

# FCC RF Exposure

EUT Description: CashCow\_Killer\_Wifi

Model No.: LQK, LQK1, LQK2, LQK3, LQK4, LQK5, LQK6, LQK7, LQK8, LQK9

FCC ID: 2AKLM-LQK

## 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  $\leq 50$  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  $\leq 7.5$  for 10 - g extremity SAR,

Where:

Result =  $P \cdot \sqrt{F/D}$

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

|               | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power dBm/mW | Min test separation distance mm | Result | Limit (mW/cm <sup>2</sup> ) | SAR Test Exclusion |
|---------------|--------------------|---------------------|--------------------------|---------------------------------|--------|-----------------------------|--------------------|
| 802.11b       | 8.26               | $8 \pm 1$           | 9/7.94                   | 5                               | 2.492  | 3.0                         | Pass               |
| 802.11g       | 7.95               | $8 \pm 1$           | 9/7.94                   | 5                               | 2.492  | 3.0                         | Pass               |
| 802.11n(HT20) | 7.82               | $8 \pm 1$           | 9/7.94                   | 5                               | 2.492  | 3.0                         | Pass               |
| BT 4.0        | -1.86              | $-1 \pm 1$          | 0/1.00                   | 5                               | 0.315  | 3.0                         | Pass               |

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