

MPE ESTIMATION
 FCC ID: **2ASKS-T102**

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	14.48	13.5±1(14.5)	28.18	1	1.2589	0.00706
11g	13.86	13±1(14)	25.12	1	1.2589	0.00629
11n/HT20	13.32	13±1(14)	25.12	1	1.2589	0.00629
11n/HT40	12.93	12±1(13)	19.95	1	1.2589	0.00500
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK1902110246-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	14.48	28.05	1	1.2589	0.00703
	CH6	14.24	26.55	1	1.2589	0.00665
	CH11	14.16	26.06	1	1.2589	0.00653
11g	CH1	13.69	23.39	1	1.2589	0.00586
	CH6	13.86	24.32	1	1.2589	0.00609
	CH11	13.57	22.75	1	1.2589	0.00570
11n/HT20	CH1	13.25	21.13	1	1.2589	0.00530
	CH6	13.32	21.48	1	1.2589	0.00538
	CH11	13.19	20.84	1	1.2589	0.00522
11n/HT40	CH3	12.93	19.63	1	1.2589	0.00492
	CH6	12.58	18.11	1	1.2589	0.00454
	CH9	12.74	18.79	1	1.2589	0.00471
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK1902110246-E , antenna gain=1dBi.						

Conclusion: No SAR evaluation required since transmitter power is below FCC threshold

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