

FCC RF Exposure

EUT Description: Remote Control Page Turner

Model No.: K02

FCC ID: **2A7KL-K02**

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

2.4G TX: EIRP(dBm) = 100.22(dBuV/m) - 95.2 = 5.02(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
2.4G TX	2480	5.02	5 \pm 1	6/3.162	5	0.996	3.0	Pass
BLE	2440	2.92	2 \pm 1	3/1.288	5	0.623	3.0	Pass

Note:

PK Output power = conducted power.

Conducted power see the test report **HK2408154658-1E/2E**, antenna gain = -0.58dBi

2.4G TX and BLE 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 0.996 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