



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: October 28, 2022

Proposed system: Huang Zhiwei

Audit: Fang Wenfeng

Approval: Xiao Han

Shenzhen company address: building A.C, guangming valley, hongyu guangming valley, no. 11, jiangyou magang, shiwei community, matantian office, guangming district, shenzhen

Hangzhou company address: 212, Building B, Dahua Jianghong International Innovation Park, No. 369, Internet of Things Street, Binjiang District, Hangzhou

Telephone: 0755-27810060

Fax : 0755-27810057

Company website: <http://www.szsyjc.com>

E-mail: yjc@szsyjc.com

—. Project Overview

CustomerName	Project Name	Antenna implementation method
802	SRC-3508	Onboard antenna
Working frequency band (MHz)		
2.4G	2400-2500 MHz	

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4. Original antenna location diagram
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Antenna modification diagram

C7 position string a 1.5pF capacitor
L6 position and a 4.3nH inductor



Standing wave diagram after antenna modification

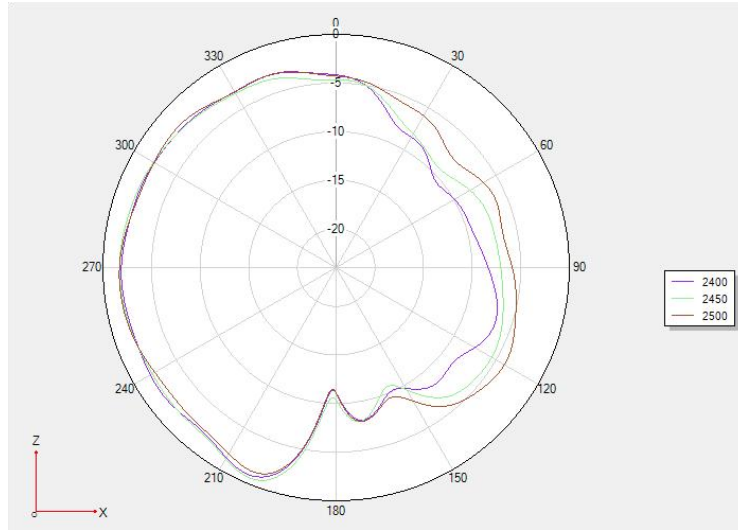


2.4G passive test data after antenna modification

Frequency	Efficiency / %	Gain/ dBi
2400MHz	32.48	1.57
2410MHz	31.51	1.35
2420MHz	38.14	2.28
2430MHz	33.7	1.44
2440MHz	38.22	1.79
2450MHz	36.36	1.53
2460MHz	38.9	1.93
2470MHz	36.04	1.59
2480MHz	38.9	1.87
2490MHz	36.43	1.71
2500MHz	36.2	1.56

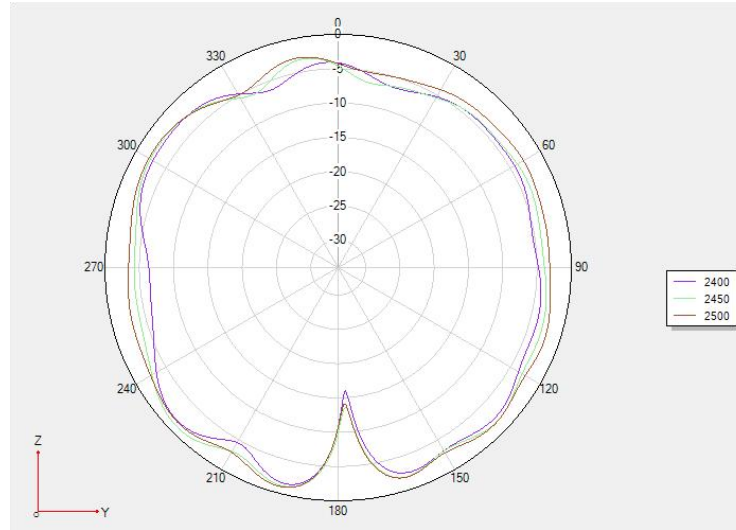
Test 2D3D diagram after antenna modification

Phi 0 2Dfigure



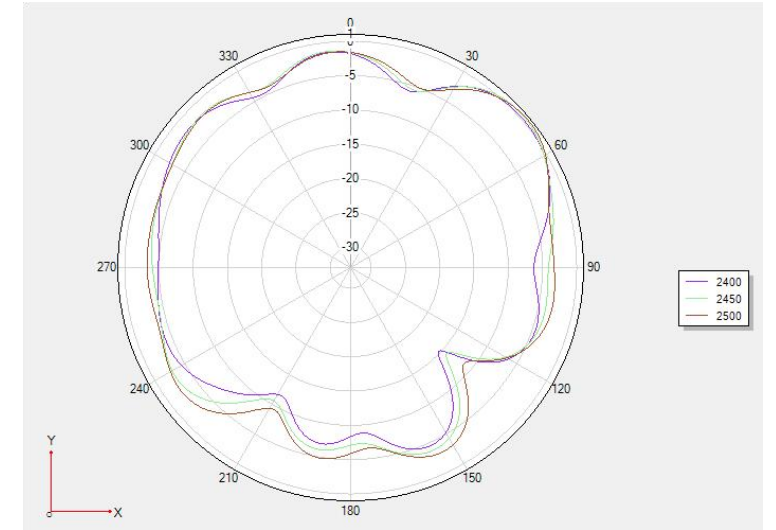
2400

Phi 90 2Dfigure



2450

Theta 90 2Dfigure



2500

