

# FCC RF Exposure

EUT Description: **Tablet PC**

Model No.: **CAP-001M, CAP-XXXM(X=0-9)**

FCC ID: **2ABNT-CAP001M**

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

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

|          | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power dBm/mW | Min test separation distance mm | Result | Limit | SAR Test Exclusion |
|----------|--------------------|---------------------|--------------------------|---------------------------------|--------|-------|--------------------|
| EDR      | 6.649              | 6 $\pm$ 1(7)        | 5.01                     | 5                               | 1.578  | 3.0   | Pass               |
| BLE      | 2.993              | 2 $\pm$ 1(3)        | 1.995                    | 5                               | 0.628  | 3.0   | Pass               |
| 11b      | 8.45               | 8 $\pm$ 1(9)        | 7.94                     | 5                               | 2.492  | 3.0   | Pass               |
| 11g      | 8.49               | 8 $\pm$ 1(9)        | 7.94                     | 5                               | 2.492  | 3.0   | Pass               |
| 11n/HT20 | 8.46               | 8 $\pm$ 1(9)        | 7.94                     | 5                               | 2.492  | 3.0   | Pass               |
| 11n/HT40 | 8.39               | 8 $\pm$ 1(9)        | 7.94                     | 5                               | 2.492  | 3.0   | Pass               |

Note:

PK Output power = conducted power.

Conducted power see the test report HK1911263112-1E/2E/3E, antenna gain = 0dBi

Per KDB 447498 D01, when the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 2.492 which is  $\leq 3$ , SAR 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