

Antenna test report

Customer name: 802

Project model: S3925A4414-YZ

Evaluation date: 2023-09-20

edition	content	Update reason	Date
1.0	Antenna test	Initial issue	2023-09-09
2.0	Antenna test	Antenna design by numerical optimization	2023-09-11
3.0	Antenna test	Sample antenna	2023-09-20

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2. Edition record
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4. status of the project
5. Antenna and structure form
6. Antenna performance test diagram
7. Passive test data. 2D3D chart

Customer Name	802
Project name	S3925A4414-YZ
Number of antennas	1
Antenna band	2400-2500MHz
Structural form	Onboard antenna

Sample antenna and structure form



The L5 position strings a 2.2nH inductor

Sample antenna performance test diagram

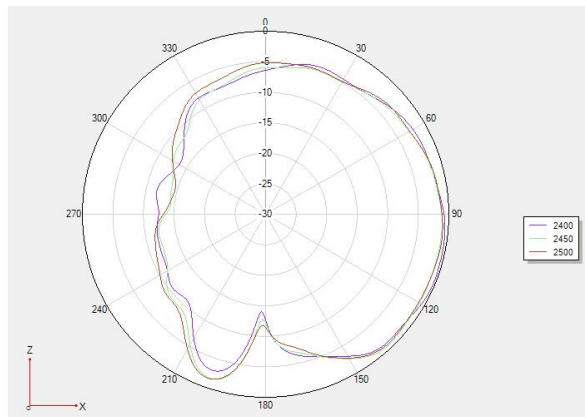


Sample antenna passive test data

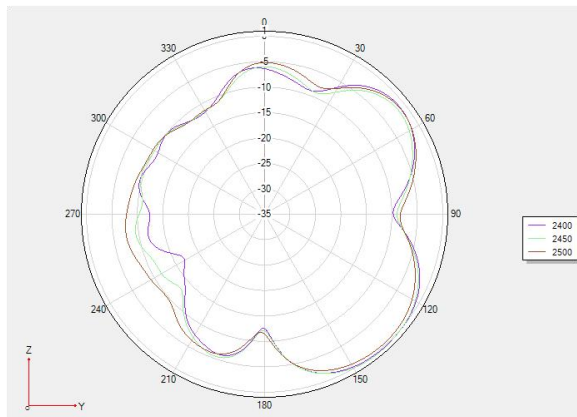
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	27.11	0.96
2410	27.49	0.88
2420	28.88	0.88
2430	29.75	0.89
2440	30.94	1.02
2450	31.36	1.08
2460	30.51	1.04
2470	28.71	0.93
2480	28.38	0.87
2490	27.24	0.83
2500	26.54	0.82

Sample antenna passive 2D 3D diagram

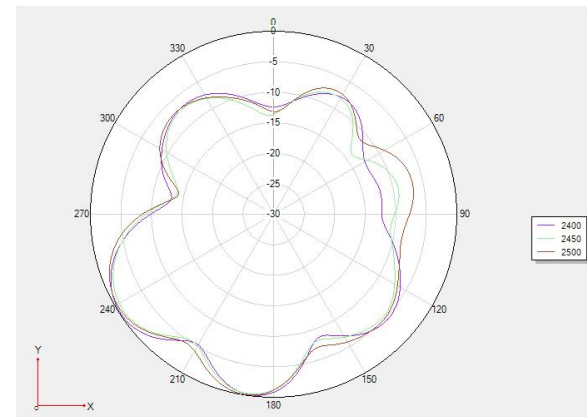
Phi 0 2Dfigure



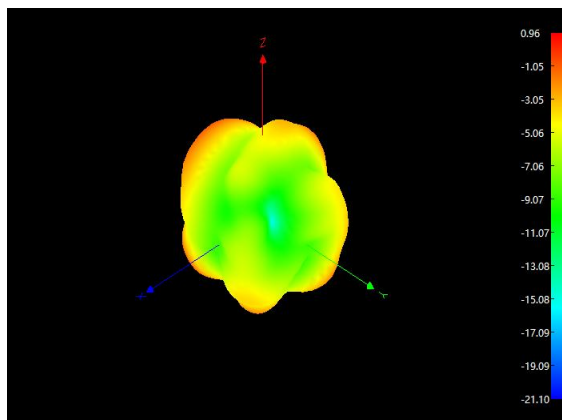
Phi 0 2Dfigure



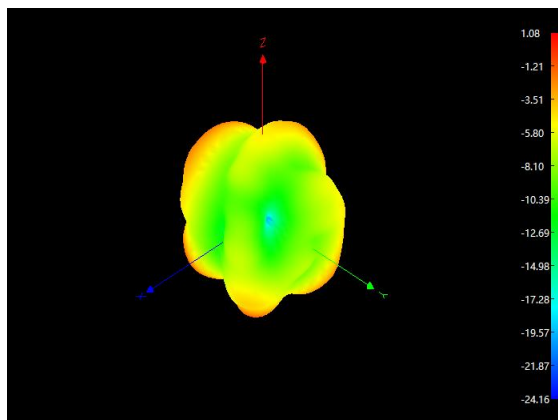
Theta 90 2Dfigure



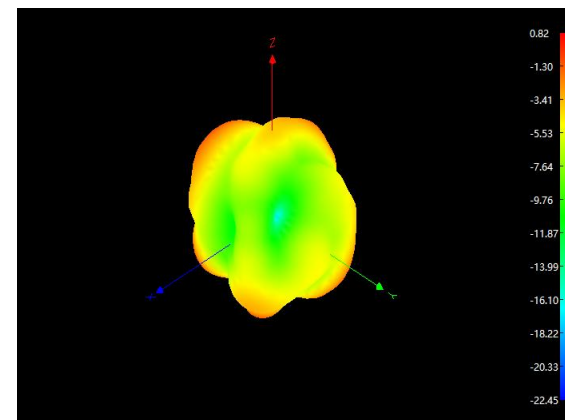
2400



2450



2500





Thank you!

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