

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 ≤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:

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

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±1(7)	5.01	5	1.578	3.0	Pass
BLE	2.993	2±1(3)	1.995	5	0.628	3.0	Pass
11b	8.45	8±1(9)	7.94	5	2.492	3.0	Pass
11g	8.49	8±1(9)	7.94	5	2.492	3.0	Pass
11n/HT20	8.46	8±1(9)	7.94	5	2.492	3.0	Pass
11n/HT40	8.39	8±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 ≤ 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