

RF Exposure Report

FCC ID: 2AJXP-X6

1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

Equipment	Kids Tablet
Model Name	X6
Additional Model Number(s)	N/A
Model Difference	N/A
Frequency Range	802.11b/g/n(HT20):2412~2462 MHz 802.11n(HT40):2422~2452 MHz Bluetooth V3.0: 2402~2480 MHz
Modulation Type	802.11b: DSSS (BPSK/QPSK/CCK) 802.11g/n: OFDM Bluetooth: GFSK/ π /4-DQPSK/8-DPSK
Data Rate	802.11b: 1/2/5.5/11 Mbps 802.11g: 6/9/12/18/24/36/48/54 Mbps 802.11n: 150 Mbps Bluetooth: 1M/2M/3M
Power Source	DC Powered by AC/DC Adapter . DC Powered by host system or Battery .
Power Rating	AC/DC Adapter: Input: AC 100-240V,0.35A Max. Output: AC 120V/ 60Hz, 2000mA. AC 120V/ 60Hz from USB interference. DC 3.7V 6000mAh from Battery.
Remark	More details EUT technical specifications, please refer to the User's Manual.

2. RF EXPOSURE INFORMATION

SAR Test Exclusion Calculations

2.1 FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

(1) Clause 4.3: General SAR test reduction and exclusion guidance

Sub clause 4.31: Standalone SAR test exclusion considerations

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 3.0$ for 1-g SAR

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 7.5.0$ for 10-g SAR

2.2

Calculation:

Bluetooth Mode						
GFSK(1Mbps)						
Frequency (MHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	TX Power (mW)	Distance (mm)	Calculation Value	Threshold Value
2402	2.197	± 1	2.088	5	0.647	3.0
2441	2.567	± 1	2.274	5	0.710	3.0
2480	2.690	± 1	2.339	5	0.737	3.0
8-DPSK(3Mbps)						
Frequency (MHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	TX Power (mW)	Distance (mm)	Calculation Value	Threshold Value
2402	1.414	± 1	1.743	5	0.540	3.0
2441	1.883	± 1	1.942	5	0.607	3.0
2480	1.990	± 1	1.991	5	0.627	3.0

WiFi Mode						
802.11b						
Frequency (MHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	TX Power (mW)	Distance (mm)	Calculation Value	Threshold Value
2412	9.24	± 0.5	9.419	5	2.926	3.0
2437	9.26	± 0.5	9.462	5	2.954	3.0
2462	9.21	± 0.5	9.354	5	2.935	3.0
802.11g						
Frequency (MHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	TX Power (mW)	Distance (mm)	Calculation Value	Threshold Value
2412	9.12	± 0.5	9.162	5	2.846	3.0
2437	9.14	± 0.5	9.204	5	2.874	3.0
2462	9.16	± 0.5	9.247	5	2.902	3.0
802.11n(HT20)						
Frequency (MHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	TX Power (mW)	Distance (mm)	Calculation Value	Threshold Value
2412	9.02	± 0.5	8.954	5	2.781	3.0
2437	9.05	± 0.5	9.016	5	2.815	3.0
2462	9.11	± 0.5	9.141	5	2.869	3.0
802.11n(HT40)						
Frequency (MHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	TX Power (mW)	Distance (mm)	Calculation Value	Threshold Value
2422	8.98	± 0.5	8.872	5	2.761	3.0
2437	8.89	± 0.5	8.690	5	2.713	3.0
2452	8.96	± 0.5	8.831	5	2.766	3.0

So standalone SAR measurements are not required.

*****END OF REPORT*****