

# FCC RF Exposure

EUT Description: Wireless Mouse

Model No.: G2, G2 PRO, G3, G4, G5, G6, G7, G8, G9, G10, G3 PRO, G4 PRO, G5 PRO, G6 PRO, G7 PRO, G8 PRO, G9 PRO, G10 PRO

FCC ID: 2AZ9M-G2

## 1. Limits

According to KDB 447498 D01 General RF Exposure Guidance v06 The 1 - g and 10 - g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

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

Where:

$$\text{Result} = P/D \cdot \sqrt{F}$$

F= the RF channel transmit frequency in GHz

P=Maximum turn - up power in mw

D=Min. test separation distance in mm

## 2. Test Result of RF Exposure Evaluation

2405MHz:

$$\text{EIRP(dBm)} = 90.62(\text{dBuV/m}) - 95.2 = -4.58(\text{dBm})$$

Frequency (MHz)	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit (mW/cm <sup>2</sup> )	SAR Test Exclusion
2405	4.58-	-4 ± 1	-3/0.50	5	0.155	3.0	Pass

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2306252639-E**, antenna gain= 2.34dBi

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.155 which is  $\leq 3$ , RF Exposure testing is not required.

Note: Exclusion Thresholds Results= $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$

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

Distance=5mm