

FCC RF Exposure

EUT Description: ERGONOMIC WIRELESS RECHARGEABLE MOUSE

Model No.: 2604736

FCC ID: **2BDUR-2604736**

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 ≤ 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 ≤ 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

$$\text{EIRP(dBm)} = 101.19(\text{dBuV/m}) - 95.2 = 5.99\text{dBm}$$

| Frequency (MHz) | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power (dBm/mW) | Min test separation distance mm | Result | Limit (mW/cm ²) | SAR Test Exclusion |
|--|--------------------|---------------------|----------------------------|---------------------------------|--------|-----------------------------|--------------------|
| 2470 | 5.32 | 5 ± 1 | 6/3.981 | 5 | 1.251 | 3.0 | Pass |
| Note: PK Output power= conducted power. Conducted power see the test report HK2311245684-E , antenna gain= 1.6dBi | | | | | | | |

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 1.251 which is ≤ 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