

# Antenna test report

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Customer Name:802

Project model:SRC-3422

Date:2025-1-15

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| edition | content      | Update reason | Date      |
|---------|--------------|---------------|-----------|
| 1.0     | Antenna test | Initial issue | 2025-1-15 |
|         |              |               |           |
|         |              |               |           |
|         |              |               |           |
|         |              |               |           |
|         |              |               |           |
|         |              |               |           |

# Directory:

|                                       |     |
|---------------------------------------|-----|
| 1. Edition record                     | ... |
| 2. Project situation                  | ... |
| 3. Antenna and structure form         | ... |
| 4. Original standing wave chart       | ... |
| 5. Primary antenna data               | ... |
| 6. 2D3D image of the original antenna | ... |
| 7. New standing wave chart            | ... |
| 8. New antenna passive data           | ... |
| 9. New antenna test 2D3D image        | ... |

# Project situation

|                    |                 |
|--------------------|-----------------|
| Customer Name      | 802             |
| Project name       | SRC-3422        |
| Number of antennas | 1               |
| Antenna band       | 2400–2500 MHz   |
| Structural form    | Onboard antenna |

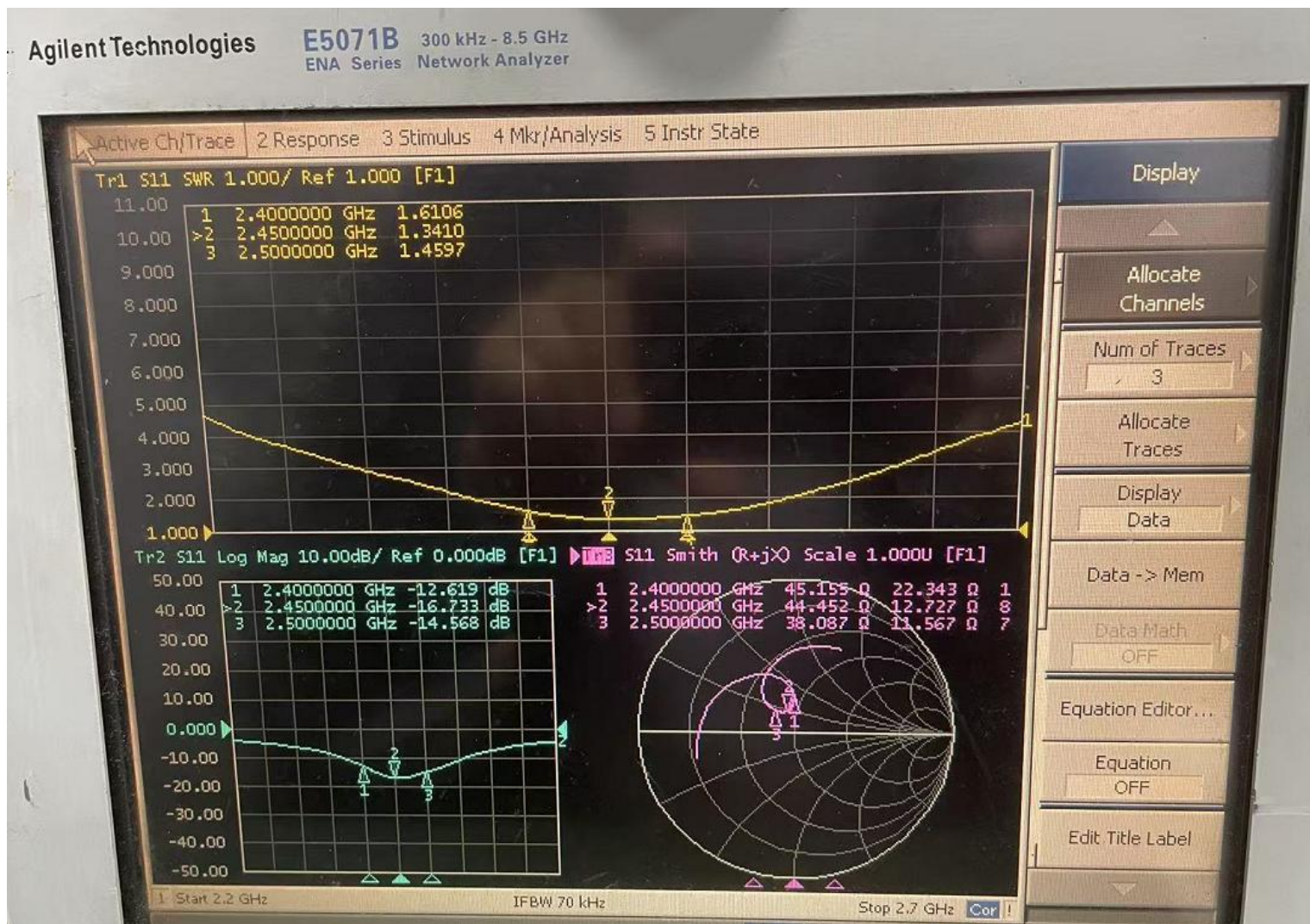
# New antenna and structure form

Cut 1.5MM short here



The C7 position has  
a 0.5PF capacitor

# New antenna grid test diagram

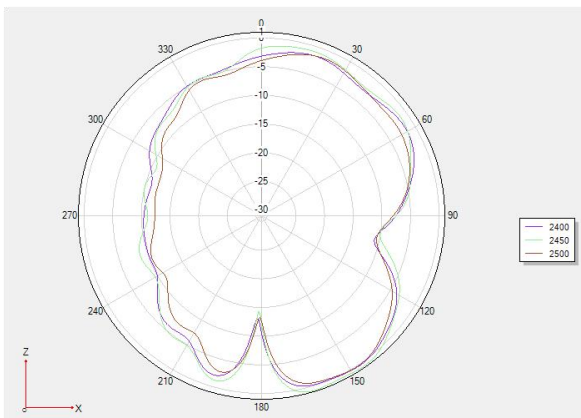


| Frequency / MHz | Efficiency / % | Gain/ dBi |
|-----------------|----------------|-----------|
| 2400            | 50.12          | 1.83      |
| 2410            | 49.23          | 1.74      |
| 2420            | 50.89          | 1.85      |
| 2430            | 48.81          | 1.67      |
| 2440            | 52.19          | 1.95      |
| 2450            | 55.71          | 2.14      |
| 2460            | 50.13          | 1.84      |
| 2470            | 52.34          | 1.96      |
| 2480            | 50.58          | 1.86      |
| 2490            | 49.16          | 1.71      |
| 2500            | 51.32          | 1.91      |

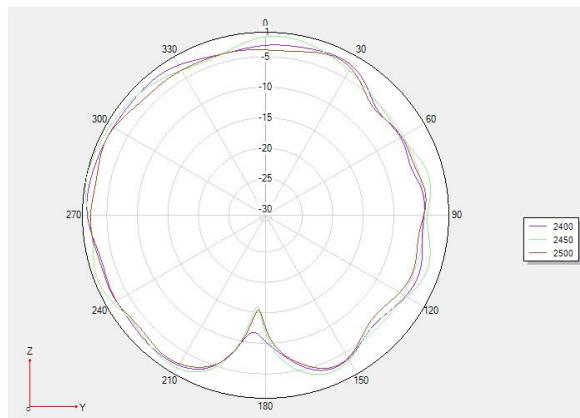


# New antenna test 2D3D image

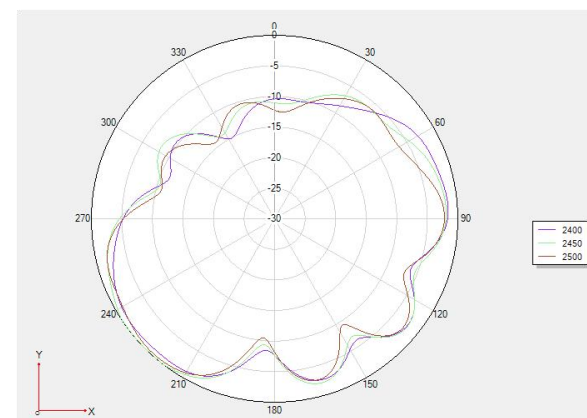
Phi 0 2Dfigure



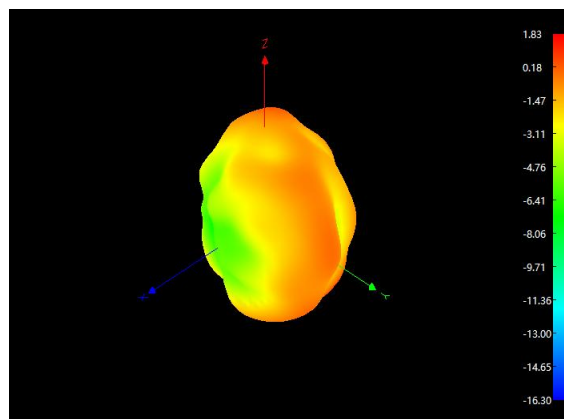
Phi 90 2Dfigure



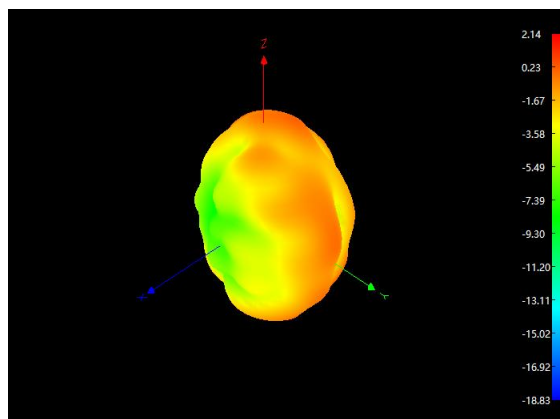
Theta 90 2Dfigure



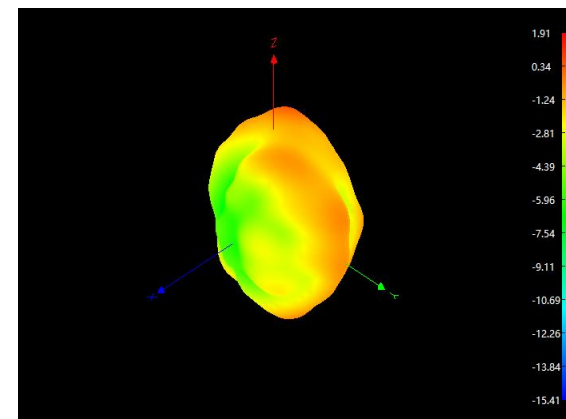
2400



2450

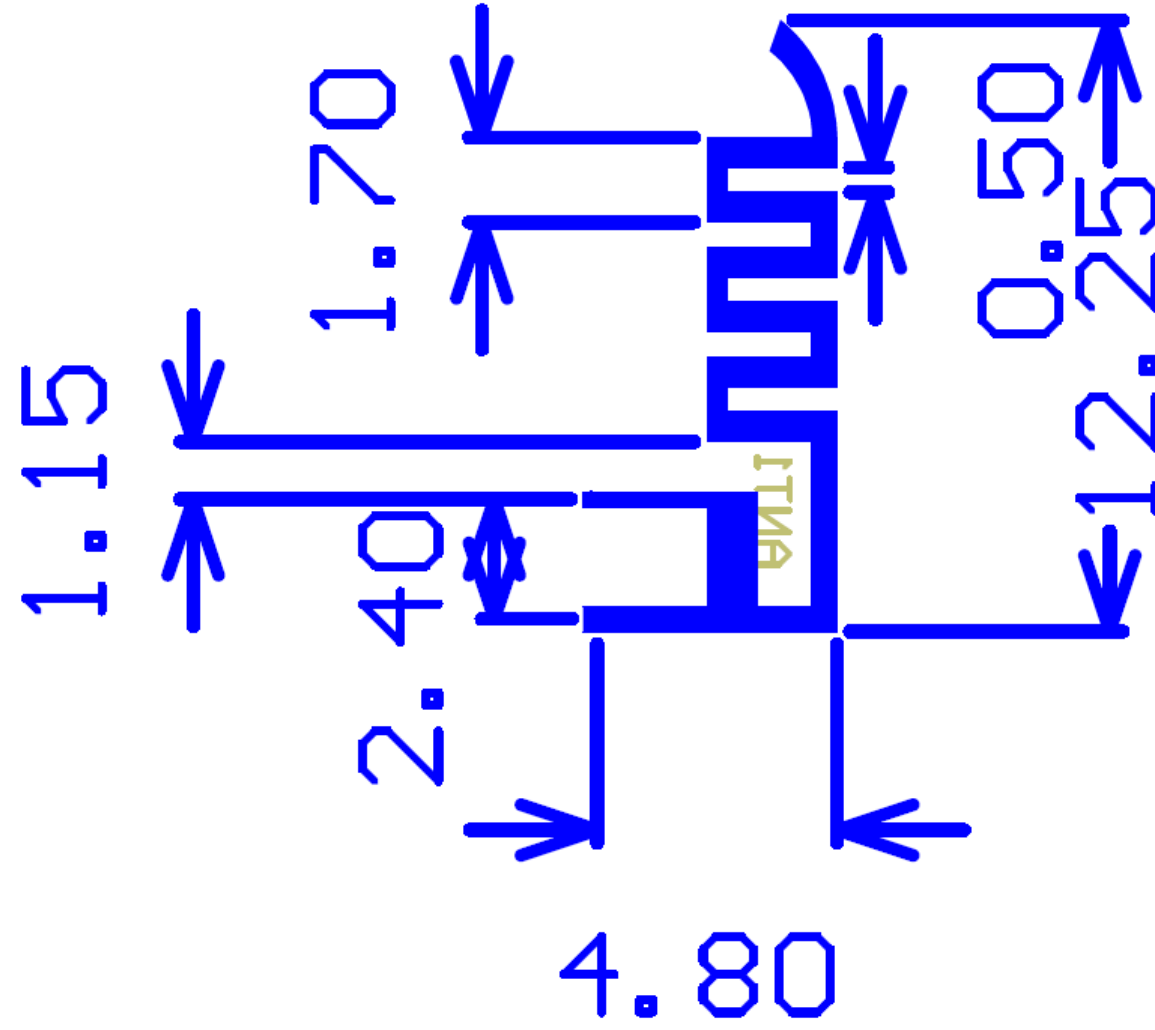


2500





Antenna size diagram





# Thank you!

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