



深圳市英佳创电子科技有限公司

Shenzhen Yingjiachuang Electronic Technology Co., LTD

Product antenna commissioning report

Date: May 22, 2023

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—. Project Overview

CustomerName	Project Name	Antenna implementation method
802	S4020	Onboard antenna
Working frequency band (MHz)		
2.4G	2400-2500 MHz	

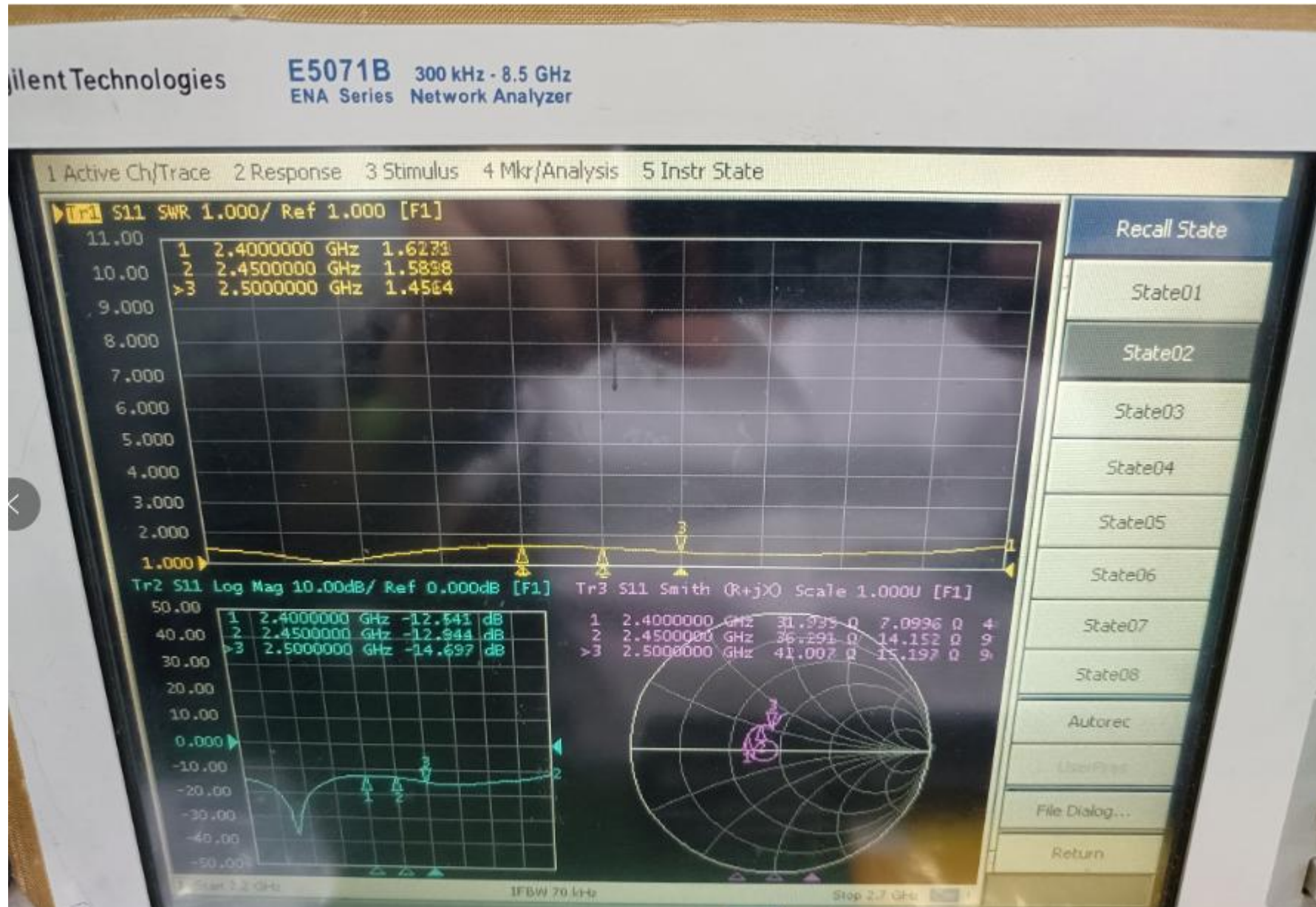
directory:

4. Original antenna location diagram
5. Standing wave diagram of the original antenna S11
6. 2.4G passive test data of the original antenna
7. 2D3D image of original antenna test
8. Antenna size diagram

Original antenna location diagram



Standing wave diagram of the original antenna S11

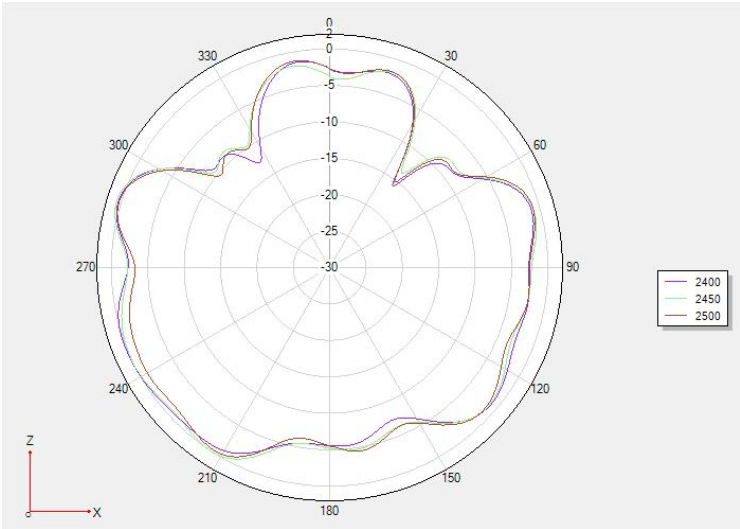


2.4G passive test data of the original antenna

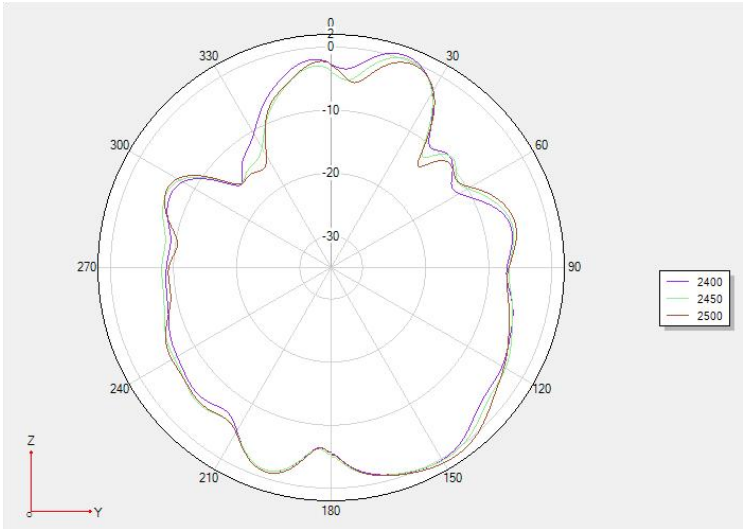
Frequency	Efficiency / %	Gain/ dBi
2400MHz	29.58	0.91
2410MHz	29.31	0.85
2420MHz	29.04	0.92
2430MHz	28.71	0.56
2440MHz	28.58	0.52
2450MHz	27.16	0.81
2460MHz	27.85	0.73
2470MHz	26.7	0.66
2480MHz	26.35	0.57
2490MHz	26.35	0.6
2500MHz	30.49	0.94

2D3D image of original antenna test

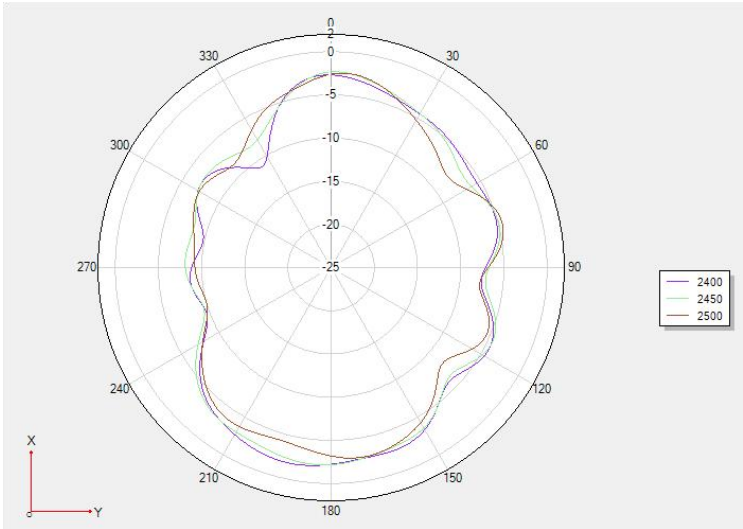
Phi 0 2D



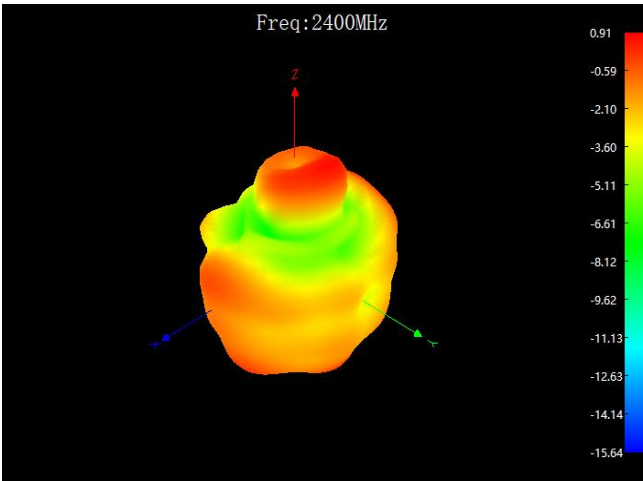
Phi 90 2D



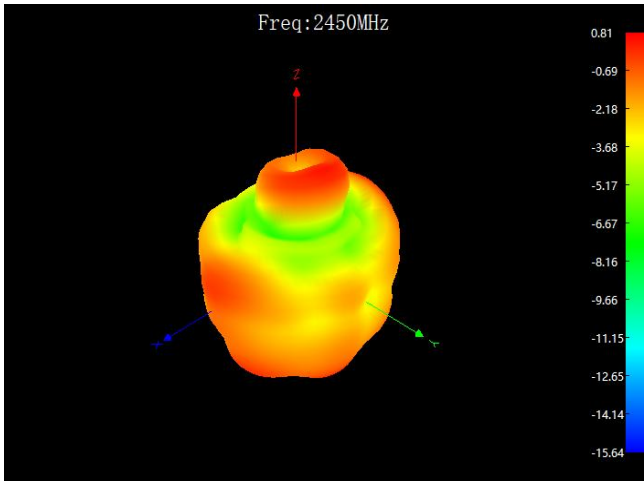
Theta 90 2D



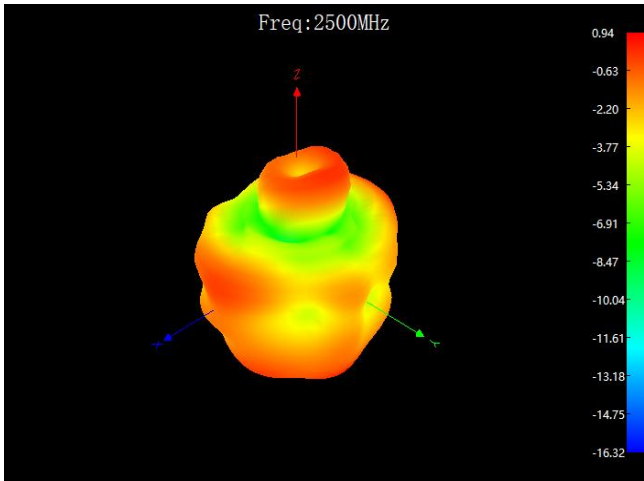
2400



2450



2500



Antenna size diagram

