

# RF Exposure Evaluation

## FCC ID:2A8A4-M09

Report No..... : ZHT-250815116W03-4

Product..... : Metal Series Wireless Dual-Mode Silent Mouse

Trademark..... : /

Model(s)..... : M09

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.

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Date of Receipt..... : Aug. 15, 2025

Date of Test(s)..... : Aug. 15, 2025 to Aug. 21, 2025

Date of Issue..... : Aug. 27, 2025

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

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

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Approved by:

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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.	Issue Date	Description	Approved
ZHT-250815116W03-4	Aug. 27, 2025	Original	Valid

## 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  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0$  for 1-g SAR, and  $\leq 7.5$  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	2.53	2±1	2.00	2440	5	0.625	3.0
BLE	2.51	2±1	2.00	2440	5	0.625	3.0
BT	1.83	1±1	1.58	2441	5	0.291	3.0

So a SAR test is not required.