



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 20, 2023

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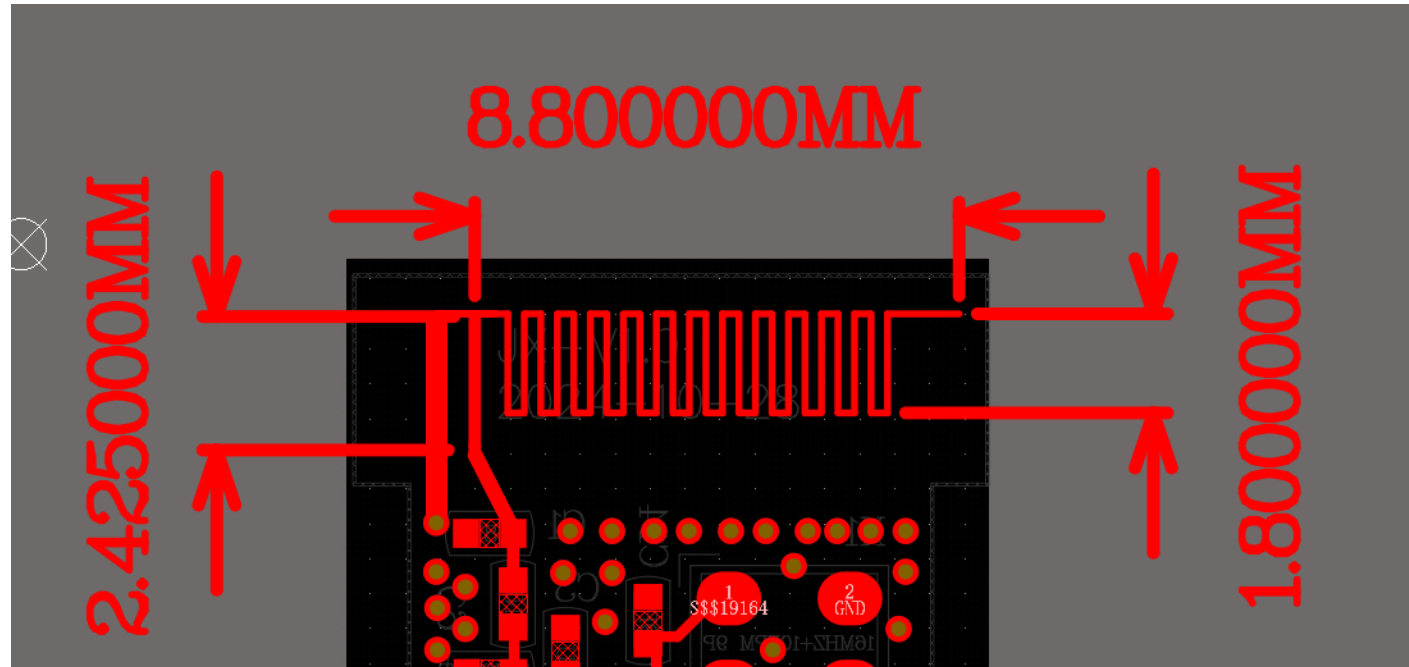
—. Project Overview

CustomerName	Project Name	Antenna implementation method
Dongle	C101A4318	Onboard antenna
working frequency range (MHz)		
2.4G	2400–2500 MHz	

catalogue:

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Antenna size



Antenna performance test chart

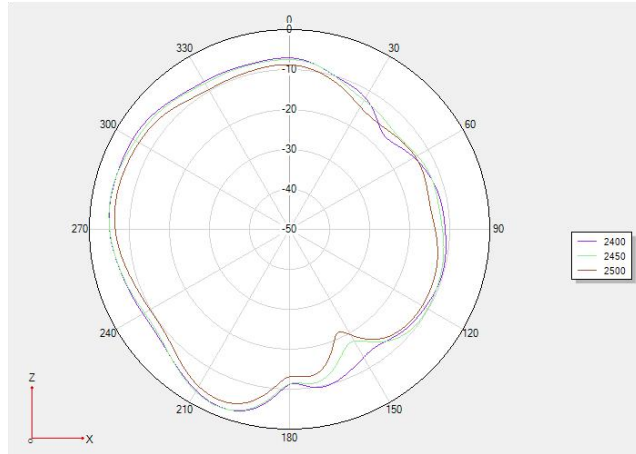


2.4G passive test data of the original antenna

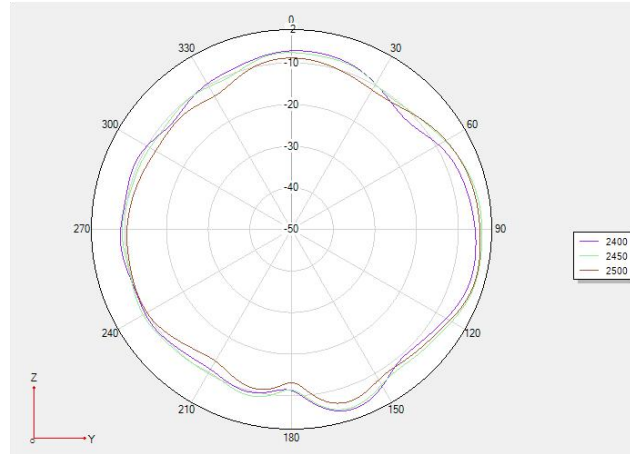
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	18.62	-1.87
2410	20.94	-1.25
2420	17.82	-2.03
2430	20.09	-1.86
2440	16.79	-1.8
2450	20.18	-2
2460	17.14	-1.79
2470	17.62	-2.64
2480	14.66	-3.26
2490	15.85	-2.83
2500	13.77	-3.4

2D3D image of the original antenna test

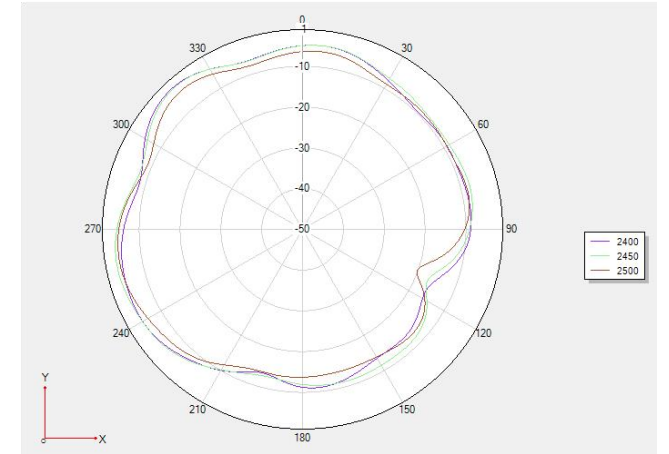
Phi 0 2Dgraph



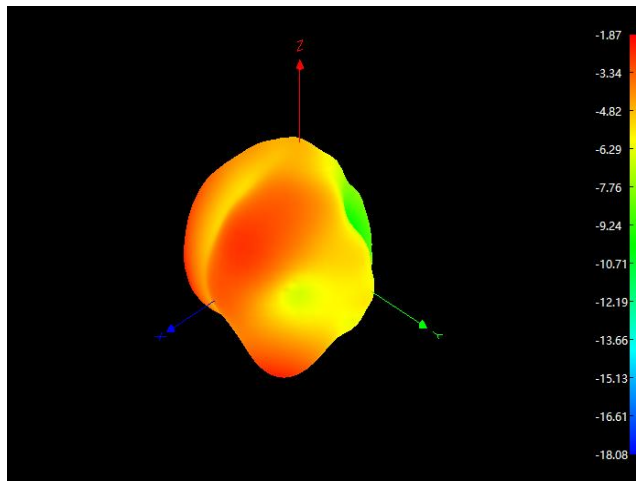
Phi 90 2Dgraph



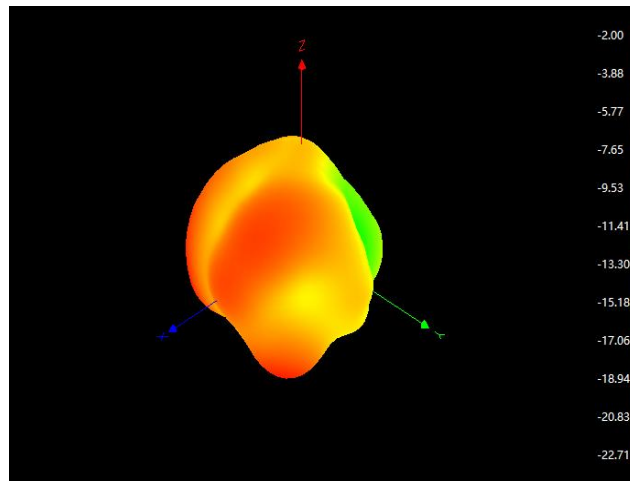
Theta 90 2Dgraph



2400



2450



2500

