



Report Number: SZ24040068E01

ANT Test Report

Applicant : Vesync

Sample Name : WIFI_KB

Model : 20240005(OA12)_WIFI_KB_V1.1

Logo : NA

Brand : NA

Executive Standard : GB/T 9410-2008 IEEE Std 149-2021

Test Data : 2024-12-05

Sign Data : 2024-12-06

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1. Test Equipment Information

1.1 Hardware list

Equipent	Manufacturer	TYPE	Serial Number	Calibration Date	Effective Date
Network Analyzer	Aglient	E5071C	MY46110140	2024.05.30	2026.05.29
Dark Room	ETS	AMS-8923-150	TJ2235-Q1793	2023,11.30	2026.11.29

1.2 Software list

Software Name	Manufacturer	Versions	Serial Number
Antenna test system	ETS	EMQuest EMQ-100 V1.13 Build 21267	1685

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2. Test Result

2.1 Efficiency & Gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	2.09	52.9
2410	2.21	52.3
2420	2.29	50.2
2430	2.52	48.6
2440	2.81	48.5
2450	2.86	48.5
2460	2.73	48.6
2470	2.82	48.5
2480	2.86	48
2490	2.92	47.2
2500	3	47.1
MIN	2.09	47.1
MAX	3	52.9
AVG	2.65	49.13

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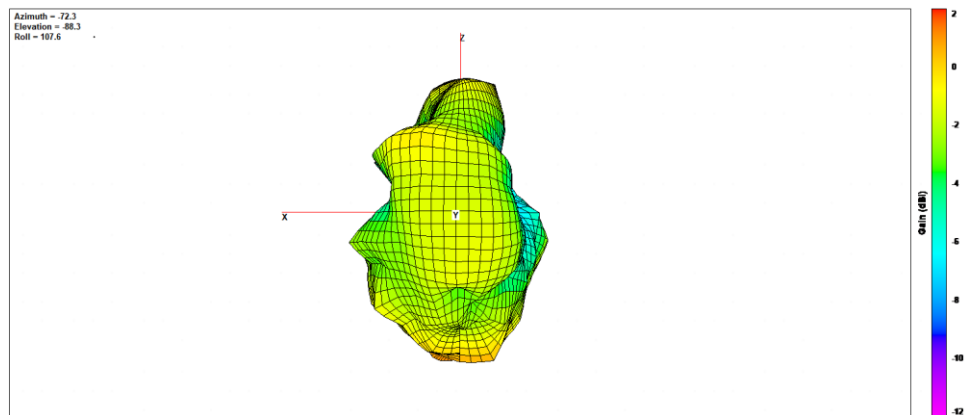


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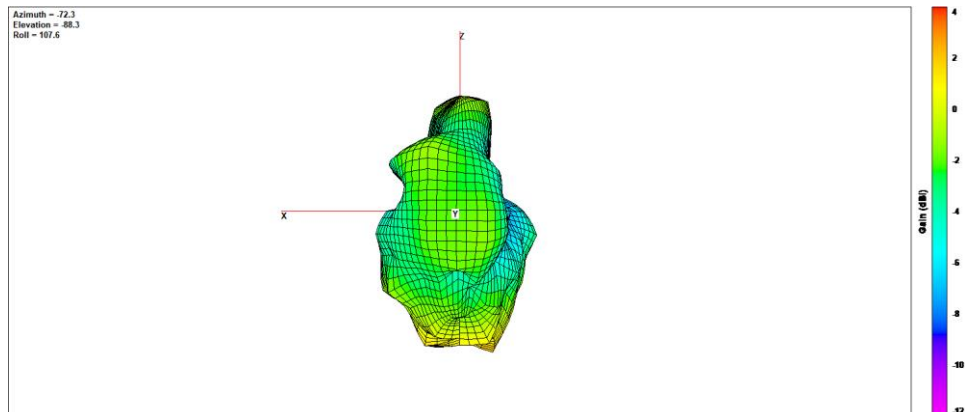
2. Test Result

2.2 Radiation Pattern

3D



2400MHz



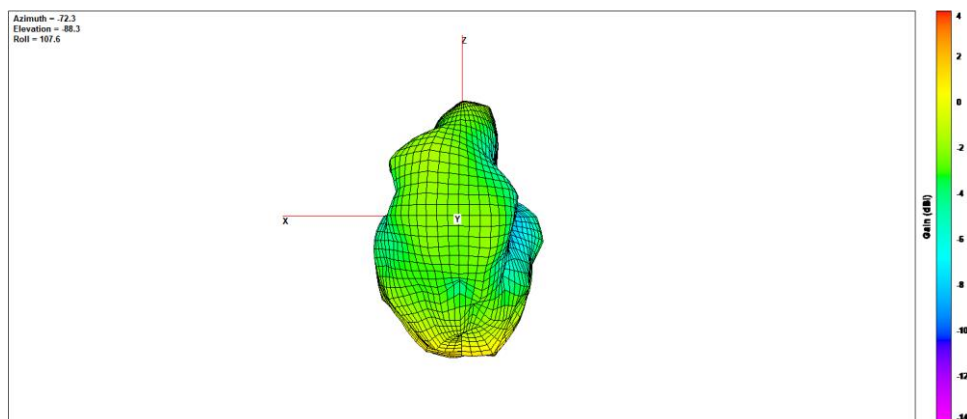
2450MHz

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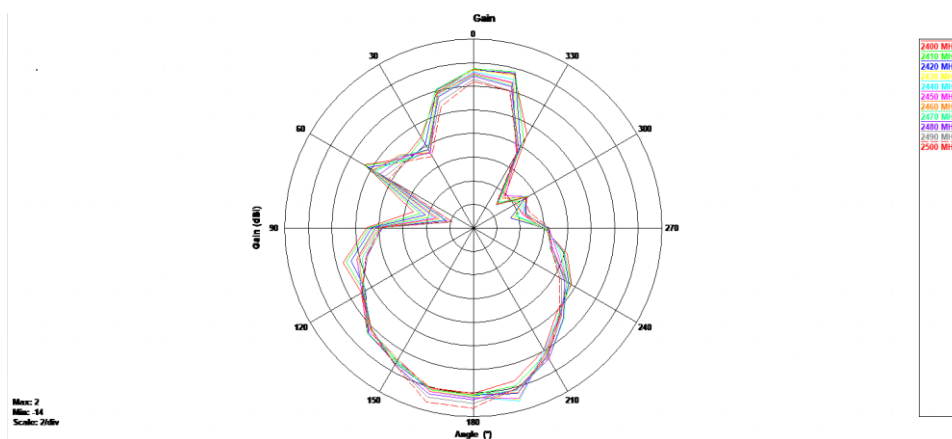


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2500MHz

2D



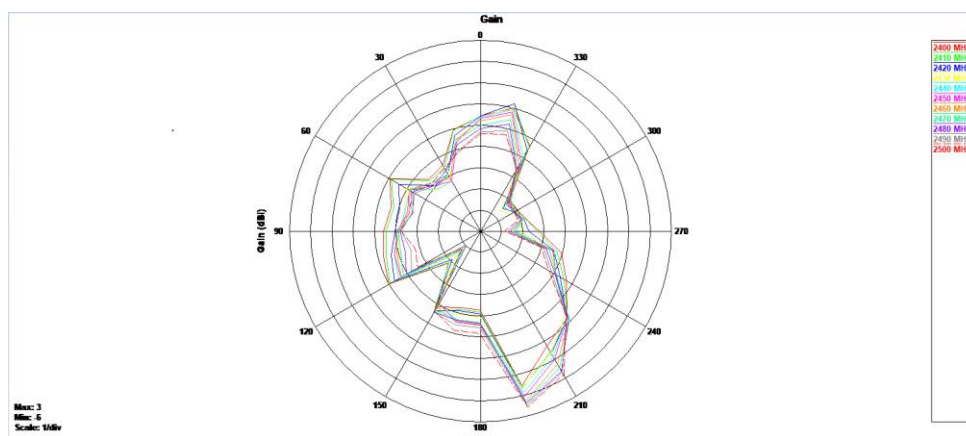
Phi=0°

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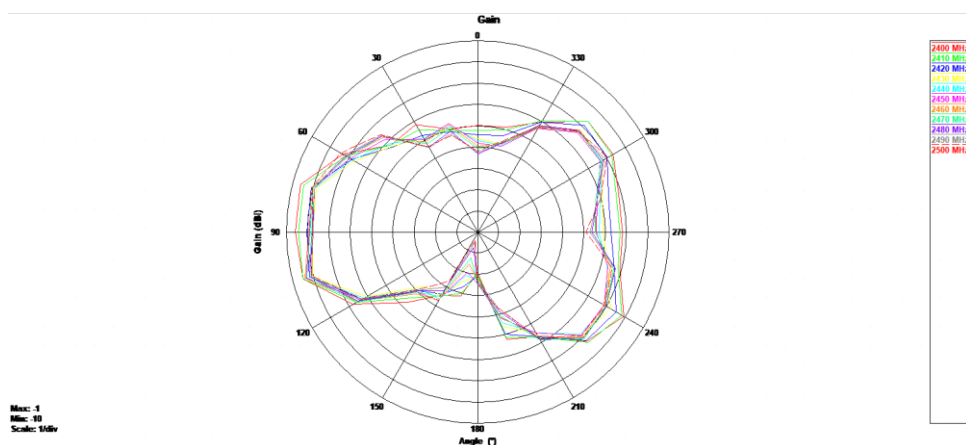
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$\Phi = 90^\circ$



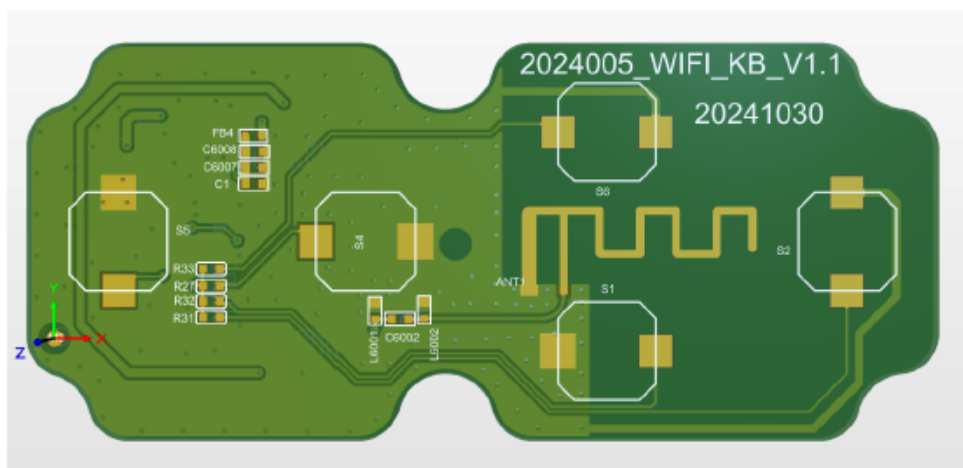
$\Theta = 90^\circ$

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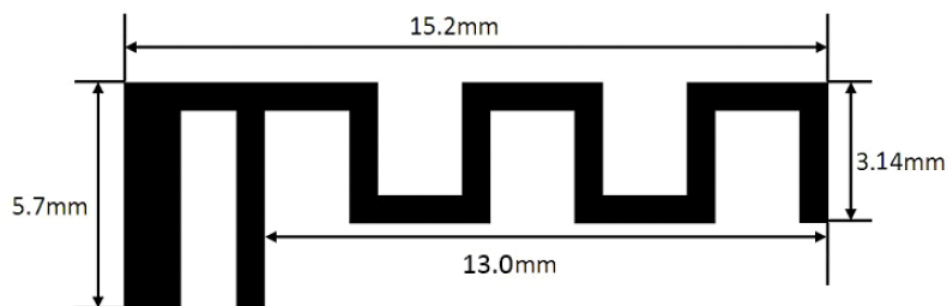
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ANT SIZE: UNIT (mm)



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