

FCC RF Exposure

EUT Description: 11.6inch Netbook,Notebook,Laptop

Model No.: VK116

FCC ID: 2AU1K-VK116V2

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:

$$\left[\frac{\text{max power of channel, including tune - up tolerance, mW}}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0$$
for 1 - g SAR and ≤ 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

	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit	SAR Test Exclusion
BLE	4.21	4 ± 1	5/ 3.16	5	0.9960	3.0	Pass
EDR	1.863	1 ± 1	2/1.58	5	0.4992	3.0	Pass
2.4GWIFI	9.20	8.5 ± 1	9.5/ 8.91	5	2.7826	3.0	Pass
5.2GWIFI	6.35	5.5 ± 1	6.5/ 4.47	5	2.0391	3.0	Pass
5.8GWIFI	6.14	5.5 ± 1	6.5/4.47	5	2.1469	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report HK2107122302-1E/2E/3E/4E/5E . Gantenna gain=1dBi							

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 2.7826 which is ≤ 3 , RF Exposure testing is not required.

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

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

Distance=5mm

Note: the device could not transmit simultaneously in BT, 2.4G WIFI and 5G WIFI.