

FCC RF Exposure

EUT Description: Wireless mouse

Model No.: M7034

FCC ID: **2ADQY-180580MS**

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

2.4GTX: Output power(dBm)=101.27(dBuV/m)-95.2= 6.07(dBm)

	Frequency (MHz)	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power (dBm/mW)	Min test separation distance (mm)	Result	Limit	SAR Test Exclusion
BLE	2480	3.06	3 ± 1	4/2.512	5	0.791	3.0	Pass
2.4GTX	2470	6.07	6 ± 1	7/5.012	5	1.575	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report HK2408194738-1E/2E , antenna gain= 1.4dBi								

BT and SRD cannot be transmitted at the same time.

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 1.575 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