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: March 14, 2023

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

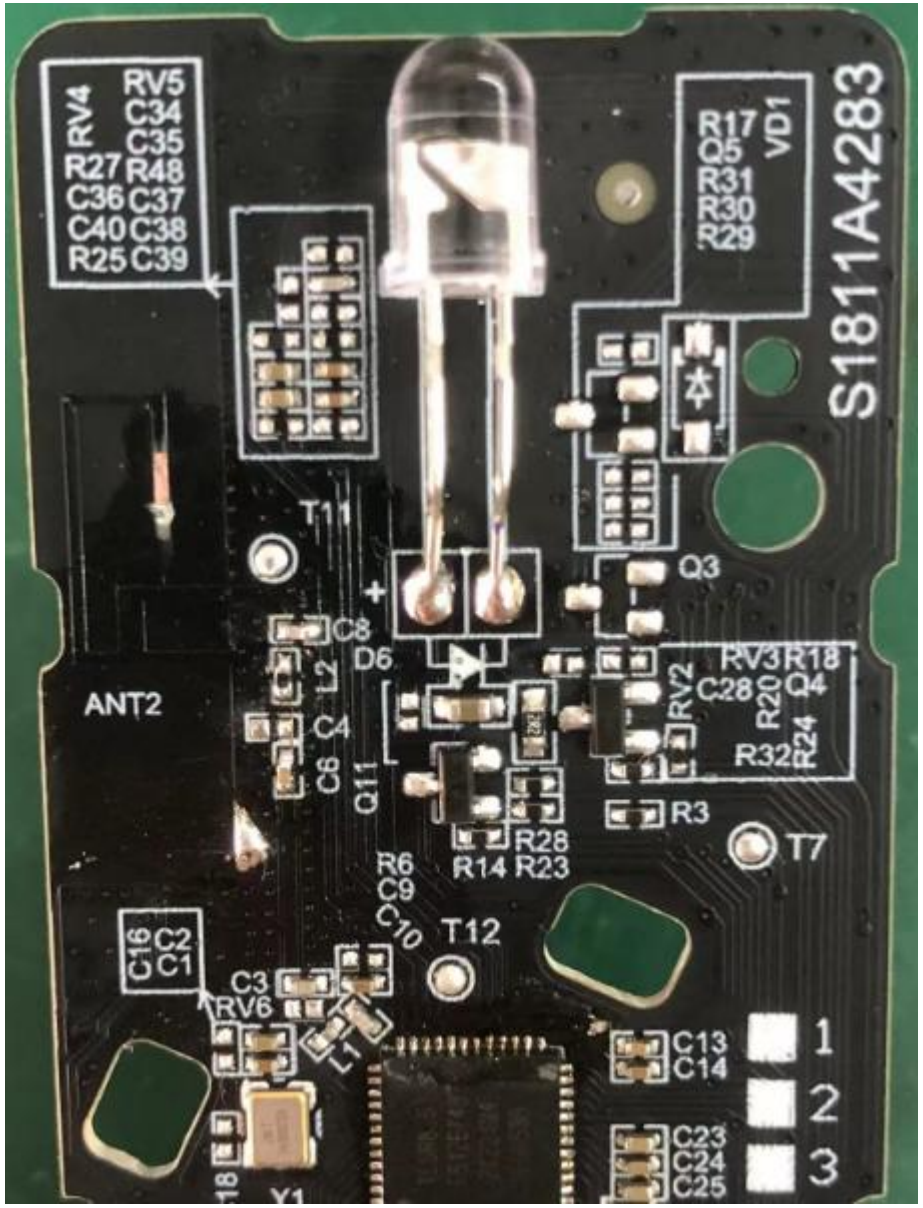
Company website: http://www.szsyjc.com E-mail: yjc@szsyjc.com

一. Project Overview

CustomerName	Project Name	Antenna implementation method
802	SRC-1811	Onboard antenna
Working frequency band (MHz）		
2.4G	2400-2500 MHz	

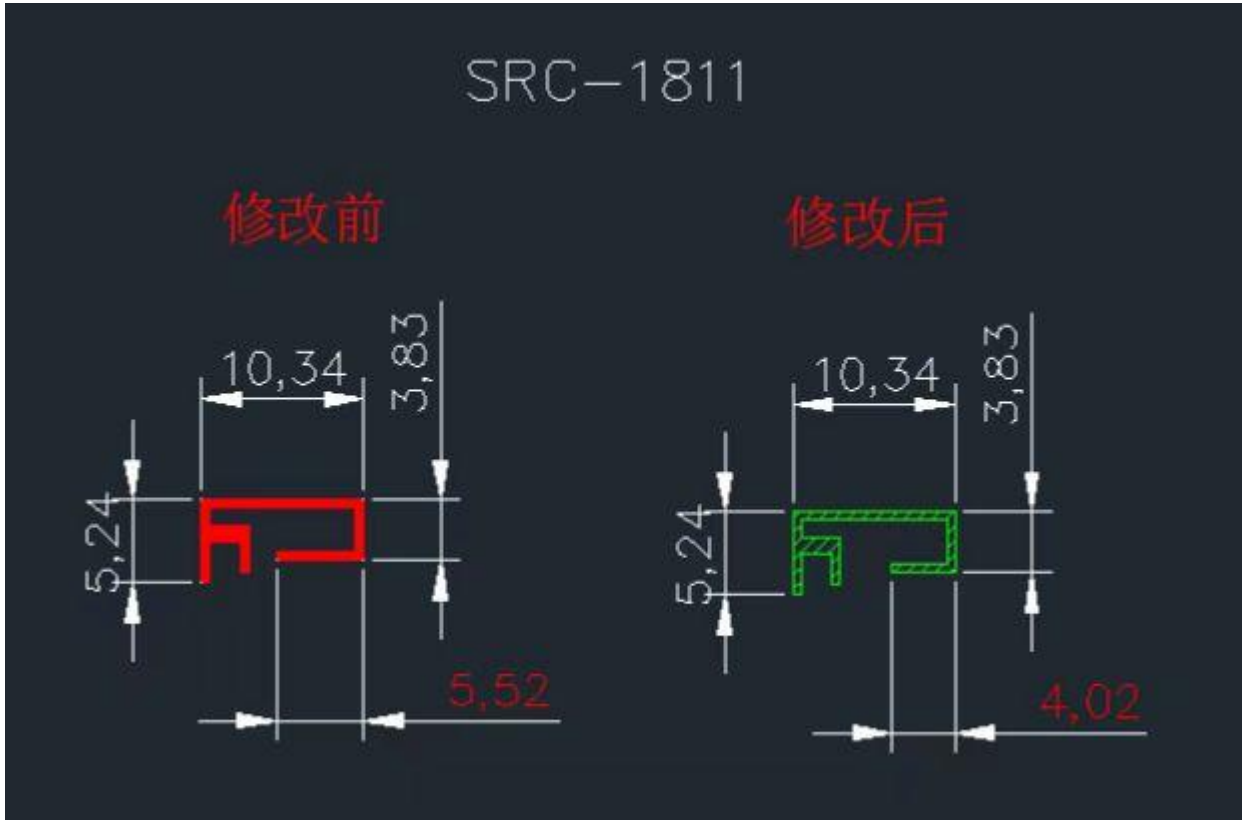
Directory:

New antenna change chart



The original C8 position match is changed to 1PF capacitor

The original L2 position match was changed to 0 ohm resistance



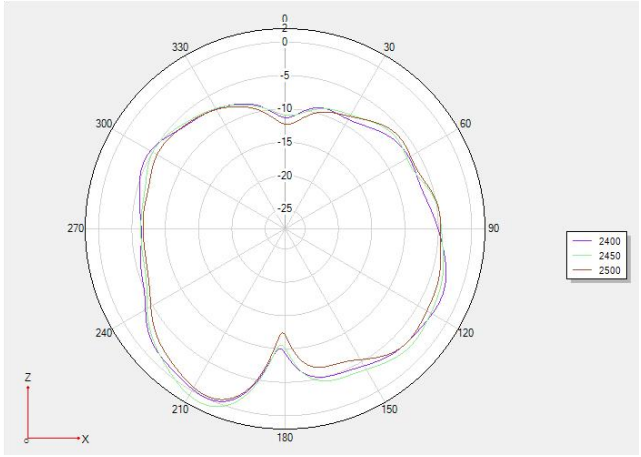
Standing wave diagram of the new antenna

New antenna passive test data

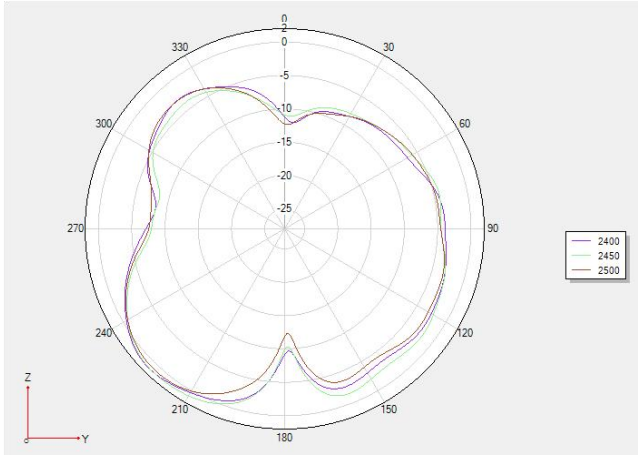
Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	**43.21**	**1.39**
2410MHz	**42.07**	**1.28**
2420MHz	**42.95**	**1.17**
2430MHz	**40.21**	**1.08**
2440MHz	**43.08**	**1.25**
2450MHz	**46.95**	**1.69**
2460MHz	**45.73**	**1.48**
2470MHz	**41.72**	**1.09**
2480MHz	**42.11**	**1.14**
2490MHz	**44.09**	**1.47**
2500MHz	**42.48**	**1.36**

New antenna test 2D3D diagram

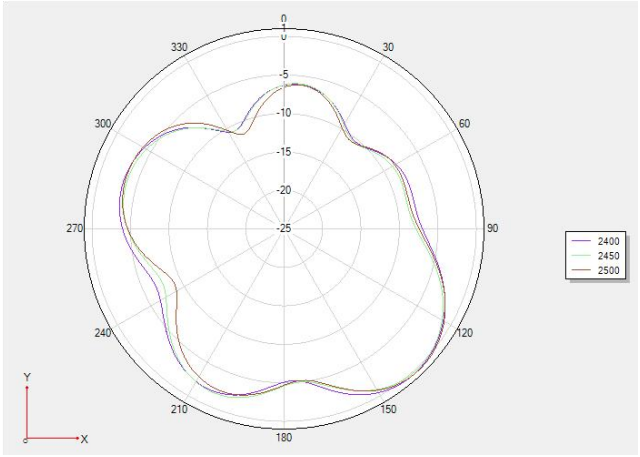
Phi 0 2Dfigure



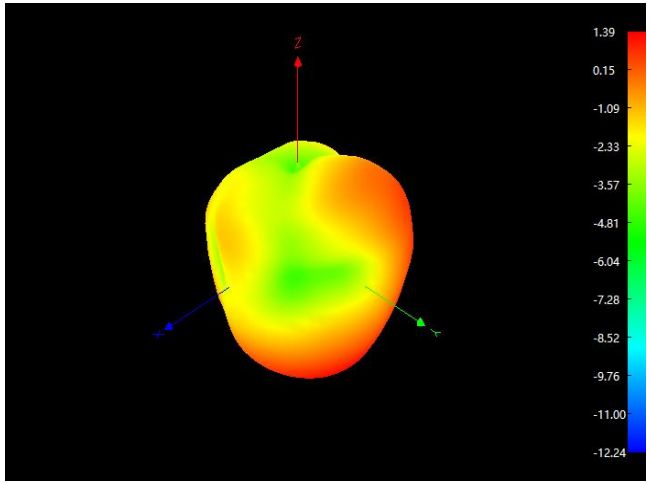
Phi 90 2Dfigure



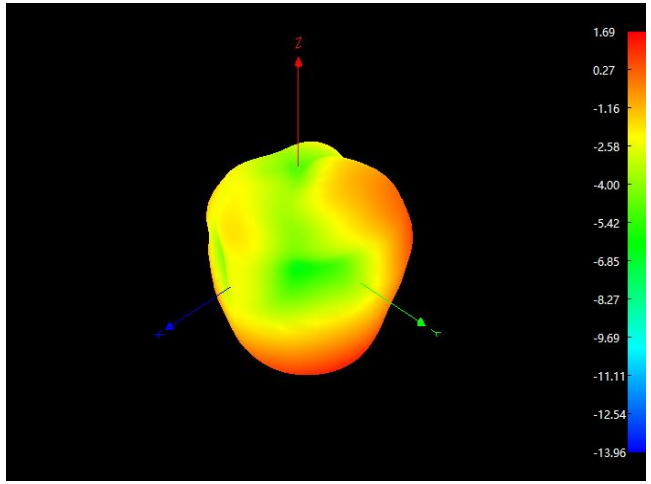
Theta 90 2Dfigure



2400



2450



2500