



Shenzhen Yingjia Chuang electronic technology Co., LTD

## Product antenna commissioning report

Date: February 28, 2023

manufacturer: Shenzhen Yingjia Chuang electronic technology Co., LTD

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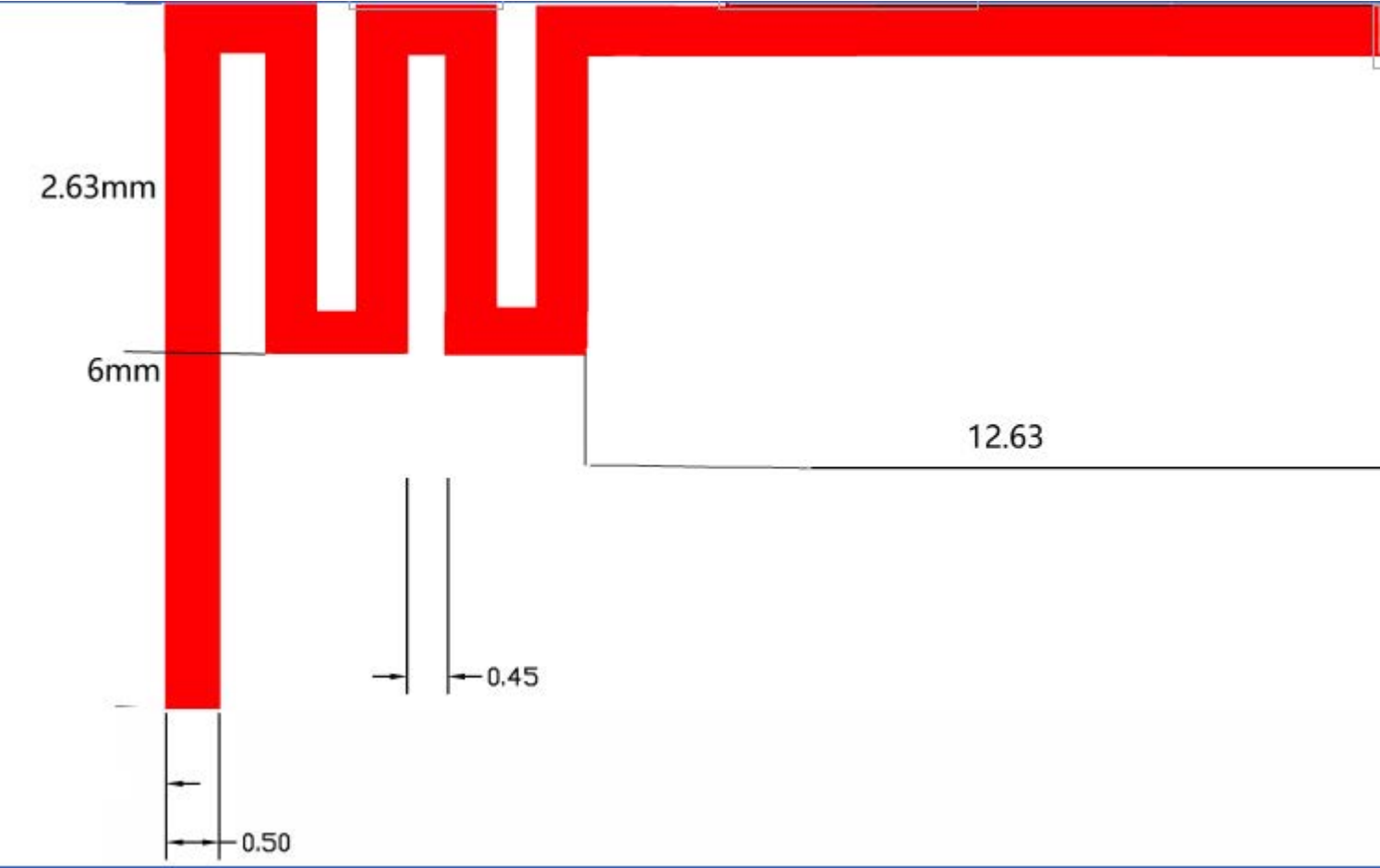
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# 一、Project overview

| customer name             | model         | Antenna type |
|---------------------------|---------------|--------------|
| 1033                      | R3            | PCB ANTANNA  |
| working frequencies (MHz) |               |              |
|                           | 2400-2500 MHz |              |

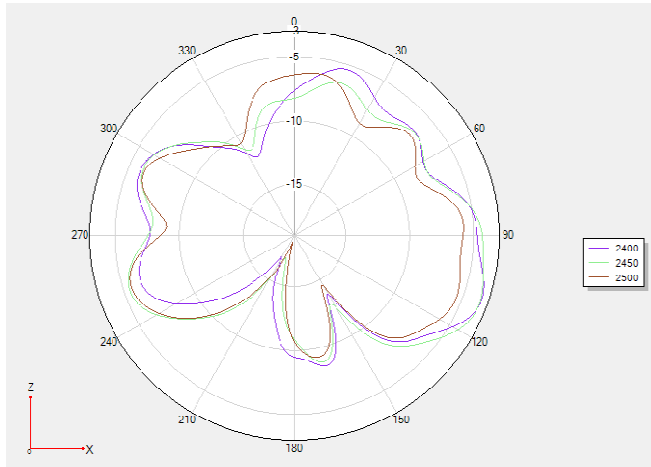


## 2.4G Passive test data

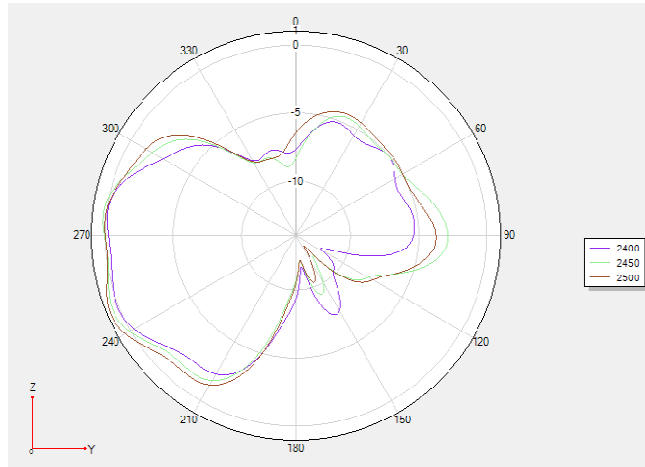
| Frequency | Efficiency (%) | Gain. (dBi) |
|-----------|----------------|-------------|
| 2400MHz   | <b>40.82</b>   | <b>1.13</b> |
| 2410MHz   | <b>41.46</b>   | <b>1.24</b> |
| 2420MHz   | <b>41.69</b>   | <b>1.47</b> |
| 2430MHz   | <b>41.78</b>   | <b>1.82</b> |
| 2440MHz   | <b>41.3</b>    | <b>1.64</b> |
| 2450MHz   | <b>43.35</b>   | <b>1.59</b> |
| 2460MHz   | <b>43.55</b>   | <b>1.75</b> |
| 2470MHz   | <b>44.36</b>   | <b>2.18</b> |
| 2480MHz   | <b>43.35</b>   | <b>1.97</b> |
| 2490MHz   | <b>46.24</b>   | <b>2.21</b> |
| 2500MHz   | <b>44.87</b>   | <b>2.01</b> |

# Antenna test 2D3D diagram

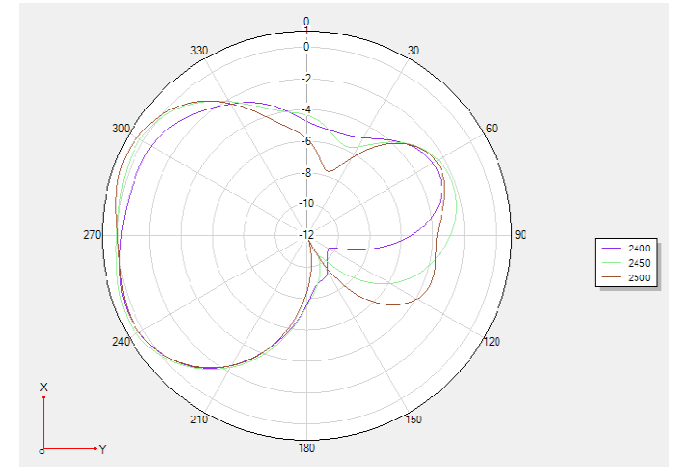
## Phi 0 2D



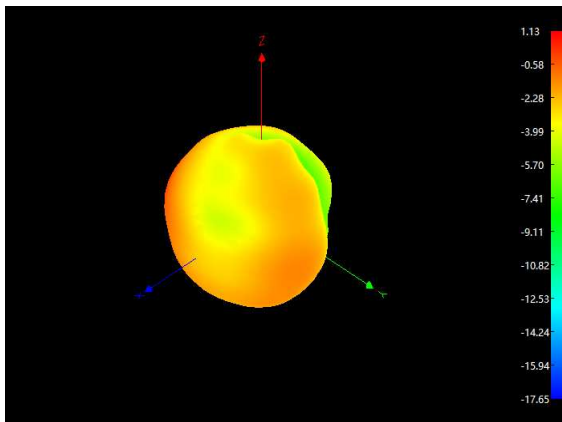
## Phi 90 2D



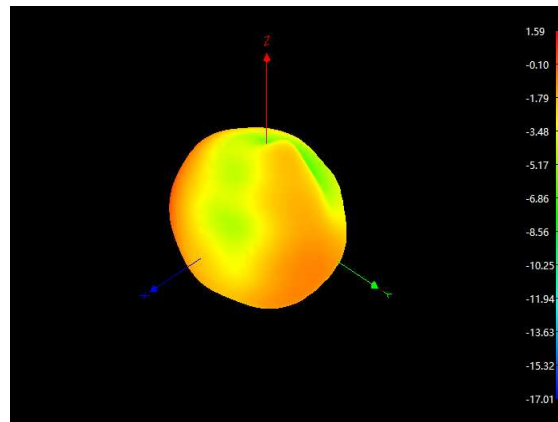
## Theta 90 2D



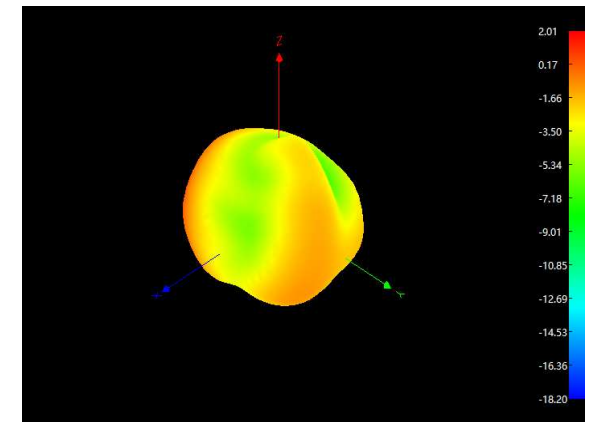
## 2400



## 2450



## 2500



Antenna diagram

