

Antenna test report

Customer Name:802

Project model:SRC-4220

Date:2022-5-21

edition	content	Update reason	Date
1.0	Antenna test	Initial issue	2022-5-21

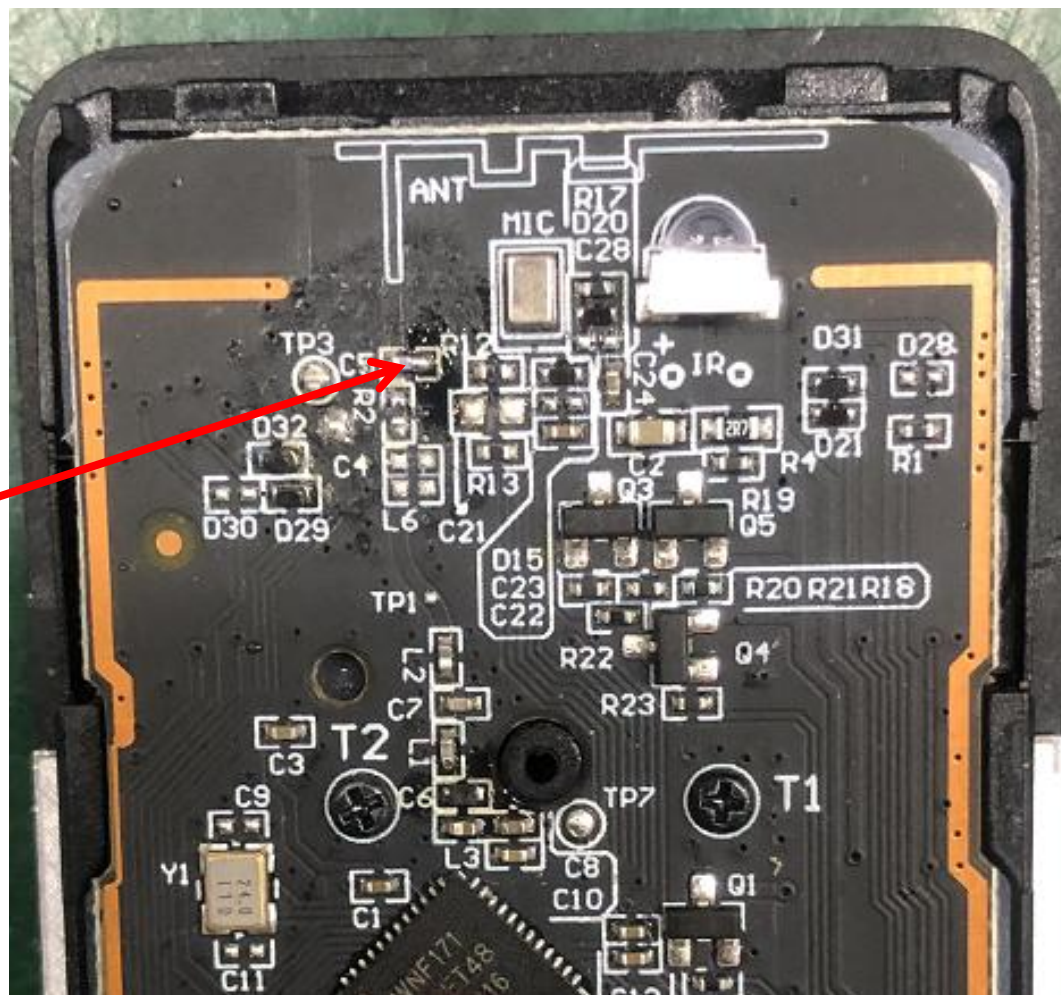
Directory:

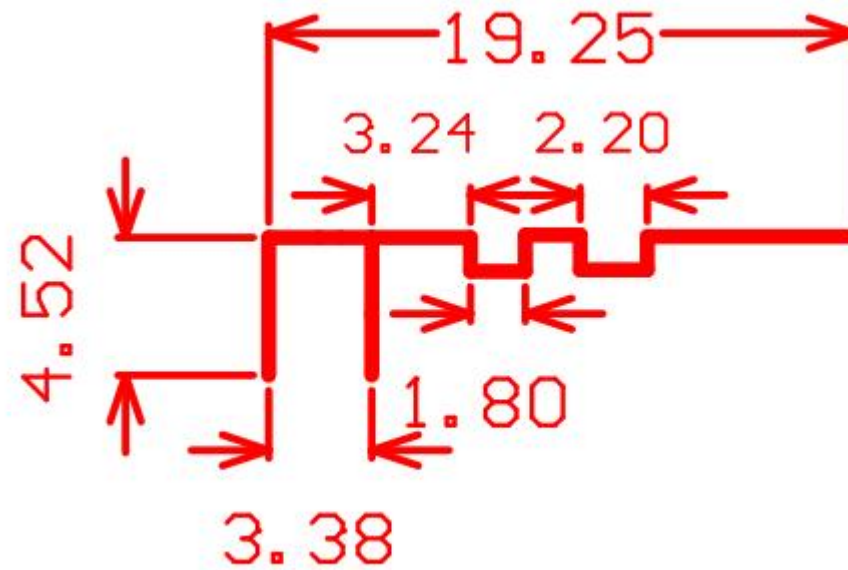
1. Edition record	...
2. Project situation	...
3. Antenna and structure form	...
4. Antenna pattern	...
5. antenna mesh test diagram	...
6. antenna passive test data	...
7. 2D3D image of the antenna test	...

Project situation

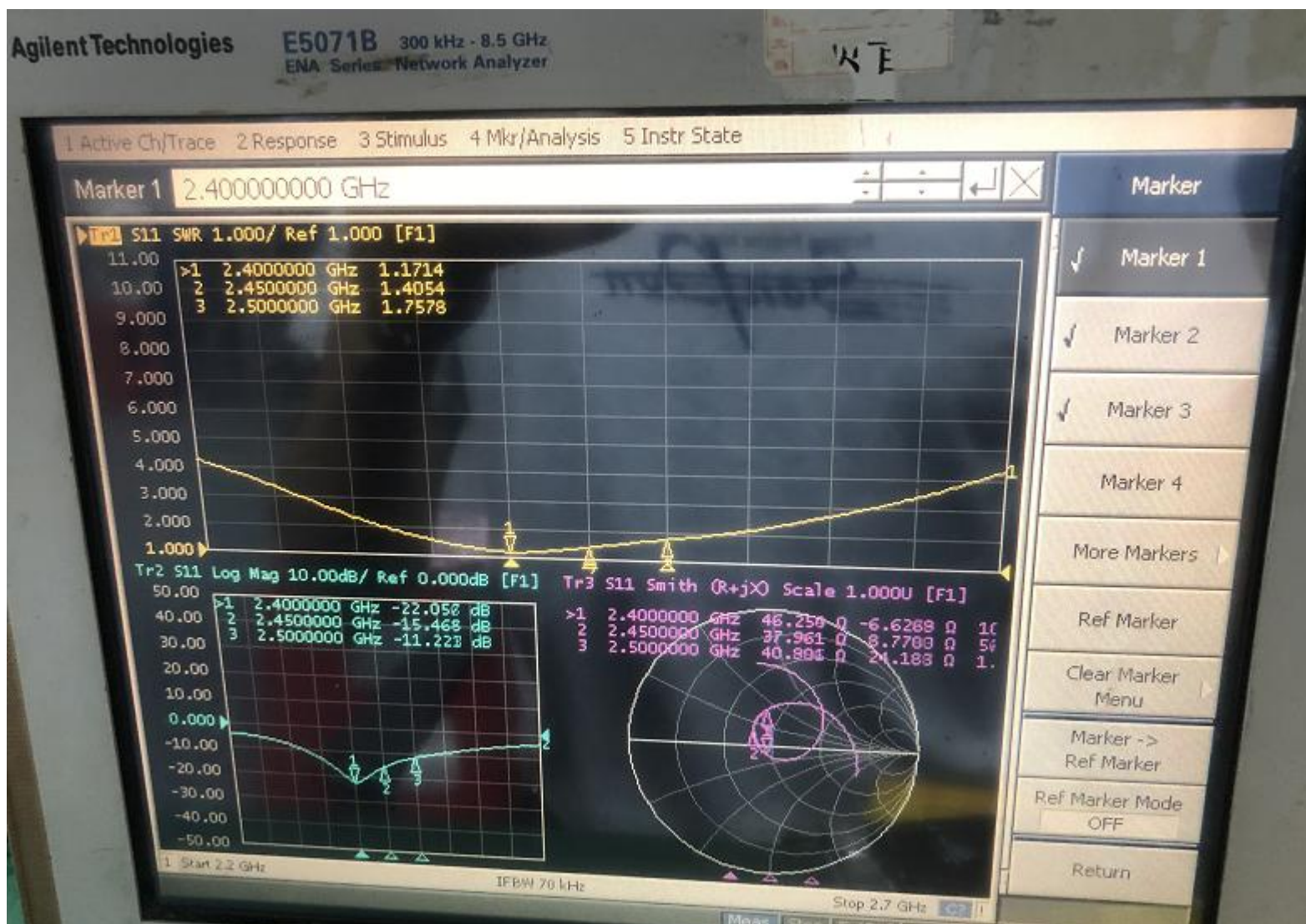
Customer Name	802
Project name	SRC-4220
Number of antennas	1
Antenna band	2400–2500 MHz
Structural form	Onboard antenna

Remove the C4 matching component and replace it with a C5 position and a 1PF capacitor.





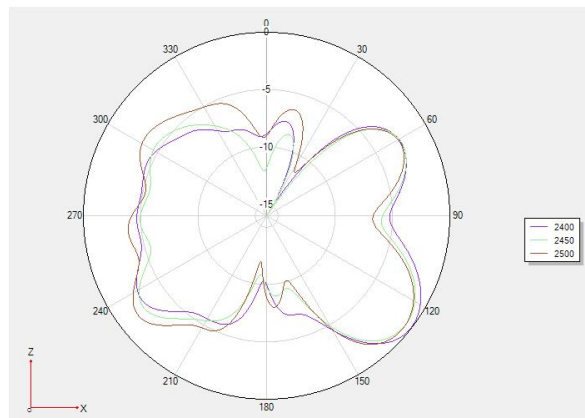
Antenna mesh test diagram



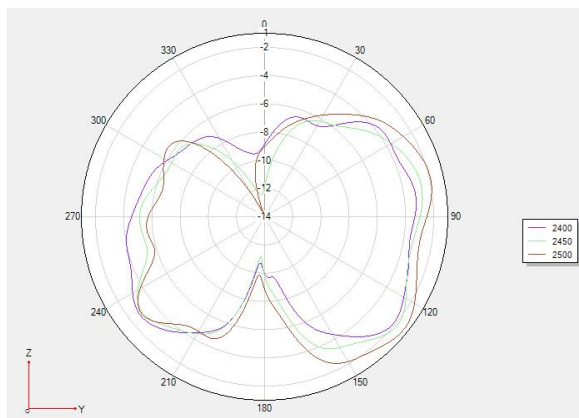
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	37.58	0.76
2410	38.37	0.59
2420	38.19	0.6
2430	39.41	1.01
2440	38.16	0.37
2450	37.14	0.44
2460	37.67	0.16
2470	36.27	0.25
2480	36.77	0.48
2490	35.21	0.32
2500	33.55	0.38

2D3D image of the antenna test

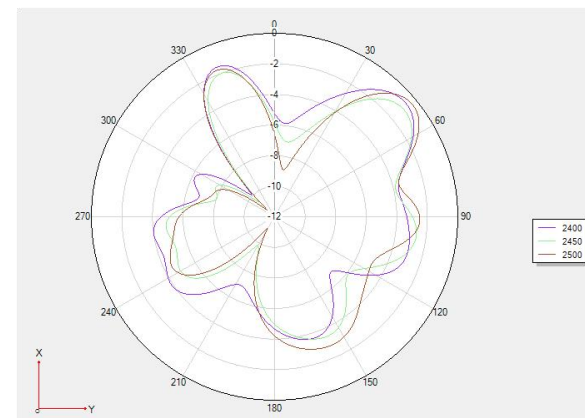
Phi 0 2Dfigure



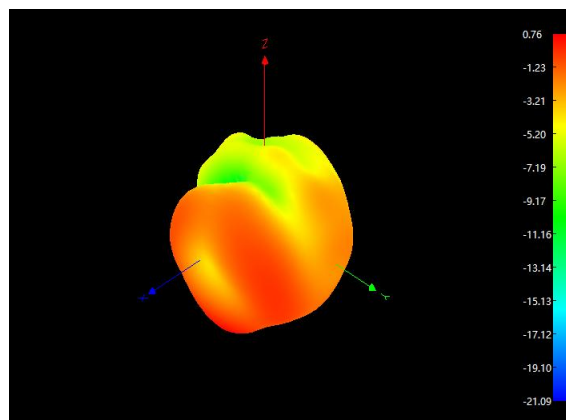
Phi 90 2Dfigure



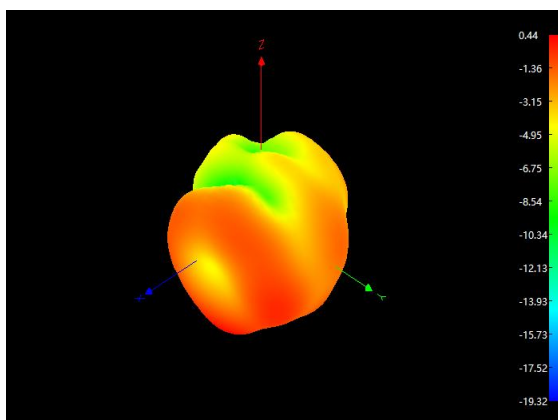
Theta 90 2Dfigure



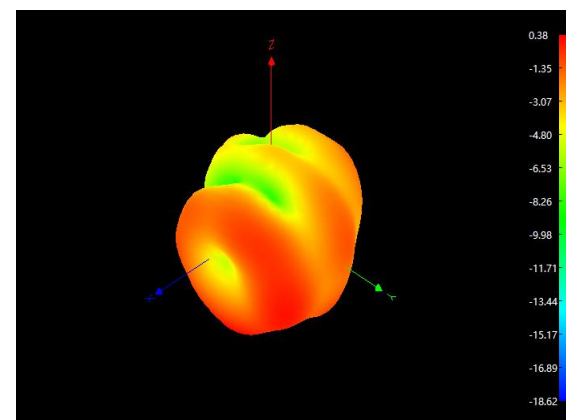
2400



2450



2500





Thank you!

Company Name: Shenzhen Ying jia chuang Electronic Technology Co., Ltd.

Address: Building C, Hongyu Guangming Valley, No. 11, Youma Gang Road, Ma Tian Street, Guangming District, Shenzhen

Dongguan Branch: Yingjiachuang Industrial Park, No. 2 Yinhe 3rd Road, Shishuikou, Qiaotou Town, Dongguan City

Hangzhou R & D Center: 509, Building 1, Binrun Science and Technology Innovation Park, No.5 Zhiren Street, Binjiang District, Hangzhou

Mianyang R&D Center: No. 4F-34 Wanxiang High-tech International, 35 Mianxing East Road, High-tech Zone, Mianyang City, Sichuan Province

telephone: 18926060339 **http://**www.szsyjc.com **email:** yjc@szsyjc.com