FCC RF Exposure

EUT Description: wireless keyboard
Model No.: KM-242W
FCC ID: **2ADQY-180580KB**

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

2.4GTX: Output power(dBm)=101.26(dBuV/m)-95.2= 6.06(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	2402	-3.07	-4±1	-3/0.501	5	0.155	3.0	Pass
2.4GTX	2470	6.06	6±1	7/5.012	5	1.575	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report **HK2408194733-1E/2E**, antenna gain= -0.61dBi								

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=[(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] ·[$\sqrt{f_{(GHz)}}$]

$f_{(GHz)}$ is the RF channel transmit frequency in GHz

Distance=5mm