

Antenna test report

Customer Name:802

Project model:S1623AD4547-A1

Date:2024-03-28

Edition record

| edition | content | Update reason | Date |
|---------|--------------|---------------|------------|
| 1.0 | Antenna test | Initial issue | 2024-03-28 |
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Directory:

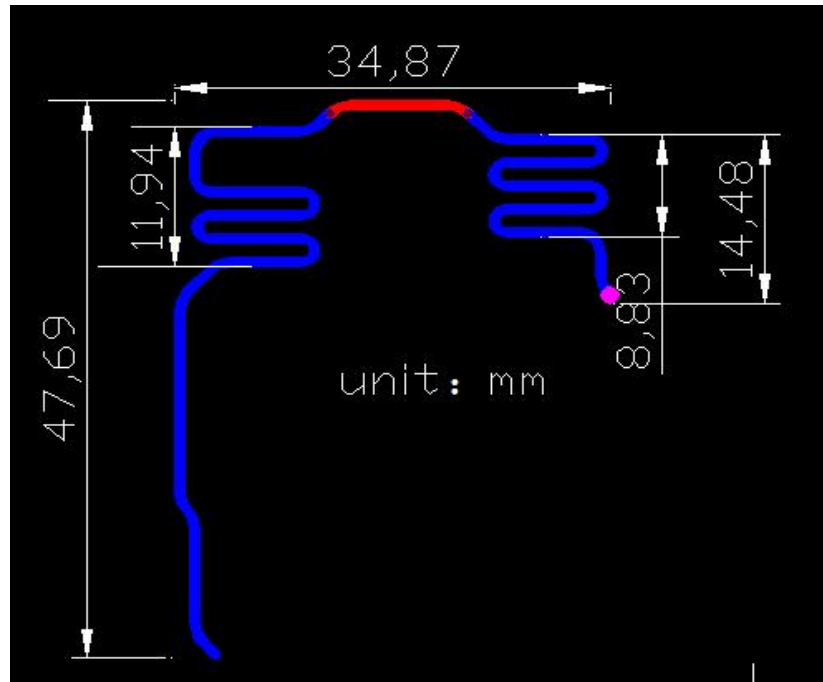
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Project situation

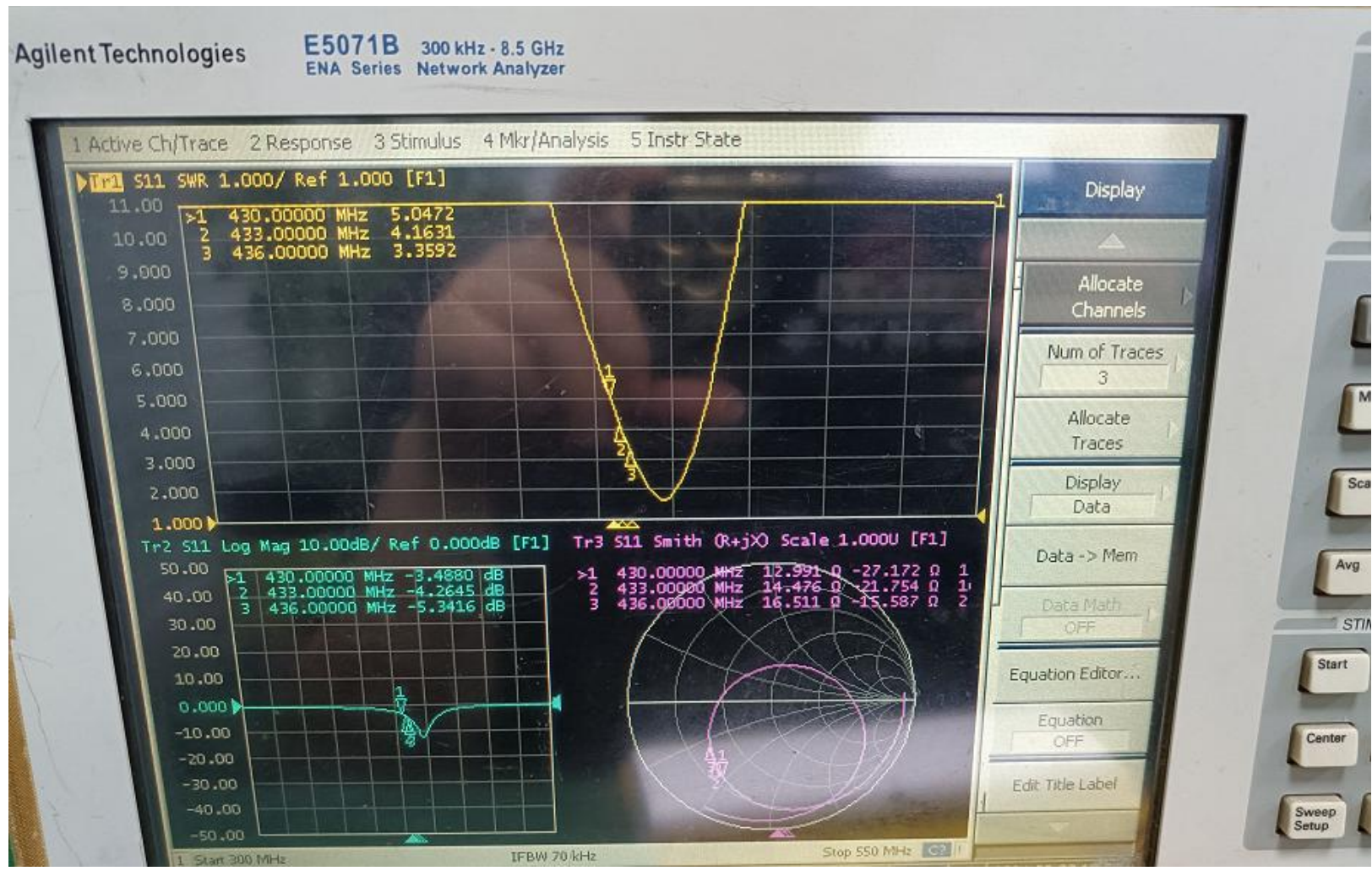
| | |
|--------------------|---------------------------|
| Customer Name | Hesung Innovation Limited |
| Project name | S1623AD4547-A1 |
| Number of antennas | 1 |
| Antenna band | 430-436MHz |
| Structural form | Onboard antenna |

Antenna size diagram

PCB Antenna



Antenna standing wave pattern

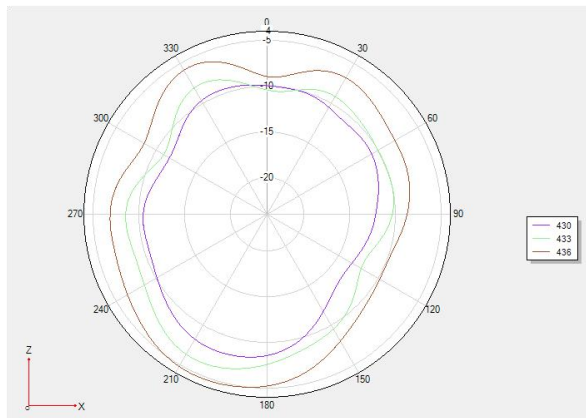


Antenna passive test data

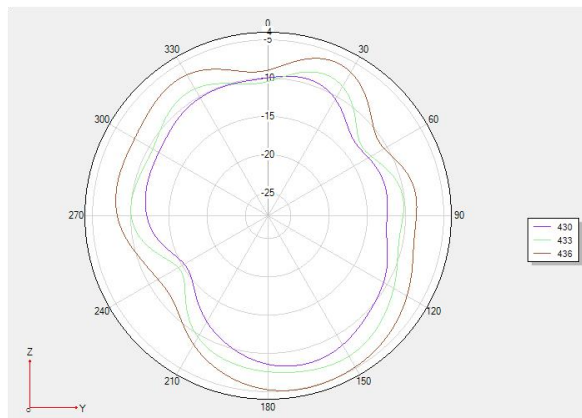
| Frequency / MHz | Efficiency / % | Gain/ dBi |
|-----------------|----------------|-----------|
| 430 | 5.24 | -7.61 |
| 433 | 7.66 | -5.82 |
| 436 | 12.27 | -4.4 |

Antenna passive test 2/3D diagram

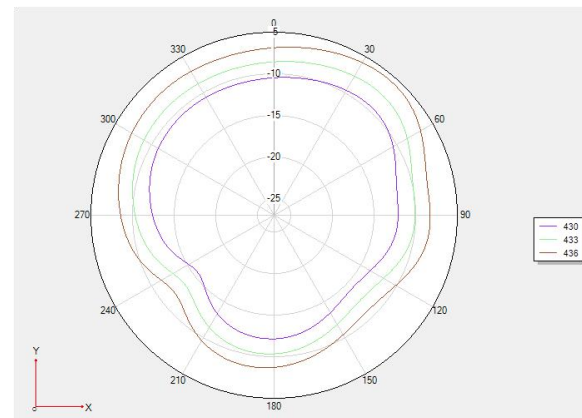
Phi 0 2Dfigure



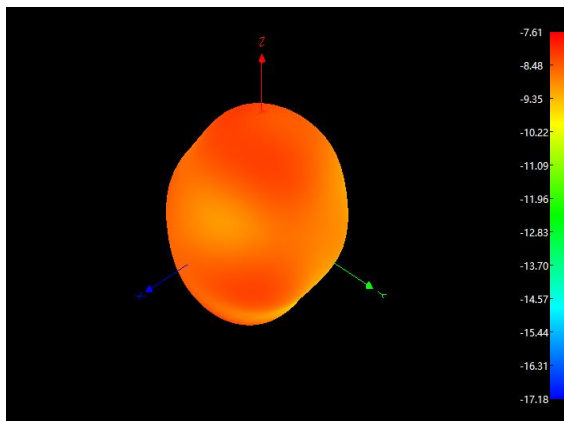
Phi 90 2Dfigure



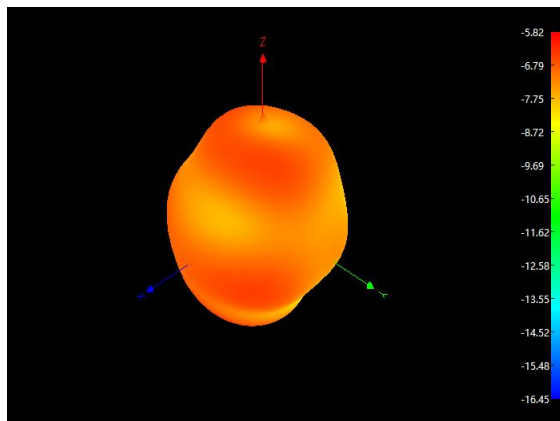
Theta 90 2Dfigure



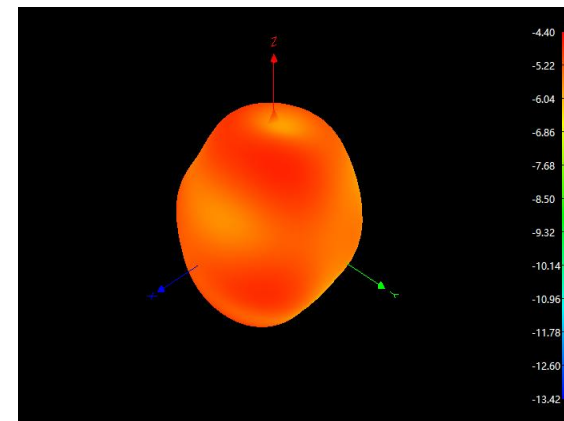
430



433



436





Thank you!

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