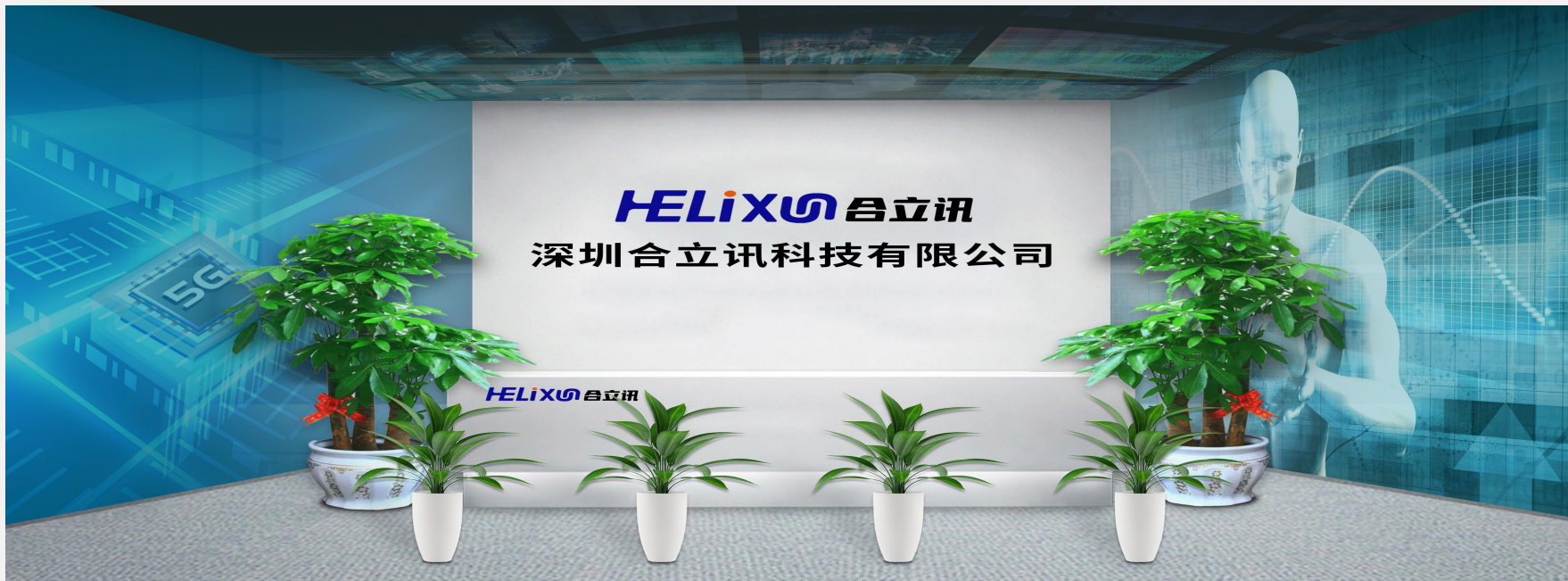


Antenna Test Report



Customer	飞科杰
Project	F6
Antenna Revision	A0
Prepared by	15993920520
Checked by	17279710721
Date	2024. 4. 26

Purpose

This report is to measure the performance of antenna for **F6** The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

Content

1. Test system

2. Product Overview & Dimension

2.1 Test Result VSWR&Log Mag&Smith(Ω)

3. Test Result

3.1 Gain & Efficiency——ANT

3.2 2D Pattern——BT ANT

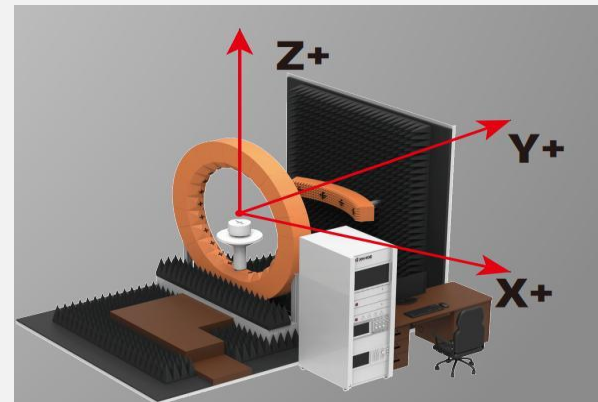
4. OTA Data

4.1 Test Result

4.2 Test Result

1. Test System

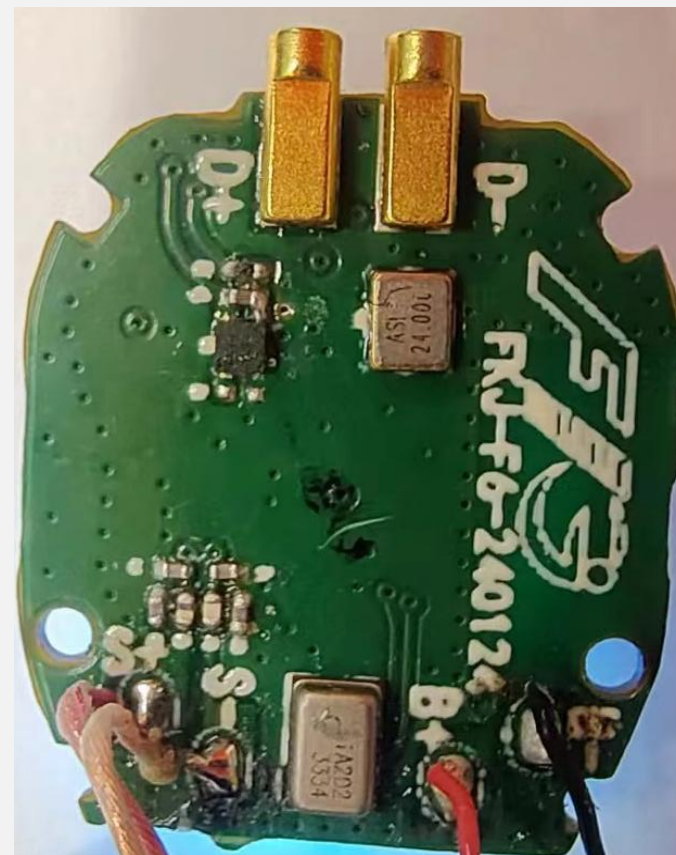
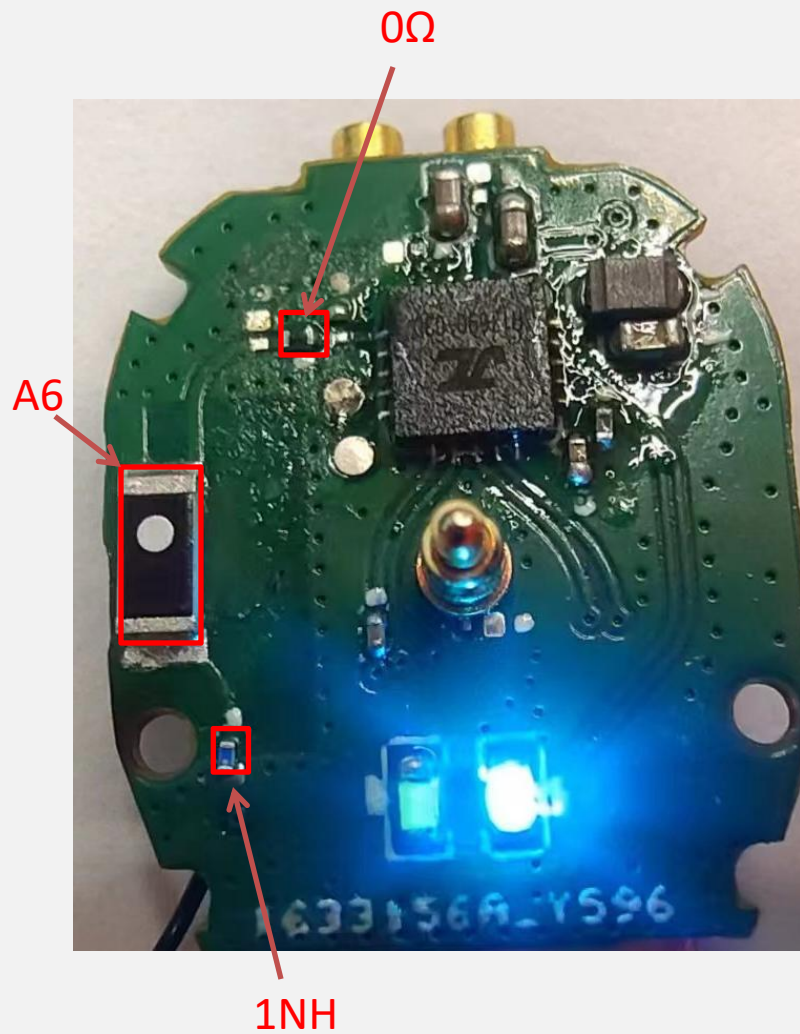
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C



2.Product Overview & Dimension

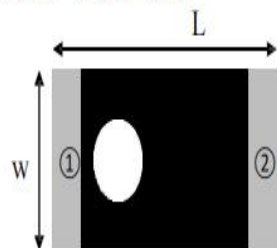


L-R 共用匹配



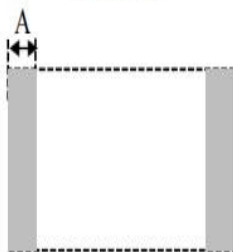
P/N: HLX321605A6

Dimensions (Unit: mm)



(Top View)

Number	Terminal Name
①	INPUT
②	NC



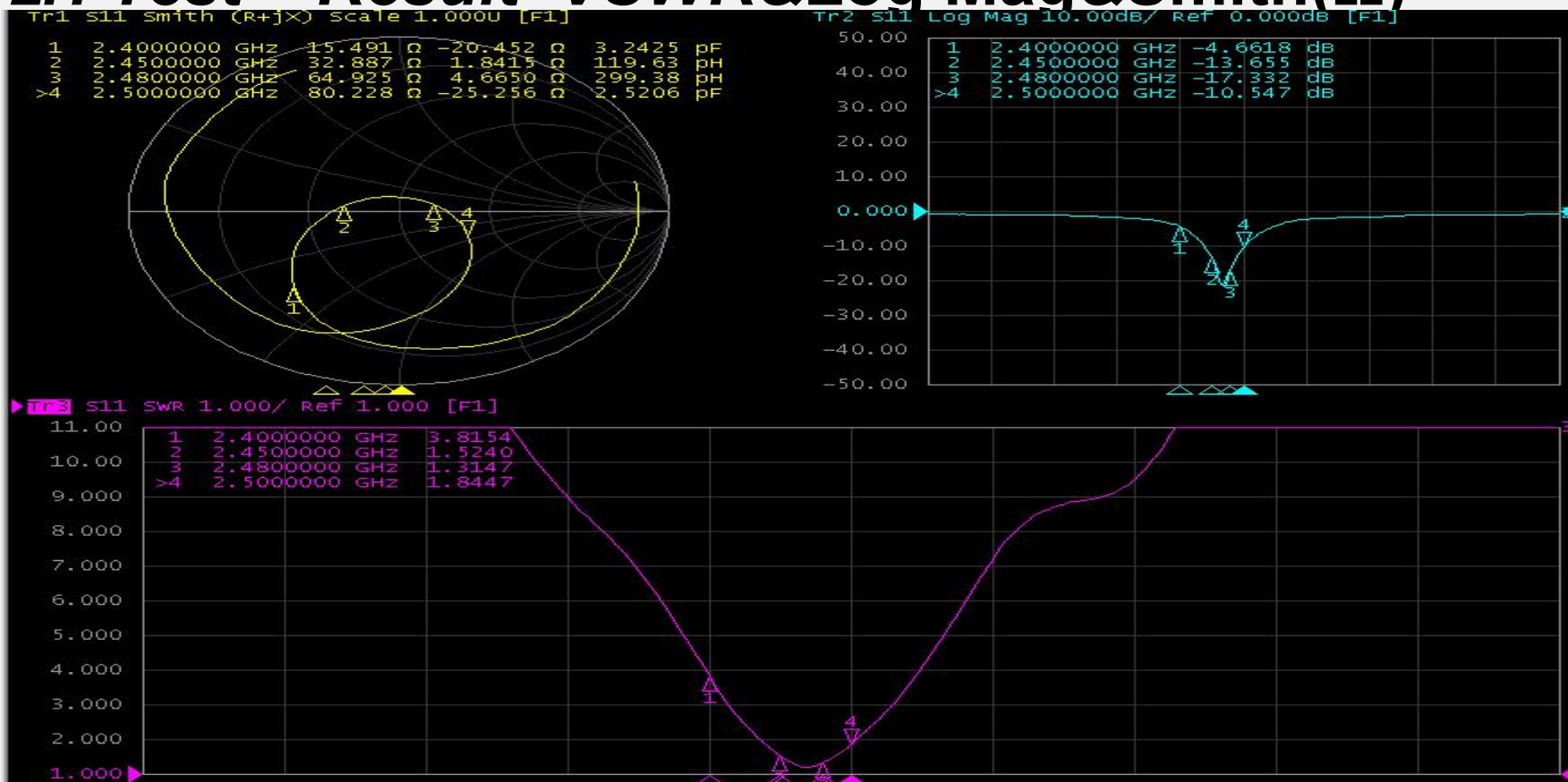
(Bottom View)



(Side View)

Symbols	L	W	T	A
Dimensions	3.2 $\pm$ 0.2	1.6 $\pm$ 0.2	0.5 $\pm$ 0.1	0.4 $\pm$ 0.1

2.1 Test Result VSWR&Log Mag&Smith(Ω)



Frequency (MHz)	2400	2450	2480	2500
Smith(Ω)	15.49	32.88	64.92	80.22
Log Mag	-4.66	-13.65	-17.33	-10.54
VSWR	3.81	1.52	1.31	1.84

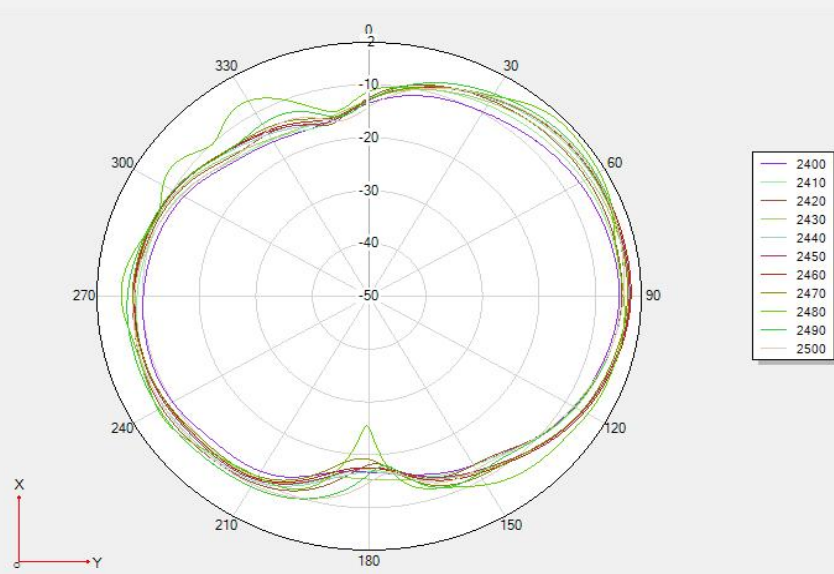
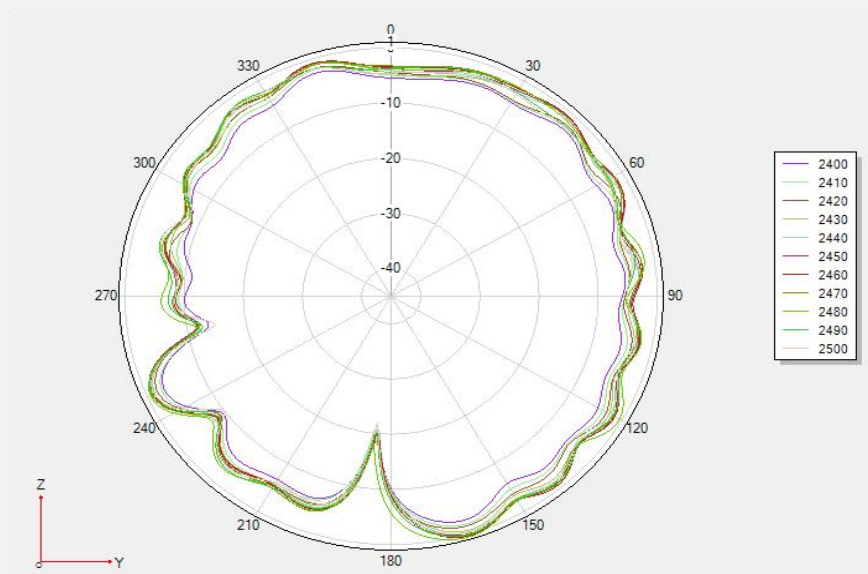
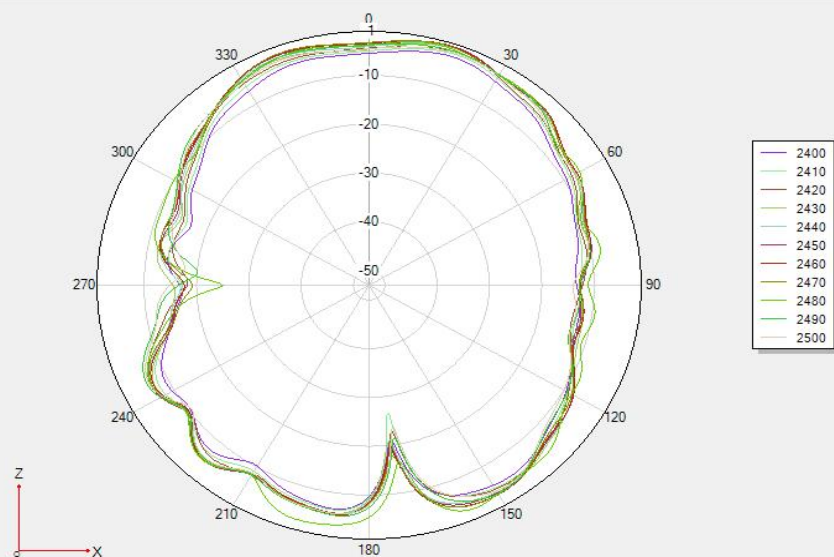
3. Test Result

3.1 Gain & Efficiency—**ANT**

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	16.79	-4.42
2410	18.49	-4.27
2420	19.41	-3.97
2430	19.88	-3.80
2440	20.78	-2.42
2450	20.60	-2.13
2460	19.49	-2.24
2470	18.43	-3.23
2480	18.41	-3.74
2490	17.35	-3.98
2500	16.06	-3.70

3. Test Result

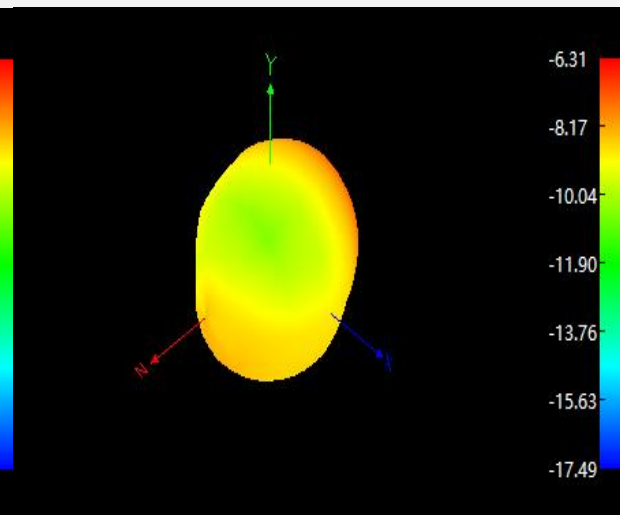
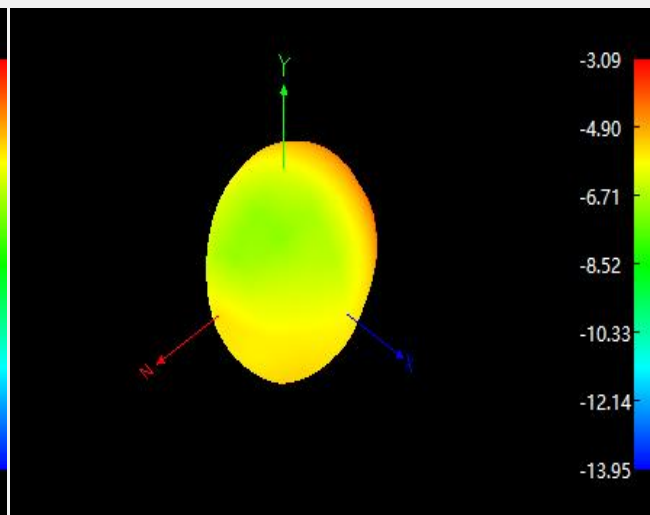
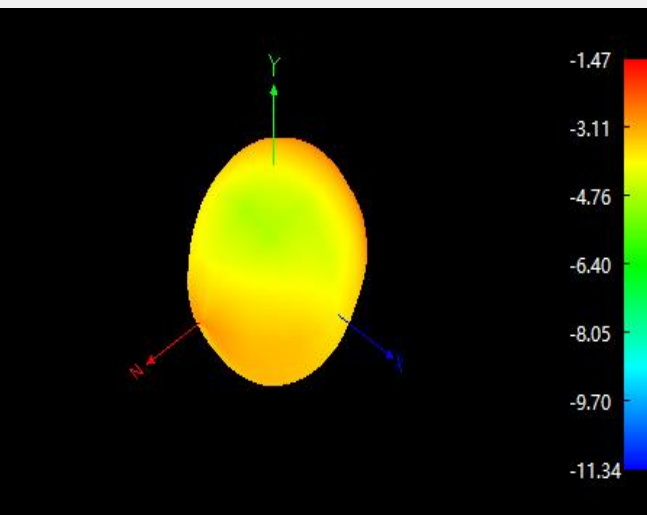
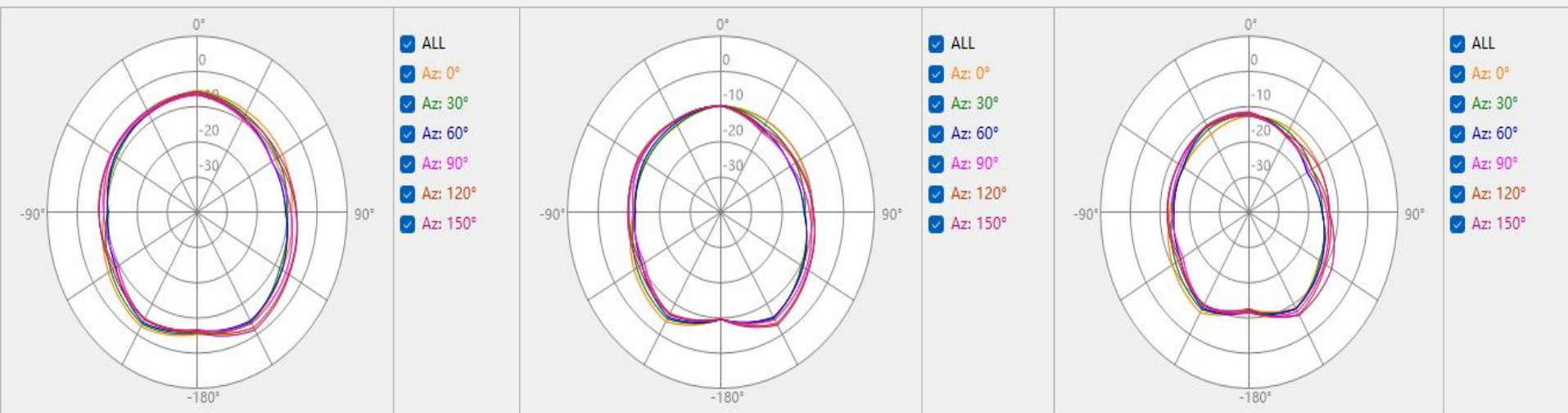
3.2 2D Pattern — BT ANT



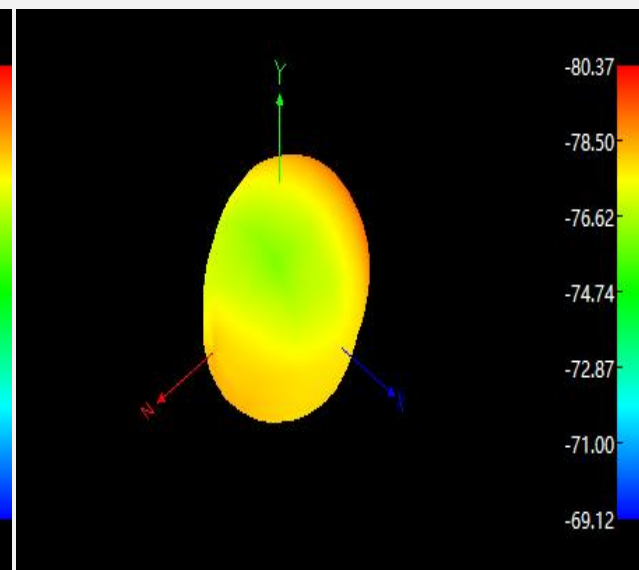
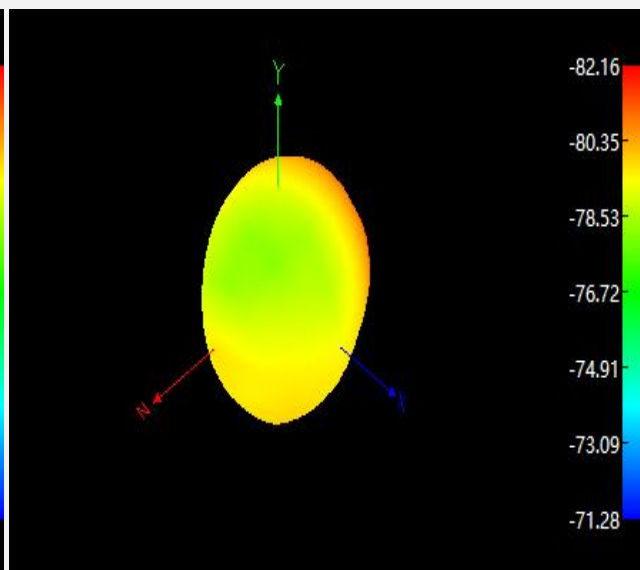
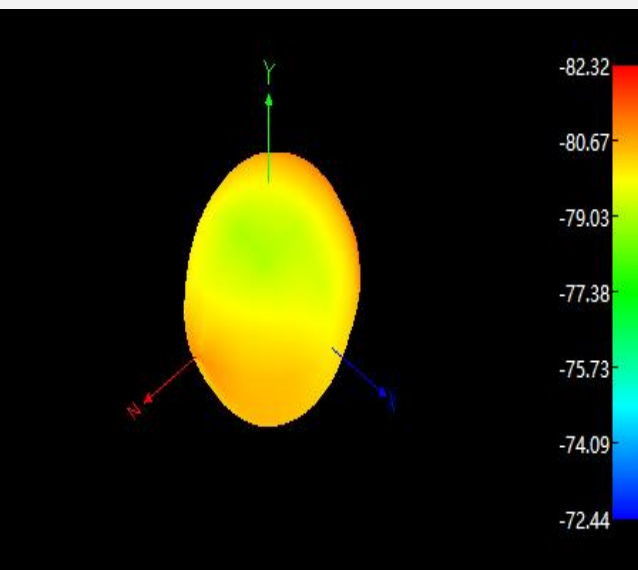
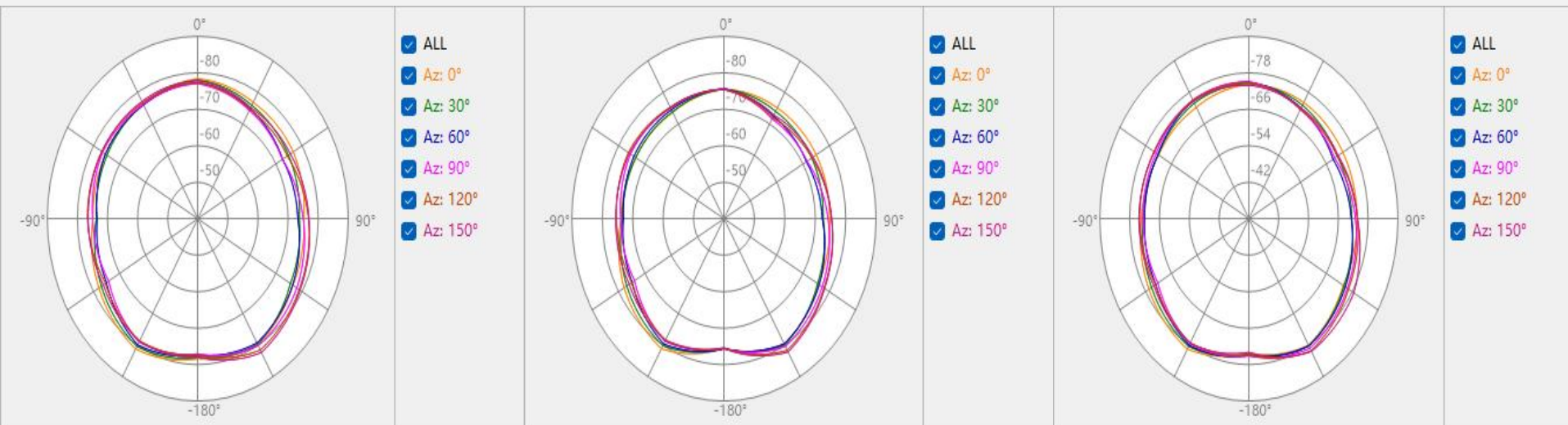
4.OTA Data

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band		Channel	TRP(dBm)	TIS(dBm)
BT		0	-4.3	-78.49
		39	-3.45	-79.86
		78	-2.24	-77.43

4.1 Test Result



4.2 Test Result



Thank you!