



# Shenzhen Yingjia Chuang Electronic Technology Co., Ltd

## Product antenna commissioning report

Time: April 28, 2022

Proposed system: Huang Zhiwei

Audit: Fang Wenfeng

Approval: Xiao Han

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## 一、Project Overview

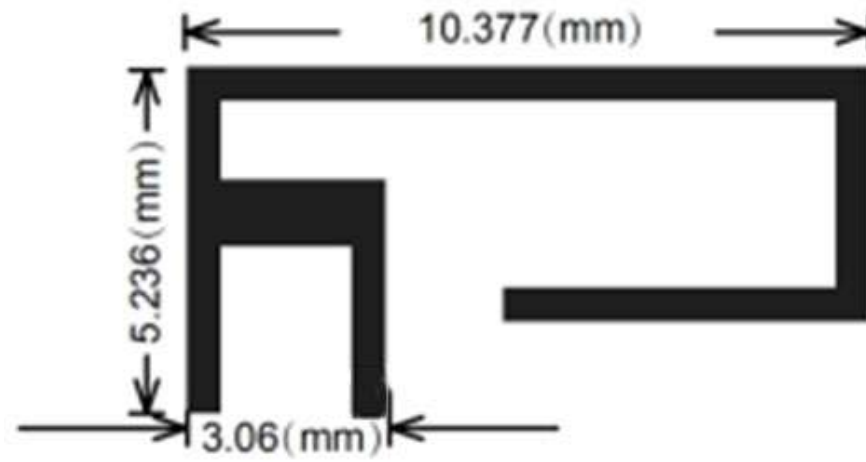
| Customer name             | Project name  | Antenna Type |
|---------------------------|---------------|--------------|
| 802                       | SRC-2205      | PCB Antenna  |
| Work frequency band (MHz) |               |              |
| 2.4G                      | 2400-2500 MHz |              |

# Directory

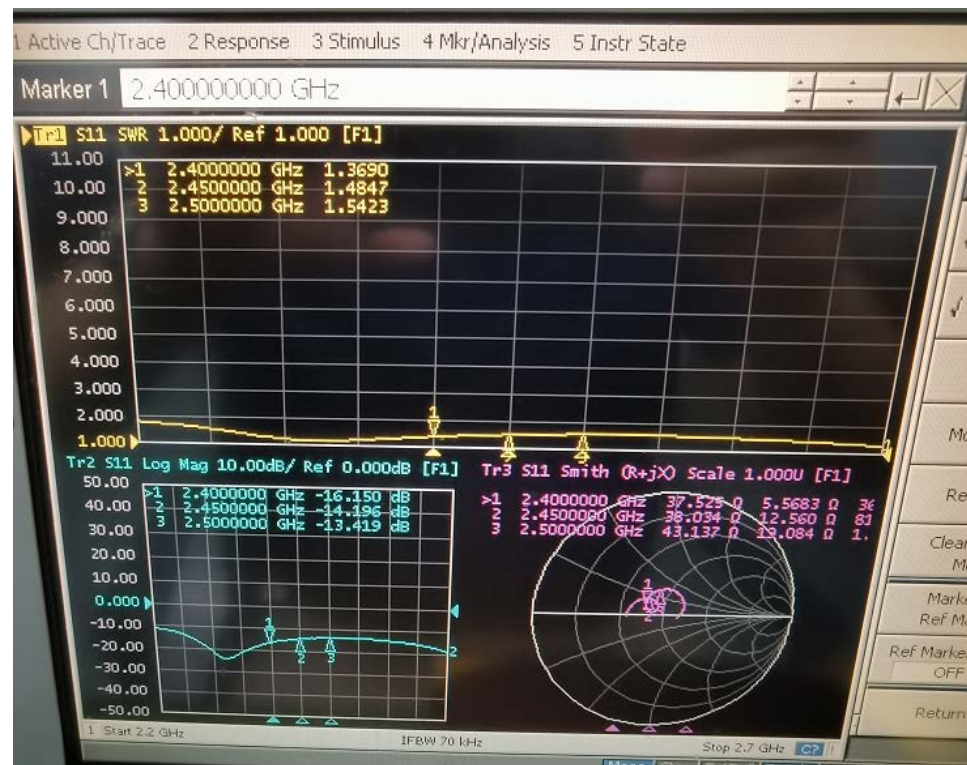
4 .Network division test resident wave map

5 .Passive data

6 .Passive 2D, 3D Fig



Network division test resident wave map:

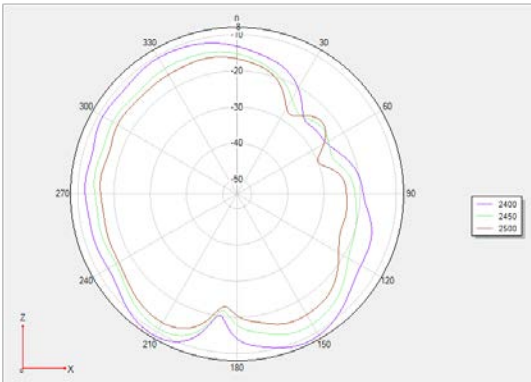


## 2.4G Passive test data:

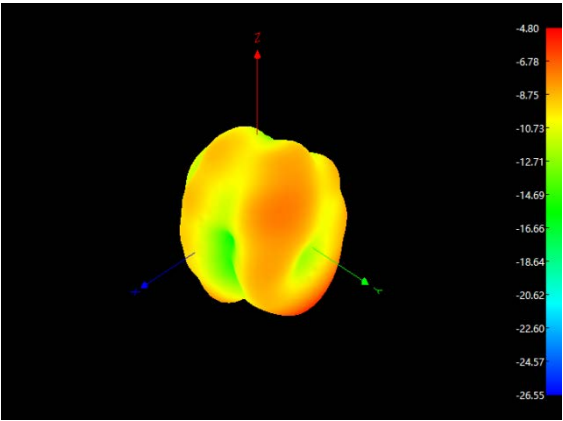
| Frequency(MHz) | Efficiency (%) | Gain.(dBi) |
|----------------|----------------|------------|
| 2400MHz        | 7.31           | -4.8       |
| 2410MHz        | 6.75           | -5.45      |
| 2420MHz        | 5.6            | -5.69      |
| 2430MHz        | 4.85           | -6.76      |
| 2440MHz        | 4.35           | -7.06      |
| 2450MHz        | 4.12           | -7.41      |
| 2460MHz        | 3.51           | -7.71      |
| 2470MHz        | 3.04           | -8.55      |
| 2480MHz        | 2.79           | -8.72      |
| 2490MHz        | 2.7            | -9.48      |
| 2500MHz        | 2.33           | -9.53      |

Antenna test 2D3D diagram:

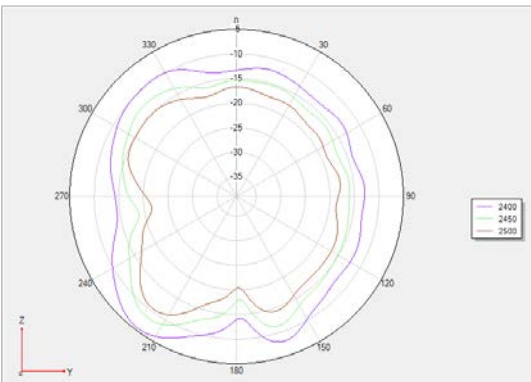
Phi02D graph



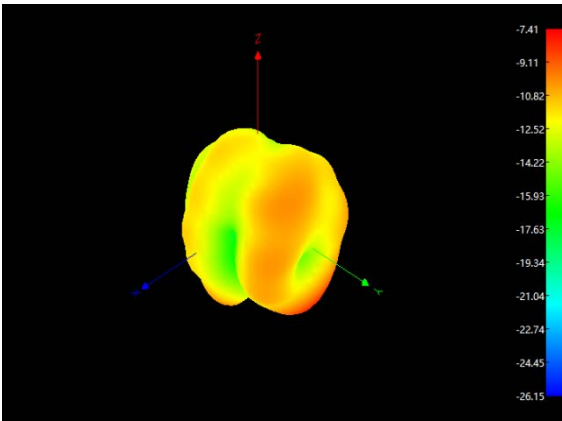
2400



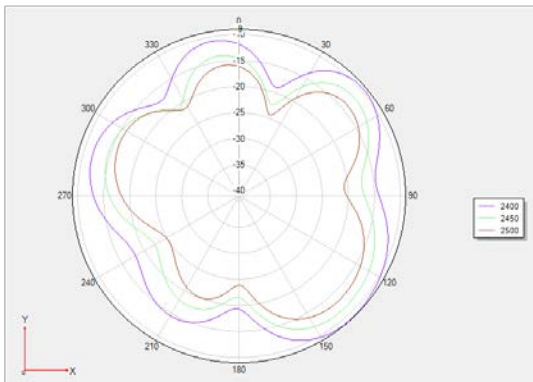
Phi902D graph



2450



Theta902D graph



2500

