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# Antenna Reports

Company: Lenovo

Model name: TB311FU

Issue date: 2024/8/8

Documented by: \_

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**Antenna Summary Table**

| Check items                       | Information                                                                                                                                                      |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Provided by lab                   | Ruide lab (GTS 2800)                                                                                                                                             |
| Manufacturer/ Brand name          | Etheta Communication Technology (Shenzhen) CO.,Ltd<br>Add:Area B,Floor 3,Building 1,Baisha Technology Industrial Park,Shahe West Road,Nanshan District, Shenzhen |
| Model name (Part number)          | TB311FU                                                                                                                                                          |
| Test environment                  | (GTS 2800)GTS MaxSign Libra Version-1.1.13                                                                                                                       |
| List of calibrated test equipment | (GTS 2800)with calibrated date: 11/3/2024                                                                                                                        |
| Antenna detail info.              | ANT: WiFi2.4G / 5G antenna (2.4~2.5GHz, 5.15~5.85GHz), Bluetooth 2.4G antenna<br>PIFA type antenna.                                                              |
| Antenna gain test data            | Included antenna frequency, gain pattern                                                                                                                         |

Note: Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document.

Antenna Test data:

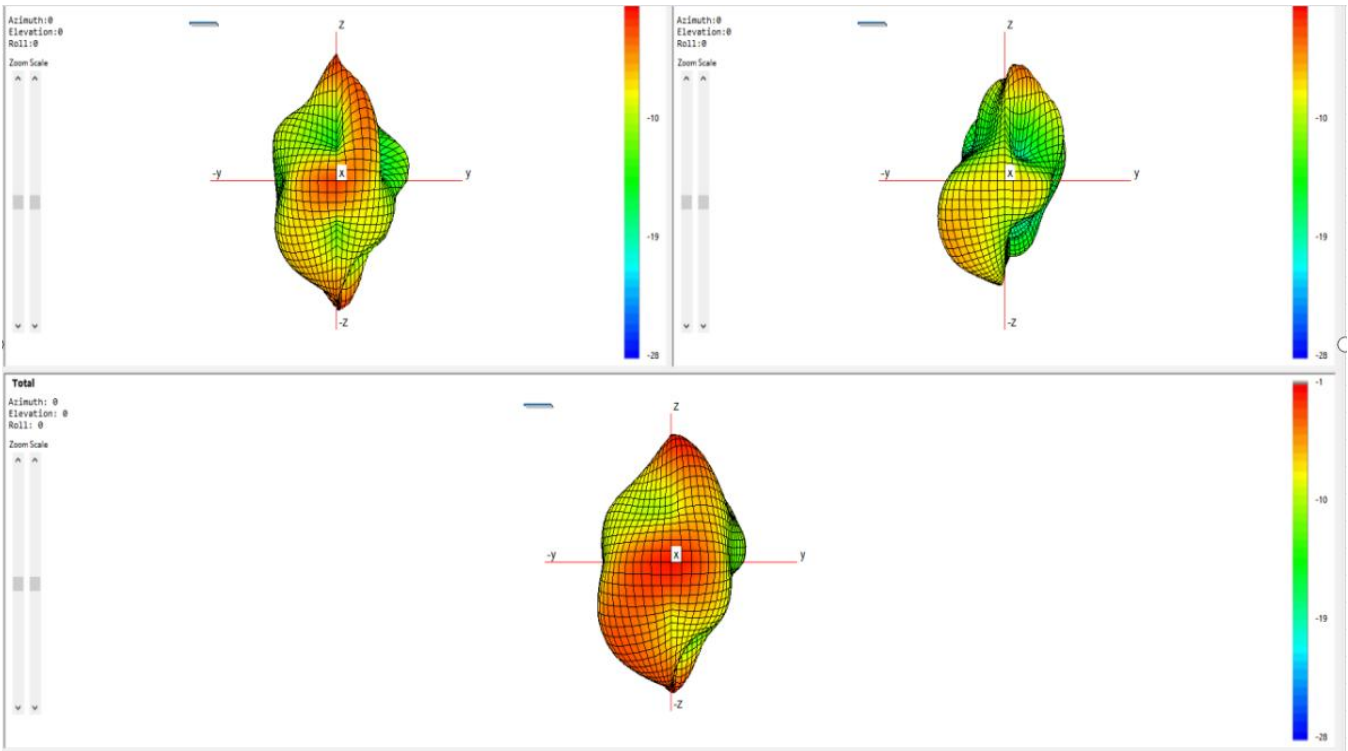
Antenna model name: P272 Antenna

Antenna type: PIFA

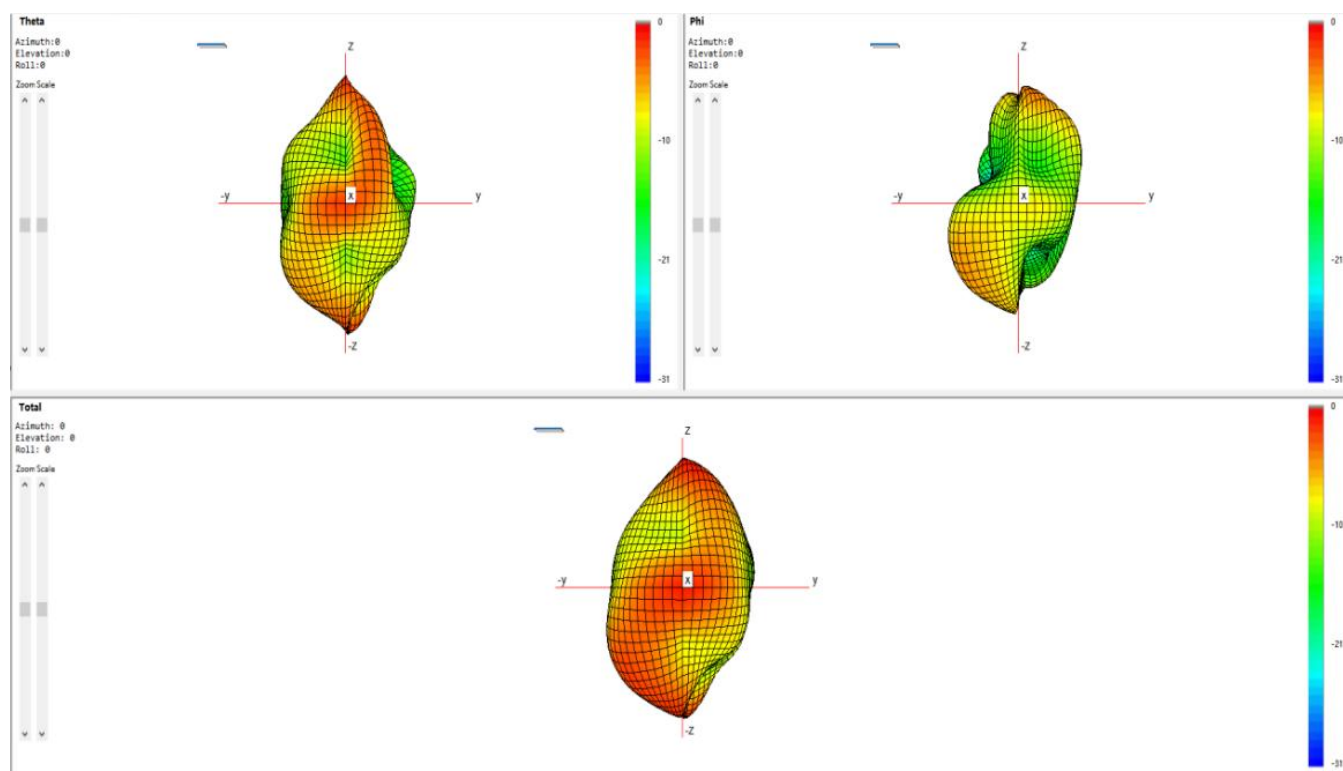
| Antenna Gain (dBi) |                | WIFI  | Antenna Type             |
|--------------------|----------------|-------|--------------------------|
| 2.4G WiFi          | 2400~2483.5MHz | -0.24 | PIFA(Inverted F Antenna) |
| 5G Wifi            | 5150~5250 MHz  | 1.25  | PIFA(Inverted F Antenna) |
|                    | 5250~5350 MHz  | 1.25  | PIFA(Inverted F Antenna) |
|                    | 5470~5725 MHz  | 1.25  | PIFA(Inverted F Antenna) |
|                    | 5725~5850 MHz  | 1.25  | PIFA(Inverted F Antenna) |
| BT                 | 2400~2483.5MHz | -0.24 | PIFA(Inverted F Antenna) |

(Rear view– Front view)

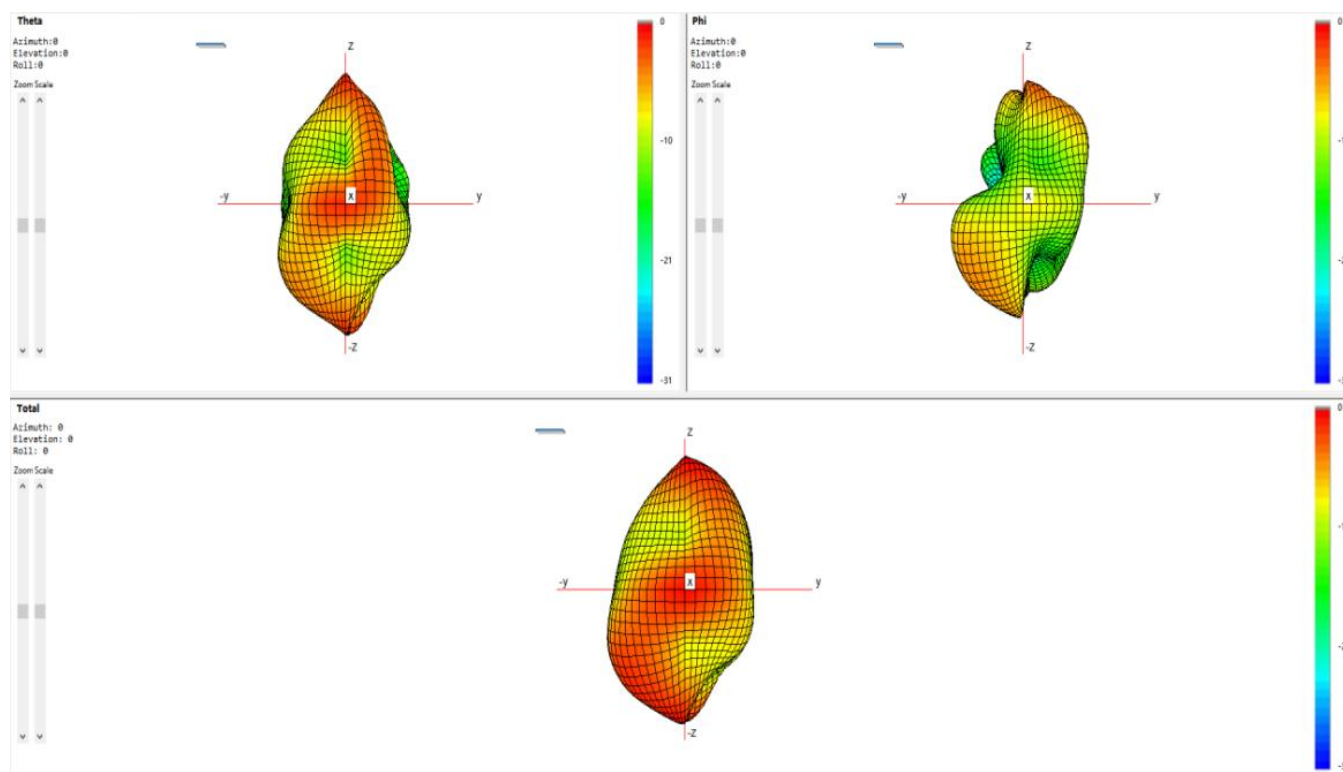
WIFI 2.4G (2412 MHz)



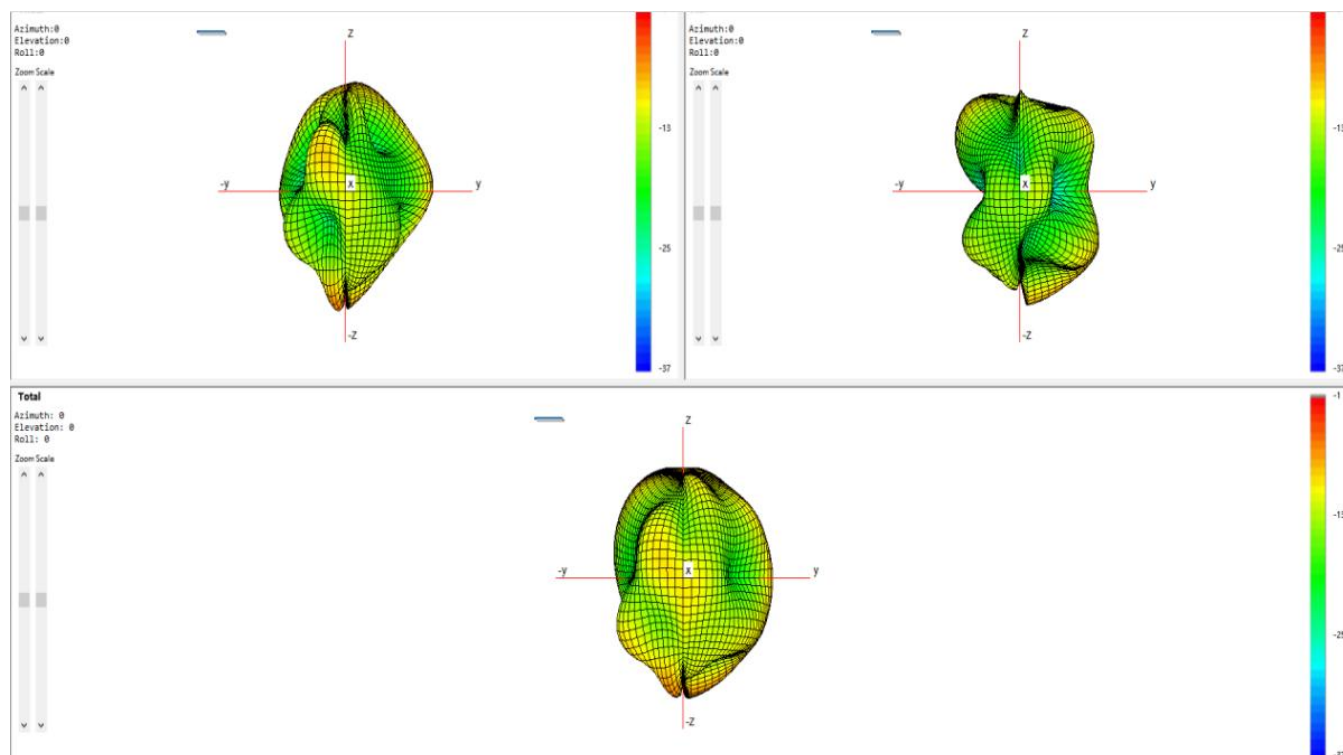
## WIFI 2.4G (2442 MHz)



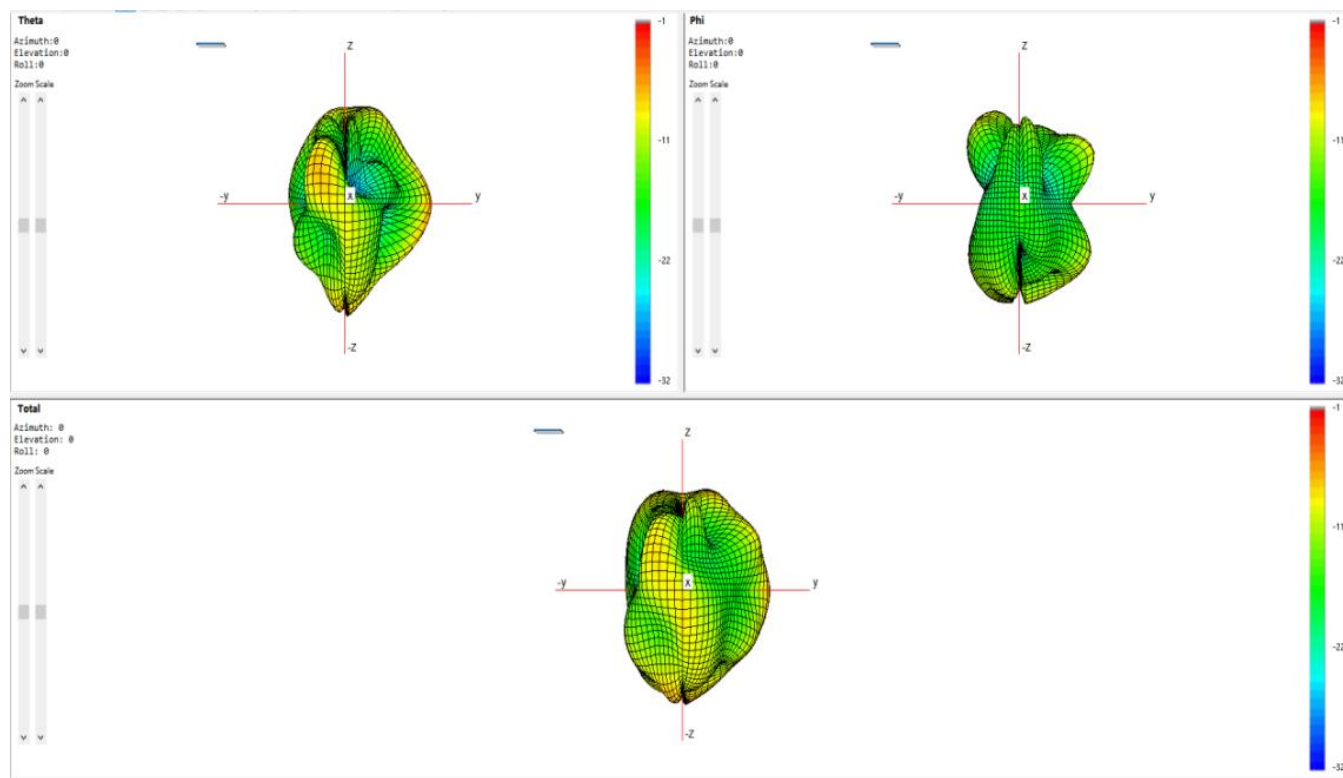
## WIFI 2.4G (2472 MHz)



## WIFI 5G (5180 MHz)



## WIFI 5G (5745 MHz)



## WIFI 5G (5805 MHz)

