



RF Exposure evaluation

Test report
On Behalf of
Shenzhen Vitek Electronics Co., Ltd.
For
8 inch Tablet PC
Model No.: VK800, XK80, XK80-XXX1, VK800-XXX1

FCC ID: 2AUIK-VK800

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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	exclusion thresholds for 1-g SAR	SAR Test Exclusion
2.4 WiFi	8.49	7.5±1	8.5/ 7.08	5	2.199	3.0	Pass
5.2 WiFi	8.36	7.5±1	8.5/ 7.08	5	2.199	3.0	Pass
BLE	-0.021	-1±1	0/ 1.0	5	0.315	3.0	Pass
BT EDR	3.56	3±1	4/ 2.51	5	0.791	3.0	Pass

Note:

PK Output power= conducted power.

Conducted power see the test report HK1909232397-1E/-2E/-3E/-4E, antenna gain=1dBi

Note: WiFi and BT functions can be used at the same time, so the maximum test exclusion threshold is $2.199 + 0.791 = 2.99$

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 2.99, 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.....**End of Report.....**