

Antenna test report

Customer Name:802

Project model:S1713A.473

Date:2023-10-27

edition	content	Update reason	Date
1.0	Antenna test	Initial issue	2023-10-27

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3. Original antenna location diagram
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8. New antenna S11 diagram
9. New antenna passive test data
10. New antenna passive test 2D3D diagram

Customer Name	802
Project name	S1713A. 473
Number of antennas	1
Antenna band	2400–2500MHz
Structural form	Onboard antenna

New antenna location diagram



The match is removed from the C12 position
The R7 position strings a 1PF capacitor

New antenna S11 diagram

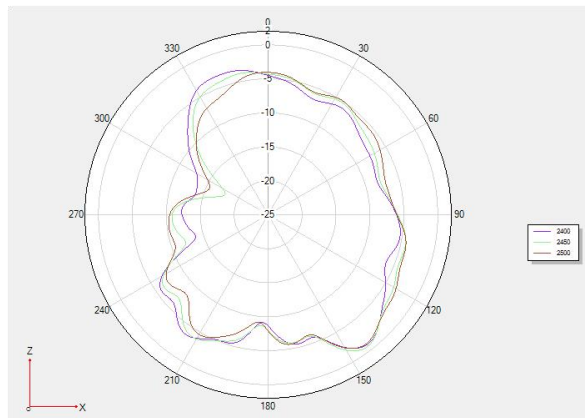


New antenna passive test data

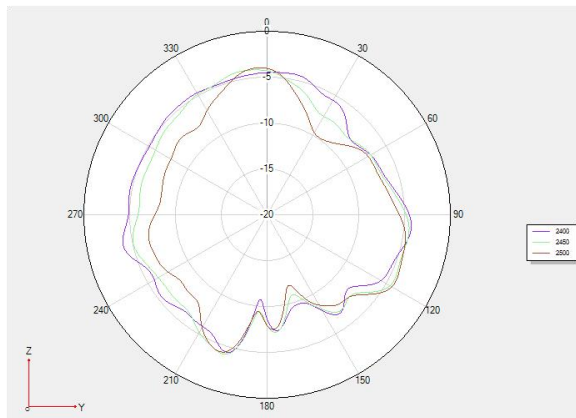
Frequency	Efficiency / %	Gain/ dBi
2400MHz	31.05	0.42
2410MHz	31.62	0.68
2420MHz	31.33	0.81
2430MHz	33.41	0.88
2440MHz	35.17	0.95
2450MHz	38.91	0.84
2460MHz	36.73	0.75
2470MHz	35.82	0.76
2480MHz	34.43	0.57
2490MHz	33.77	0.64
2500MHz	32.7	0.57

New antenna passive test 2D3D diagram

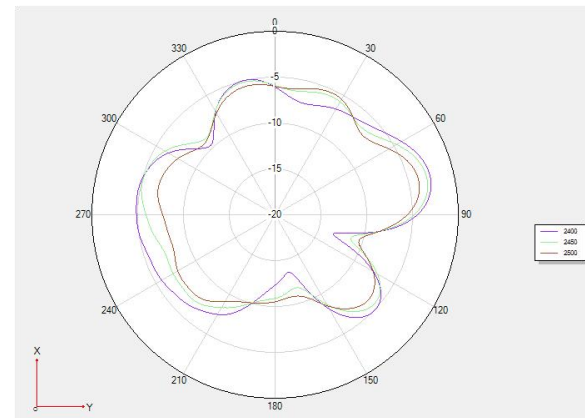
Phi 0 2Dfigure



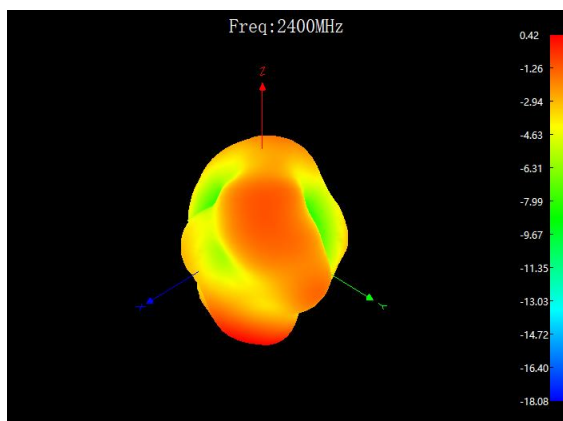
Phi 90 2Dfigure



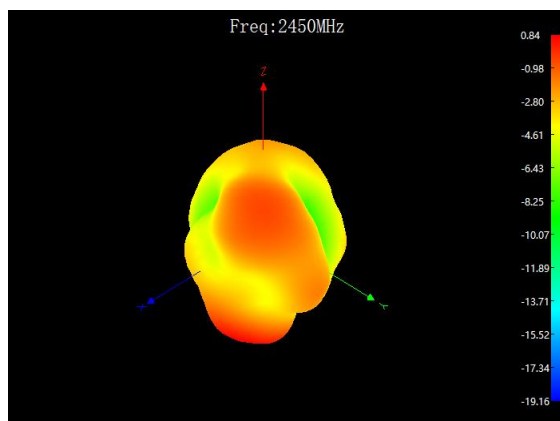
Theta 90 2Dfigure



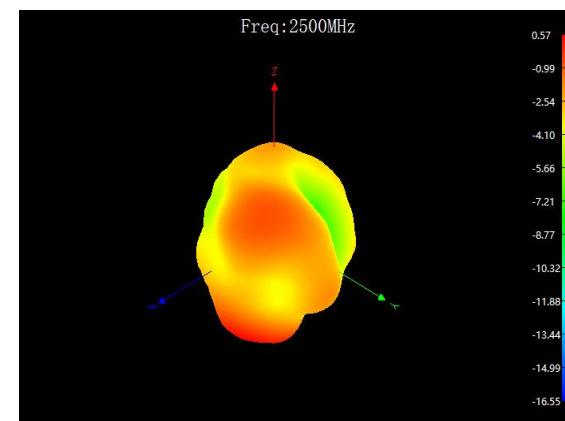
2400



2450



2500





Thank you!

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