

RF EXPOSURE REPORT

for

Shenzhen Elicks Technology Co., Ltd.

Model Number: **WF8300**

FCC ID: **2AK8V-WF8300**

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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)]

* [$\sqrt{f(\text{GHz})}$]

	Frequency	Antenna port	Maximum Conducted Output Power(PK)	Maximum Conducted Output Power(PK)	Total Conducted Output Power(PK)	Total Conducted Output Power(PK)	LIMIT
	(MHz)		(dBm)	(mW)	(mW)	(dBm)	dBm
802.11b	2412	Ant.1	7.85	6.10	N/A	N/A	30
		Ant.2	7.55	5.69			
	2437	Ant.1	7.63	5.79	N/A	N/A	30
		Ant.2	7.45	5.56			
	2462	Ant.1	7.57	5.71	N/A	N/A	30
		Ant.2	7.51	5.64			
802.11g	2412	Ant.1	6.86	4.85	N/A	N/A	30
		Ant.2	6.48	4.45			
	2437	Ant.1	6.69	4.67	N/A	N/A	30
		Ant.2	6.37	4.34			
	2462	Ant.1	6.35	4.32	N/A	N/A	30
		Ant.2	6.05	4.03			
802.11n20	2412	Ant.1	4.35	2.72	5.53	7.43	30
		Ant.2	4.48	2.81			
	2437	Ant.1	4.39	2.75	5.52	7.42	30
		Ant.2	4.42	2.77			
	2462	Ant.1	4.65	2.92	5.58	7.47	30
		Ant.2	4.25	2.66			
802.11n40	2422	Ant.1	3.87	2.44	4.66	6.68	30
		Ant.2	3.46	2.22			
	2437	Ant.1	3.57	2.28	4.59	6.62	30
		Ant.2	3.63	2.31			
	2452	Ant.1	3.76	2.38	4.70	6.72	30
		Ant.2	3.65	2.32			

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	7±1.0	8	6.31	1.26(1.0dBi)	5	2.47	2.47
	ANT2	7±1.0	8	6.31	1.26(1.0dBi)		2.47	2.47
802.11g	ANT1	6±1.0	7	5.01	1.26(1.0dBi)	5	1.96	1.96
	ANT2	6±1.0	7	5.01	1.26(1.0dBi)		1.96	1.96
802.11n 20MHz	ANT1	4±1.0	5	3.16	1.26(1.0dBi)	5	1.24	2.48
	ANT2	4±1.0	5	3.16	1.26(1.0dBi)		1.24	
802.11n 40MHz	ANT1	3±1.0	4	2.51	1.26(1.0dBi)	5	0.78	1.56
	ANT2	3±1.0	4	2.51	1.26(1.0dBi)		0.78	

The Max RF exposure is 2.47.

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

Conclusion:

So no SAR is required.