

FCC RF Exposure

Product Name: Wireless Mouse

FCCID: 2AAPK-CP7085

Model(s): CP-7085, G10, G13, G16, G26, FBWM1200, FBWM1200-NOC

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:

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:

EIRP(dBm)=90.6 (dBuV/m)-95.2=-4.6(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 |
|-----------------|--------------------|---------------------|--------------------------|---------------------------------|--------|-----------------------------|--------------------|
| 2402 | -4.6 | -4 ± 1 | -3/0.50 | 5 | 0.155 | 3.0 | Pass |

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2307133016-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 ≤ 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