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PHATEN

CBU Antenna test report

CBU
Antenna test report

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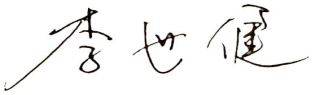
Shenzhen CHINA

Website: www.phaten.com

Customer Approval

Company	Shenzhen Phaten Technology Co., Ltd.
Signature	
Date	2022-3-15

CONTENT

1. Product Description

Product Name	CBU
Antenna Type	PCB antenna
Maximum	Gain:0dBi

2. General Description

EUT Name	CBU Antenna
Wireless type	WIFI
Antenna Type	PCB antenna
Antenna	Appendix A

3. Technical Information

Frequency Range	2402MHz~2480MHz
Test Frequency	2400,2450,2500MHz

4. Test Standards

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

5. Test Item

Report Section	Description
Appendix B	S11A/SWR
Appendix C	Gain
Appendix D	Radiation Pattern

6. Test Photo

Report Section	Description
Appendix E	Test Setup Photo

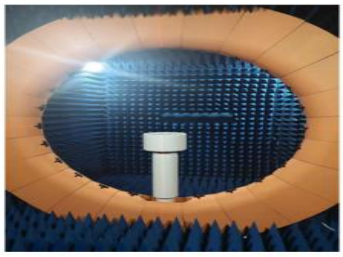
7. Darkroom test equipment and data

5.0 Test Equipment

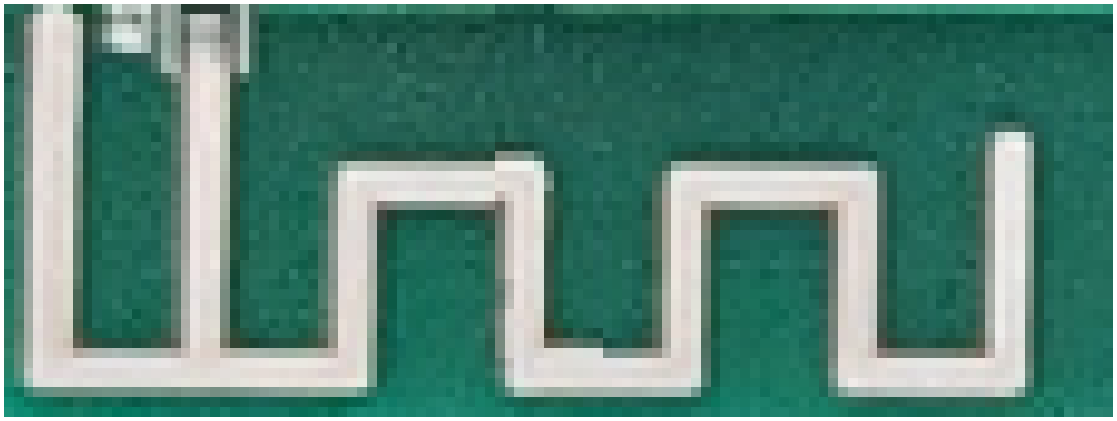
Test system: shielded darkroom

Test environment: temperature 22 ℃± 3 ℃, humidity 50% ± 15%

Test equipment: when testing passive data, use AgilentE5071C network analyzer； When testing the active data, use the comprehensive tester CMW500

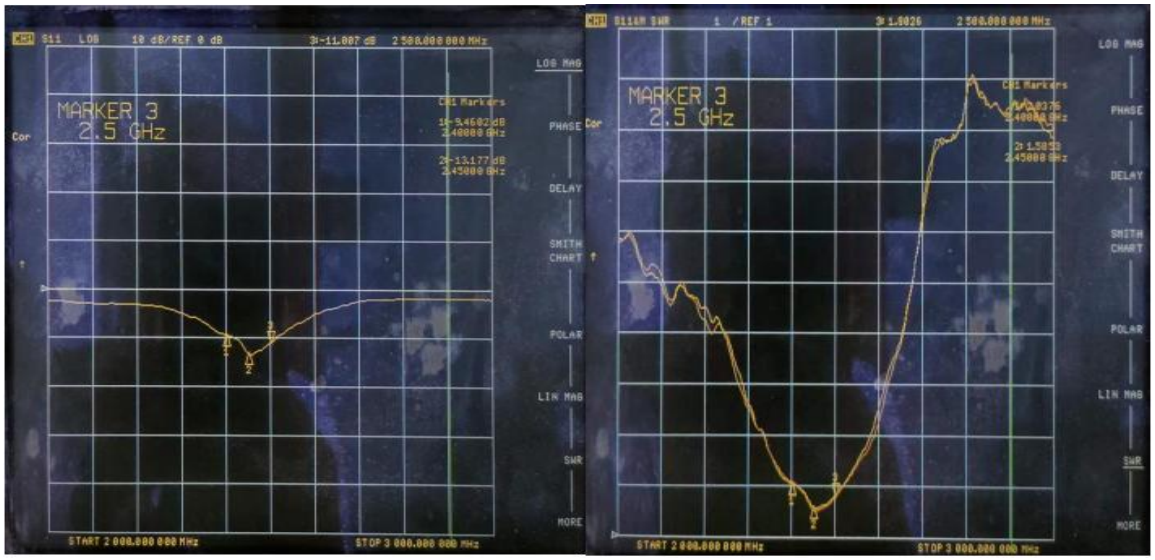


8. Appendix A Antenna



9. Appendix B SII/VSWR

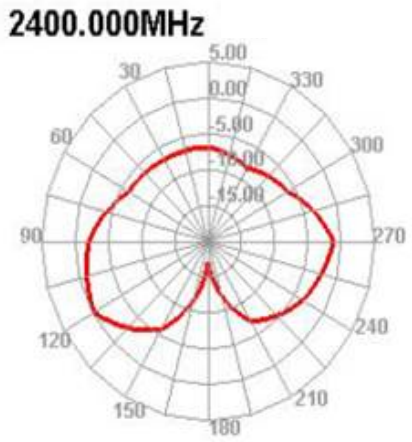
Frequency （MHz)	2400	2450	2500
Return Loss	-9.46	-13	-11
VSWR	1.8	1.5	1.8

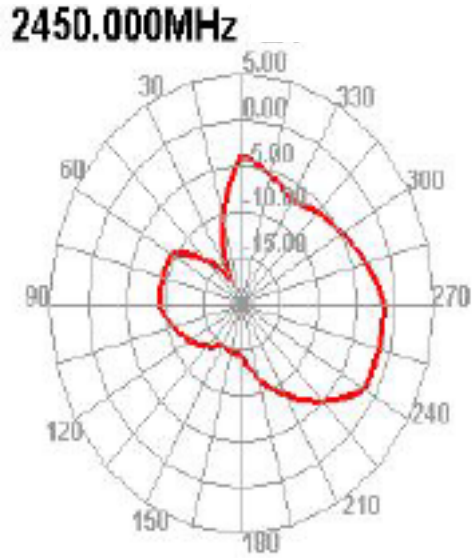


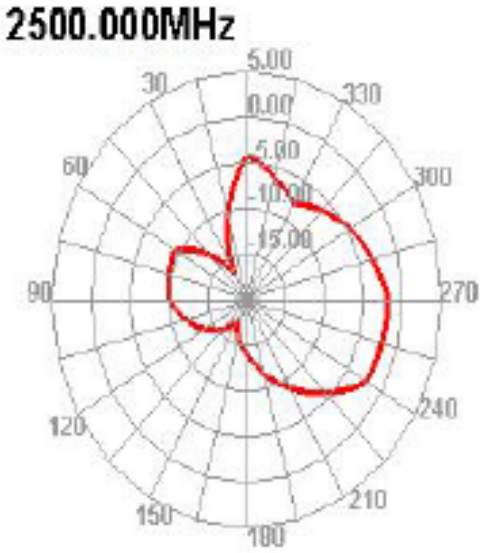
10. Appendix C Gain

Freq (MHz)	Gain (dBi)
2400	0
2450	-1.84
2500	-1.77

11. Appendix D Radiation Pattern







12. Appendix E Test Setup Photo