

ANTENNA INFORMATION

OEM	
ODM	Pegatron Corporation
Platform model name	Aurora 1b
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		2025/09/25

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	64	62	55	57	54	53	51	54
	Peak Gain (dBi)	2.74	2.91	2.75		2.49	2.85	2.90	2.42	2.56	

* 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	2025/10/31

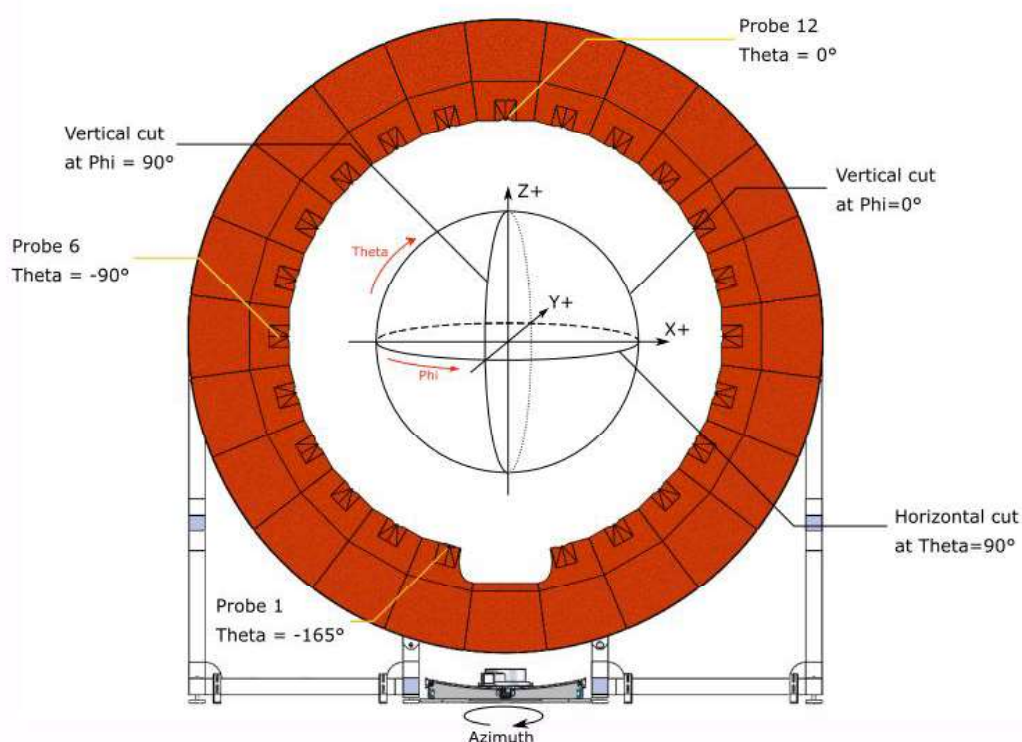
3. Test & System Description

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

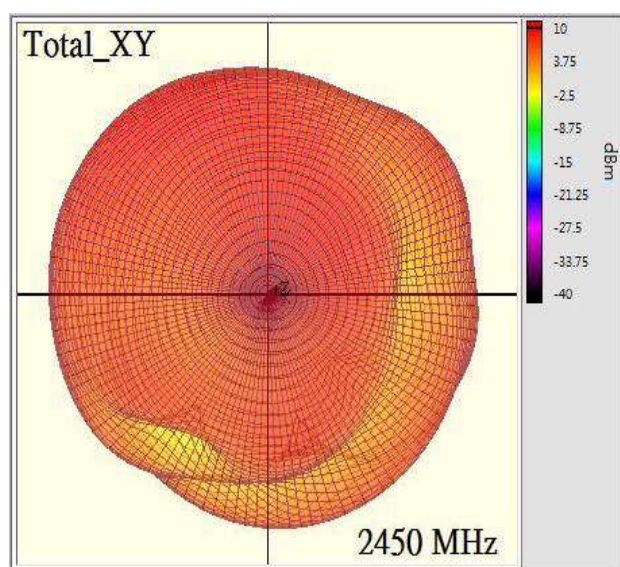
Equipment Description	Manufacturer	Model No.	Serial No.	Last calibration date
Vector Network Analyzer	ROHDE&SCHWARZ			2025/03/03
Horn Antenna	SATIMO	SH400	184	2025/03/03
RF signal cable	SATIMO	HUBER+SUHNER		2025/03/03
Software	SATIMO	WaveStudio		-
Turntable	SATIMO	SG24 Series Accessories	MVG-131	-
Controller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

4. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

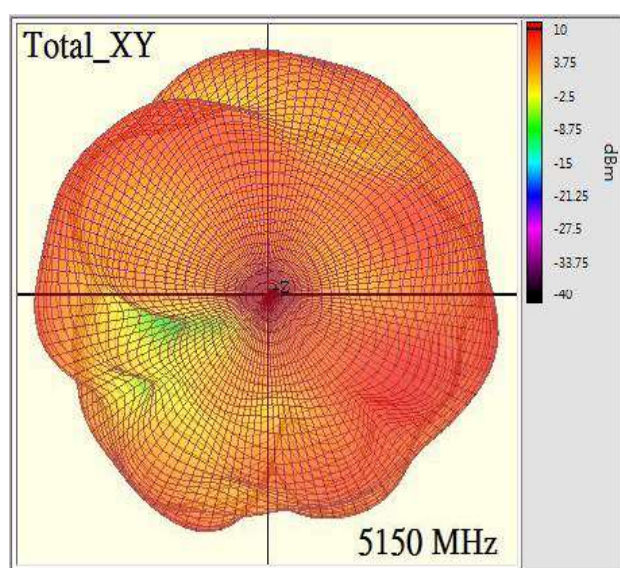
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	2.91



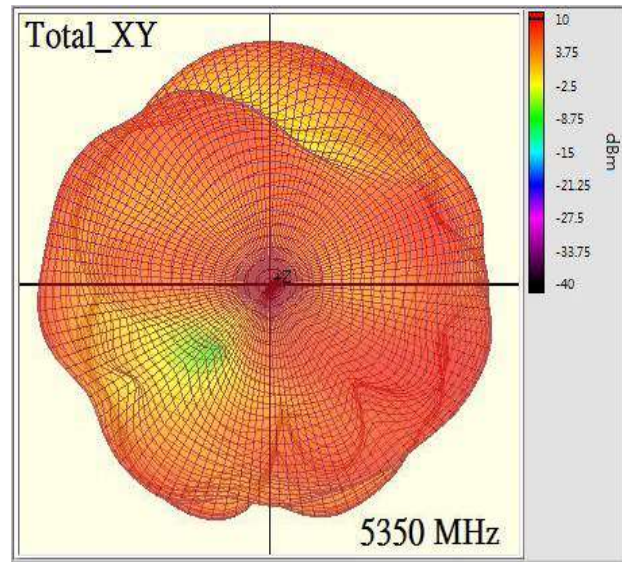
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.49



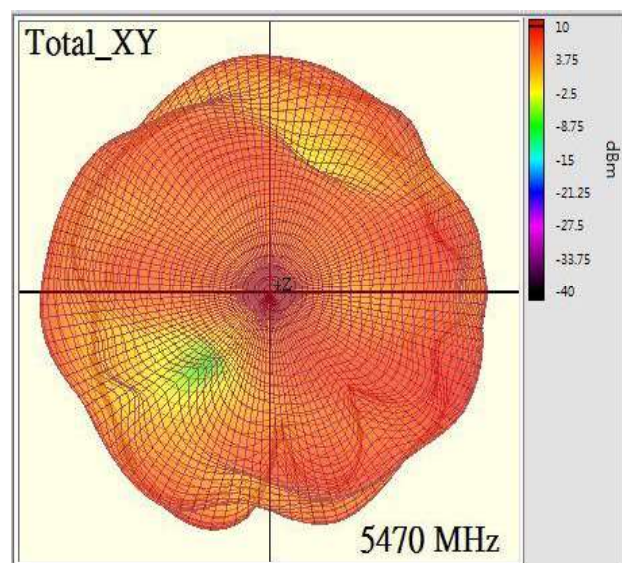
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.85



Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.90



Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.56

