

FCC RF Exposure

Product Name: Burstiger Clow Wireless Gaming Mouse

FCC ID: 2BMJC-BURSTIGER

Model(s): Burstiger Clow

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:

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

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

2.4g tx: EIRP(dBm)= 95.13 (dBuV/m)-95.2=-0.07(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
BLE: 2480	-2.57	-2±1	-1/0.79	5	0.02488	3.0	Pass
2.4g tx: 2475	-0.07	0±1	1/1.26	5	0.03964	3.0	Pass

Note:

PK Output power= conducted power.

Conducted power see the test report HK2411186862-1E/2E, antenna gain=-2.36dBi.

Note: the device could not transmit simultaneously in 2.4g tx and BLE.

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 0.03964 which is ≤ 3 , RF Exposure testing is not required.

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

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

Distance=5mm