

RF EXPOSURE REPORT

for

Rosewill Inc.

Model Number: **RNX-AC1200UBv2**

FCC ID: **W6RRNX-AC1200UBV2**

Prepared for : Rosewill Inc.
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1. RF EXPOSURE EVALUATION

Test Result of RF Exposure Evaluation

According to the KDB-447498 D01 V05, FCC 47CFR § 2.1093 the following RF exposure evaluation shall to demonstrate RF exposure compliance.

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance,mm)]

* [√ f(GHz)]

2.4G

	Antenna port	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Maximum Conducted Output Power (mW)	Antenna Gain (dBi)	Separation distance mm	RF exposure	Total RF exposure
802.11b	ANT1	3±1.0	4	2.51	1.58(2.0dBi)	5	0.79	/
	ANT2	3±1.0	4	2.51	1.58(2.0dBi)		0.79	
802.11g	ANT1	3±1.0	4	2.51	1.58(2.0dBi)	5	0.79	/
	ANT2	3±1.0	4	2.51	1.58(2.0dBi)		0.79	
802.11n 20MHz	ANT1	0±1.0	1	1.26	1.58(2.0dBi)	5	0.40	0.80
	ANT2	0±1.0	1	1.26	1.58(2.0dBi)		0.40	
802.11n 40MHz	ANT1	0±1.0	1	1.26	1.58(2.0dBi)	5	0.39	0.78
	ANT2	0±1.0	1	1.26	1.58(2.0dBi)		0.39	

5180-5240MHz

	Antenna port	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Maximum Conducted Output Power (mW)	Antenna Gain (dBi)	Separation distance mm	RF exposure	Total RF exposure
802.11a	ANT1	-5±1.0	-4	0.4	1.58(2.0dBi)	5	0.18	/
	ANT2	-5±1.0	-4	0.4	1.58(2.0dBi)		0.18	
802.11n 20MHz	ANT1	-5±1.0	-4	0.4	1.58(2.0dBi)	5	0.18	0.36
	ANT2	-5±1.0	-4	0.4	1.58(2.0dBi)		0.18	

5745-5825MHz

	Antenna port	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Maximum Conducted Output Power (mW)	Antenna Gain (dBi)	Separation distance mm	RF exposure	Total RF exposure
802.11a	ANT1	-5±1.0	-4	0.4	1.58(2.0dBi)	5	0.19	/
	ANT2	-5±1.0	-4	0.4	1.58(2.0dBi)		0.19	
802.11n 20MHz	ANT1	-5±1.0	-4	0.4	1.58(2.0dBi)	5	0.19	0.38
	ANT2	-5±1.0	-4	0.4	1.58(2.0dBi)		0.19	

The Max RF exposure is 0.8.

Threshold at which no SAR required is ≤ 3.0 for 1-g SAR, Separation distance is 5mm.

Conclusion:

So no SAR is required.