

Antenna  
Test Report

## BP3L Antenna test report

Version 1.0.0

Date: 2021-06-23

NO: 000000001

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Inside

Product Name:	BP3L
Antenna Type:	Onboard antenna
Writer:	Yingyun Tong
Maximum	Gain: 1.09 dBi
	Efficiency:44.98%

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## 1. General Description

EUT Name	BP3L Antenna
Wireless type	BLE
Antenna Type	Onboard antenna
Dimensions	Appendix A

## 2. Technical Information

Frequency Range	2402MHz~2480MHz
Test Frequency	2400,2410.....2500MHz

## 3. Test Standards

Identity	Document Title
IEEE 149-1979	IEEE Standard Test Procedures for Antennas

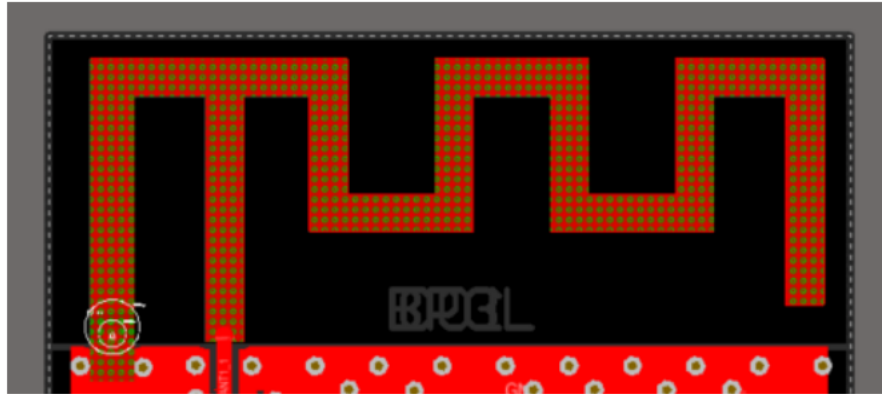
## 4. Test Item

Report Section	Description
Appendix B	S11/VSWR
Appendix C	Gain and Efficiency
Appendix D	Radiation Pattern (1D and 3D)

## 5. Test Photo

Report Section	Description
Appendix E	Test Setup Photo

## Appendix A Antenna Dimension



## Appendix B S11/VSWR

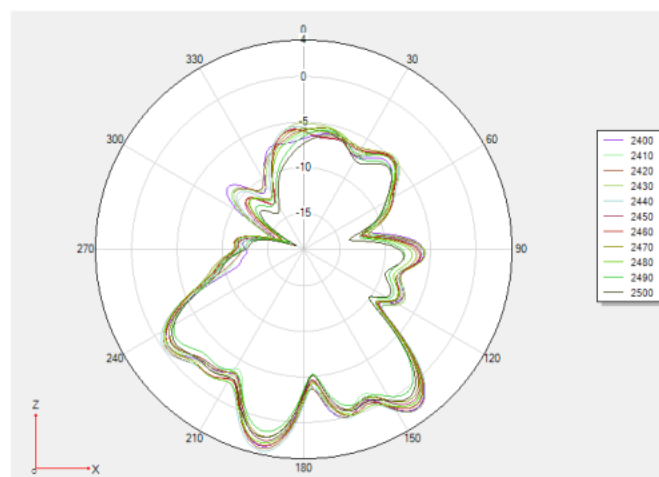
Frequency (MHz)	2400	2450	2500
Return Loss	-16.0	-9.2	-5.12

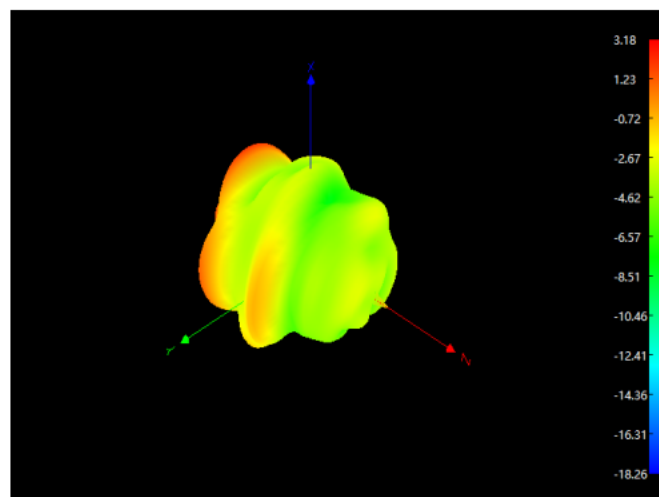
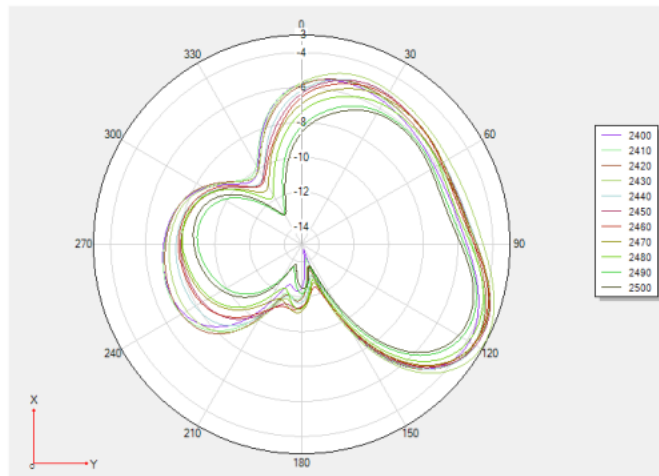
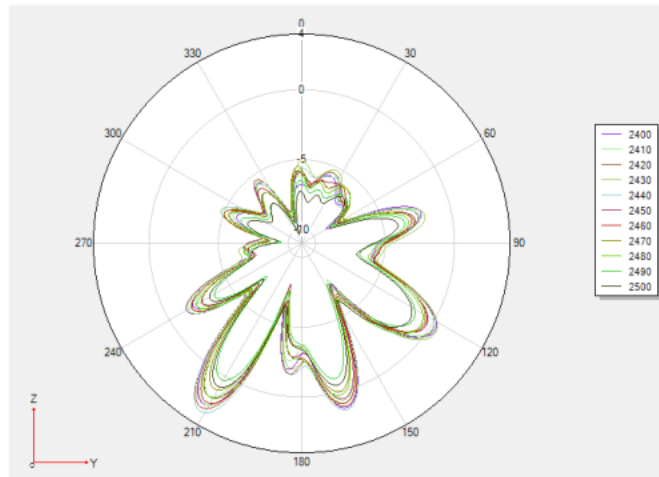
## Appendix C Gain and Efficiency

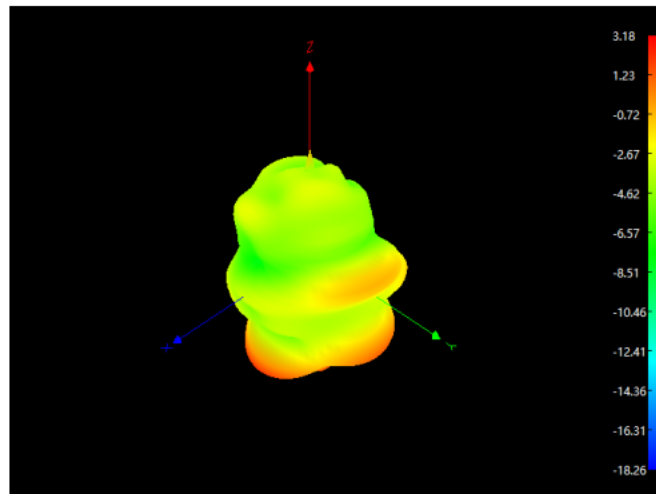
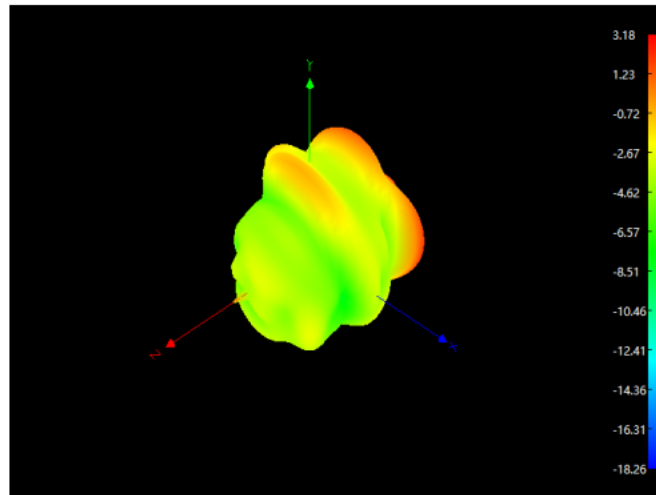
Frequency (MHz)	Efficiency(%)	Gain (dBi)
2400	31.26	-0.07
2410	33.57	0.11
2420	34.28	0.15

2430	24.12	0.06
2440	33.57	0.02
2450	32.36	-0.15
2460	34.83	0.34
2470	37.41	0.8
2480	41.02	1.09
2490	42.27	1.28
2500	39.63	0.91

## Appendix D Radiation Pattern(1D and 3D)







## Appendix E Test Setup Photo



