RF Exposure Evaluation Report

1 RF EXPOSURE

Product Name: Keyboard

Model No: CK620

FCC ID: 2AYFJ-CK620

NOTE:according to KDB 447498 D01 General RF Exposure Guidance v06， Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition(s), listed below, is (are) satisfied.

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

The EUT is a portable device

[(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

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

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

The product is used at a distance of 5 mm from the human body.

Here,

1.1 EUT RF EXPOSURE EVALUATION

Operational Mode: BLE						
Channel (MHz)	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power (dBm)	Maximum tune-up Power (mW)	Calculated value	Exclusion threshold
2440	3.26	3±1	4	2.512	0.779	3
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Operational Mode: SRD						
Channel (MHz)	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power (dBm)	Maximum tune-up Power (mW)	Calculated value	Exclusion threshold
2402	5.18	5±1	6	3.981	1.234	3
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Calculated value 0.10 < 3.0, So there is no require SAR test

dbm=dbuv/m-95.2, so the 2.4G-2479.85MHz power is 100.38-95.2= 5.18dBm