

Shenzhen Yingjiachuang Electronic Technology Co., LTD

Product antenna commissioning report

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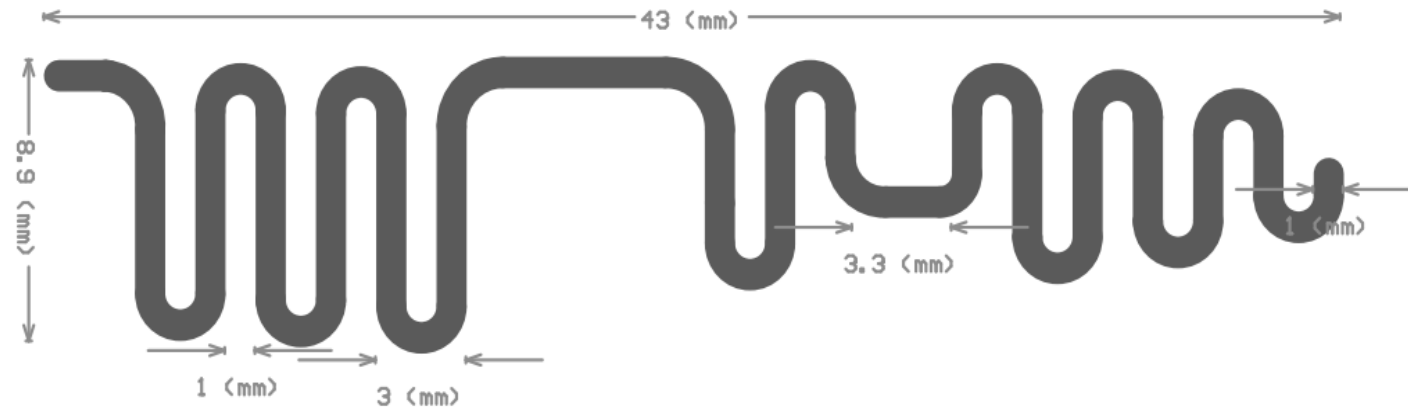
## —. Project Overview

| CustomerName                  | Project Name  | Antenna implementation method |
|-------------------------------|---------------|-------------------------------|
| MICRO                         | C101A4318     | Onboard antenna               |
| working frequency range (MHz) |               |                               |
| 2.4G                          | 2400–2500 MHz |                               |

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## Antenna size



## Antenna performance test chart

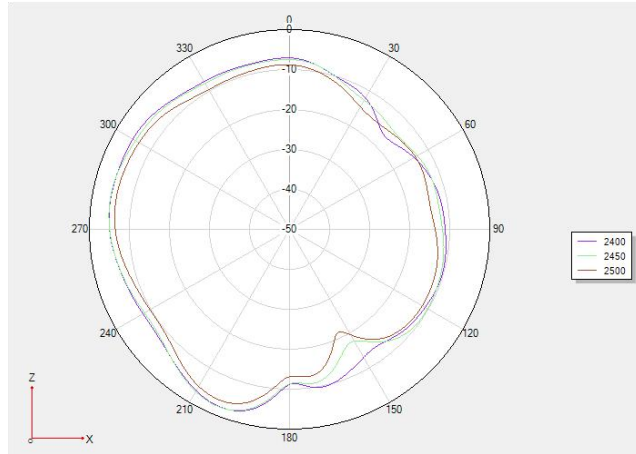


## 2.4G passive test data of the original antenna

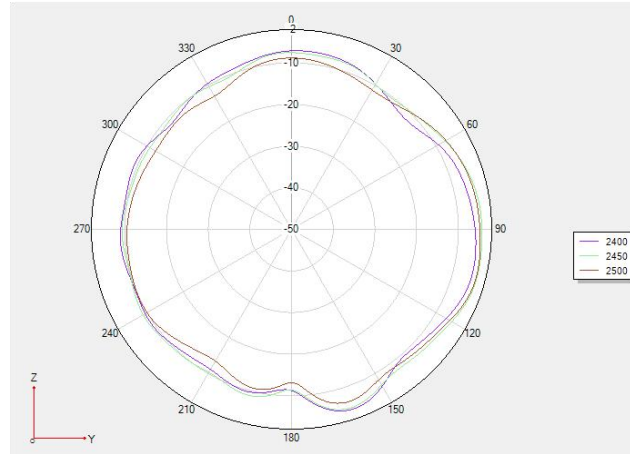
| ITEM                    | SPEC.                        |          |
|-------------------------|------------------------------|----------|
| Antenna Type            | Type_2_Single Wiggle Antenna |          |
| Center Frequency        | 2402 MHz                     | -0.78dBi |
|                         | 2446 MHz                     | -0.86dBi |
|                         | 2479 MHz                     | -1.71dBi |
| Max. GAIN               | -0.78dBi                     |          |
| Mini. GAIN              | -55.15dBi                    |          |
| AVG GAIN                | -8.4dBi                      |          |
| DUT Polarization        | Horizontal & Vertical        |          |
| TEST Output Power Level | 10dBm                        |          |
| Impedance               | 50Ω                          |          |

# 2D3D image of the original antenna test

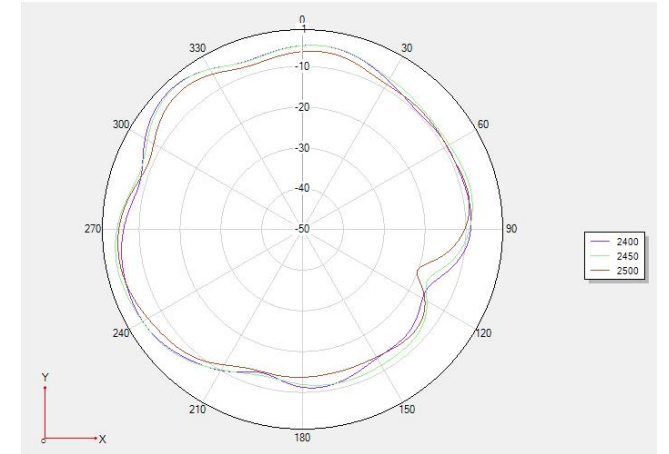
Phi 0 2Dgraph



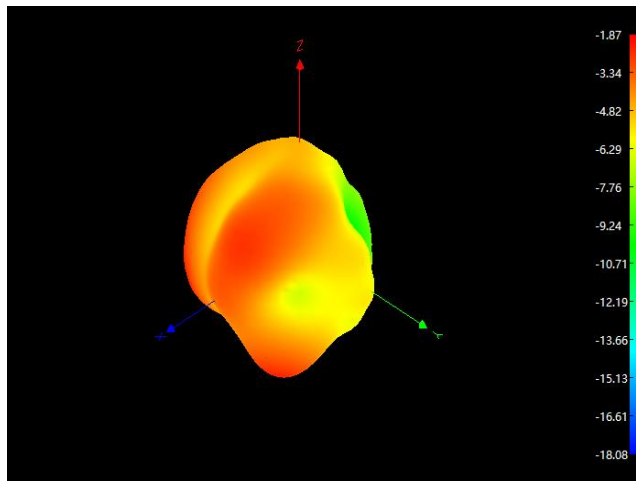
Phi 90 2Dgraph



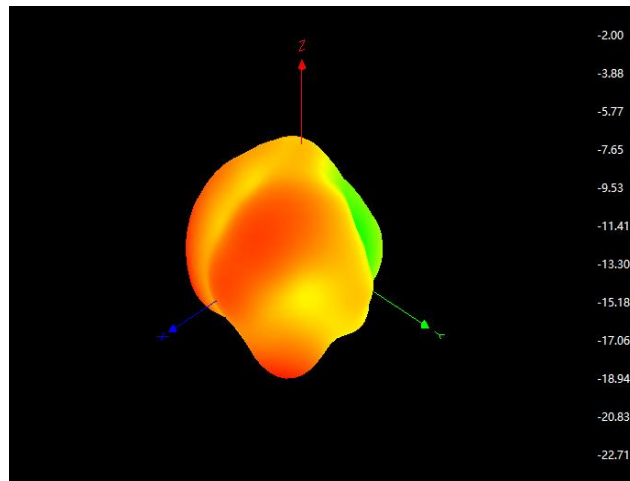
Theta 90 2Dgraph



2402



2446



2479

