



深圳市英佳创电子科技有限公司

Shenzhen Yingjiachuang Electronic Technology Co., LTD

Product antenna commissioning report

Time: February 27, 2023

Proposed system: Huang Zhiwei

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—. Project Overview

CustomerName	Project Name	Antenna implementation method
802	SRC-2010	Onboard antenna
Working frequency band (MHz)		
2.4G	2400-2500 MHz	

Directory:

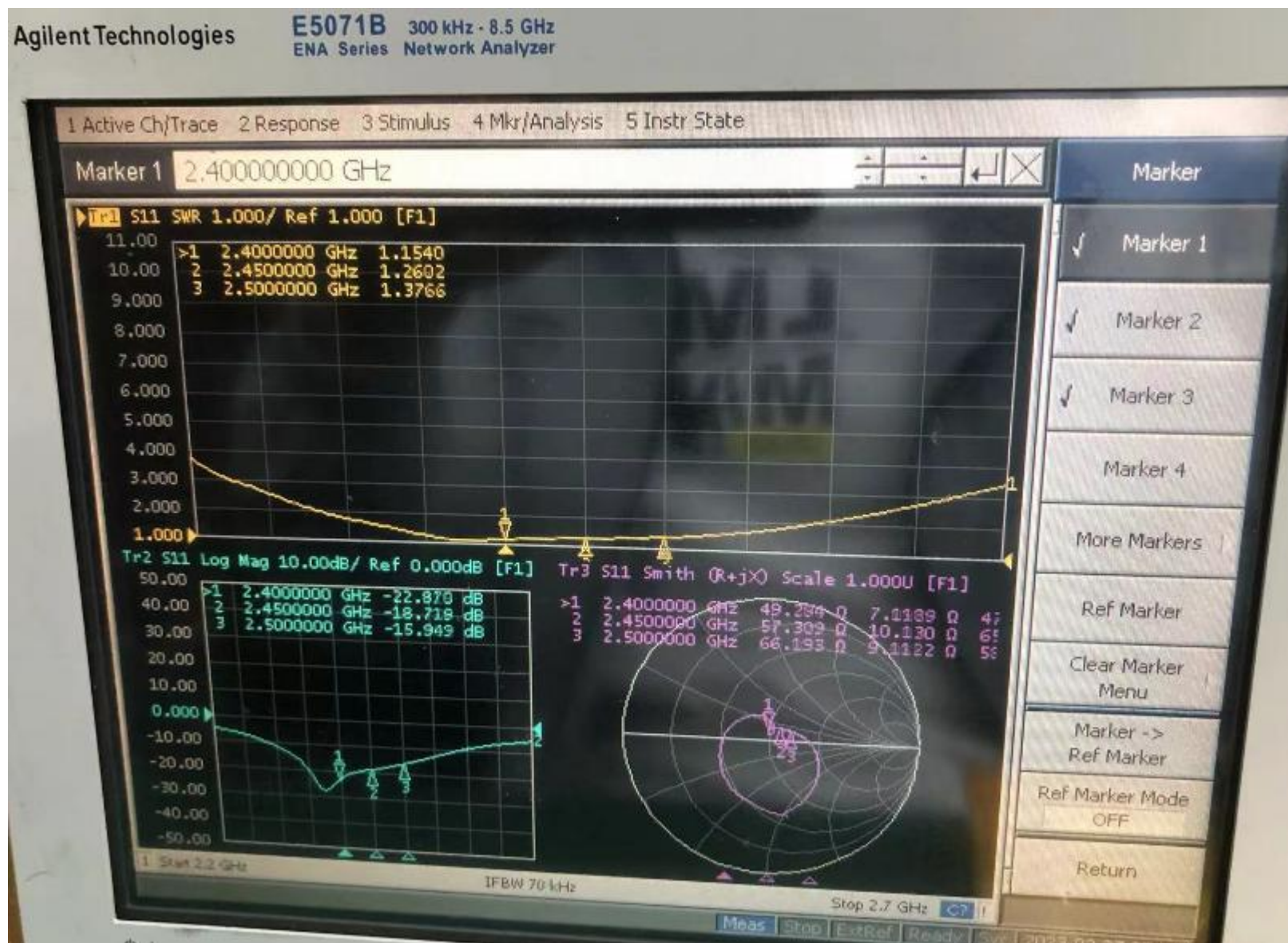
4. Original antenna location diagram
5. Standing wave diagram of the original antenna
6. Passive test data of the original antenna
7. 2D3D image of original antenna test
8. New antenna change chart
9. Standing wave diagram of the new antenna
10. New antenna passive test data
11. New antenna test 2D3D diagram

New antenna change chart

The R62 position string a
2.2nH inductor
The original C42 position
match is removed



Standing wave diagram of the new antenna

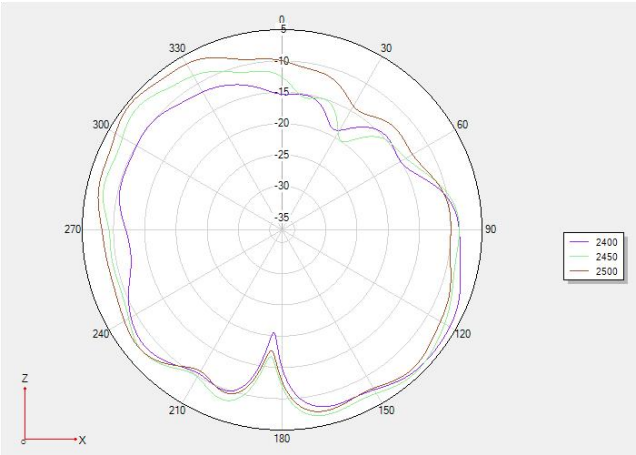


New antenna passive test data

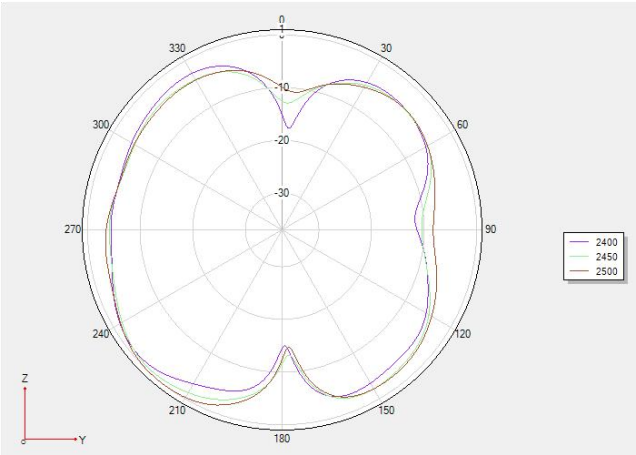
Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	20.7	0.09
2410MHz	22.14	0.11
2420MHz	23.56	0.15
2430MHz	23.84	0.11
2440MHz	23.28	0.19
2450MHz	25.65	0.11
2460MHz	24.98	0.12
2470MHz	26.5	0.17
2480MHz	25.34	0.18
2490MHz	27.55	0.21
2500MHz	26.88	0.17

New antenna test 2D3D diagram

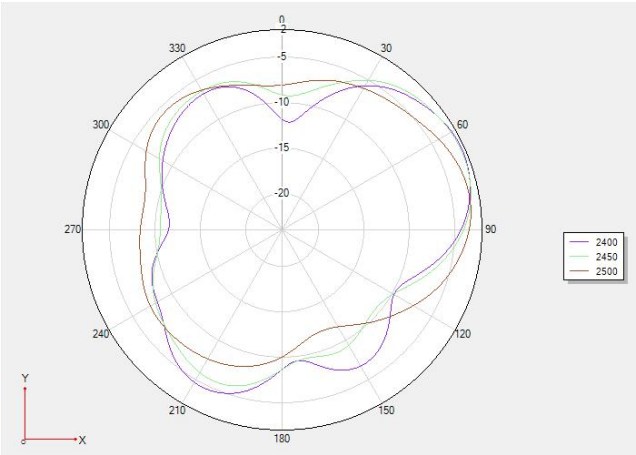
Phi 0 2Dfigure



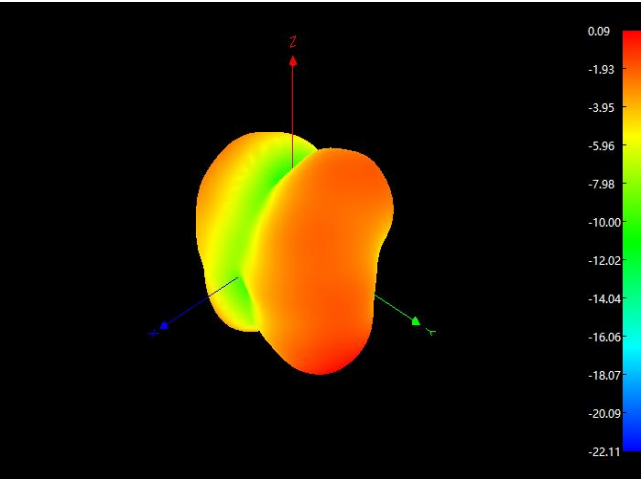
Phi 90 2Dfigure



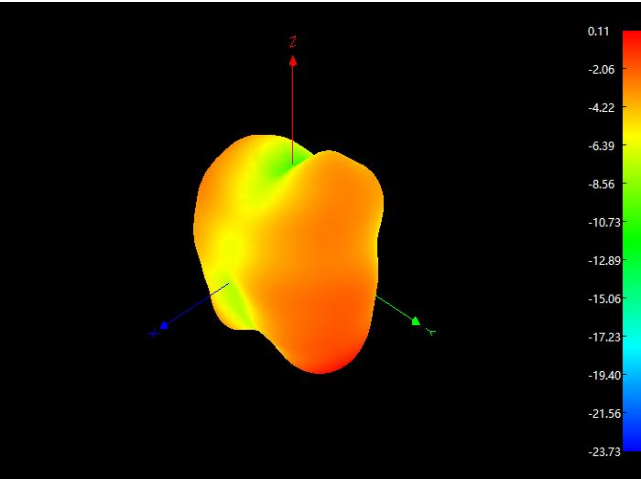
Theta 90 2Dfigure



2400



2450



2500

