

FCC RF Exposure

EUT Description: Wireless Mouse

Model No.: M1

FCC ID: 2A6LZ-M1

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

SRD EIRP(dBm) = $99.62(\text{dBuV/m}) - 95.2 = 4.42(\text{dBm})$

	Frequency (MHz)	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power (mW)	Min test separation distance mm	Result	Limit	SAR Test Exclusion
BLE	2402	-0.50	-1 \pm 1(0)	1.000	5	0.310	3.0	Pass
SRD	2480	4.42	4 \pm 1(5)	3.162	5	0.996	3.0	Pass
Note: PK Output power = conducted power. Conducted power see the test report HK2506093051-1E/2E , antenna gain = 2.48dBi								

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.996 which is ≤ 3 , SAR 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(GHz) is the RF channel transmit frequency in GHz

Distance = 5mm