

Antenna test report

Customer name: 802

Project model: S1718A4534

Evaluation date: 2023-02-01

edition	content	Update reason	Date
1.0	Antenna test	Initial issue	2024-02-01

Directory:

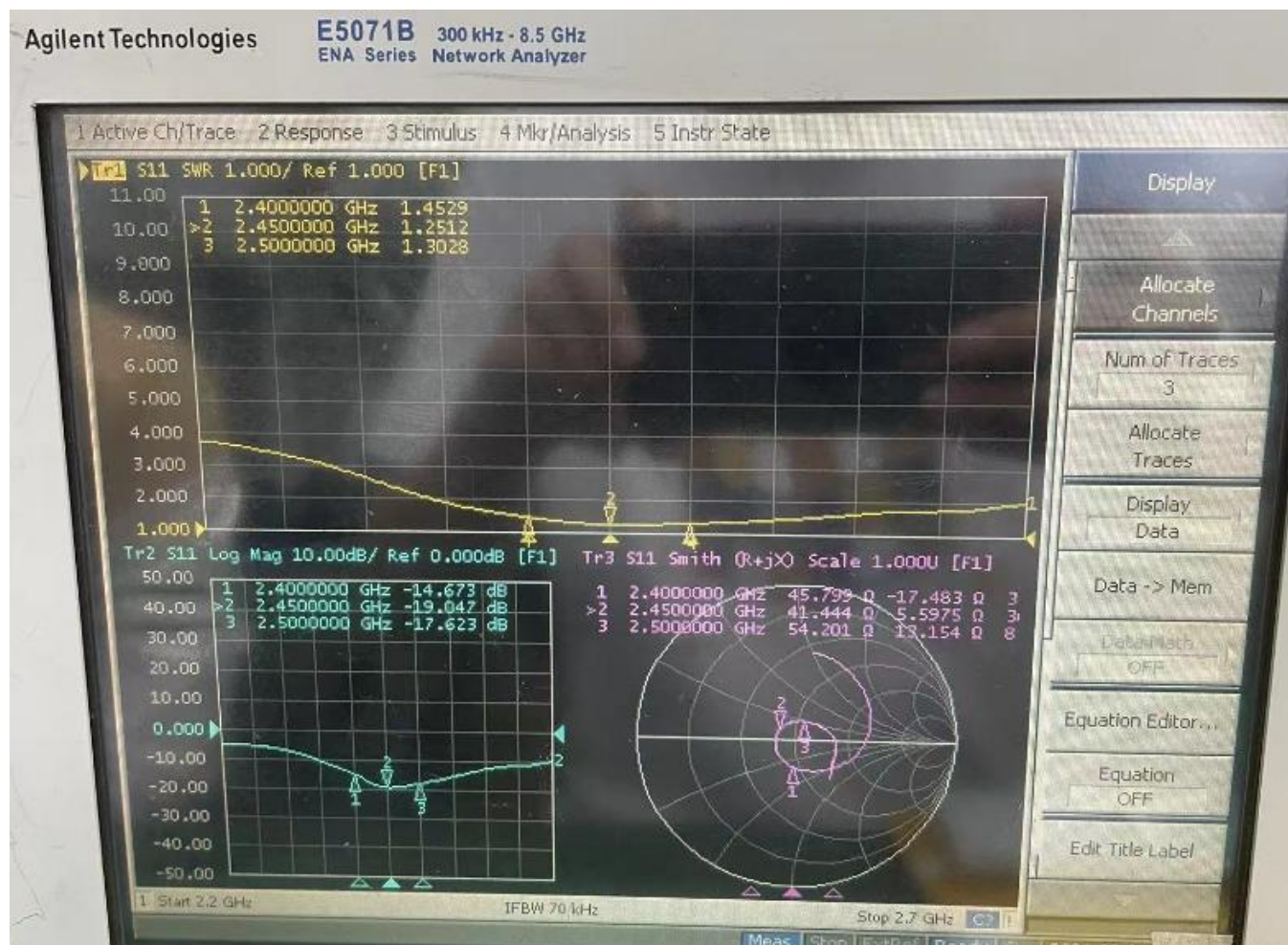
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5. Antenna and structure form	...
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Customer Name	802
Project name	S1718A4534
Number of antennas	1
Antenna band	2400–2500 MHz
Structural form	Onboard antenna



C25 position and a 1pf capacitor, L2 position string a 5.1NH inductor, C28 position match removed

Antenna performance test diagram

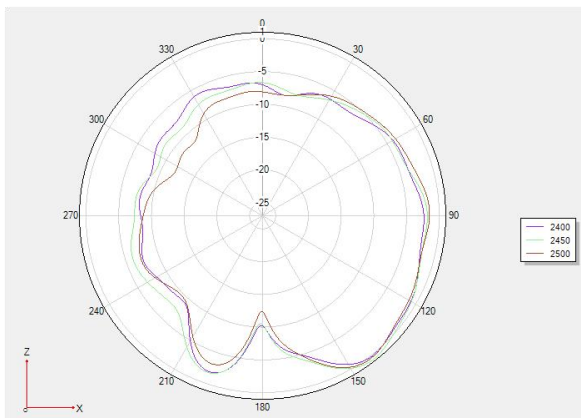


Antenna passive test data

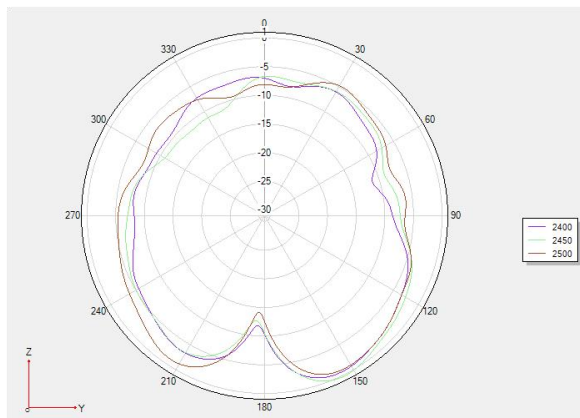
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	40.08	0.46
2410	40.18	0.47
2420	41.73	0.54
2430	41.81	0.59
2440	41.75	0.69
2450	43.46	0.76
2460	44.46	0.75
2470	44.88	0.64
2480	45.88	0.71
2490	48.1	0.81
2500	46.67	0.57

Antenna passive 2D 3D diagram

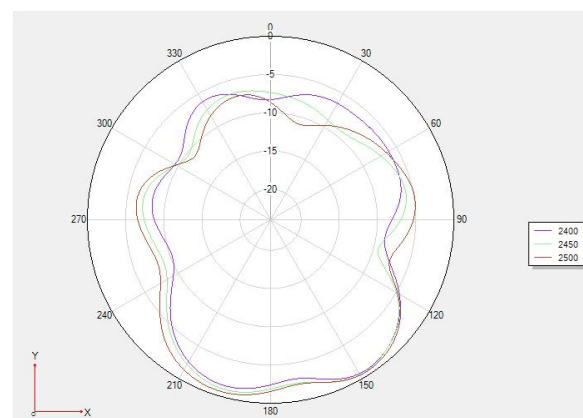
Phi 0 2D图



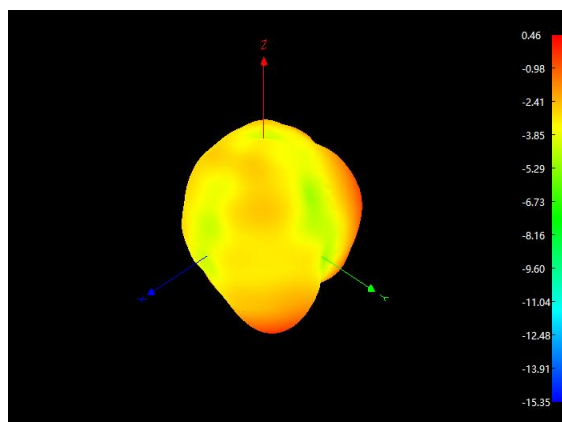
Phi 90 2D图



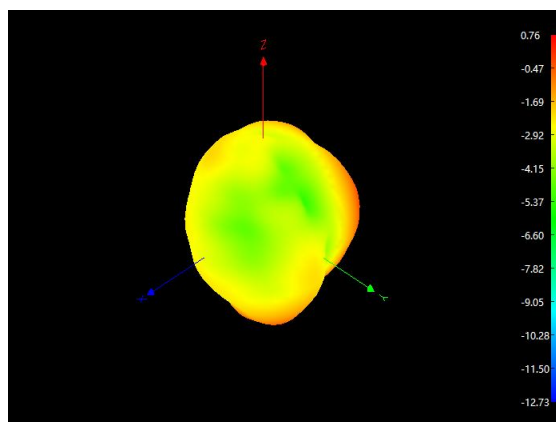
Theta 90 2D图



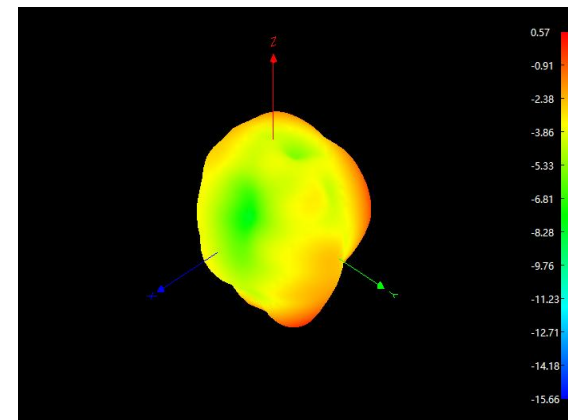
2400



2450



2500



Antenna size diagram





Thank you!

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