

RF Test Report

Applicant : Winmate Inc.

Product Name : Intel Wi-Fi 6E AX210 Module

Trade Name : Intel

Model Number : AX210NGW

Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013

Received Date : Jan. 01, 2024

Issued Date : Feb. 21, 2024

Issued by

Eurofins E&E Wireless Taiwan Co., Ltd.
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Taoyuan City 334025, Taiwan (R.O.C.)
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Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range: 9 kHz to 325 GHz
Bade test site :
Test Firm Registration Number: 226252
Test Firm Designation Number: TW0010
Wugu test site :
Test Firm Registration Number: 191812
Test Firm Designation Number: TW0034

Note:

1. The test results are valid only for samples provided by customers and under the test conditions described in this report.
2. This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
3. The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

Revision History

Rev.	Issued Date	Description	Revised by
00	Feb. 21, 2024	Initial Issue	Snow Wang

Verification of Compliance

Applicant : Winmate Inc.

Product Name : Intel Wi-Fi 6E AX210 Module

Trade Name : Intel

Model Number : AX210NGW

FCC ID : PX9AX210

Applicable Standard : FCC 47 CFR PART 15 SUBPART C
ANSI C63.10:2013

Test Result : Complied

Performing Lab. : Eurofins E&E Wireless Taiwan Co., Ltd.
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Eurofins E&E Wireless Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Eurofins E&E Wireless Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By : _____

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1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.207	AC Power Conducted Emission	N/A	Note
15.247(d)	Transmitter Radiated Emissions	N/A	Note
15.247(b)(3)	Max. Output Power	N/A	Note
15.247(a)(2)	6 dB RF Bandwidth	N/A	Note
15.247(e)	Maximum Power Spectral Density	N/A	Note
15.247(d)	Out of Band Conducted Spurious Emission	N/A	Note
15.203	Antenna Requirement	N/A	Note

Note: No need for verification.

Decision Rule

- ☒ Uncertainty is not included.
- ☐ Uncertainty is included.

Standard	Description
CFR47, Part 15, Subpart C	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01 15.247 Meas Guidance v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES

2 EUT Description

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity(except Max. RF Output Power).

Applicant	Winmate Inc. 9F, No.111-6, Shing-De Rd., San-Chung District, New Taipei City 241, Taiwan	
Product Name	Intel Wi-Fi 6E AX210 Module	
Trade Name	Intel	
Model Number	AX210NGW	
FCC ID	PX9AX210	
Host Information	Product Name: Rugged Tablet PC Trade Name: Winmate Model Name: M101AD, M101XXXXXXXXXXXX ("X"= A~Z,a~z,0~9,"-" Blank or Slash for marketing purpose only, no impact safety related constructions or critical components)	
Frequency Range	2402 ~ 2480 MHz	
Modulation Type	GFSK	
Operate Temp. Range	-20 ~ +60 °C	
EUT Power Rating	19.0 Vdc, 3.42 A	
Antenna information	Type	Max. Gain (dBi)
	PIFA	1.14

CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
19	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454	---	---
13	2428	27	2456	---	---

EUT Modify Description :

Modify Description:

Additional chassis added, model number: M101AD, M101XXXXXXXXXXXX ("X"= A~Z,a~z,0~9,"-" Blank or Slash for marketing purpose only, no impact safety related constructions or critical components)

Models differences: All models are electrically identical, different model names are for marketing purpose.

Add one antenna which have the same antenna type as original grant, and each antenna gain is lower.

Unable WLAN 5G and WIFI-6E function by firmware, and there are no WLAN 5G and WIFI-6E driver installed in the system. Host requires professional installation and cannot be modified by end users.

After the evaluation, retest of all test items is not required.

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