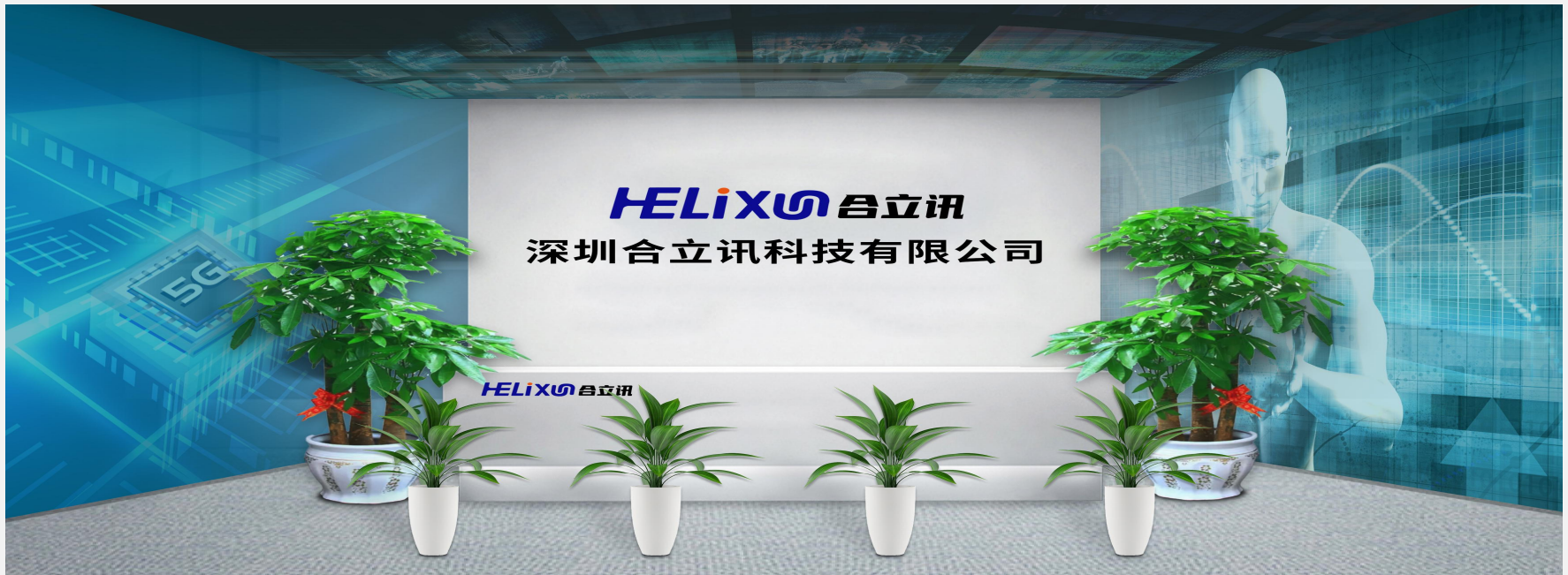


Antenna Test Report



Customer	佳利得
Project	A500
Antenna Revision	A0
Prepared by	15993920520
Checked by	17279710721
Date	2023. 12. 11

Purpose

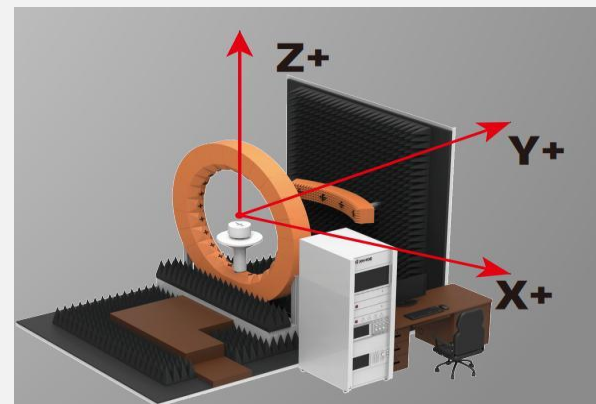
This report is to measure the performance of antenna for **A500** The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

Content

1. Test system
2. Product Overview Dimension
3. Test Result
 - 3.1 S11 Parameter
 - 3.2 Gain & Efficiency
 - 3.3 2D Pattern

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

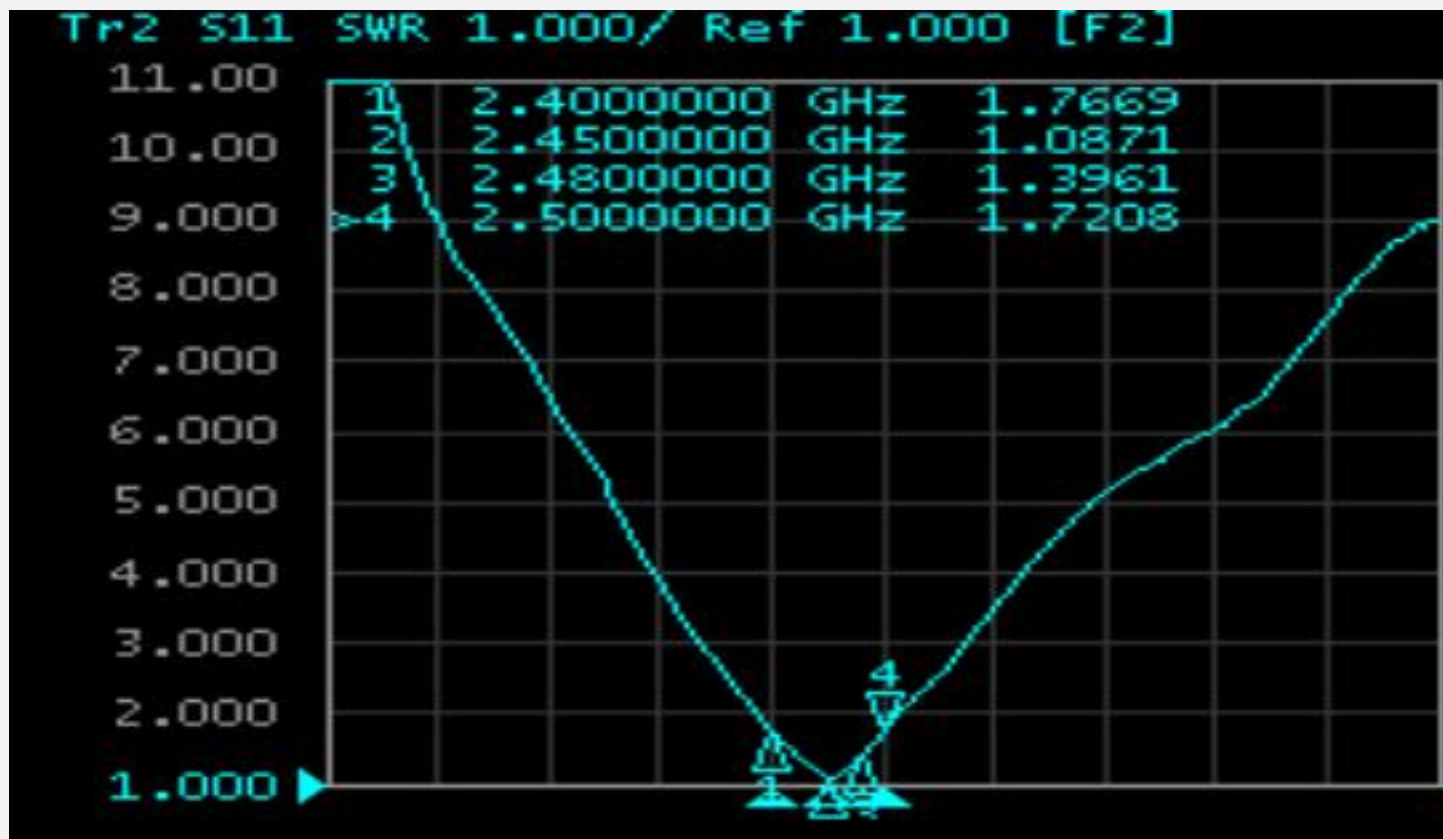


2.Product Overview & Dimension



3.Test Result

3.1 S11 Parameter-VSWR



requeency (MHz)	2400	2450	2480	2500
VSWR	1.76	1.08	1.39	1.72

3. Test Result

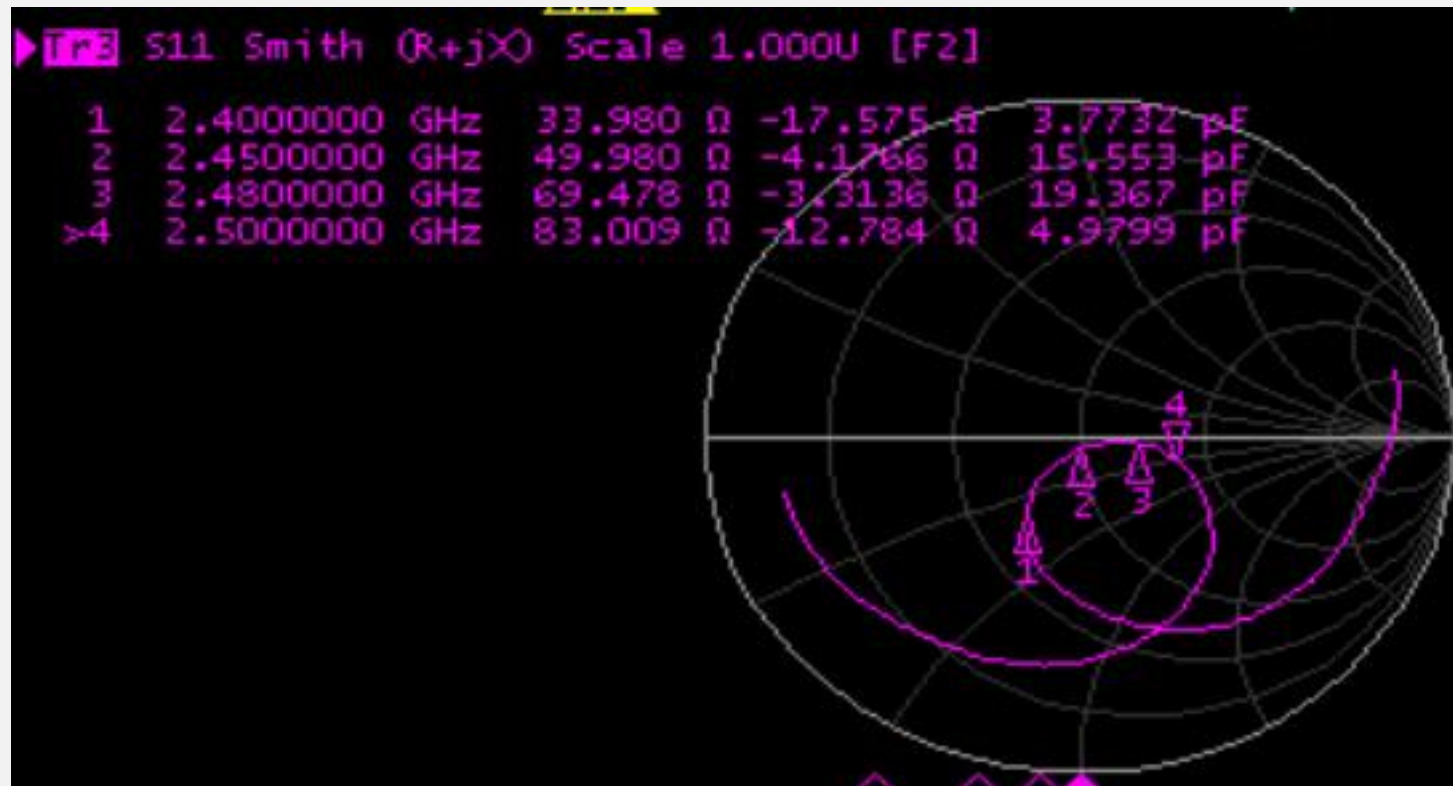
3.1 S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-11.14	-27.58	-15.63	-11.53

3.Test Result

3.1 S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smith(Ω)	33.98	49.98	69.47	83.00

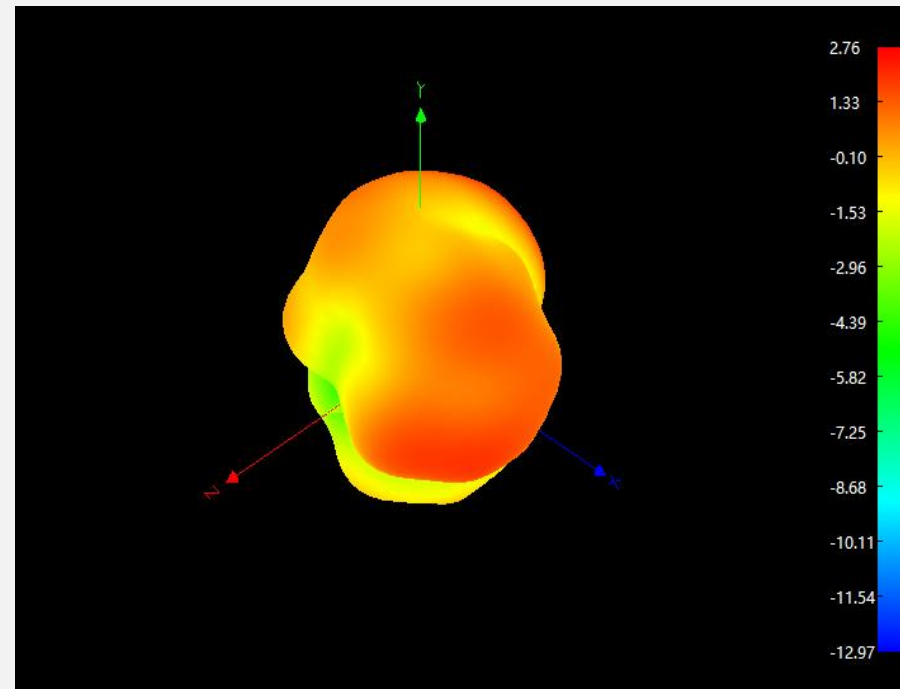
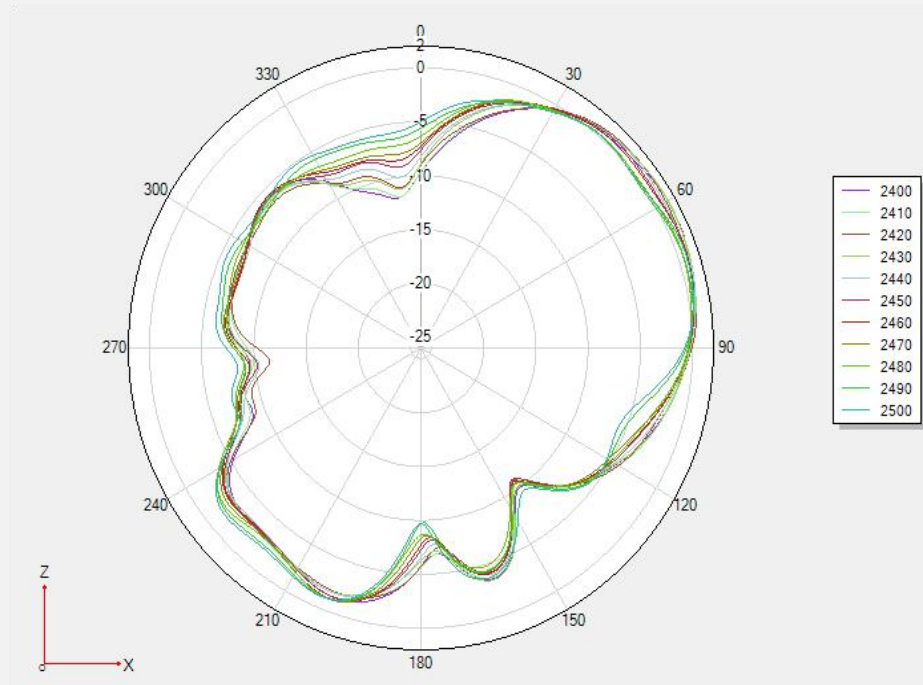
3. Test Result

3.2 Gain & Efficiency——**ANT**

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	39.31	2.76
2410	39.20	2.84
2420	40.70	2.97
2430	41.48	3.43
2440	43.33	3.40
2450	42.20	3.48
2460	43.33	3.70
2470	41.97	3.58
2480	42.21	3.59
2490	44.34	3.08
2500	45.10	3.02

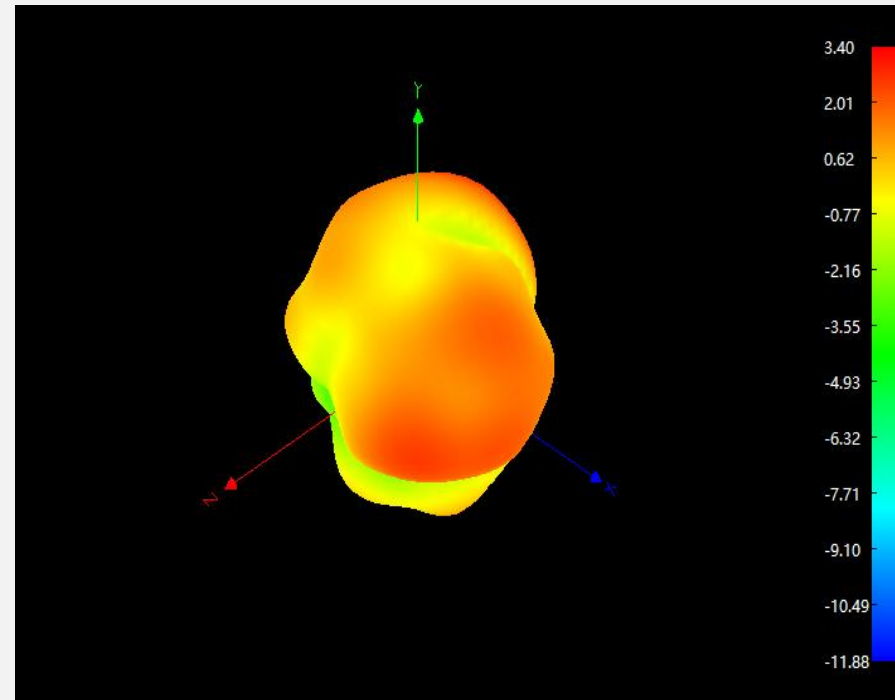
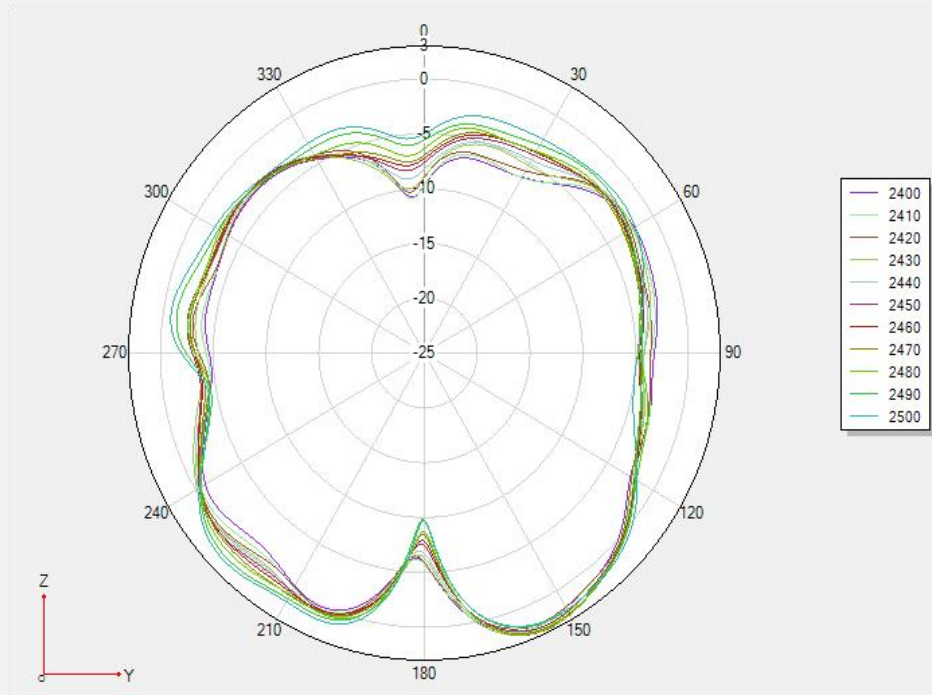
3. Test Result

3.3 2D Pattern——BT ANT



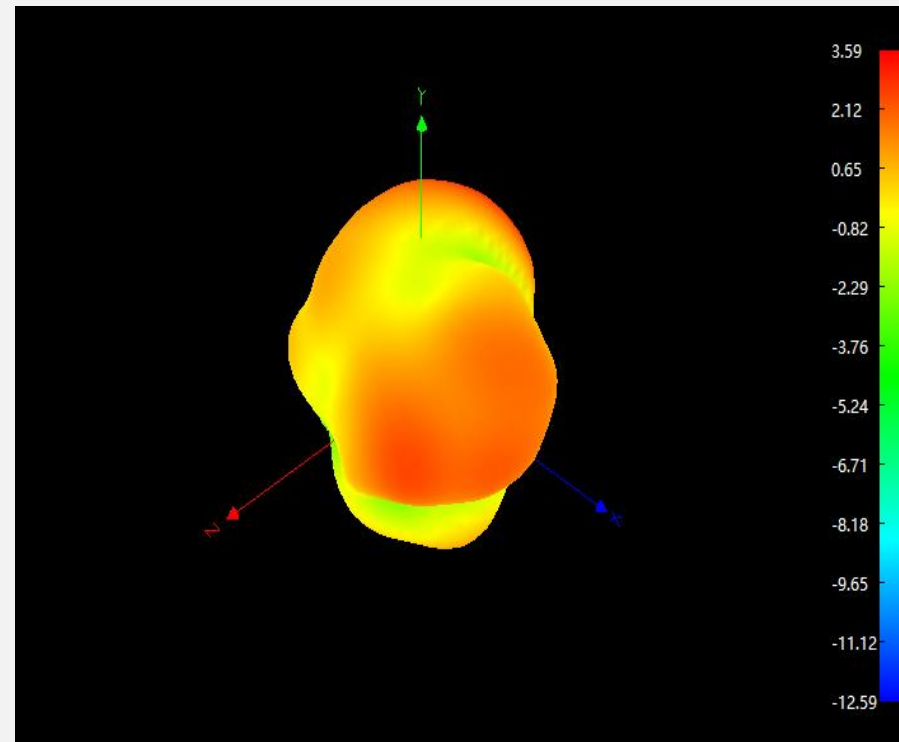
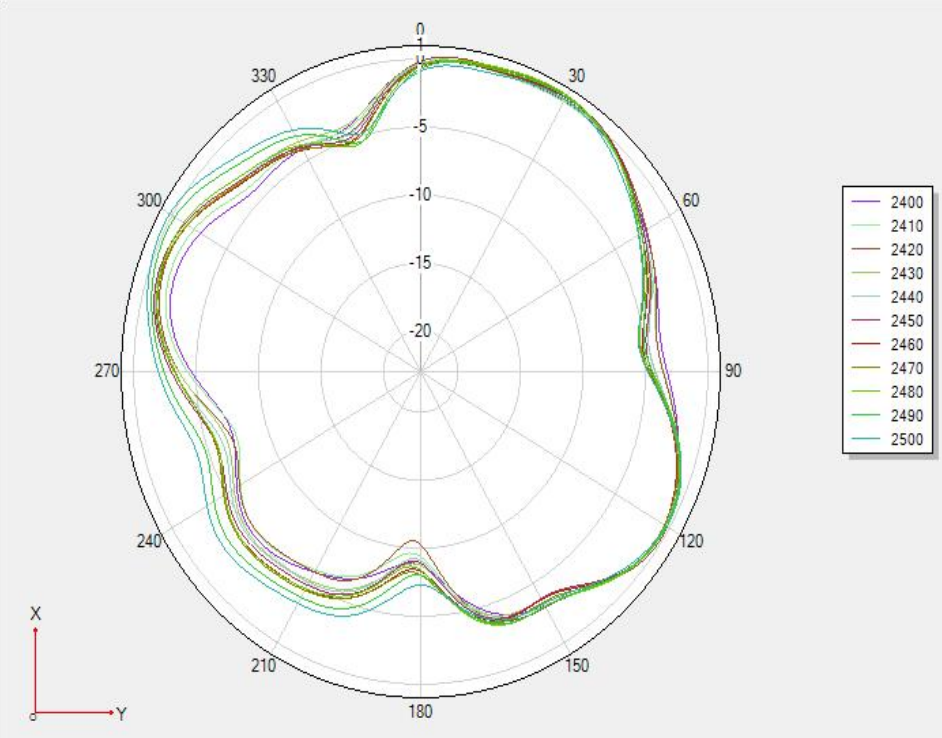
3. Test Result

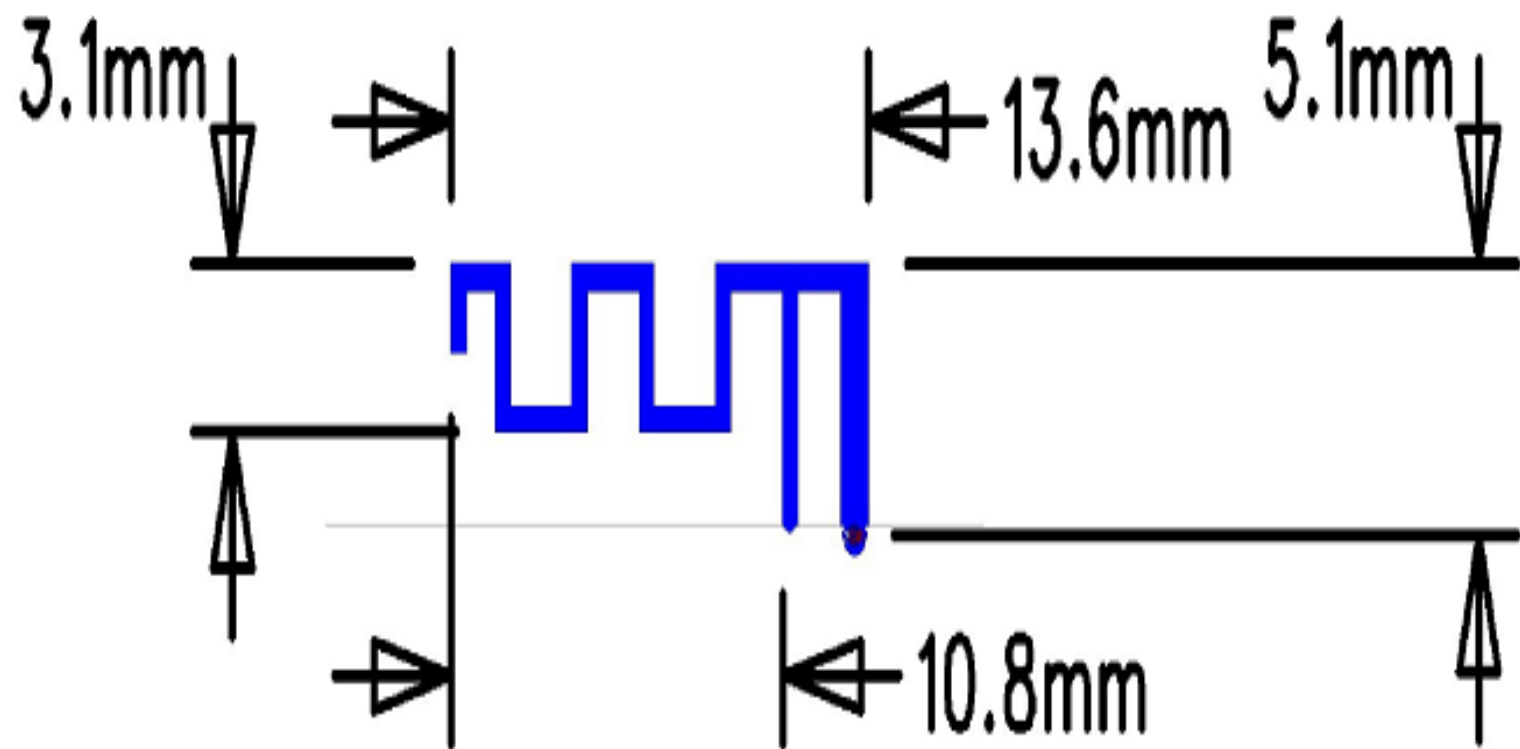
3.3 2D Pattern——BT ANT



3. Test Result

3.3 2D Pattern——BT ANT





Thank you!