

# Regulatory WLAN Antenna Information

*English Language Required for Intel Regulatory Review / Approval*

Platform information									
Brand	ODM		****End product model name	Platform type <small>(ex: regular NB, convertible PC, AIO...etc)</small>				*SAR minimum separation (mm)	
UBIQUITI	PEGA		UCI	Cable modem				200mm	
****Please fill in exact product model name and make sure the model name is visible on product cover or any parts for end users recognize for authority inspection.									
Antenna information									
Vendor		Type		Antenna Part number (Main)			Test Date(s) and name(s)		
WhaYu		Dipole		C1335-510449-A			2022/08/24 Joe		
Peak gain w/ cable loss (dBi)*									
	2.4GHz	2.45GHz	2.5GHz						
Main	3.37	3.89	4.49						

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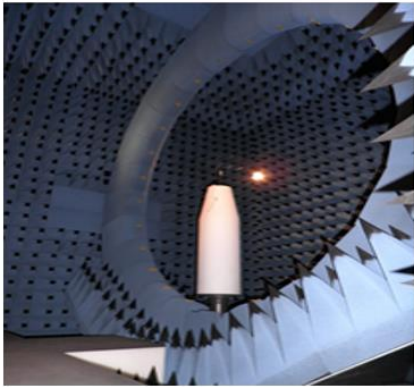
**1. Applicable test methods**

Device Under Test mounted on Satimo SG-24 Chamber turntable as shown in Setup photo. Measurements, including Radiation pattern, peak gain and efficiency by the Wavestudio test system.

**2. Test & System Description**

Equipment list

Device	Type/Module	Serial#	Manufacturer	Cal. Date	Cal. Due Date
Anechoic Chamber	Satimo SG-24	-	SATIMO	30-Nov-21	30-Nov-22
Wavestudio	Satimo SG-24 software	22.4	SATIMO	30-Nov-21	30-Nov-22
Vector Network Analyzer	E5071	MY46111191	Keysight	19-Aug-21	19-Aug-23



Pegatron's SATIMO SG24 chamber



E5071C

# Antenna Information

## Section 1. Antenna Assembly Specifications

1A	1B	1C	1D	Freq Range	1E	1F	1G	1H
Antenna Part Number	Manufacturer	Antenna Type	Cable Assembly Part Number and Information	MHz	* Peak Gain W/ Cable loss (dBi)	Peak Gain w/o Cable Loss (dBi)	Max VSWR	Cable Loss (dB)
C1335-510449-A	WhaYu	dipole		2400-2500	4.49			

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

## Section 2. Dimensioned Photos and Drawings of Antennas

Include the dimensioned photo and drawing of Main antenna here.

### Main Antenna Drawing:

The drawing includes a detailed view of the antenna assembly with the following dimensions and labels:

- Dimension:  $0.60 \pm 0.1$
- Dimension:  $[8.50]$
- Dimension:  $[35.00]$
- Dimension:  $[242 \pm 5]$
- Labels: ①, ②, ③, ④
- Text: 離型紙 (Release Paper)
- Text: 熱封留氣孔 (Heat-sealed air vent)
- Text: Label
- Text: Packing: 25pcs/bag
- Text: UL 標籤貼於外箱側唛左上角(共1PCS)

NO	DESCRIPTION	QTY	REMARK
4	雙面膠 3M 9448A ; 34*7.5mm	1	T=0.15mm
3	Connector I-PEX Connector	1	20351-112R-37
2	Cable $\phi 1.37$ mm Cable,Low Loss,黑色Black	1	凱博 ; L=250mm
1	PCB FR4;24mil;1/2oz	1	南亞

CG-	REV	DATE	DESCRIPTION
	X1	03/09-2022	New Issue

XX.	$\pm 5.0$	APPROVED	CUSTOMER:	和 福
X.	$\pm 3.0$	CHECKED	PART NO :	
.X	$\pm 1.0$		PART NAME:	PCB Antenna Assembly
.XX	$\pm 0.5$	DRAWING	W.Y P/NO :	C1335-510449-A
.XXX	$\pm 0.1$		REV	UNIT
			X1	mm
				SHEET : 1/1

**M.gear** Wha Yu Group

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### Section 3. Radiation characteristics of antenna loaded in Host Platform

