



# GW10Antenna Specification

**Document Version: V1.0**

Release time: 2021-11-12

# Copyright Notice

copyright © Guqiao Information Technology (Zhengzhou) Co., Ltd. 2021 reserves all rights.

## pay attention to

Due to product version upgrades or other reasons, the content of this document may be updated from time to time. Unless otherwise agreed, this document is only used as a guide, and all statements, information, and recommendations in this document do not constitute any warranty, express or implied.

## Trademark Declaration



It is a registered trademark of Guqiao Information Technology (Zhengzhou) Co., Ltd. and is owned by the owner.

## Basic information of the project

|                 |                       |                     |             |
|-----------------|-----------------------|---------------------|-------------|
| project         | GW10                  |                     |             |
| edition         | GW10_P1               |                     |             |
| frequency range | WIFI: 2.4G            |                     |             |
| ANT STYE        | PCB Antenna           |                     |             |
| Dimensions      | 17.9mm*6.5mm          |                     |             |
| Test standards  | ANSI/IEEE Std149-1979 |                     |             |
| Designer        | Weichao Liu           | contact information | 15919481926 |
| Tester          | Pizi X                | contact information | 18028773465 |

## Antenna diagram



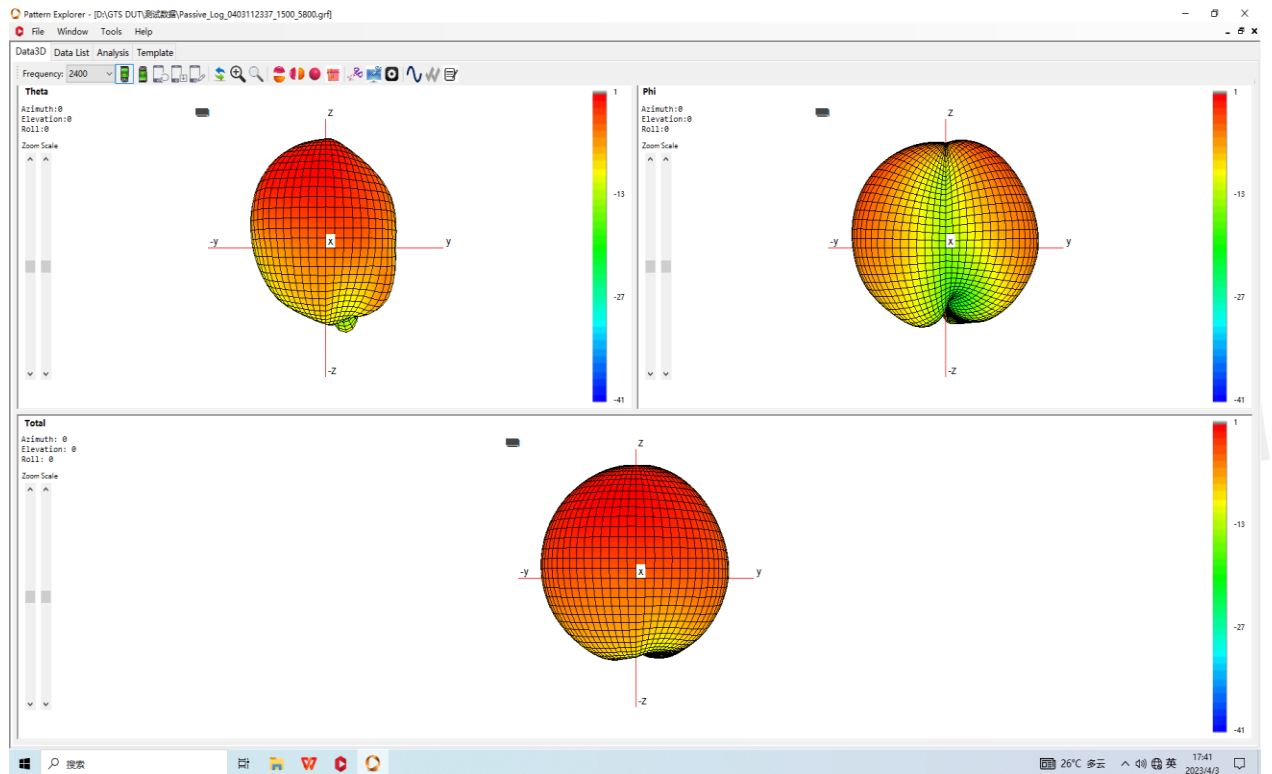
## Test frequency

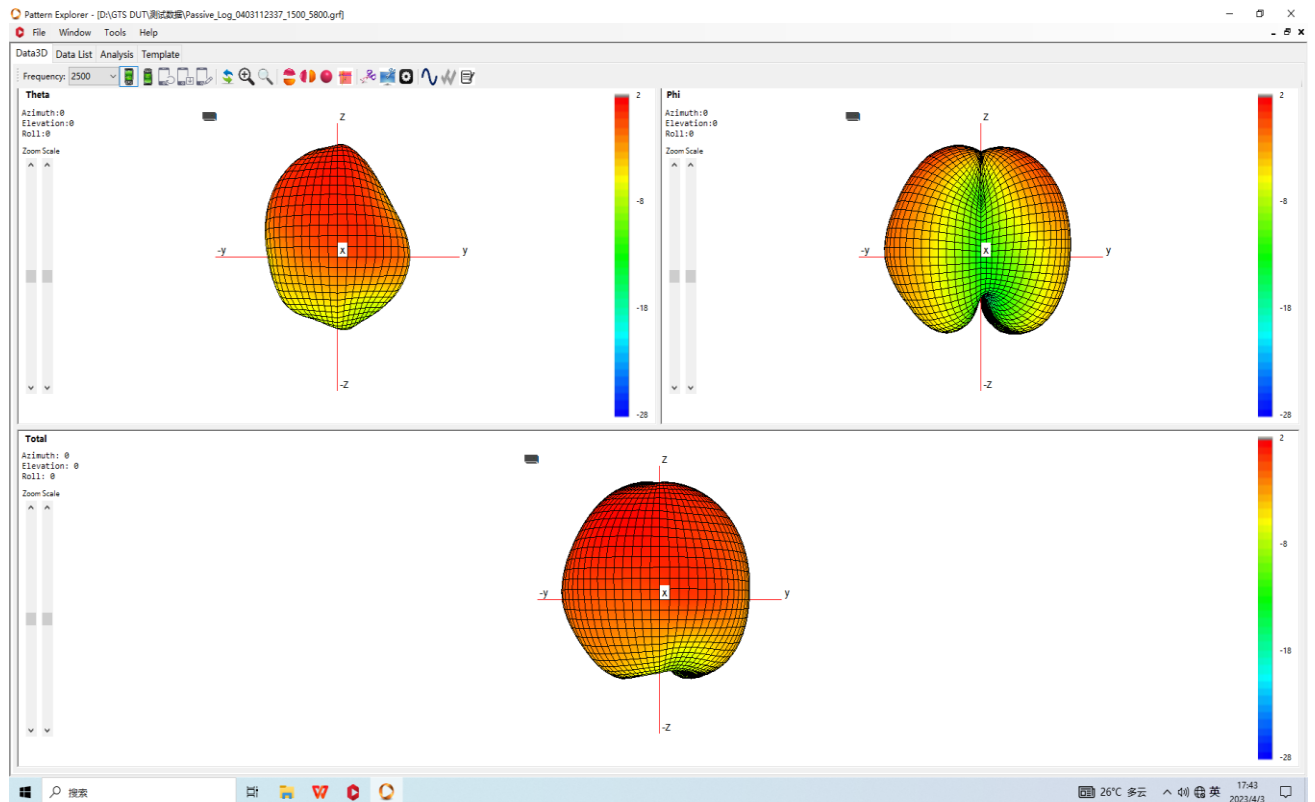
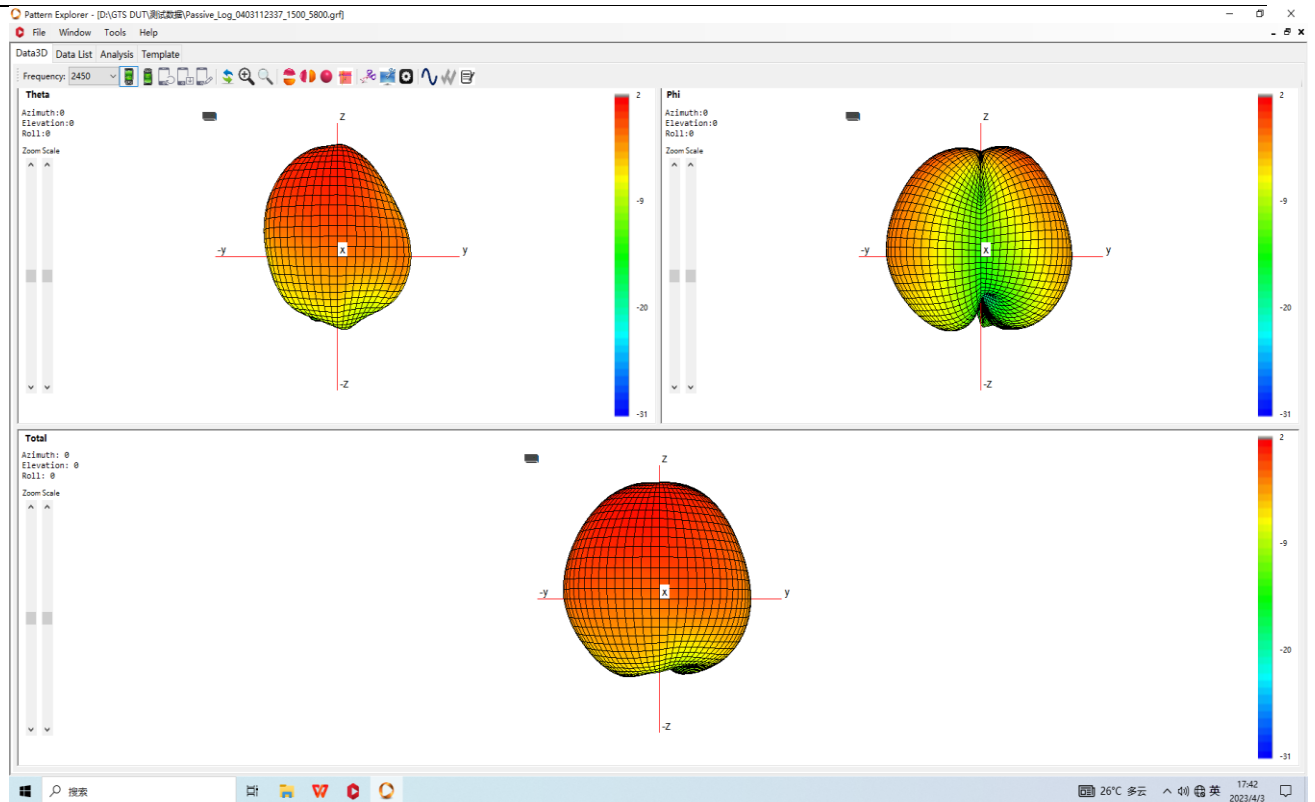
|                 |                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range | 2400MHz–2480MHz                                                                                                                                                   |
| Test Frequency  | 2402MHz, 2405MHz, 2410MHz, 2415MHz, 2420MHz, 2425MHz, 2430MHz, 2435MHz, 2440MHz, 2445MHz, 2450MHz, 2455MHz, 2460MHz, 2465MHz, 2470MHz, 2475MHz, 2480MHz, 2485MHz, |

## Antenna passive test data

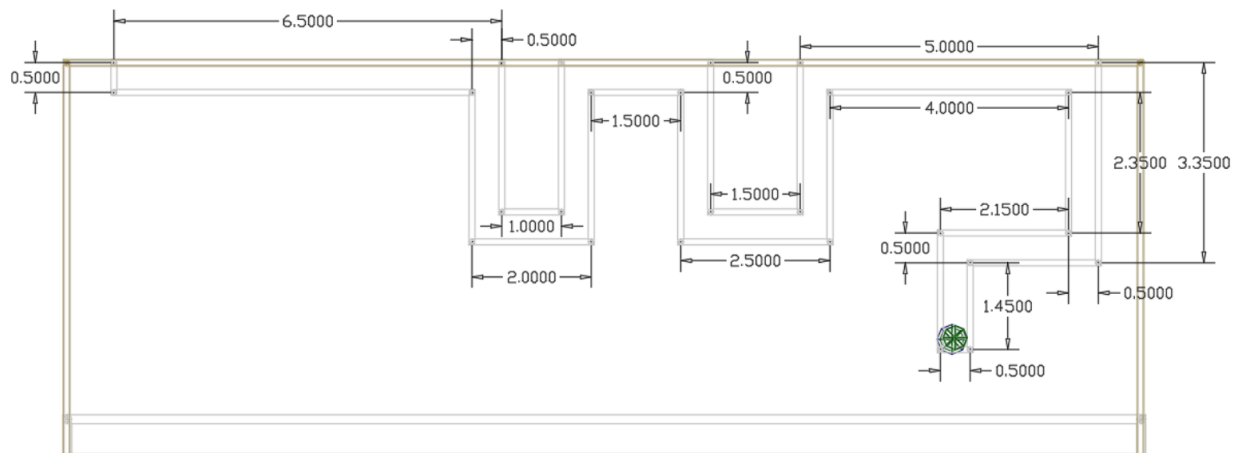
| Freq | GAIN(dBi) | EFFiciency(%) |
|------|-----------|---------------|
| 2400 | 0.6       | 40            |
| 2405 | 0.61      | 40            |
| 2410 | 0.62      | 41            |
| 2415 | 0.65      | 42            |
| 2420 | 0.69      | 42            |
| 2425 | 0.69      | 43            |
| 2430 | 0.72      | 43            |
| 2435 | 0.79      | 44            |
| 2440 | 0.82      | 45            |
| 2445 | 0.93      | 46            |
| 2450 | 1.01      | 47            |
| 2455 | 1.01      | 47            |
| 2460 | 1.16      | 48            |
| 2465 | 1.16      | 48            |
| 2470 | 1.31      | 49            |
| 2475 | 1.31      | 49            |
| 2480 | 1.31      | 49            |
| 2485 | 1.15      | 48            |

# Antenna gain diagram \_3D





## Antenna Dimensional Drawing



## Antenna manufacturer

Jing Weixin

Address: Dongping Science Park, Qishi Town, Dongguan City, Guangdong Province

**Important clause:**

Guqiao Information Technology (Zhengzhou) Co., Ltd. All rights reserved

The right to revise and interpret this manual belongs to Guqiao Information Technology (Zhengzhou) Co., Ltd