

Antenna
Test Report

CB3S Antenna test report

Version 1.0.0

Date: 2021-04-16

NO: 000000001

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Intelligence
Inside

| | |
|---------------|------------------|
| Product Name: | CB3S |
| Antenna Type: | PCB antenna |
| Writer: | Jianwei Wang |
| Maximum | Gain: 1.37dBi |
| | Efficiency:47.2% |

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1. General Description

| | |
|---------------|--------------|
| EUT Name | CB3S Antenna |
| Wireless type | WIFI |
| 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 |

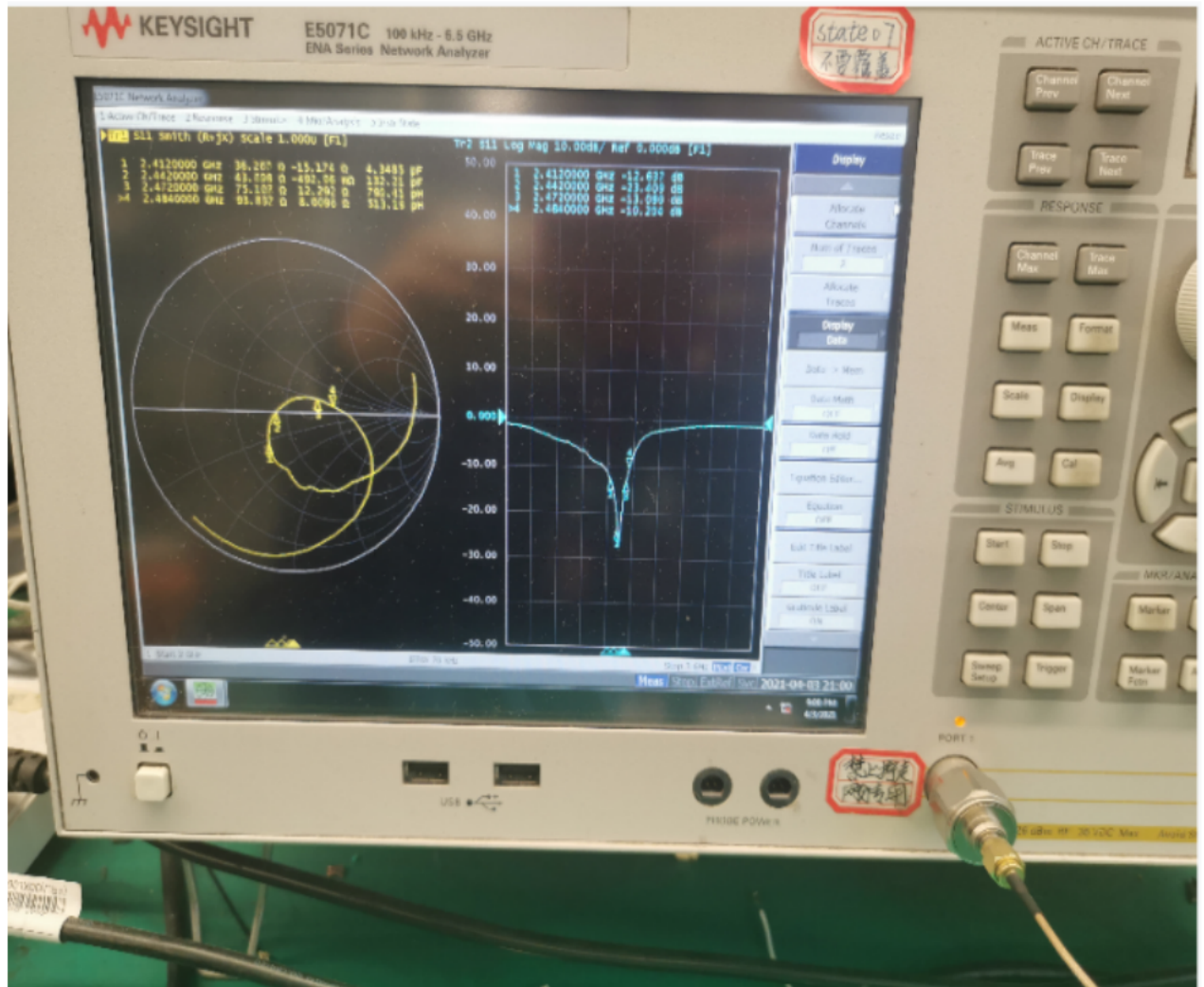
4. Test Item

| 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 B S11/VSWR

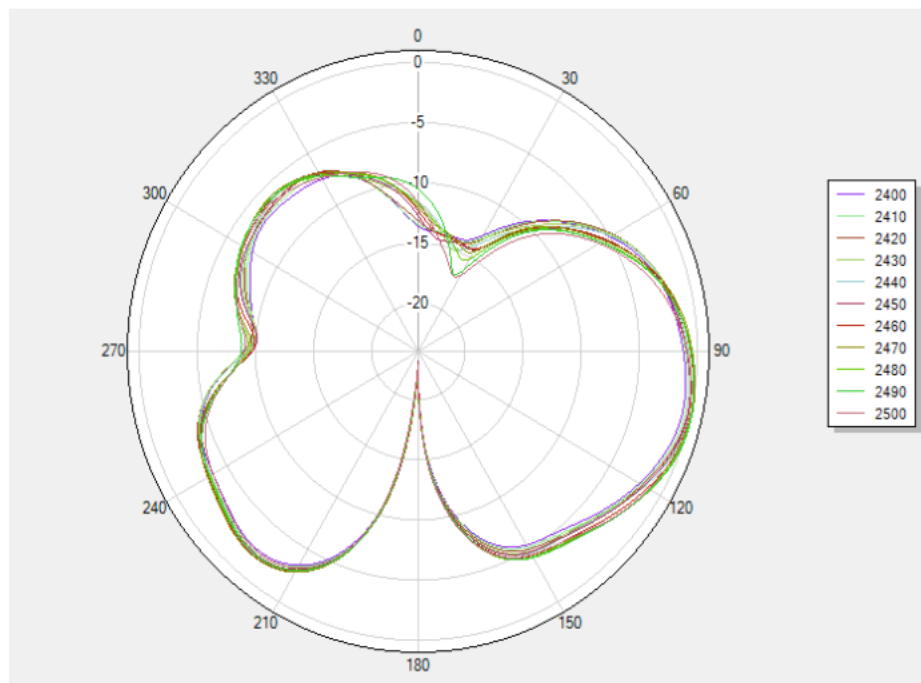


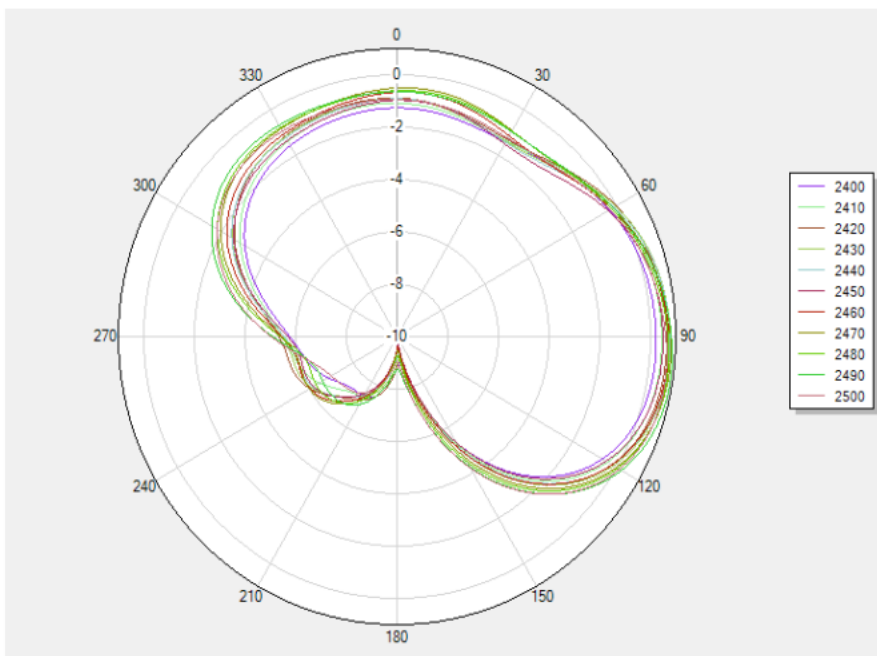
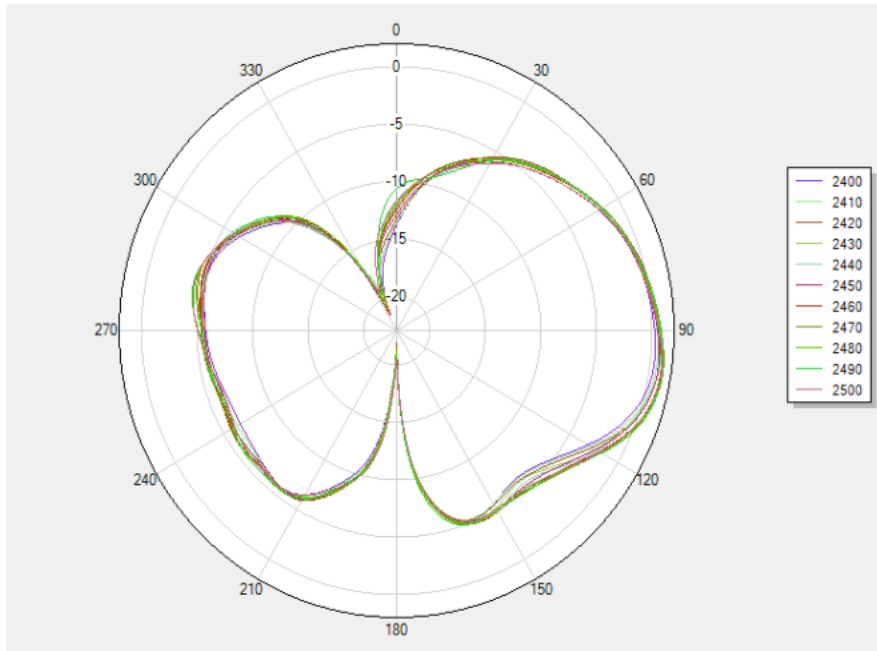
| | | | |
|-----------------|------|------|------|
| Frequency (MHz) | 2400 | 2450 | 2500 |
| Return Loss | -12 | -23 | -13 |

Appendix C Gain and Efficiency

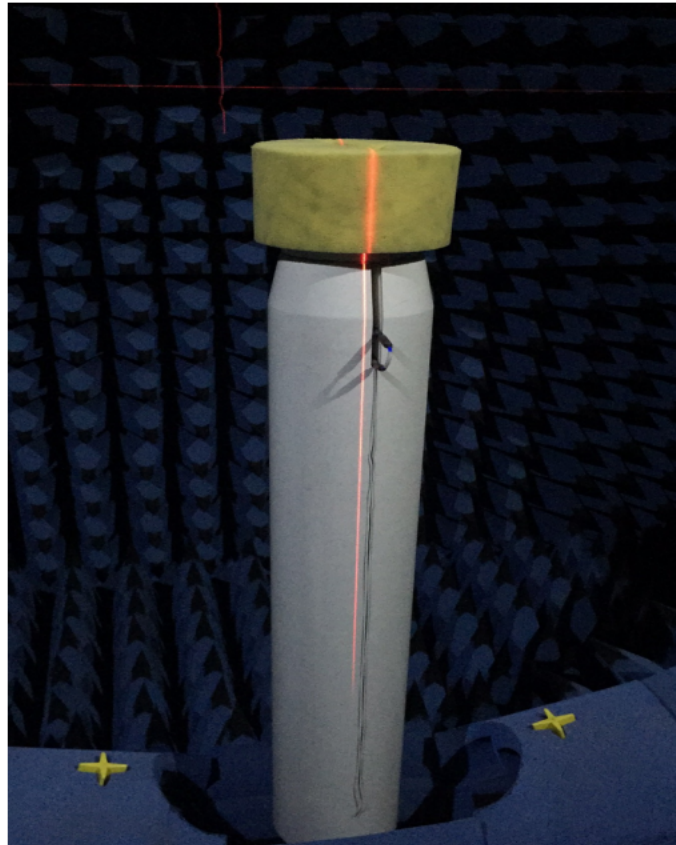
| Frequency / MHz | Gain/ dB | Efficiency / % |
|-----------------|----------|----------------|
| 2400 | 0.46 | 44.36 |
| 2410 | 0.71 | 45.71 |
| 2420 | 0.92 | 45.92 |
| 2430 | 0.91 | 45.6 |
| 2440 | 0.95 | 45.6 |
| 2450 | 0.93 | 45.29 |
| 2460 | 1.27 | 46.45 |
| 2470 | 1.37 | 46.88 |
| 2480 | 1.25 | 47.21 |
| 2490 | 1.24 | 46.67 |
| 2500 | 1.05 | 44.87 |

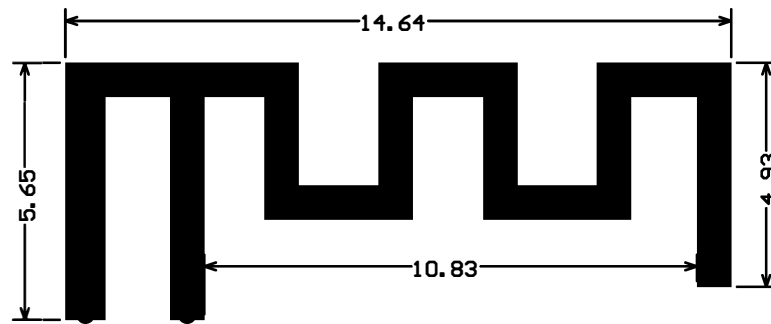
Appendix D Radiation Pattern(2D)





Appendix E Test Setup Photo





units: mm