

Antenna test report

Customer name: DF

Item type: MX618

Date of evaluation: 2023-08-16

Edition record

edition	content	Update reason	date
1.0	Antenna test	Initial issue	2023-08-16

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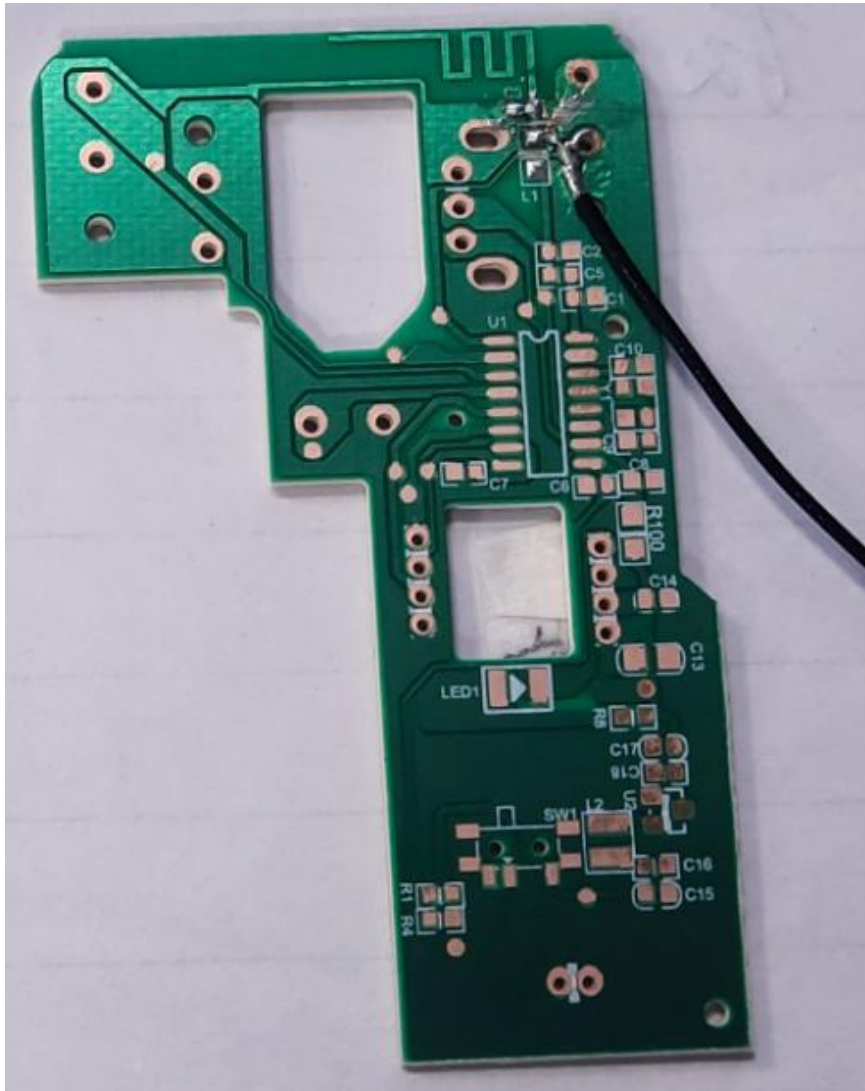
Project situation

Customer name:	DF
Project name	MX618
Number of antennas	1
Antenna band	2.4G
Structural form	Onboard antenna

Original antenna mesh test diagram

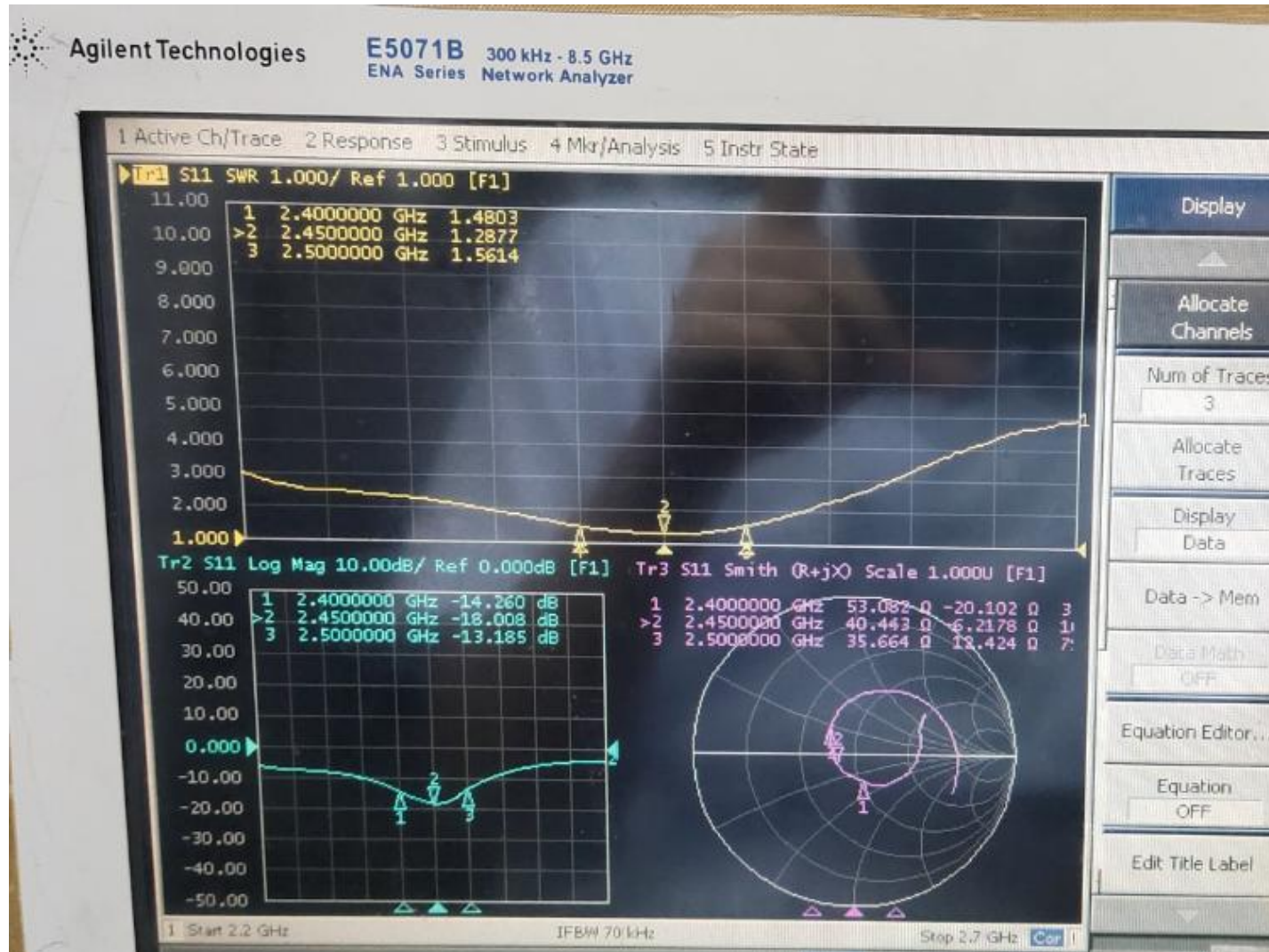


New antenna and structure form



C3 and 4.7NH
inductance, L1
series 0.5PF
capacitor

New antenna grid test diagram

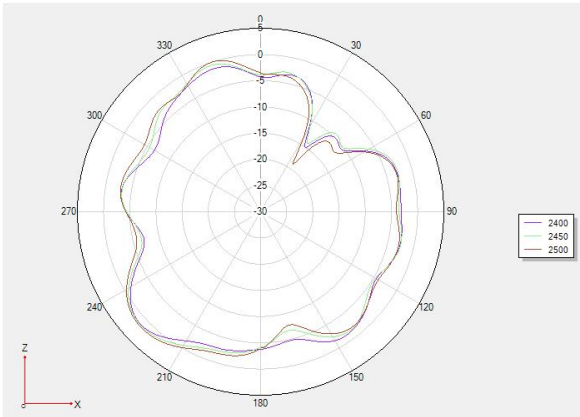


New antenna passive test data

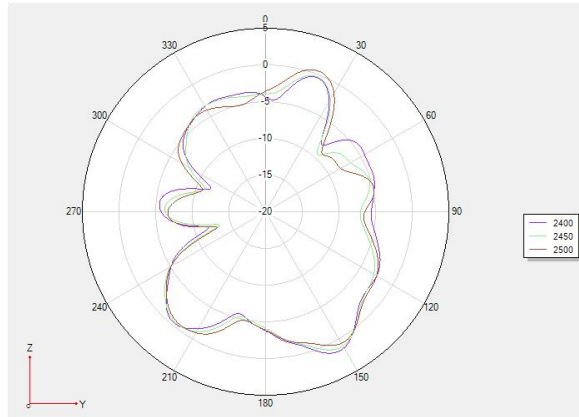
Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	2.13	48.98
2410	2.36	50.82
2420	2.42	49.32
2430	2.03	49.77
2440	2.13	49.43
2450	1.88	48.19
2460	1.67	48.19
2470	2.02	48.87
2480	1.77	47.53
2490	2.03	48.64
2500	2.4	43.05

New antenna test 2D3D image

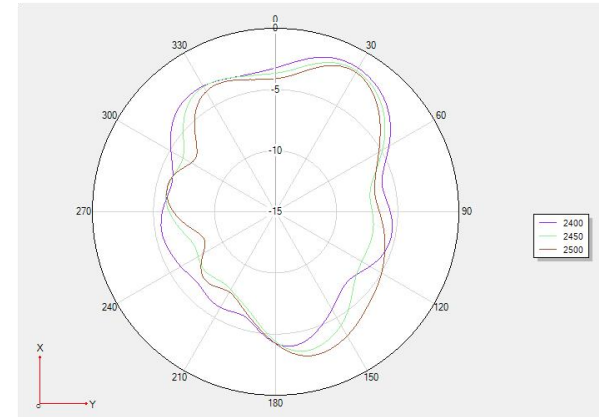
Phi 0 2D图



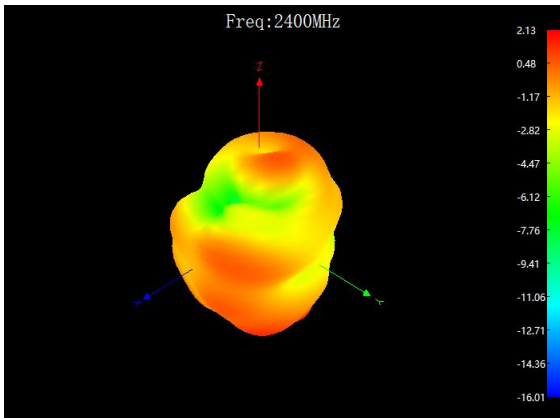
Phi 90 2D图



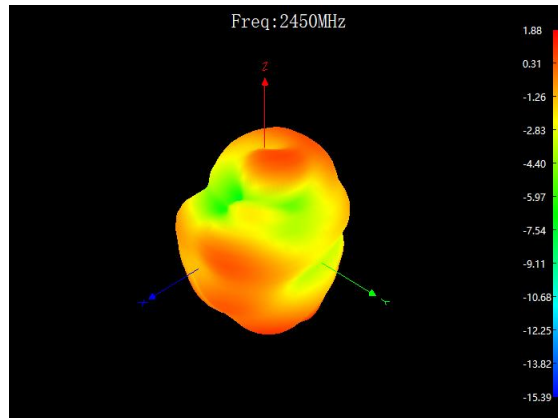
Theta 90 2D图



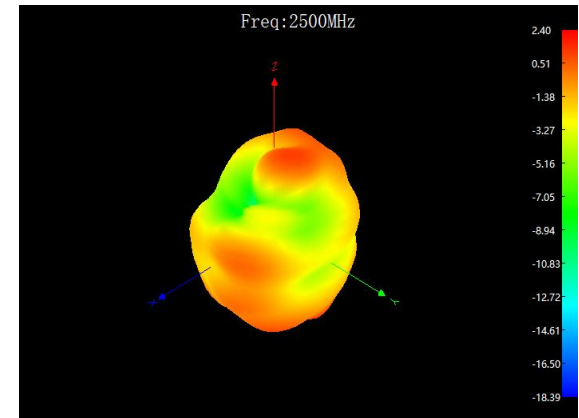
2400



2450



2500





thank you!

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