MPE ESTIMATION
FCC ID: **2ATDT-M7**

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	13.52	13±1(14)	25.12	1	1.2589	0.00629
11g	12.62	12±1(13)	19.95	1	1.2589	0.00500
11n/HT20	12.24	12±1(13)	19.95	1	1.2589	0.00500
11n/HT40	11.11	11±1(12)	15.85	1	1.2589	0.00397
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 HK1904280961-E, antenna gain=1dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	CH1	13.52	22.49	1	1.2589	0.00564
	CH6	13.12	20.51	1	1.2589	0.00514
	CH11	13.06	20.23	1	1.2589	0.00507
11g	CH1	12.62	18.28	1	1.2589	0.00458
	CH6	12.43	17.50	1	1.2589	0.00438
	CH11	12.51	17.82	1	1.2589	0.00447
11n/HT20	CH1	12.24	16.75	1	1.2589	0.00420
	CH6	11.59	14.42	1	1.2589	0.00361
	CH11	11.19	13.15	1	1.2589	0.00330
11n/HT40	CH1	11.11	12.91	1	1.2589	0.00324
	CH4	11.01	12.62	1	1.2589	0.00316
	CH7	10.98	12.53	1	1.2589	0.00314
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 HK1904280961-E, antenna gain=1dBi.						

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