

Antenna
Test Report

BTU Antenna test report

Version 1.0.0

Date: 2021-05-07

NO: 0000000001

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Inside

Product Name:	BTU
Antenna Type:	PCB antenna
Writer:	Chenlei
Maximum	Gain: 1.08dBi
	Efficiency:35.73%

Content

1. General Description	3
2. Technical Information	3
3. Test Standards	3
4. Test Item.....	4
5. Test Photo.....	4
Appendix A Antenna Dimension.....	5
Appendix B S11/VSWR	5
Appendix C Gain and Efficiency	5
Appendix D Radiation Pattern(1D and 3D).....	6
Appendix E Test Setup Photo	9

1. General Description

EUT Name	BTU Antenna
Wireless type	BLE
Antenna Type	PCB 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	-11.2	-13.12	-10.1
VSWR	1.8	1.6	1.9

Appendix C Gain and Efficiency

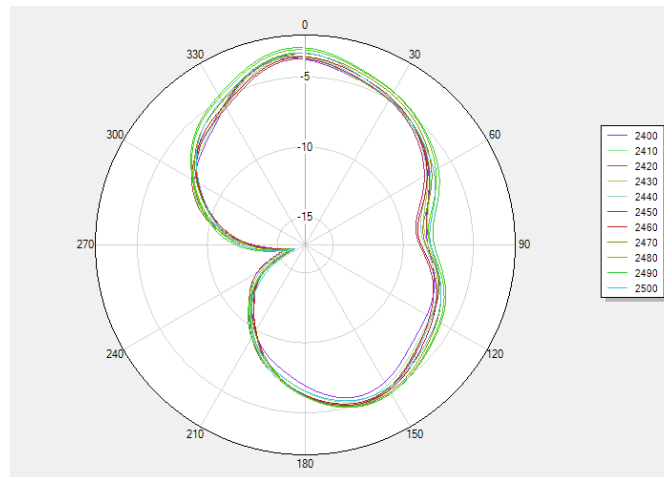
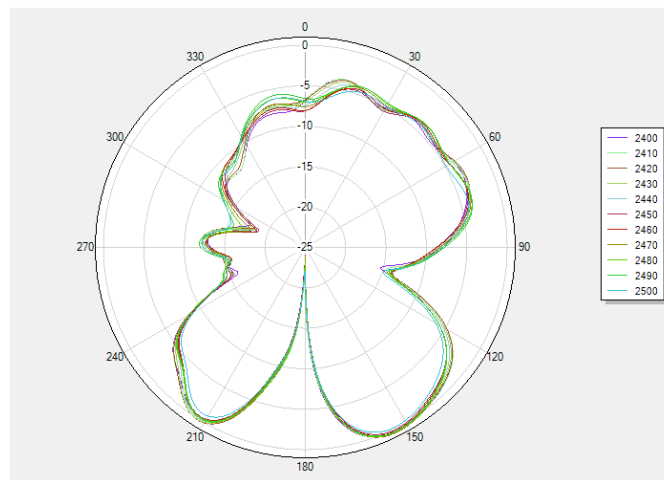
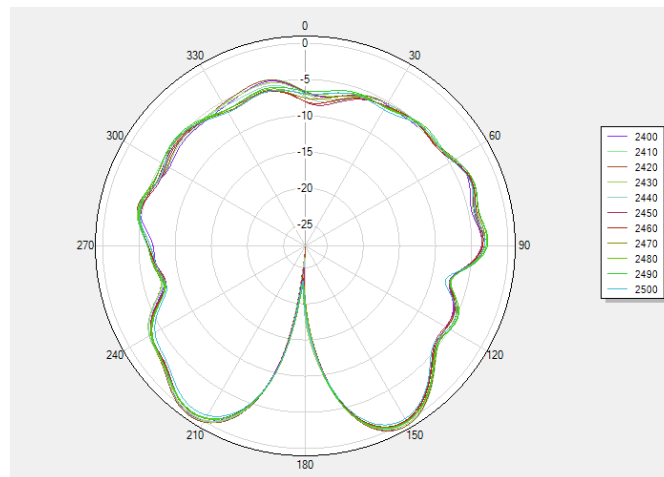
Frequency (MHz)	Efficiency(%)	Gain (dBi)
2400	35.24	1.02
2410	35.73	1.08

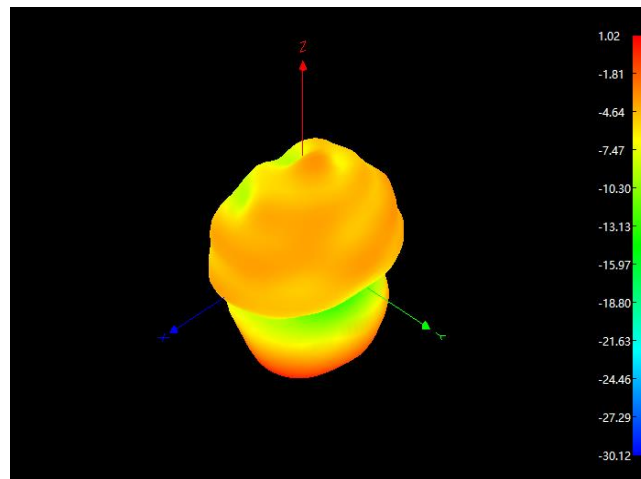
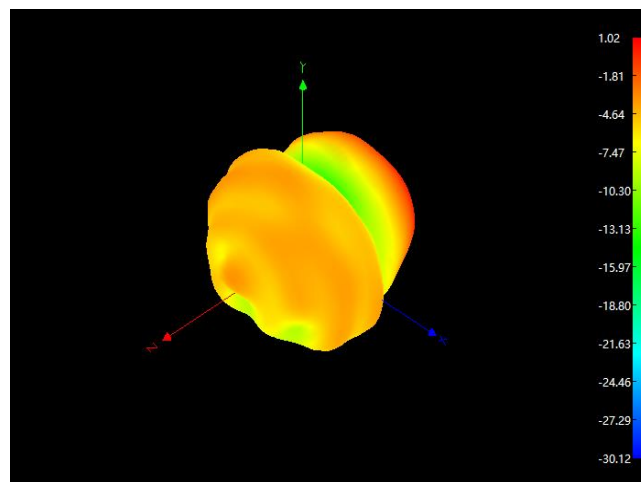
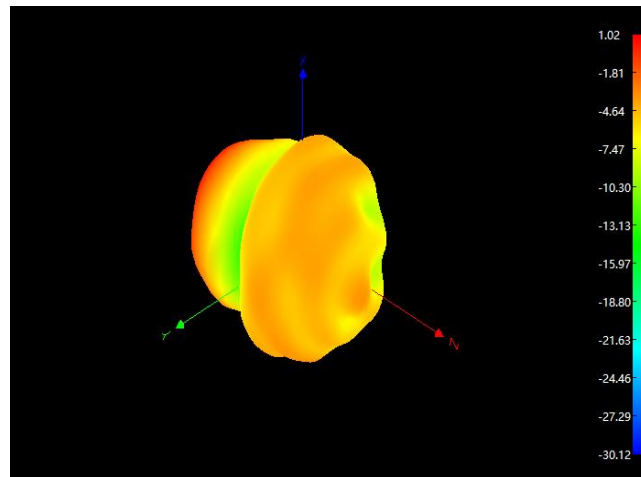


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2420	35.24	1.01
2430	34.91	0.81
2440	33.96	0.73
2450	32.14	0.54
2460	32.06	0.65
2470	32.51	0.72
2480	33.96	0.76
2490	33.19	0.67
2500	30.97	0.14

Appendix D Radiation Pattern(1D and 3D)





Appendix E Test Setup Photo

