

FCC RF Exposure

Product Name: Tablet PC

FCC ID: 2BAAR-F45A

Model(s): F45A

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 = $P/D^2 \cdot \sqrt{F}$

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

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 wifi: 2412	4.51	4 ± 1	5/3.16	5	0.981	3.0	Pass
BLE: 2440	3.75	3 ± 1	4/2.51	5	0.987	3.0	Pass
EDR:2441	4.09	4 ± 1	5/3.16	5	0.987	3.0	Pass
5.2g wifi: 5180	4.86	4 ± 1	5/3.16	5	1.438	3.0	Pass
5.8g wifi: 5745	4.44	4 ± 1	5/3.16	5	1.515	3.0	Pass

Note:

PK Output power = conducted power.

Conducted power see the test report **HK2401150280-1E/2E/3E/4E/5E**, antenna gain = -0.5dBi(BT/2.4g wifi), 1dBi(5g wifi)

BT MPE (max) = 0.987 (mW/cm²)

5G wifi (max) = 1.515 (mW/cm²)

simultaneously MPE = 0.987 + 1.515 = 2.502 (mW/cm²)

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 2.502 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(GHz) is the RF channel transmit frequency in GHz

Distance = 5mm