

Antenna test report

Shenzhen Yingjiachuang Electronic Technology Co., LTD

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

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Project situation

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

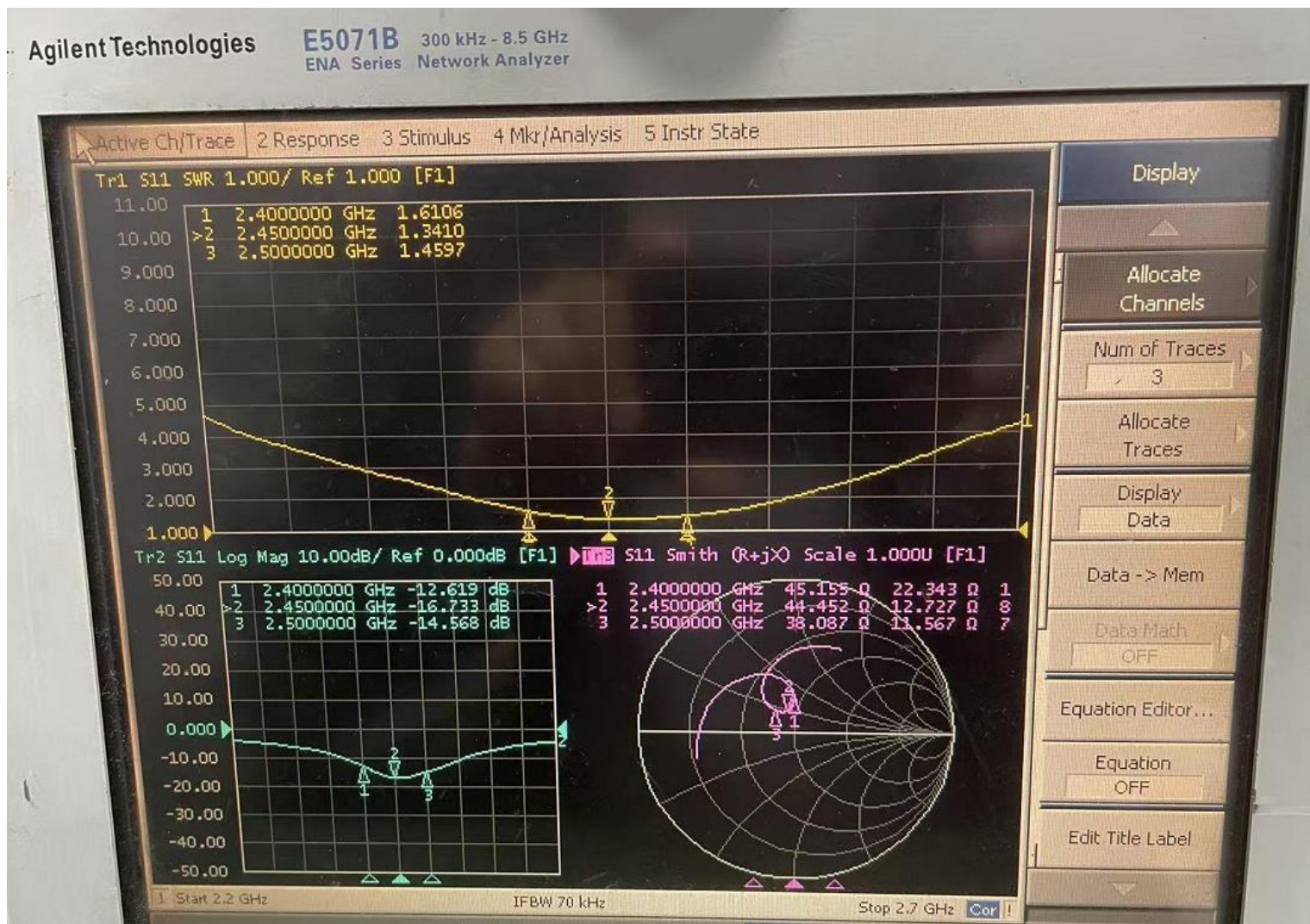
New antenna and structure form

Cut 1.5MM short here



The C7 position has a 0.5PF capacitor

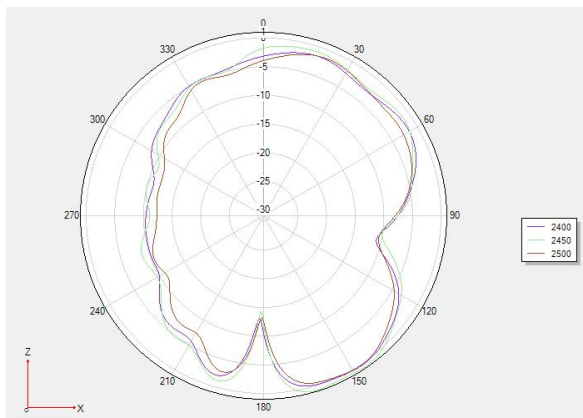
New antenna grid test diagram



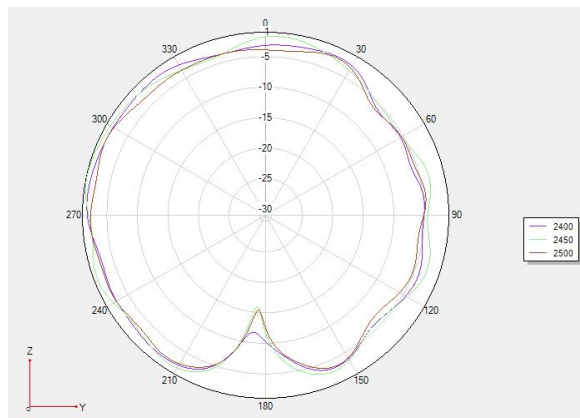
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	50.12	1.83
2410	49.23	1.74
2420	50.89	1.85
2430	48.81	1.67
2440	52.19	1.95
2450	55.71	2.14
2460	50.13	1.84
2470	52.34	1.96
2480	50.58	1.86
2490	49.16	1.71
2500	51.32	1.91

New antenna test 2D3D image

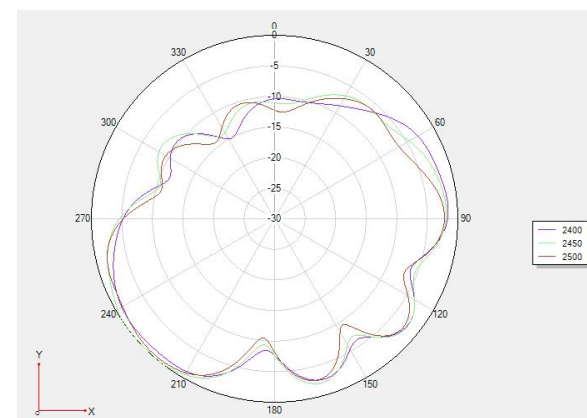
Phi 0 2Dfigure



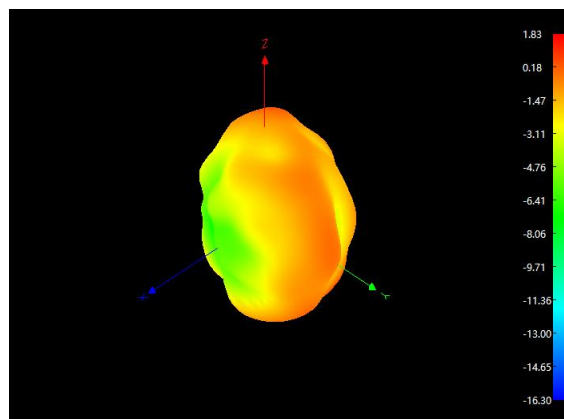
Phi 90 2Dfigure



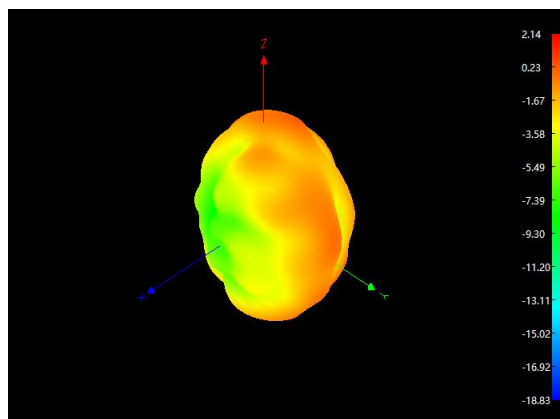
Theta 90 2Dfigure



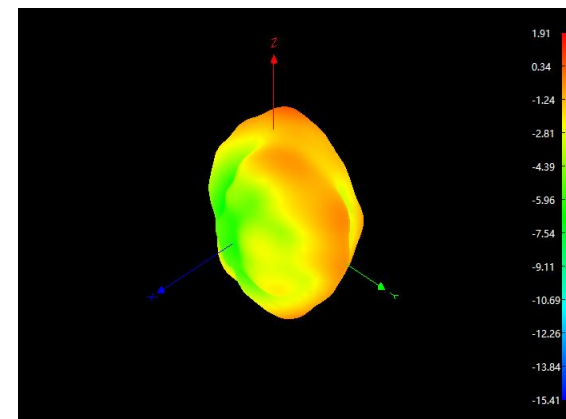
2400



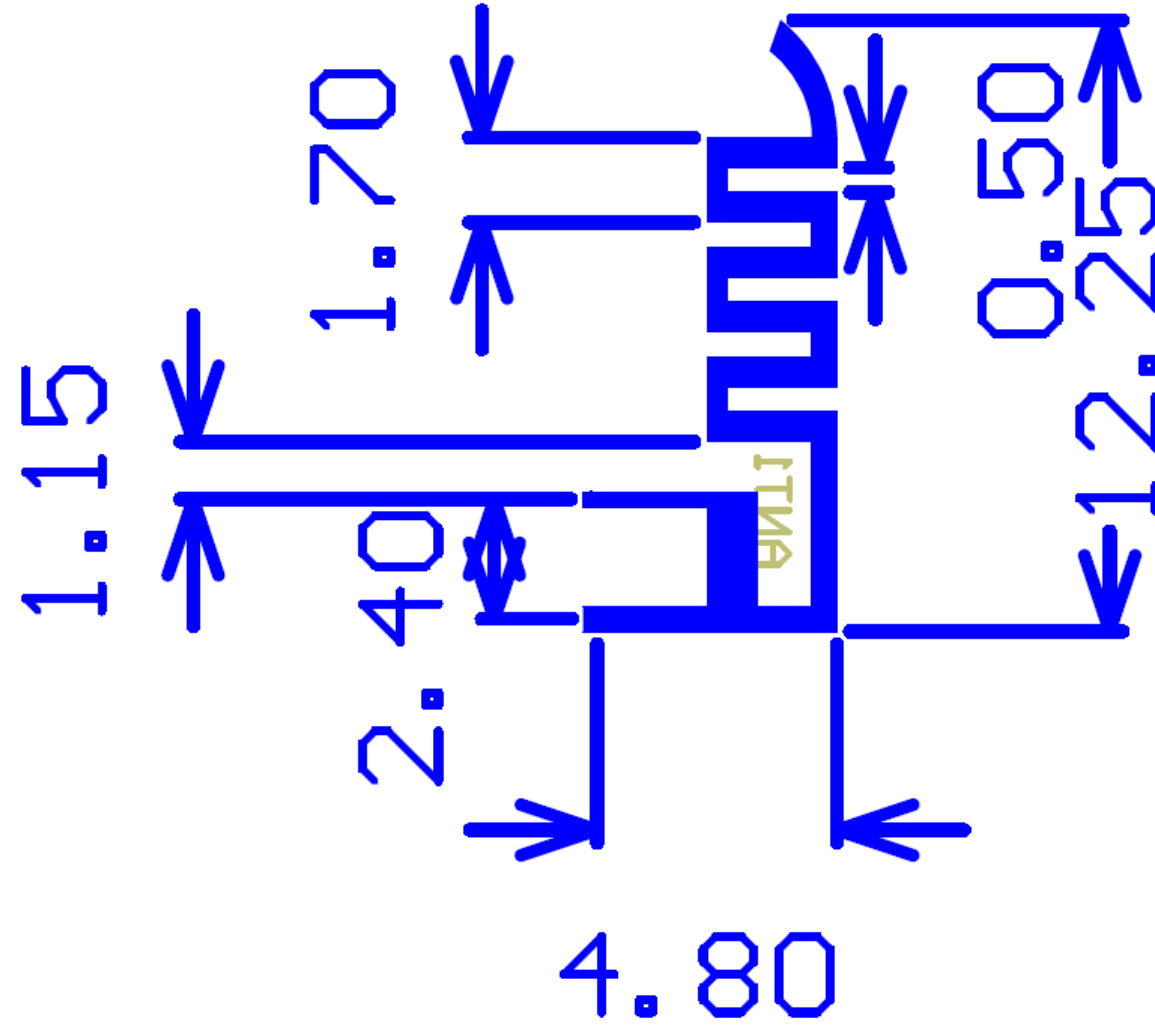
2450



2500



Antenna size diagram





Thank you!

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