



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: February 14, 2023

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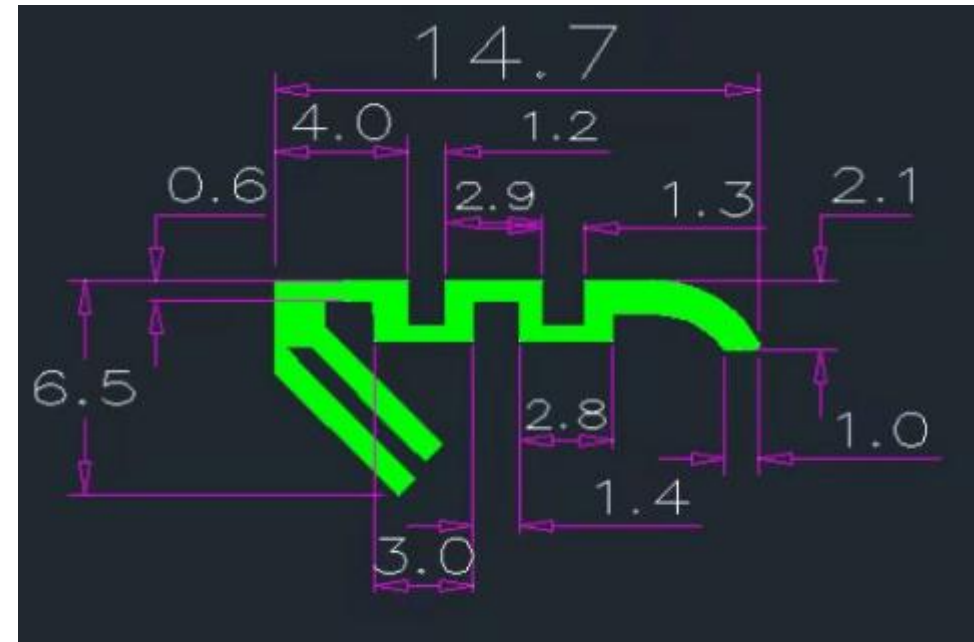
—. Project Overview

CustomerName	Project Name	Antenna implementation method
802	SRC-1228	Onboard antenna
Working frequency band (MHz)		
2.4G	2400-2500 MHz	

Directory:

4. Original antenna location diagram
5. Test diagram of the original antenna S11
6. Passive test data of the original antenna
7. Passive 2D and 3D drawings of the original antenna
8. New antenna position diagram
9. New antenna S11 test diagram
10. New antenna passive test data
11. Passive 2D and 3D drawings of the new antenna
12. Antenna position diagram of new motherboard
13. New motherboard antenna S11 test diagram
14. New motherboard antenna passive test data
15. Passive 2D and 3D drawings of the new motherboard antenna

Antenna position diagram of new motherboard



New motherboard antenna S11 test diagram

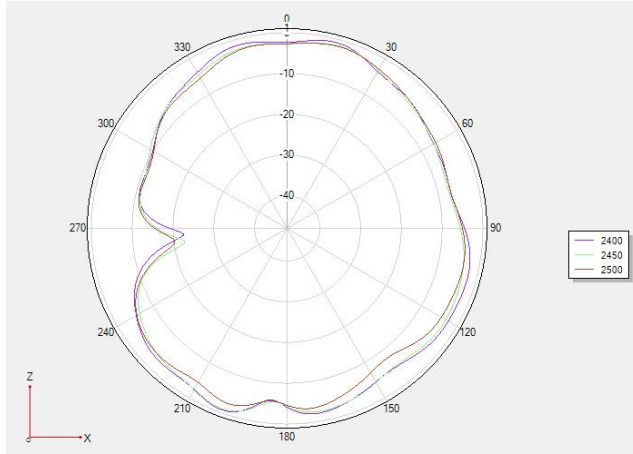


New motherboard antenna passive test data

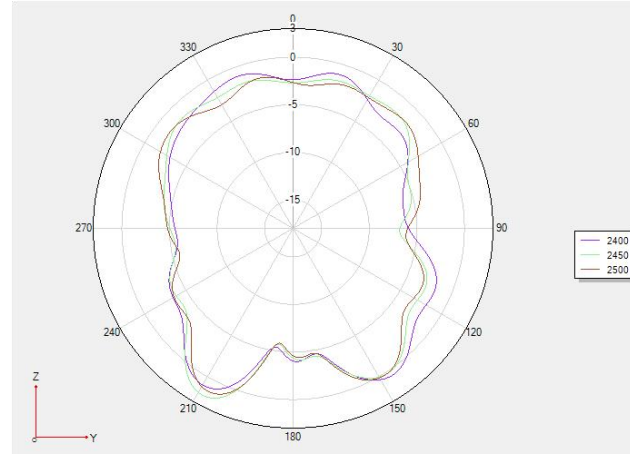
Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	38.28	2.03
2410MHz	39.36	1.95
2420MHz	40.36	2
2430MHz	39.17	1.98
2440MHz	38.98	2.08
2450MHz	39.17	2.47
2460MHz	39.22	1.87
2470MHz	40.31	2.01
2480MHz	41.57	2.27
2490MHz	40.99	2.13
2500MHz	40.28	2.04

Passive 2D and 3D drawings of the new motherboard antenna

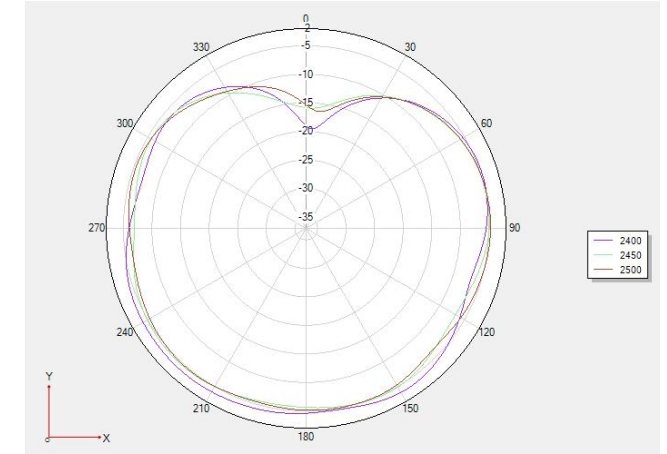
Phi 0 2D graph



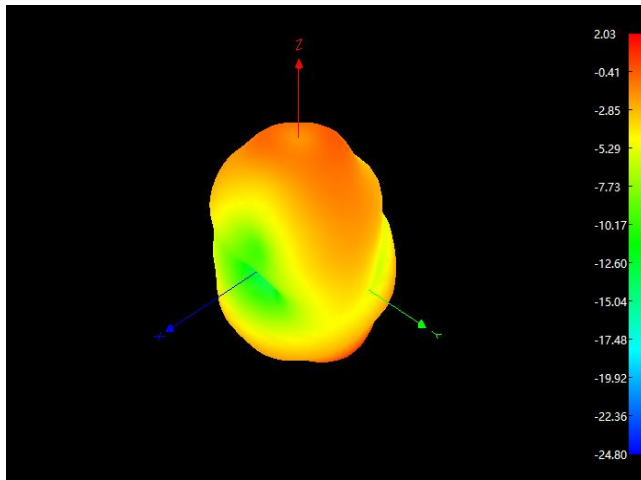
Phi 90 2D chart



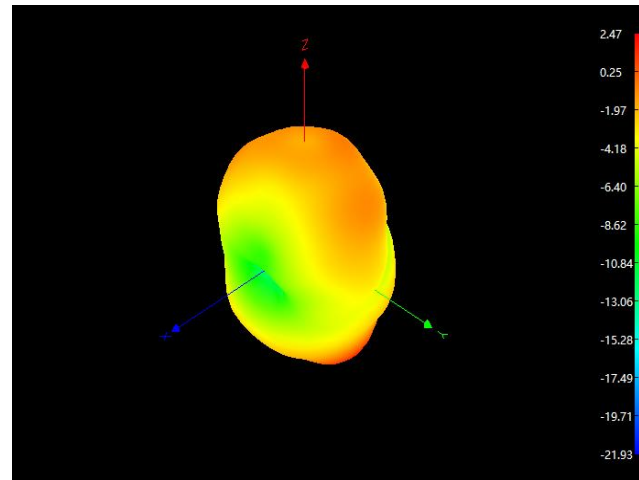
The Theta 90 2D chart



2400



2450



2500

