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RF Exposure Evaluation

FCC ID:2A8A4-K241

Report No..... : ZHT-250623109W03-3

Product..... : Macaron Series Wireless Keyboard

Trademark..... : /

Model(s)..... : K241

Model Difference..... : The product has different colored shells, and this test used EUT with pink shells. the test data of EUT with pink shell can represent the remaining colors.

Applicant..... : Dongguan Eranode Electronics Limited

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Manufacturer..... : Dongguan Eranode Electronics Limited

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Date of Test(s)..... : June 23, 2025 to July 28, 2025

Date of Issue..... : July 31, 2025

Test Standard(s)..... : KDB 447498 D01 General RF Exposure Guidance v06

In the configuration tested, the EUT complied with the standards specified above.

Prepared by:

Reviewed by:

Approved by:

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Kimi Lu/ Engineer

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Baret Wu/ Director

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Note: The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report shall not be reproduced except in full, without prior written approval of ZHT. This document may be altered or revised by ZHT, personnel only, and shall be noted in the revision of the document.



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1. VERSION

Report No.	Version	Description	Approved
ZHT-250626109W03-3	Rev.01	Initial issue of report	July 31, 2025



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2. RF EXPOSURE EVALUATION

According to KDB 447498 D01 General RF Exposure Guidance v06 and part 2.1093, Unless specifically required by the *published RF exposure KDB procedures*, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding *SAR Test Exclusion Threshold* condition(s), listed below, is (are) satisfied.

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

$f_{\text{(GHz)}}$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation The result is rounded to one decimal place for comparison

Here,

For Bluetooth,2.4G

Mode	Max Power (dBm)	Tune-up power (dBm)	Max Power (mW)	Frequency(MHz)	Min. Distance (mm)	Calc. thresholds	limit
2.4G	3.21	3±1	2.51	2440	5	0.784	3.0
BLE	3.21	3±1	2.51	2440	5	0.784	3.0

The device could support transmission with 2.4G, BLE simultaneously.

$MPE1/LIMIT + MPE2/LIMIT = 0.784/3 + 0.784/3 = 0.523 \leq 1.0$

Conclusion: $0.523 \leq 1.0$ or FCC SAR, No RF Exposure Evaluation/SAR test is required.