FCC RF Exposure

Product Name: Bluetooth +2.4G dual-mode wireless mouse
FCC ID: 2BEPP-DZK01
Model(s): DZK01

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:
[(max power of channel, including tune‑up tolerance, mW)/(min. test separation distance, mm)] •[√ f(GHz)]≤3.0 for 1‑g SAR and ≤ 7.5 for 10‑g extremity SAR,
Where:
Result=P/D* √ 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)=96.61 (dBuV/m)-95.2=1.41(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: 2402	-1.26	-1±1	0/1.00	5	0.310	3.0	Pass
EDR: 2402	-1.18	-1±1	0/1.00	5	0.310	3.0	Pass
2.4GTX: 2402	1.41	1±1	2/1.58	5	0.490	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report **HK2401150272-1E/2E/3E**, 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 0.490 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*)] ·[√f(GHz)]

f(GHz) is the RF channel transmit frequency in GHz

Distance=5mm