

Antenna
Test Report

CBU Antenna test report

Version 1.0.0

Date: 2020-11-24

NO: 000000001

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Inside

Product Name:	CBU
Antenna Type:	PCB antenna
Writer:	Yinhua Zhang
Maximum	Gain: 2.21dBi
	Efficiency:32.96%

Content

1. General Description	2
2. Technical Information	3
3. Test Standards	3
4. Test Item.....	3
5. Test Photo.....	4
Appendix A Antenna Dimension.....	5
Appendix B S11/VSWR	5
Appendix C Gain and Efficiency	6
Appendix D Radiation Pattern(1D and 3D).....	7
Appendix E Test Setup Photo	9

1. General Description

EUT Name	CBU Antenna
Wireless type	WIFI+BLE

Antenna Type	PCB antenna
Dimensions	Appendix A

2. Technical Information

Frequency Range	2400 MHz -2484MHz
Test Frequency	2400,2410.....2500MHz

3. Test Standards

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

4. Test Item

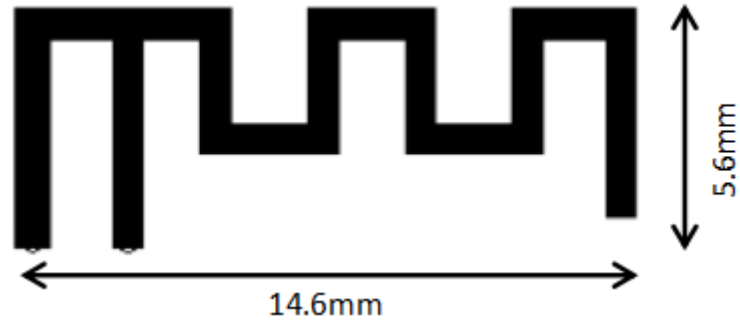
Report Section	Description
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Appendix B	S11/VSWR
Appendix C	Gain and Efficiency
Appendix D	Radiation Pattern (1D and 3D)

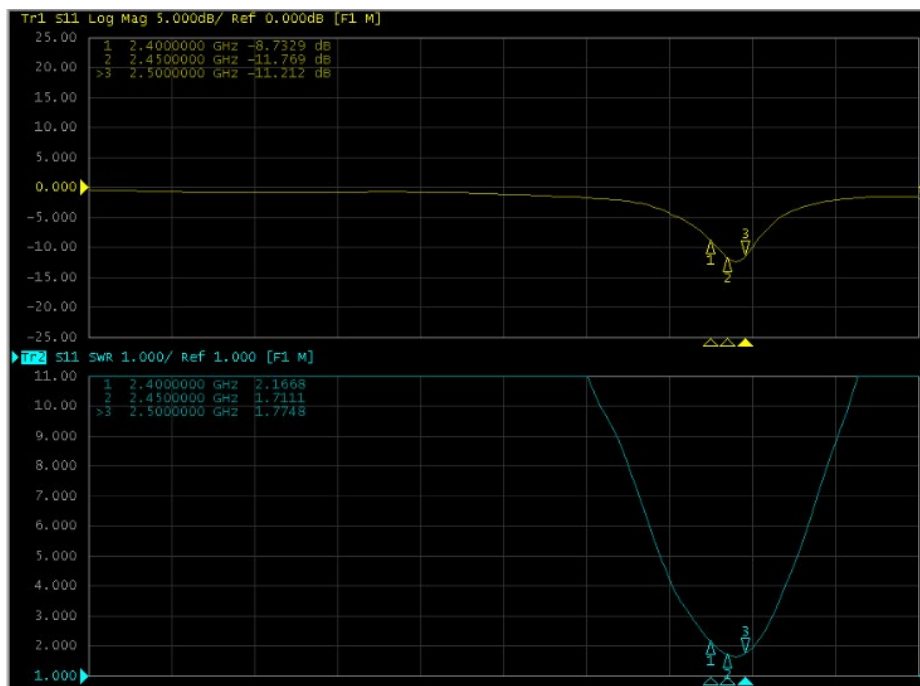
5. Test Photo

Report Section	Description
Appendix E	Test Setup Photo

Appendix A Antenna Dimension



Appendix B S11/VSWR

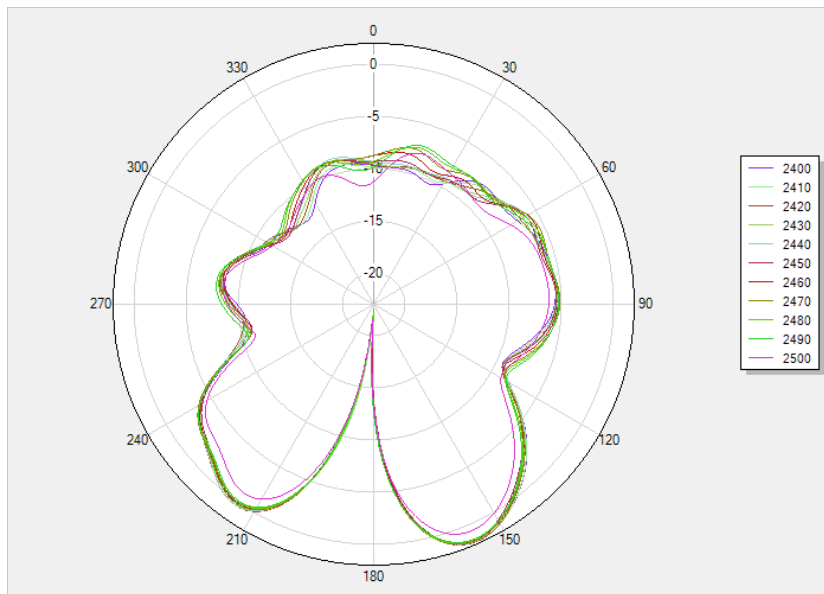
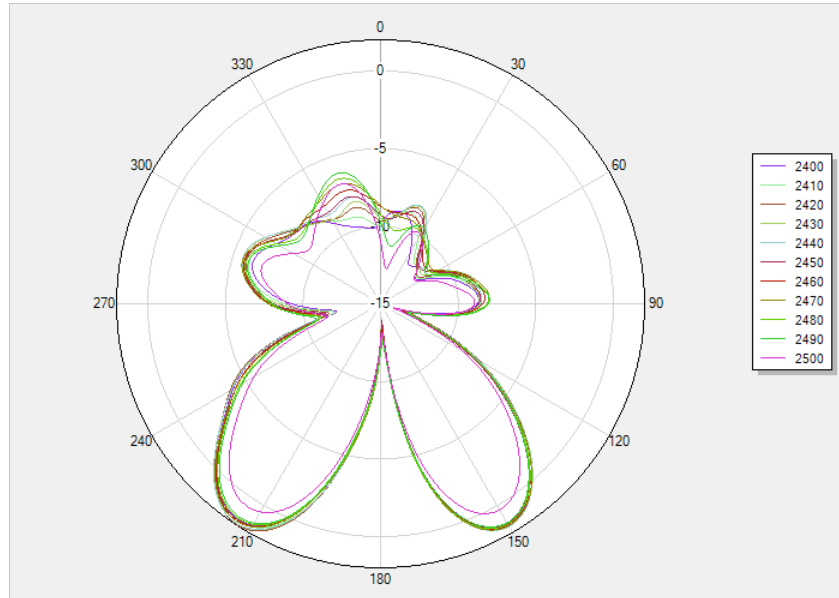


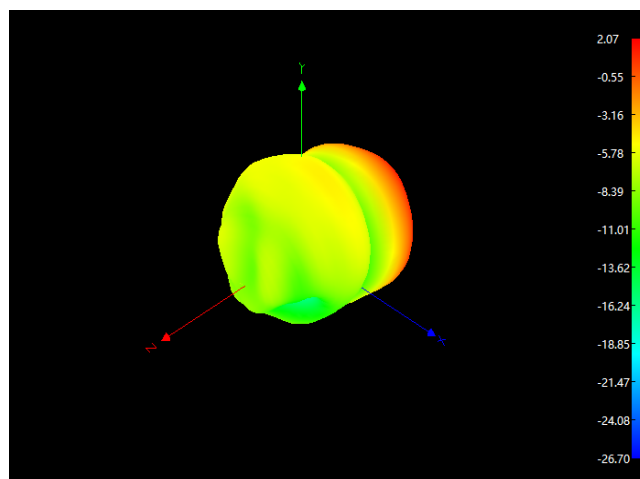
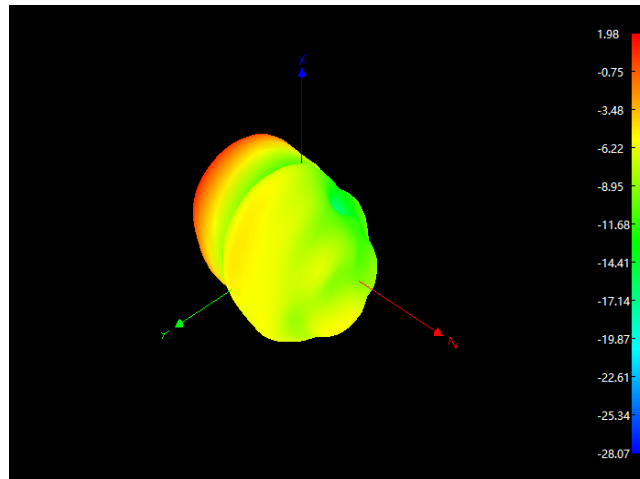
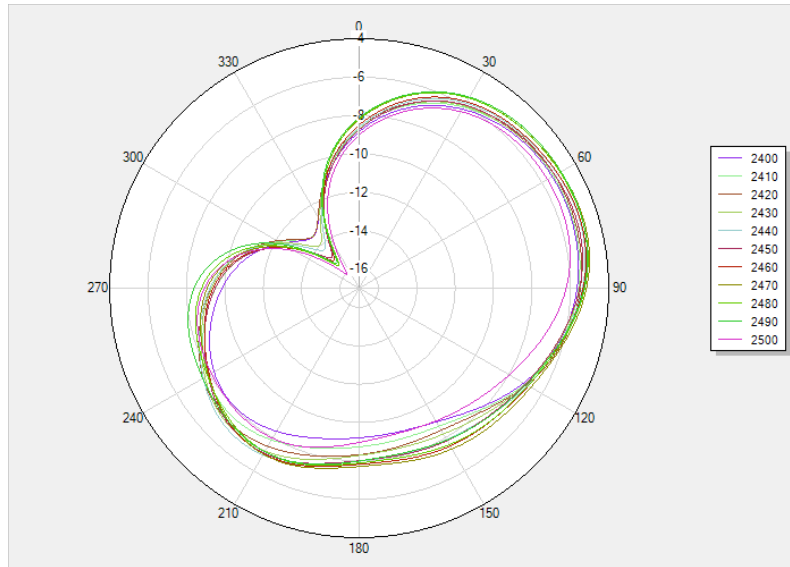
Frequency (MHz)	2400	2450	2500
Return Loss (dB)	-8.73	-11.77	-11.21
VSWR	2.16	1.71	1.77

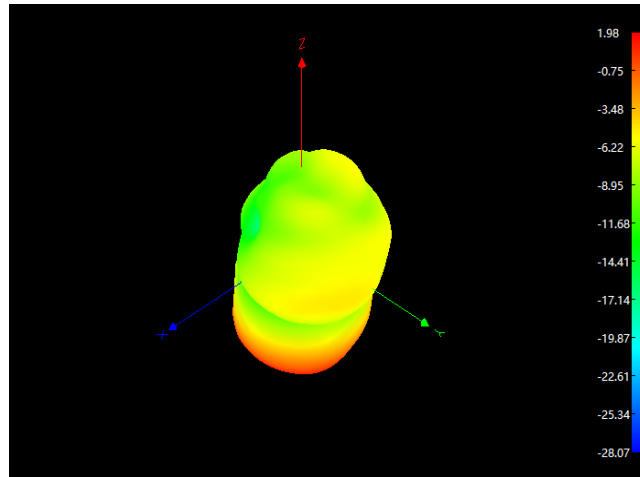
Appendix C Gain and Efficiency

Frequency (MHz)	Efficiency(%)	Gain (dBi)
2400	32.36	2.11
2410	32.3	2.18
2420	32.1	2.21
2430	32.4	2.06
2440	32.9	2.07
2450	30.9	1.91
2460	30.8	2.04
2470	30.7	2.09
2480	31.6	1.98
2490	30.6	1.91
2500	30.5	1.03

Appendix D Radiation Pattern(1D and 3D)







Appendix E Test Setup Photo

