

# FCC RF Exposure

EUT Description: CAR DVR

Model No.: A1, A2, A3

FCC ID: **2ALJF-A1A2A3**

## 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:  
[(max power of channel, including tune - up tolerance, mW)/(min. test separation distance, mm)] • [  $\sqrt{f(\text{GHz})}$  ]  $\leq 3.0$  for 1 - g SAR and  $\leq 7.5$  for 10 - g extremity SAR,

Where:

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

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       | 8.87               | 8 ± 1               | 9/7.94                   | 5                               | 2.492  | 3.0                         | Pass               |
| 802.11g       | 8.63               | 8 ± 1               | 9/7.94                   | 5                               | 2.492  | 3.0                         | Pass               |
| 802.11n(HT20) | 8.34               | 8 ± 1               | 9/7.94                   | 5                               | 2.492  | 3.0                         | Pass               |

Note: Exclusion Thresholds Results = [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [  $\sqrt{f(\text{GHz})}$  ]

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Distance = 5mm