



Shenzhen Yingjia Chuang electronic technology Co., LTD

## Product antenna commissioning report

Date: February 28, 2023

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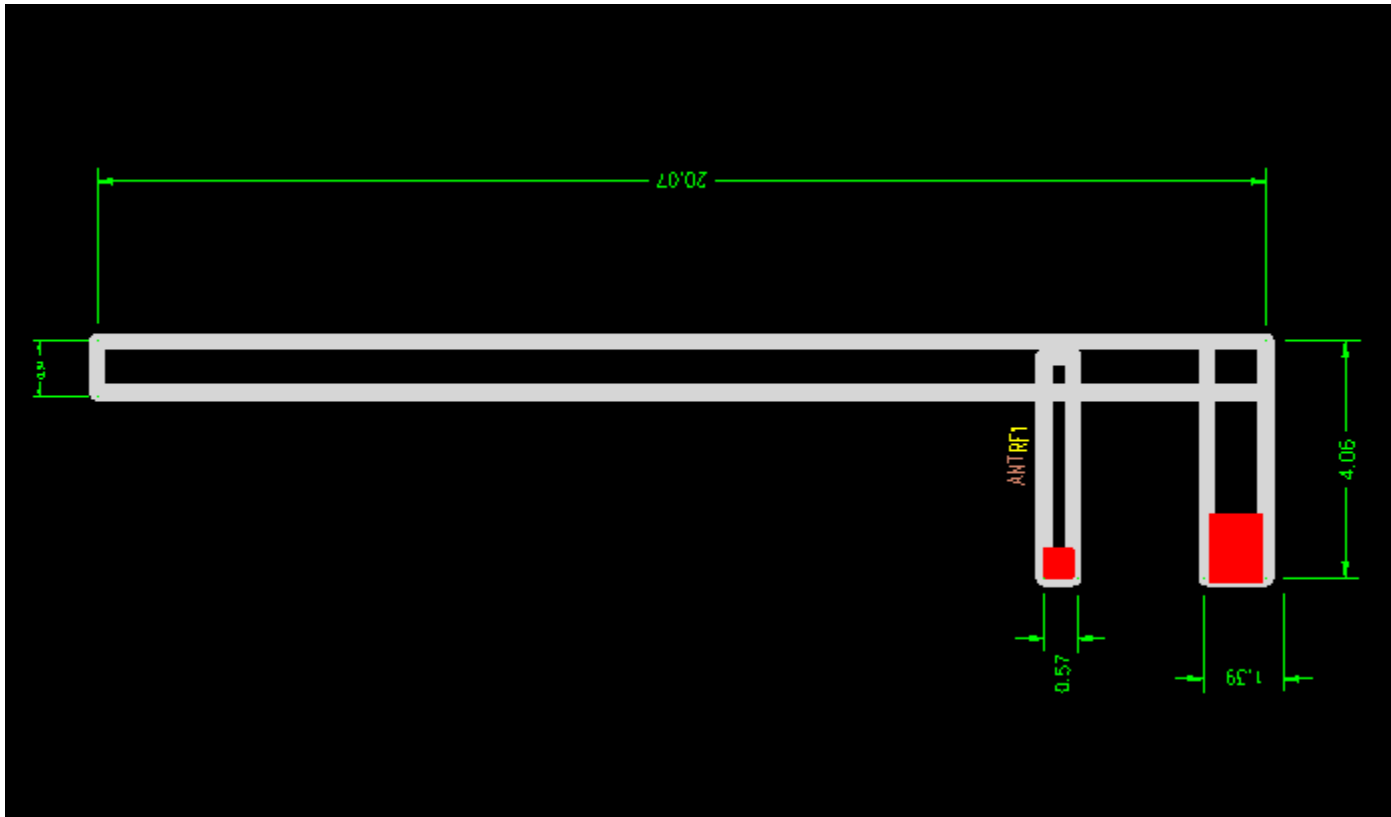
# I. Project overview

Customer name	Project name	Antenna implementation mode
1033	A9	Onboard antenna
Operating frequency band (MHz)		
Built-in antenna	2400-2500 MHz	

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1. Antenna size diagram
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Unit value (mm)



# Antenna A9 test diagram

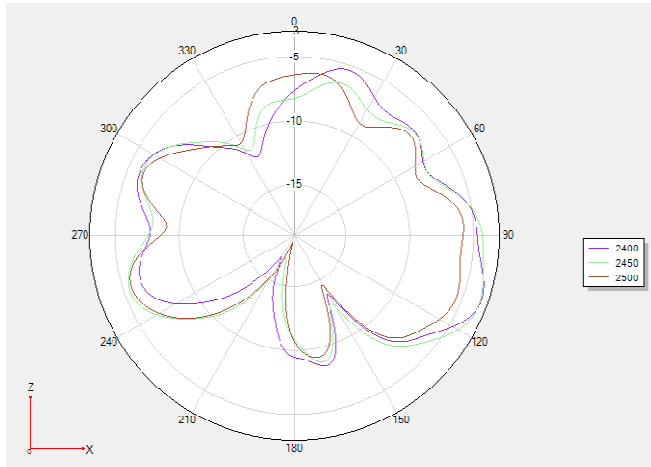


## 2.4G passive test data

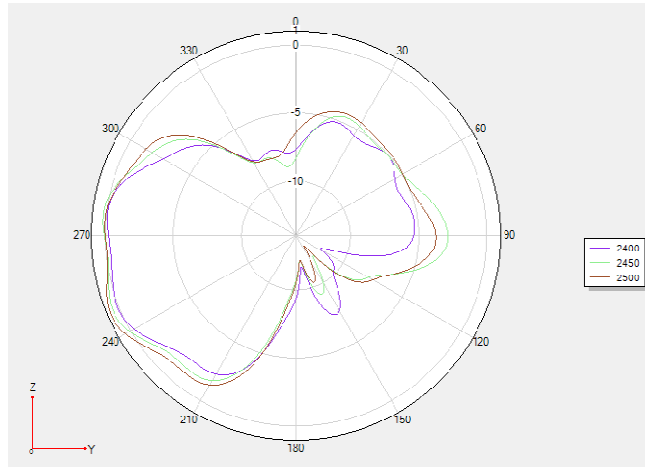
Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	<b>40.82</b>	<b>1.13</b>
2410MHz	<b>41.46</b>	<b>1.24</b>
2420MHz	<b>41.69</b>	<b>1.47</b>
2430MHz	<b>41.78</b>	<b>1.82</b>
2440MHz	<b>41.3</b>	<b>1.64</b>
2450MHz	<b>43.35</b>	<b>1.59</b>
2460MHz	<b>43.55</b>	<b>1.75</b>
2470MHz	<b>44.36</b>	<b>2.18</b>
2480MHz	<b>43.35</b>	<b>1.97</b>
2490MHz	<b>46.24</b>	<b>2.23</b>
2500MHz	<b>44.87</b>	<b>2.01</b>

# Antenna test 2D3D diagram

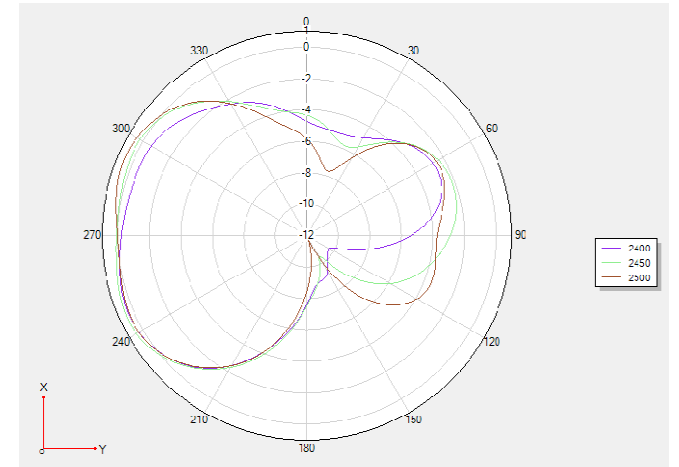
## Phi 0 2D graph



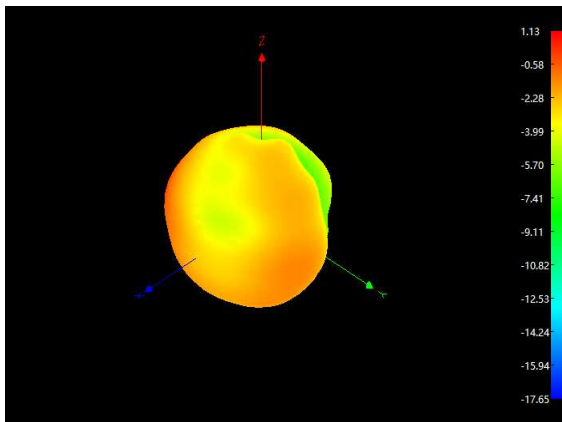
## Phi 90 2D graph



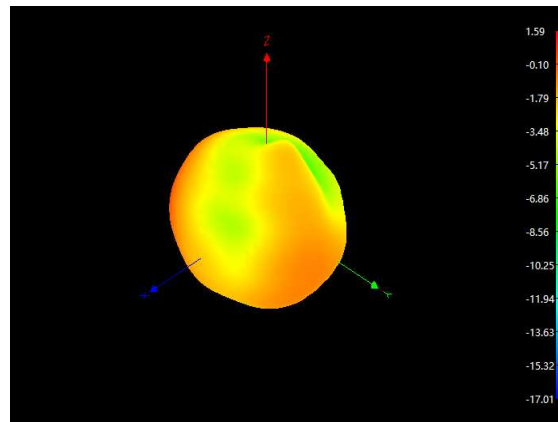
## Theta 90 2D diagram



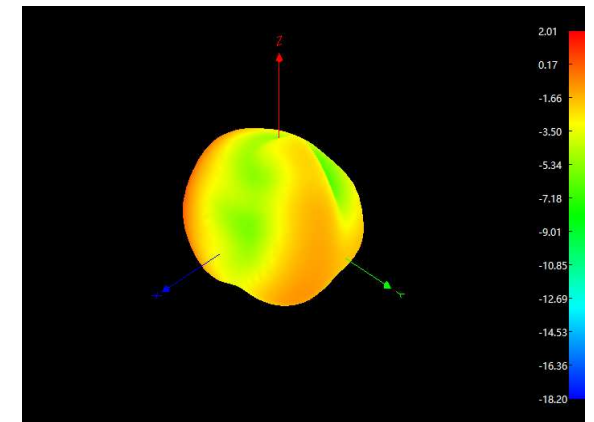
## 2400



## 2450



## 2500



# Antenna diagram

