



Product Name:	BF8H-N
Antenna Type:	Onboard antenna
Writer:	Hao Cheng
Maximum	Gain: 1.4 dBi
	Efficiency:23.3%

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1. General Description

EUT Name	BF8H-N 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

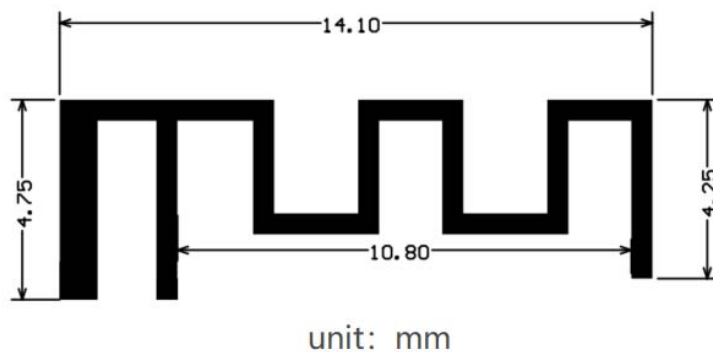
Report Section	Description
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Appendix B	S11/VSWR
Appendix C	Gain and Efficiency
Appendix D	Radiation Pattern (1D and 3D)

5. Test Photo

Report Section	Description
Appendix E	Test Setup Photo

Appendix A Antenna Dimension



Appendix B S11/VSWR

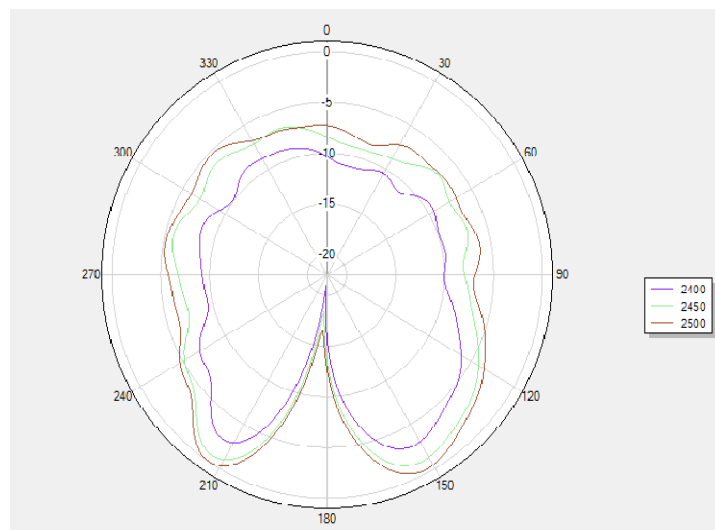
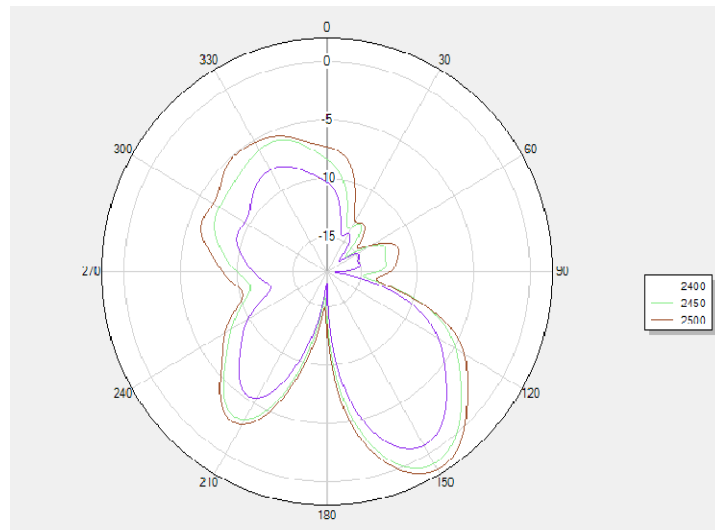
Frequency (MHz)	2400	2450	2500
Return Loss	-9.6	-20.99	-9.6

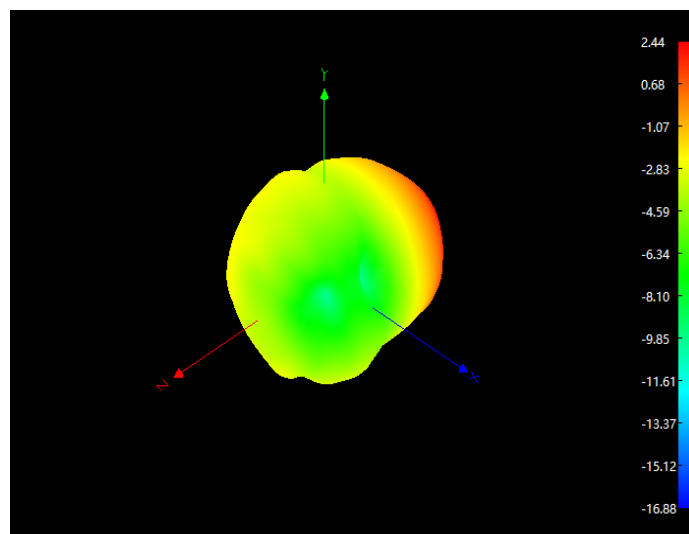
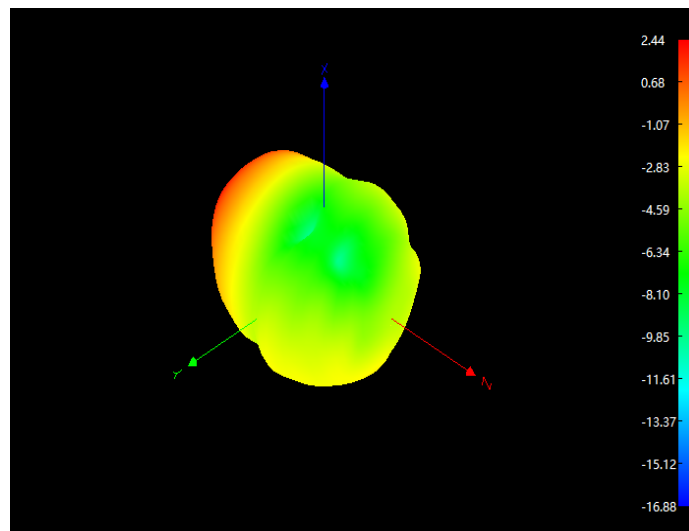
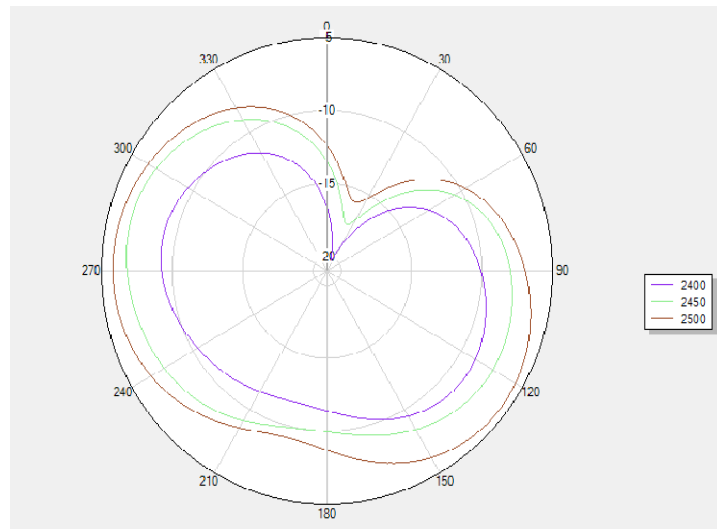
Appendix C Gain and Efficiency

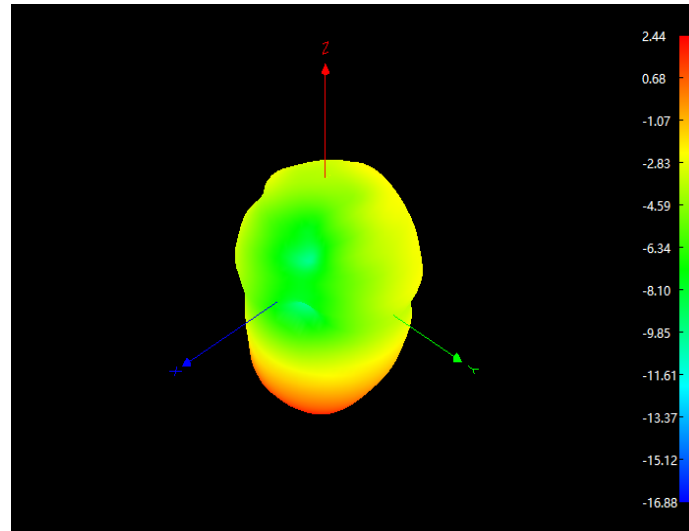
Frequency / MHz	Gain/ dB	Efficiency / %
2400	0.30	16.60
2410	0.62	18.58
2420	0.93	20.46
2430	1.12	21.23
2440	1.16	21.98
2450	1.43	23.33

2460	1.29	22.96
2470	1.42	23.17
2480	0.89	21.83
2490	0.74	20.84
2500	-0.07	17.42

Appendix D Radiation Pattern(1D and 3D)







Appendix E Test Setup Photo