

Antenna test report

Customer Name:802

Project model:S1523A4516

Date:2024-03-18

Edition record

edition	content	Update reason	Date
1.0	Antenna test	Initial issue	2024-03-18

Directory:

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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. Passive 2D3D image of the new antenna

Project situation

Customer Name	802
Project name	S1523A4516
Number of antennas	1
Antenna band	2400-2500MHz
Structural form	Onboard antenna



The C5 position has a 0.8pF capacitor
L8 position string a 2nH inductor

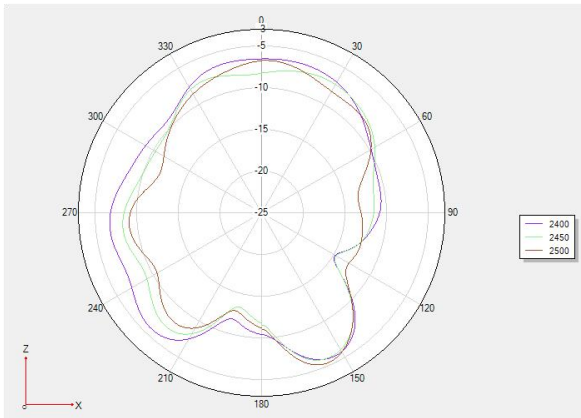
New antenna grid test diagram



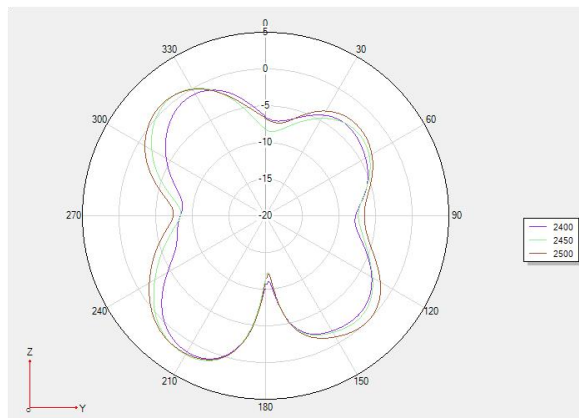
Frequency	Efficiency / %	Gain/ dBi
2400MHz	43.7	2.09
2410MHz	44.95	2.05
2420MHz	45.34	2.09
2430MHz	45.28	2.05
2440MHz	45.54	2.13
2450MHz	44.16	2.12
2460MHz	44.02	2.06
2470MHz	45.94	2.33
2480MHz	46.98	2.22
2490MHz	47.94	2.26
2500MHz	46.24	2.28

New antenna test 2D3D image

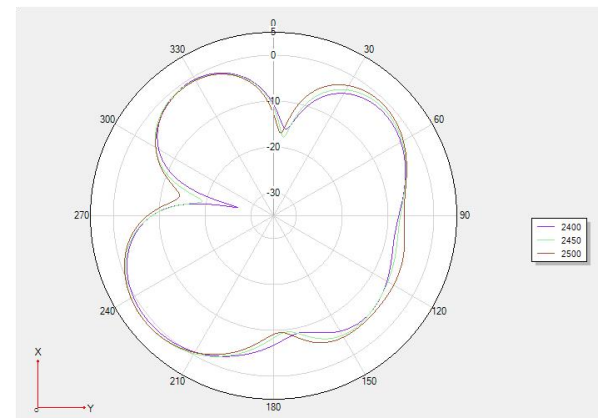
Phi 0 2Dfigure



Phi 90 2Dfigure

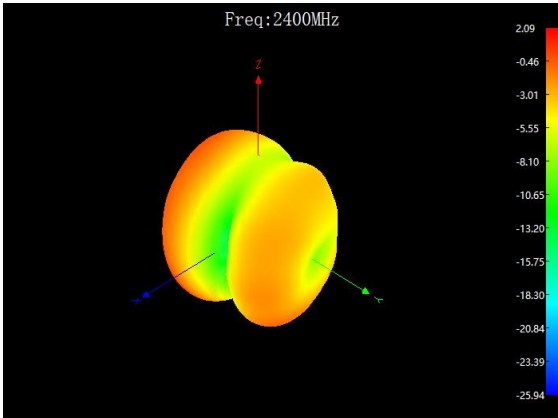


Theta 90 2Dfigure



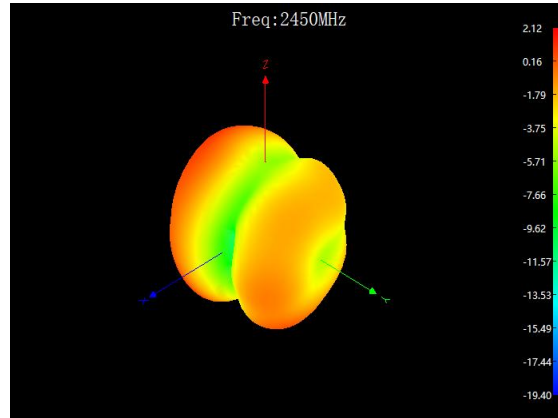
2400

Freq:2400MHz



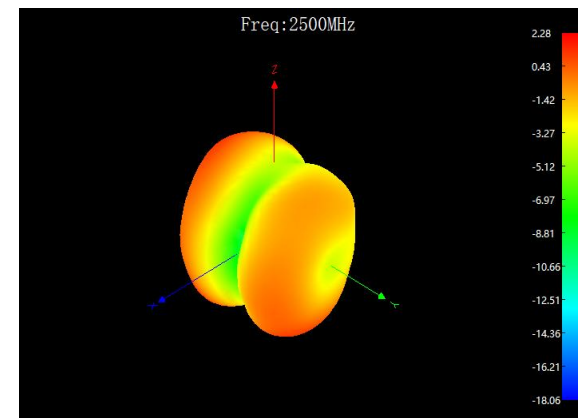
2450

Freq:2450MHz



2500

Freq:2500MHz





Thank you!

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