MPE ESTIMATION
FCC ID: **2ASLM-ES8266A101**

1,**Limit for General Population/ Uncontrolled Exposures**

Frequency	**Power density (mW/ cm^2)**	**Averaging time(minutes)**
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

2, Estimation Result

For 2.4G WIFI:

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm^2)
11b	12.28	12±1(13)	19.95	1	1.2589	0.01000
11g	11.92	11±1(12)	15.85	1	1.2589	0.00794
11n/HT20	11.22	11±1(12)	15.85	1	1.2589	0.00794
11n/HT40	10.05	10±1(11)	12.59	1	1.2589	0.00631

Note: $Pd = \frac{Pout * G}{4\pi r^2}$;

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.
Conducted power see the test report HK1901250235-E, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm^2)
11b	CH1	12.28	16.90	1	1.2589	0.00424
	CH6	12.25	16.79	1	1.2589	0.00421
	CH11	11.72	14.86	1	1.2589	0.00372
11g	CH1	11.92	15.56	1	1.2589	0.00390
	CH6	11.47	14.03	1	1.2589	0.00352
	CH11	11.54	14.26	1	1.2589	0.00357
11n/HT20	CH1	11.22	13.24	1	1.2589	0.00332
	CH6	10.75	11.89	1	1.2589	0.00298
	CH11	10.57	11.40	1	1.2589	0.00286
11n/HT40	CH1	9.84	9.64	1	1.2589	0.00242
	CH4	10.05	10.12	1	1.2589	0.00253
	CH7	9.78	9.51	1	1.2589	0.00238

Note: $Pd = \frac{Pout * G}{4\pi r^2}$;

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.
Conducted power see the test report HK1901250235-E, antenna gain=1dBi.

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