
Antenna Reports

Company: MATTER INNOVATION PTE. LTD.

Model name: G001

Issue date: 2024/07/11

Documented by: _____

Antenna Summary Table

| Check items | Information |
|--------------------------|---|
| Provided by lab | |
| Manufacturer/ Brand name | MATTER INNOVATION PTE. LTD. |
| Antenna detail info. | ANT0: GPS; BT 2.4G (1.575GHz, (2.4~2.5GHz), IFA type. |
| 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:**ANT0**

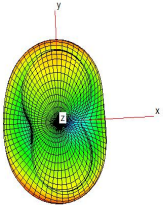
Antenna model name: Insert molding metal

Antenna type: IFA

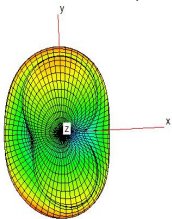
| GPS +BT/WLAN Peak Gain (dBi) | |
|------------------------------|------|
| 2400~2483.5MHz | -3.5 |

(Rear view– Front view)

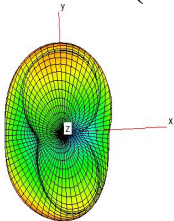
BT 2.4G (2400 MHz)



BT 2.4G (2450 MHz)



BT 2.4G (2500 MHz)

**ANT1**

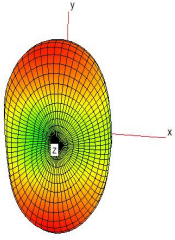
Antenna model name: Insert molding metal

Antenna type: IFA

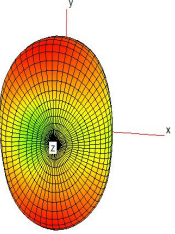
| WLAN Peak Gain (dBi) | | | |
|----------------------|-------|--------------|-------|
| 2400~2483.5MHz | | -3.5 | |
| 5150~5250MHz | -0.13 | 5470~5725MHz | -0.13 |
| 5250~5350MHz | -0.13 | 5725~5850MHz | -0.27 |

(Rear view– Front view)

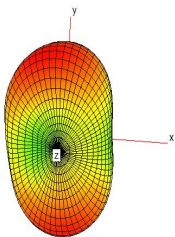
WIFI 2.4G (2400 MHz)



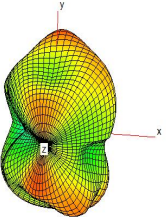
WIFI 2.4G (2450 MHz)



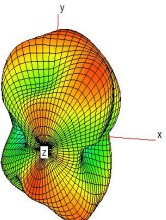
WIFI 2.4G (2500 MHz)



WIFI 5G (5150 MHz)



WIFI 5G (5500MHz)



WIFI 5G (5850MHz)

