

# ANTENNA INFORMATION

|                                                           |                      |
|-----------------------------------------------------------|----------------------|
| OEM                                                       |                      |
| ODM                                                       | Pegatron Corporation |
| Platform model name                                       | Aurora 2             |
| Platform type (ex: regular NB, convertible PC, AIO...etc) | IP Phone             |
| SAR minimum separation (mm)                               |                      |

|                      |                 |                                                                     |
|----------------------|-----------------|---------------------------------------------------------------------|
| Antenna manufacturer | Company name    |                                                                     |
|                      | Address         |                                                                     |
| Test location        | Company name    | INPAQ Technology Co., Ltd                                           |
|                      | Address         | No. 566-1, Gaoshi Rd., Yangmei Dist., Taoyuan City, Taiwan (R.O.C.) |
| Test Personnel       | Name(Full name) | Nora Liu                                                            |
|                      | E-mail          | alicemiuchen@inpaq.com.tw                                           |
|                      | Tel/Mobile      | 0929-216-937                                                        |
| Testing date         |                 | 2025/10/09                                                          |

|                                       |      |             |
|---------------------------------------|------|-------------|
| Antenna Part number                   | Main |             |
|                                       | Aux  |             |
| Antenna type (ex: PIFA, Dipole...etc) |      | PCB Antenna |

|            | Frequency (MHz) | 2400 | 2450 | 2480 | Avg. | 5150 | 5350 | 5470 | 5725 | 5850 | Avg. |
|------------|-----------------|------|------|------|------|------|------|------|------|------|------|
| Wi-Fi_ANT1 | Efficiency (%)  | 60   | 63   | 62   | 62   | 55   | 55   | 51   | 53   | 54   | 54   |
|            | Peak Gain (dBi) | 2.52 | 2.83 | 2.90 |      | 2.66 | 2.91 | 2.80 | 2.84 | 2.79 |      |

\* 3D Antenna Peak Gain required being test in system basis.

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## 2. Document Revision History

| Revision # | Revision Details | Issued Date |
|------------|------------------|-------------|
| Rev. 1     | First Issue      | 2025/11/03  |

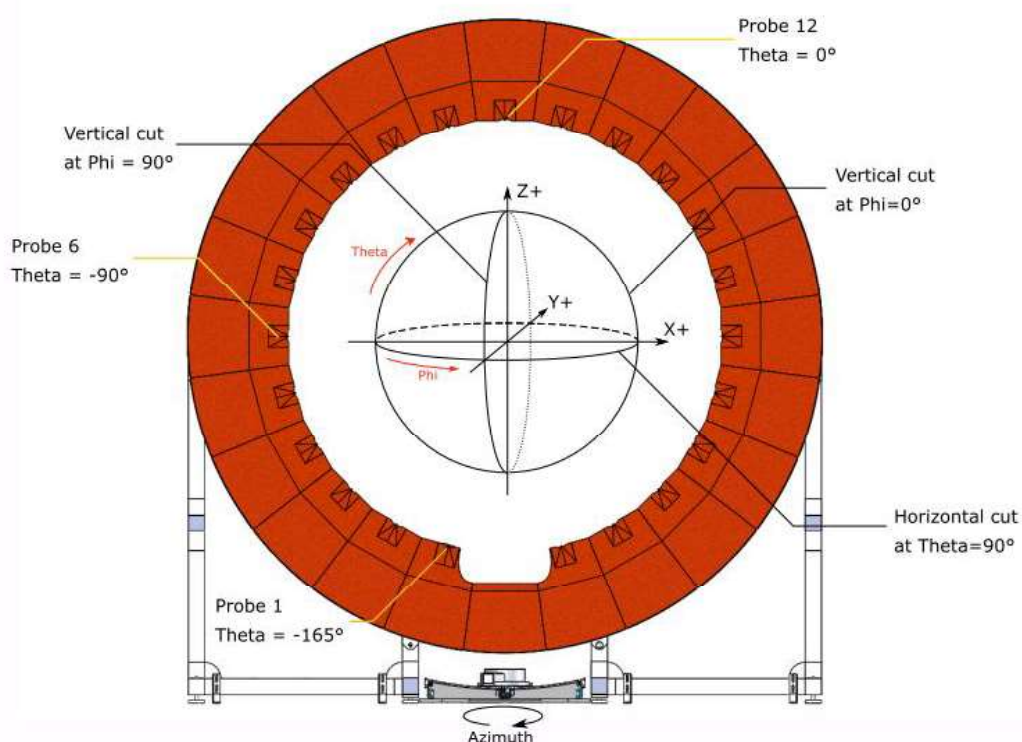
## 3. Test & System Description

### 3.1 Measurement Method and System

1. Place the DUT at the center of the turntable.
2. Connecting the test cable to the DUT, and use the SPM software for passive measurement.
3. During the measured process, SATIMO SG24 will conduct radiation testing with the DUT through 23 probes by a vertical 360-degree; then the turntable will rotate a horizontal 180-degree.
4. After, a complete measurement of spherical 3D is completed.

### 3.2 Test setup

Typical Setup for Satimo-SG24



### 3.3 Equipment list

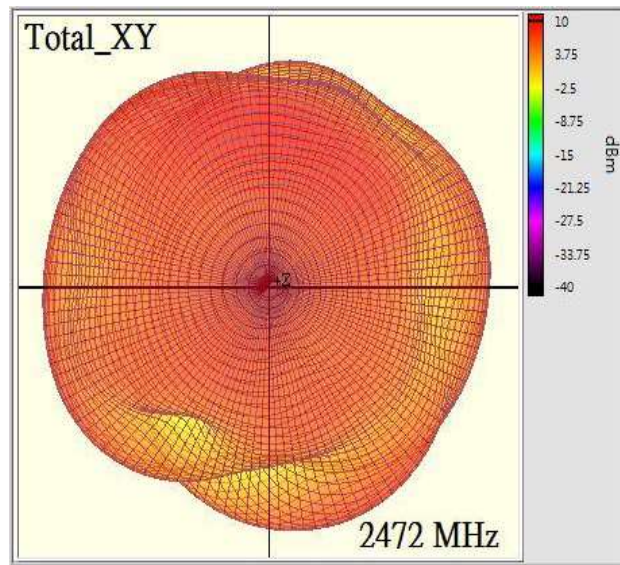
| Equipment Description   | Manufacturer  | Model No.                | Serial No.              | Last calibration date |
|-------------------------|---------------|--------------------------|-------------------------|-----------------------|
| Vector Network Analyzer | ROHDE&SCHWARZ |                          |                         | 2025/03/03            |
| Horn Antenna            | SATIMO        | SH400                    | 184                     | 2025/03/03            |
| RF signal cable         | SATIMO        | HUBER+SUHNER             |                         | 2025/03/03            |
| Software                | SATIMO        | WaveStudio               |                         | -                     |
| Turntable               | SATIMO        | SG24 Series Accessories  | MVG-131                 | -                     |
| Controller              | SATIMO        | SG24 Series Accessories  | 63025<br>65571<br>63032 | 2025/03/03            |
| Chamber                 | SATIMO        | 555-FAC                  | CPT-SE-3rd-2021         | 2025/03/03            |
| Absorber (GHz)          |               | MVG-AEMI<br>250MHz~40GHz | AEP-18                  | -                     |

#### 4. Radiation characteristics of antenna loaded in Host Platform

##### Main Antenna

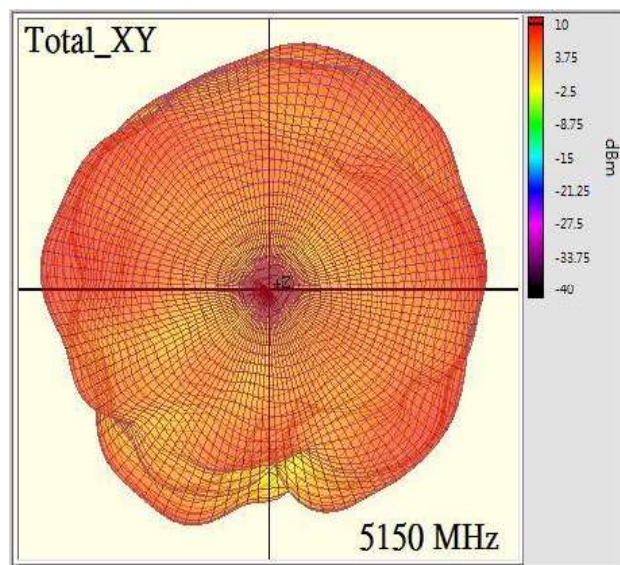
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

| Frequency (MHz) | Peak Gain w/ Cable Loss (dBi) |
|-----------------|-------------------------------|
| 2400-2483.5     | 2.90                          |



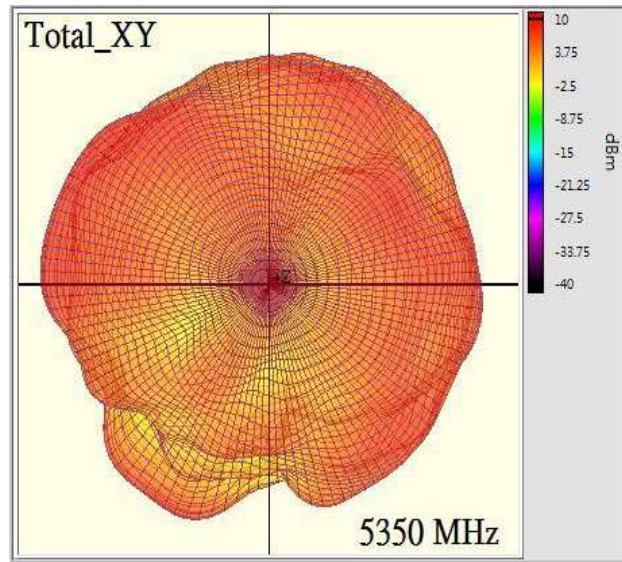
Max Antenna 3D Radiation Pattern 5150-5250 MHz

| Frequency (MHz) | Peak Gain w/ Cable Loss (dBi) |
|-----------------|-------------------------------|
| 5150-5250       | 2.66                          |



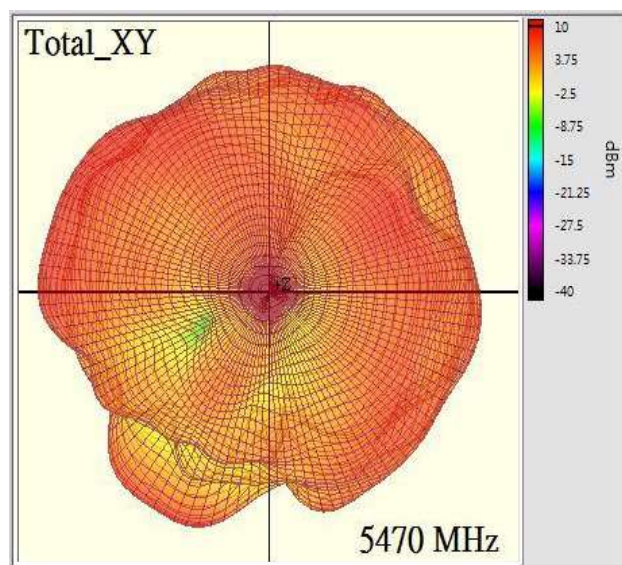
# Max Antenna 3D Radiation Pattern 5250-5350 MHz

| Frequency (MHz) | Peak Gain w/ Cable Loss (dBi) |
|-----------------|-------------------------------|
| 5250-5350       | 2.91                          |



# Max Antenna 3D Radiation Pattern 5470-5725 MHz

| Frequency (MHz) | Peak Gain w/ Cable Loss (dBi) |
|-----------------|-------------------------------|
| 5470-5725       | 2.80                          |



## Max Antenna 3D Radiation Pattern 5725-5850 MHz

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| Frequency<br>(MHz) | Peak Gain w/ Cable Loss<br>(dBi) |
|--------------------|----------------------------------|
| 5725-5850          | 2.79                             |

