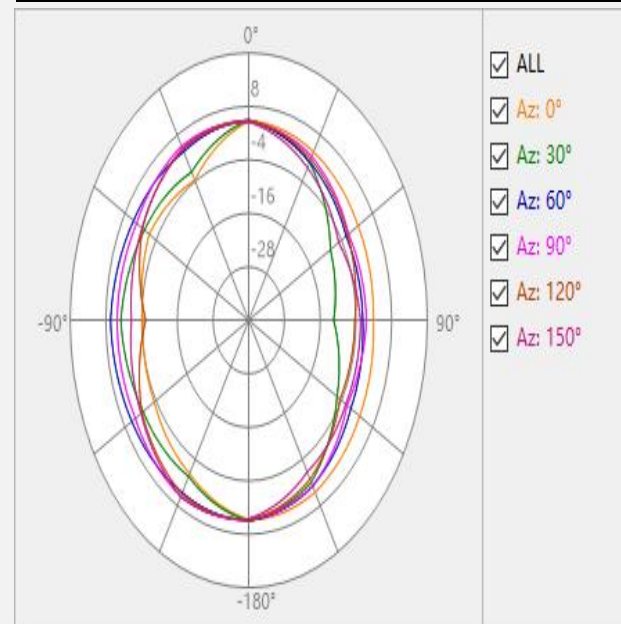
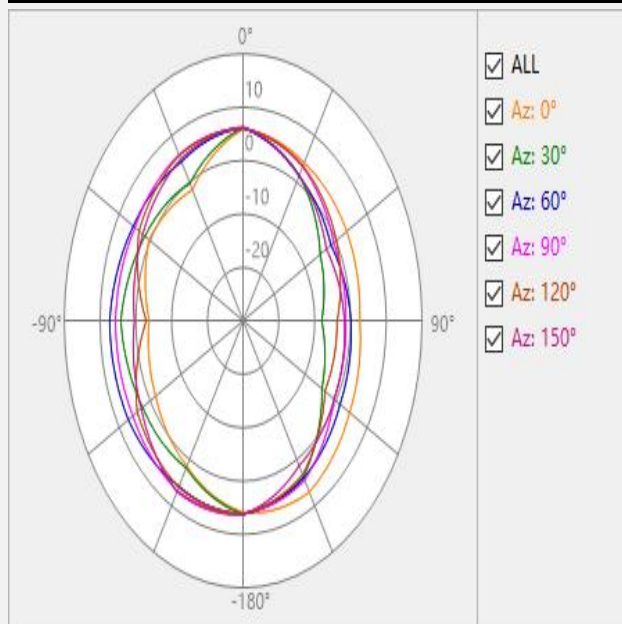
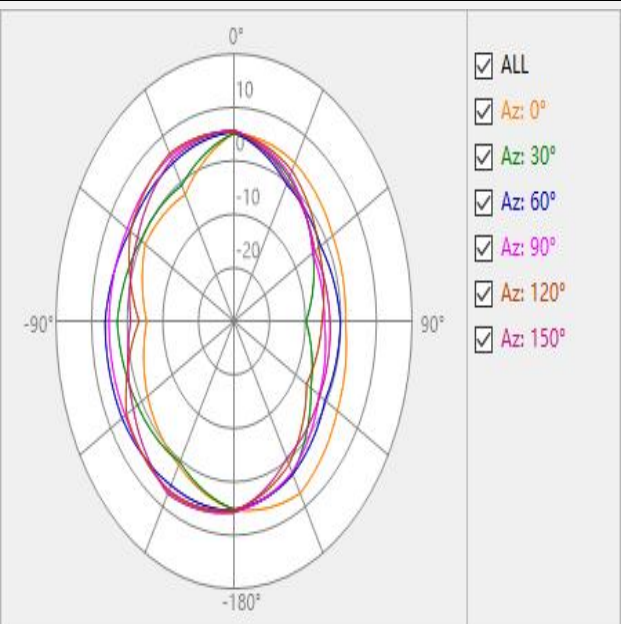
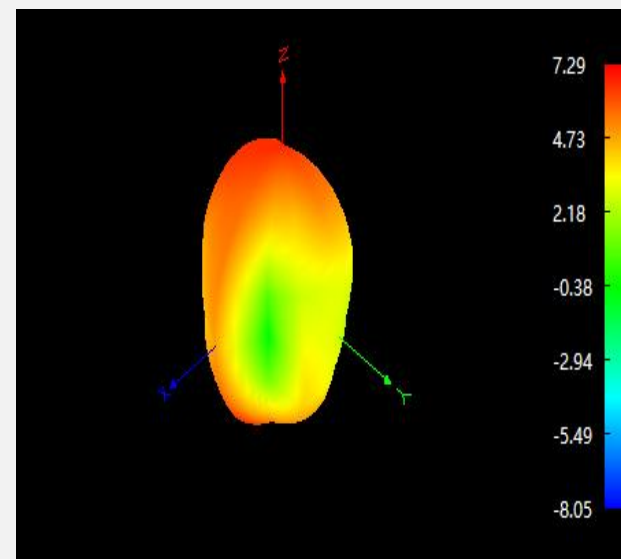
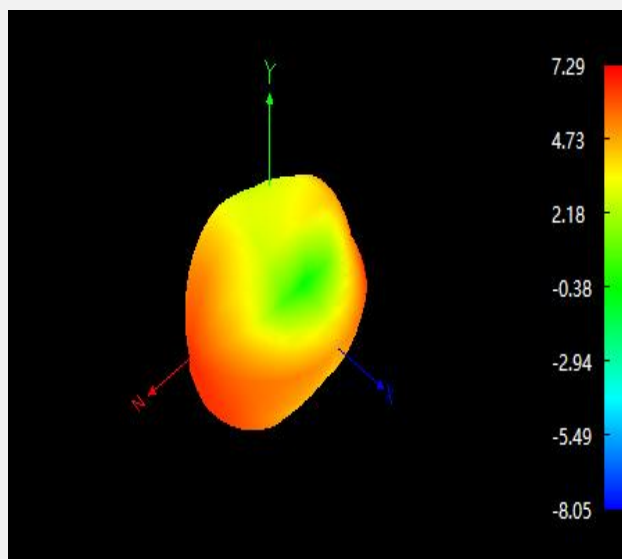
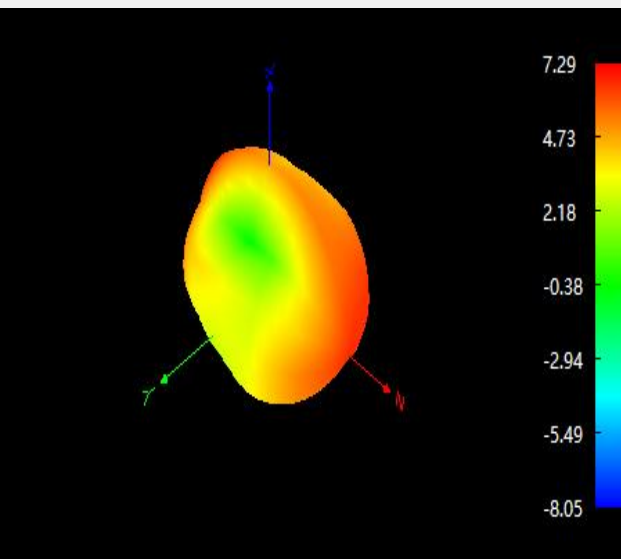
## OTA Data

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band		Channel	TRP(dBm)	TIS(dBm)
BT		0	2.21	-89.86
		39	3.48	-90.48
		78	2.78	-89.94



## 3.Test

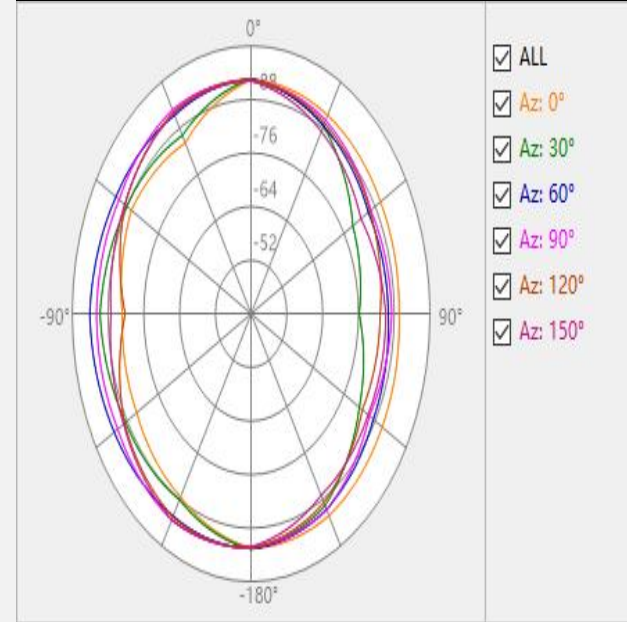
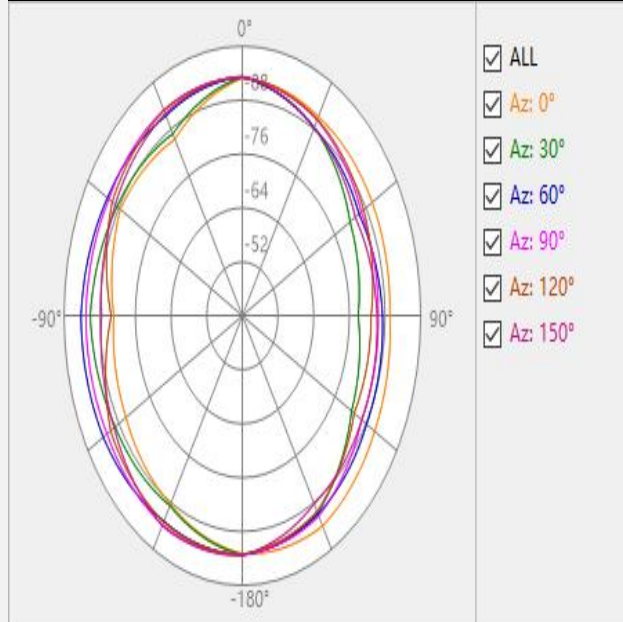
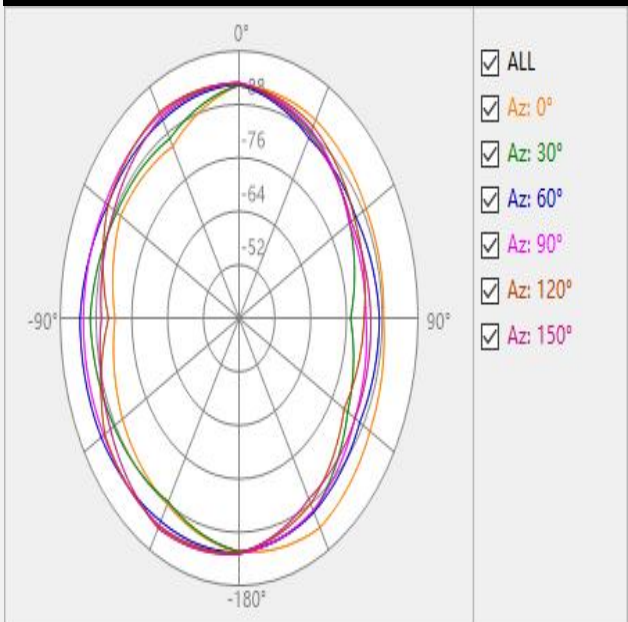
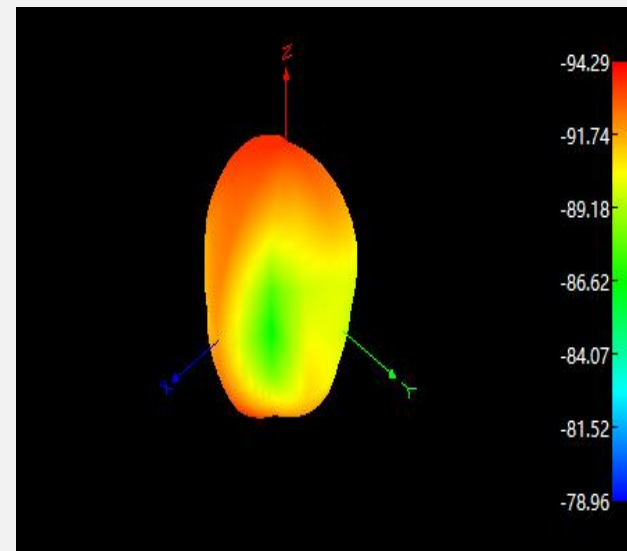
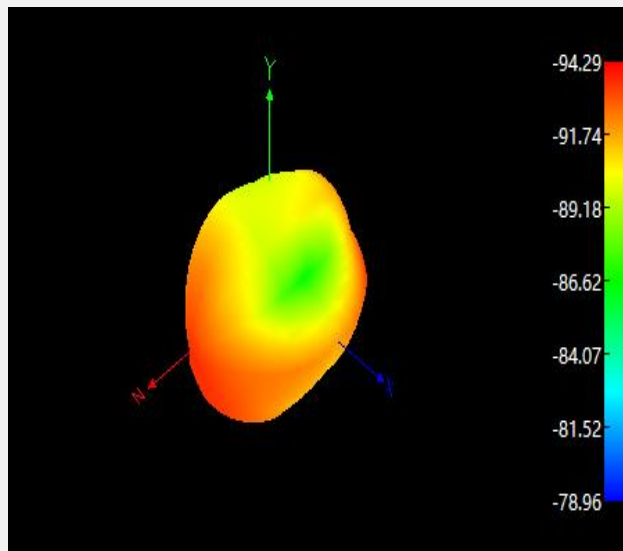
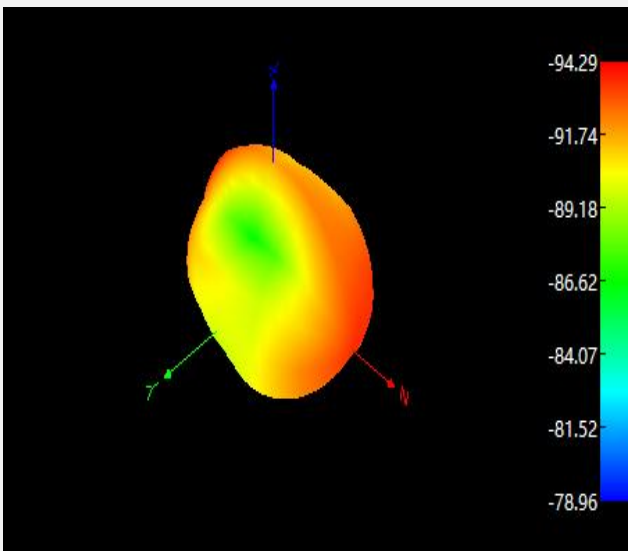
## Result TRP



## 3.Test

## Result

### TIS



*Thank you!*