

Antenna Test Report



Customer	佳利得
Project	7018
Antenna Revision	A0
Prepared by	15993920520
Checked by	17279710721
Date	2024. 7. 8

Purpose

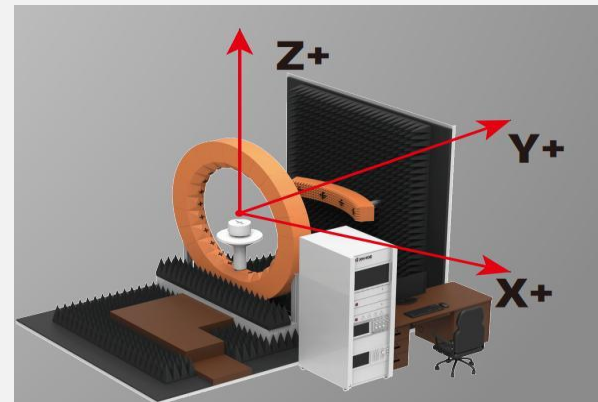
This report is to measure the performance of antenna for 7018 The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

Content

- 1.Test system
- 2.Product Overview & Dimension L&R
- 3.Test Result
- 4.OTA Data

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



2.1 Product Overview & Dimension

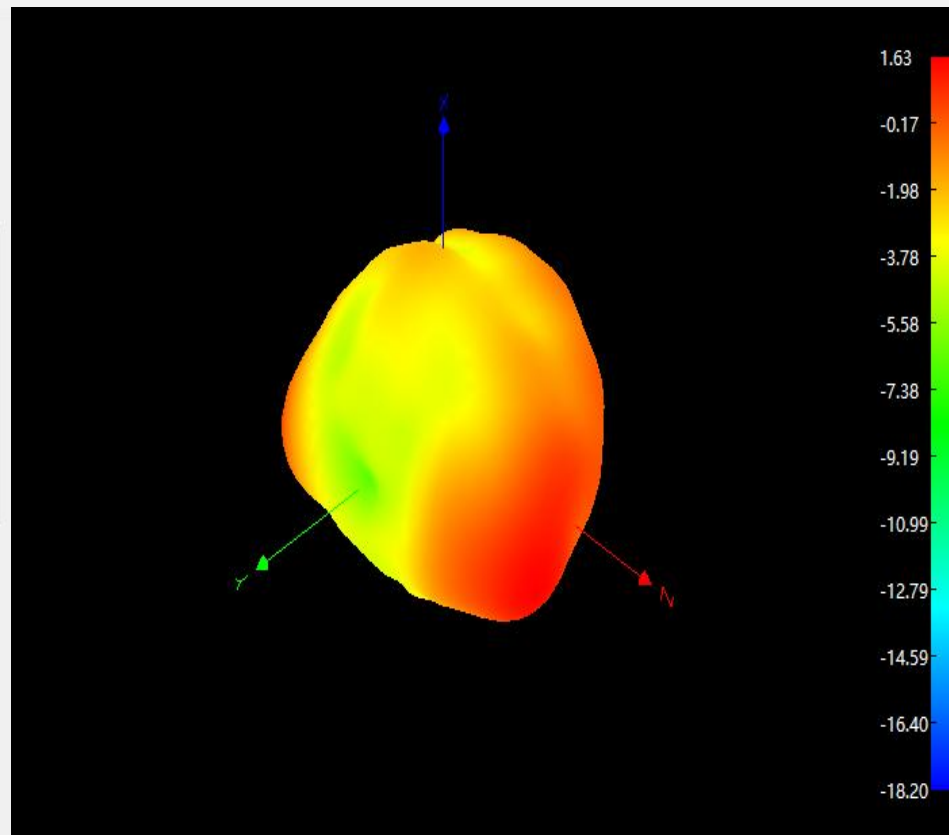
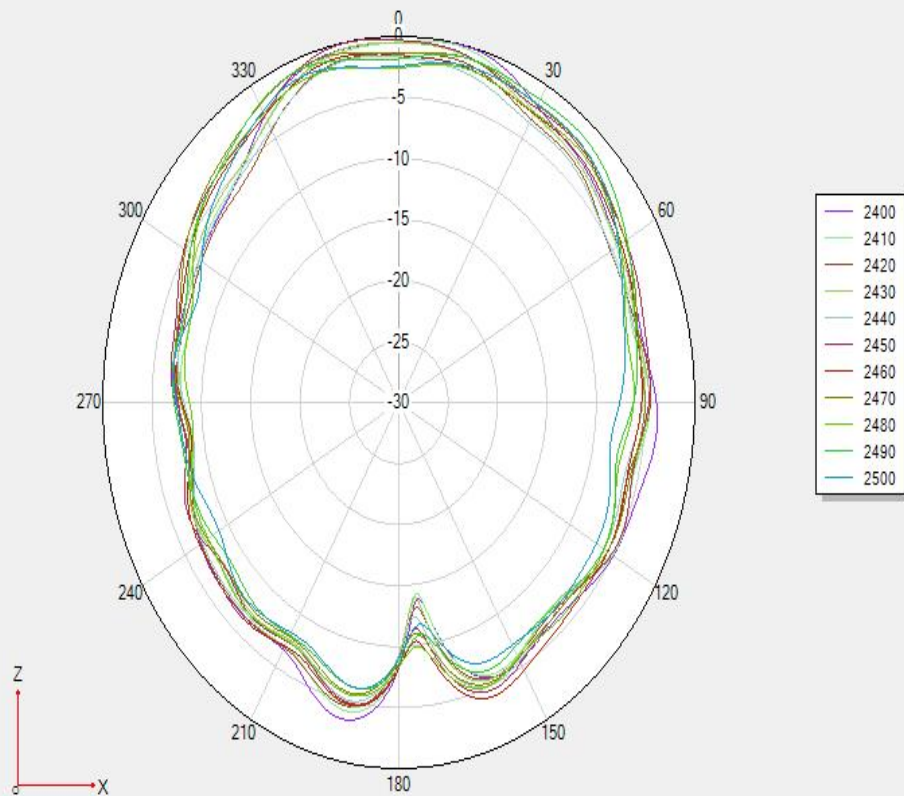


3.Test Result

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	35.42	1.63
2410	31.48	1.55
2420	29.65	0.93
2430	31.70	1.53
2440	29.31	0.57
2450	36.48	2.02
2460	33.42	0.95
2470	33.81	1.39
2480	29.31	0.47
2490	32.51	1.06
2500	27.86	0.06

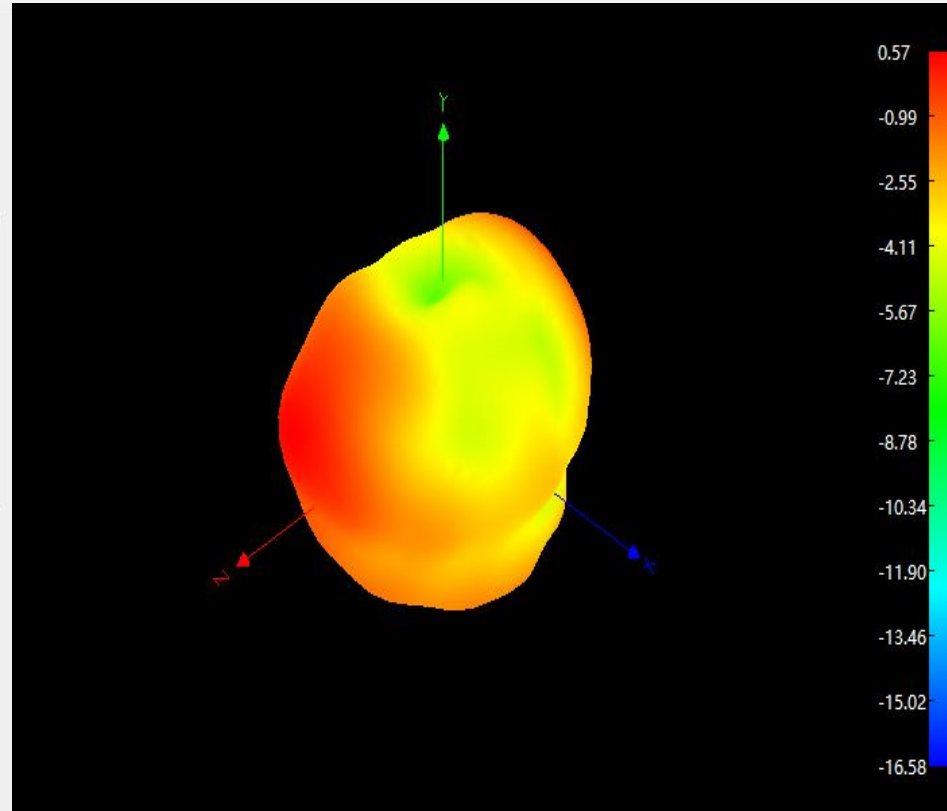
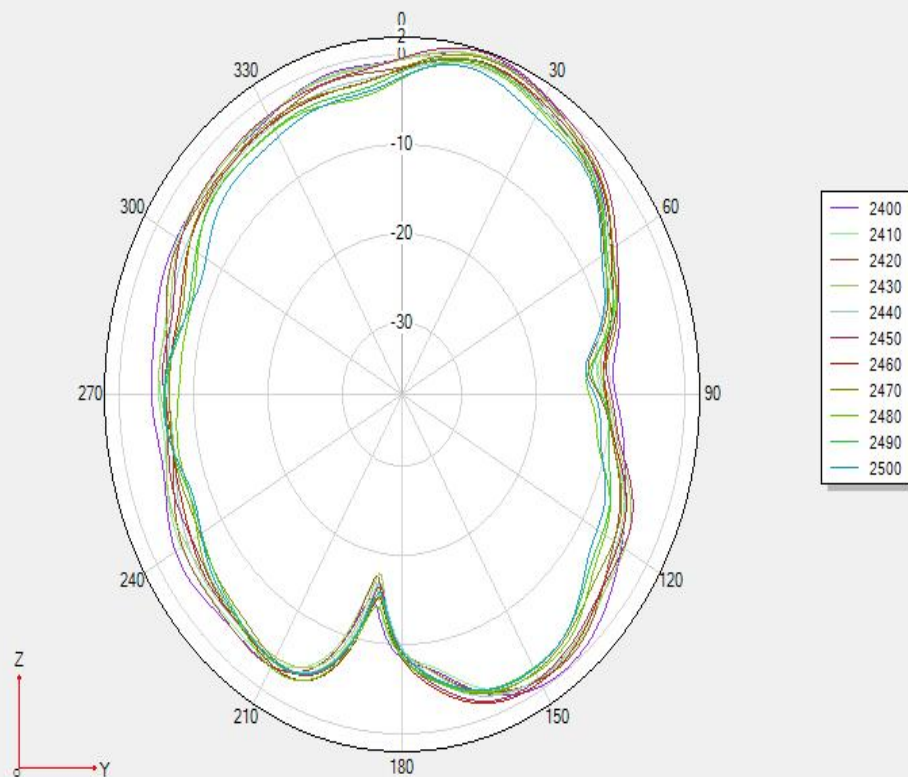
3. Test Result

3.1 2D Pattern——BT ANT



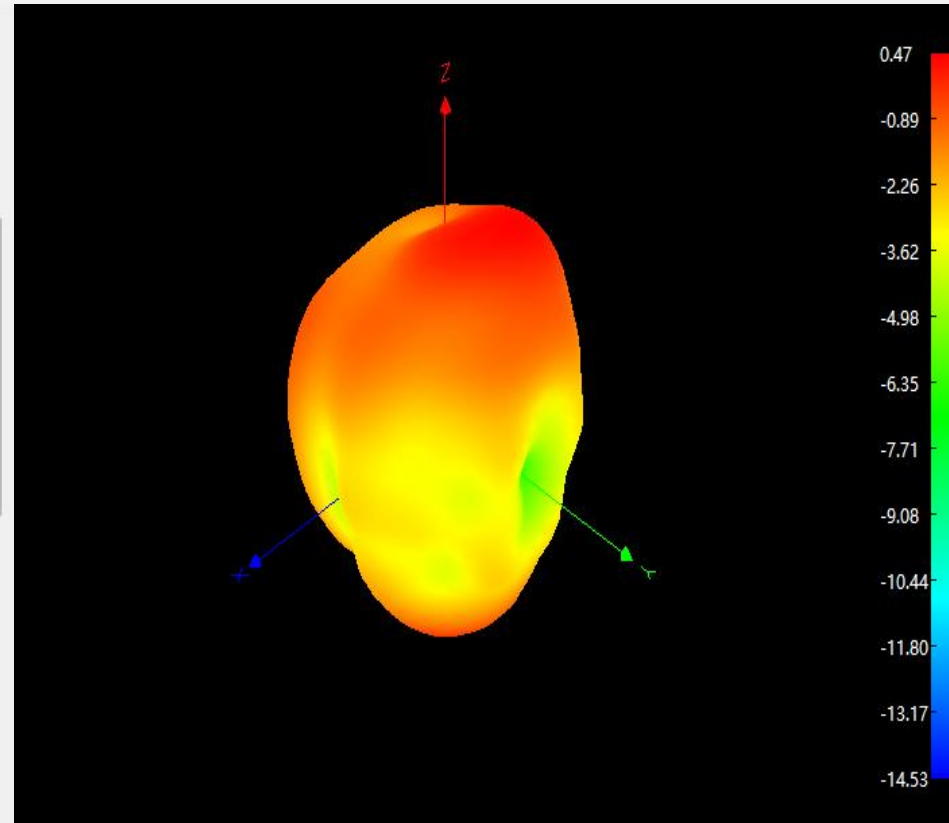
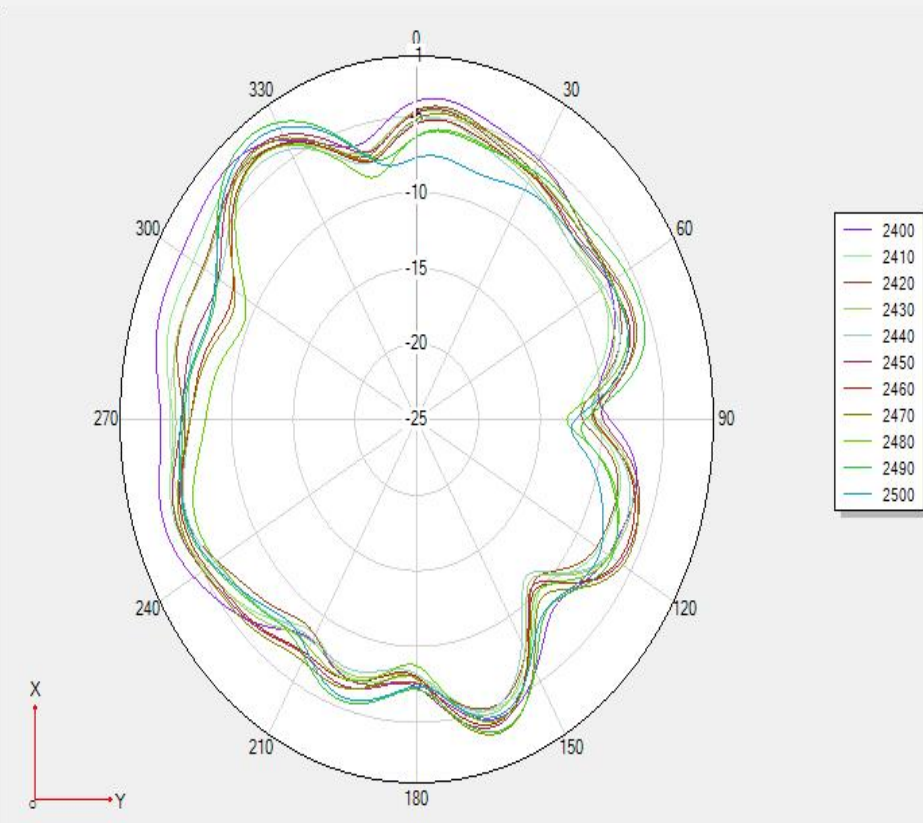
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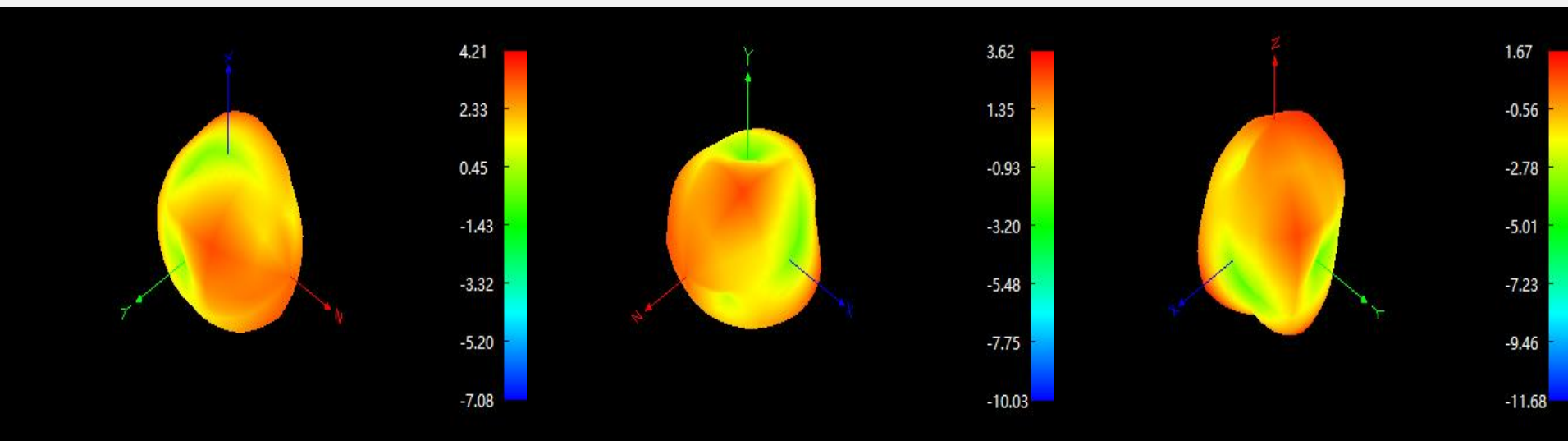
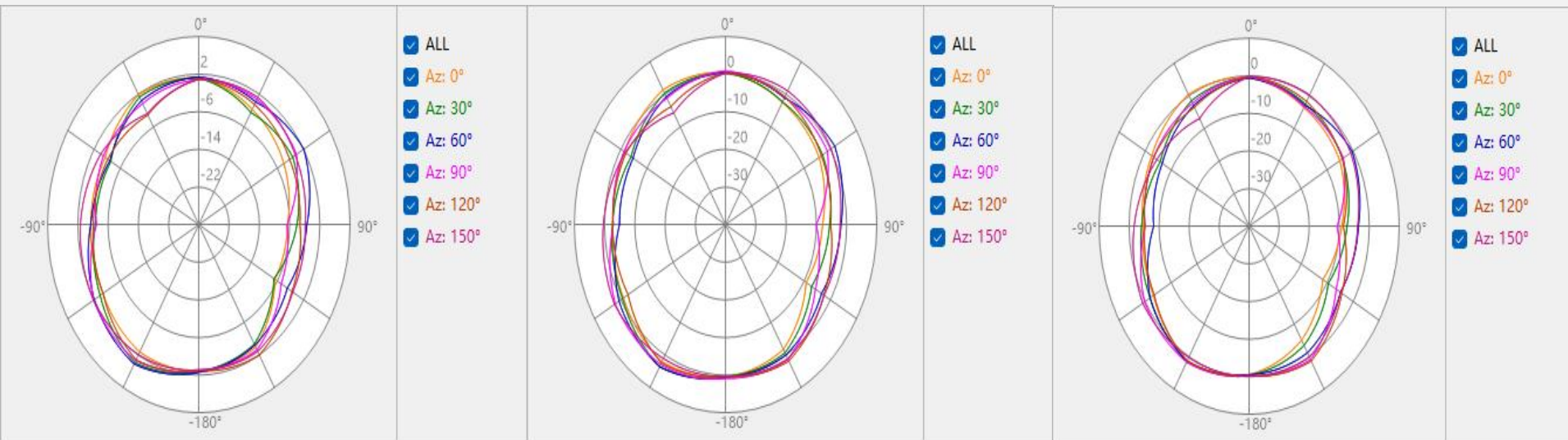


4.OTA Data

Test Equipment:	R&S CMW500		
Test Condition:	3D chamber		
Band	Channel	TRP(dBm)	TIS(dBm)
BT	0	0.13	-87.43
	39	-0.49	-88.04
	78	-2.07	-86.79

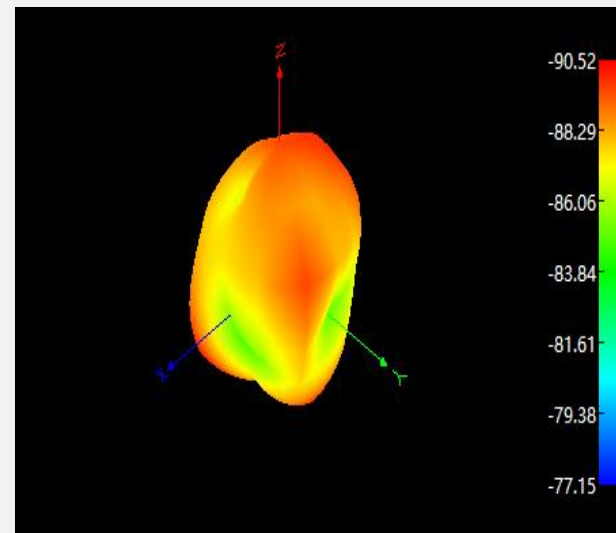
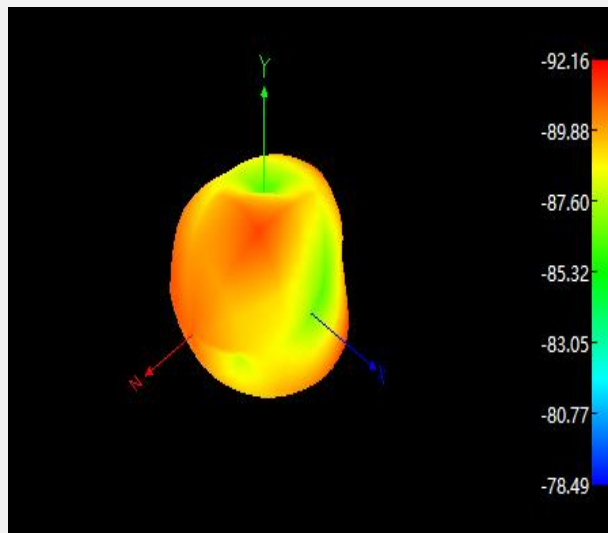
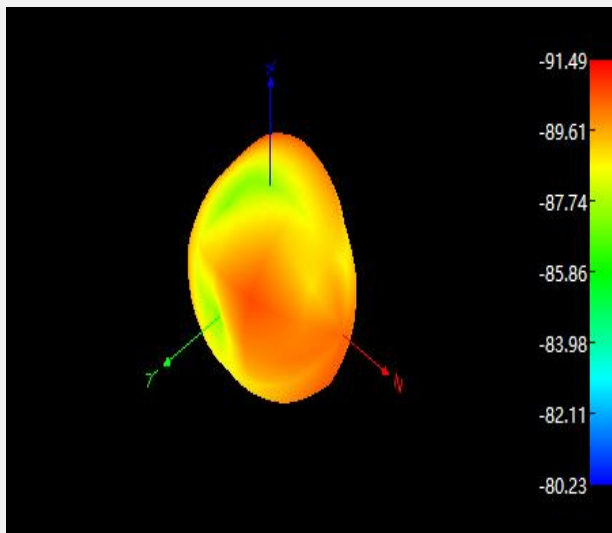
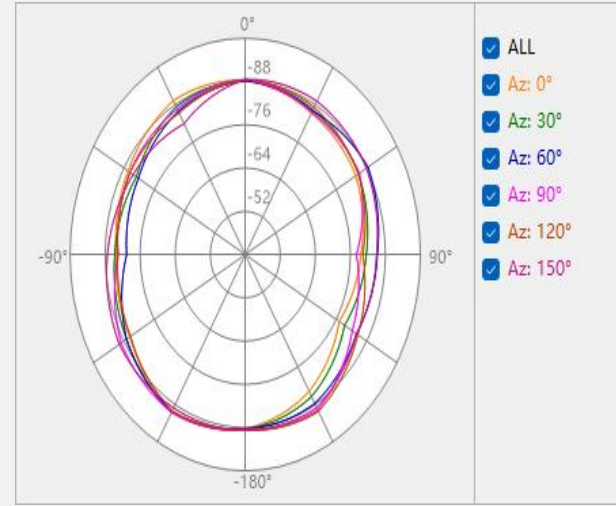
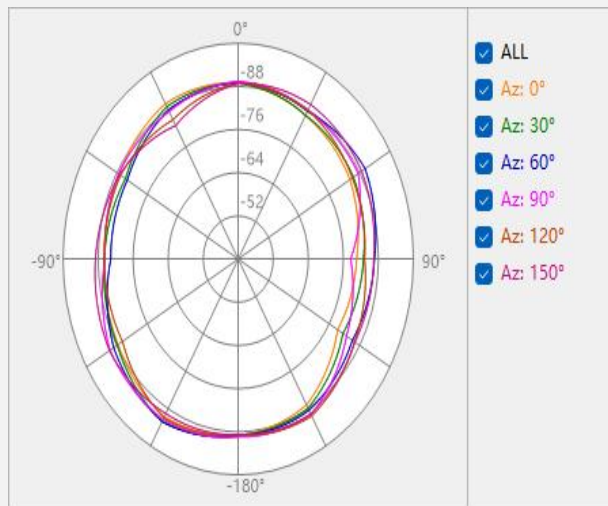
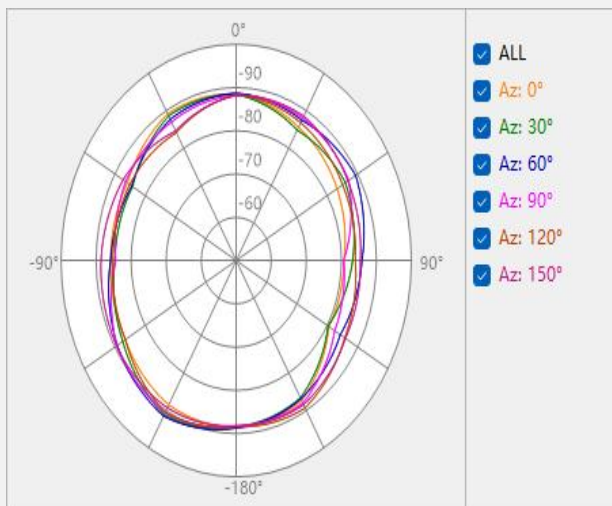
4. Test Result

TRP



4. Test Result

TIS



Thank you!