MPE ESTIMATION
FCC ID: **2ASVV-TBOPLAY7**

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	14.53	14±1(15)	31.62	1	1.2589	0.00792
11g	13.95	13±1(14)	25.12	1	1.2589	0.00629
11n/HT20	13.26	13±1(14)	25.12	1	1.2589	0.00629
11n/HT40	12.92	12±1(13)	19.95	1	1.2589	0.00500

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 HK1903250642-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	14.53	28.38	1	1.2589	0.00711
	CH6	14.16	26.06	1	1.2589	0.00653
	CH11	14.16	26.06	1	1.2589	0.00653
11g	CH1	13.61	22.96	1	1.2589	0.00575
	CH6	13.95	24.83	1	1.2589	0.00622
	CH11	13.45	22.13	1	1.2589	0.00555
11n/HT20	CH1	13.11	20.46	1	1.2589	0.00513
	CH6	13.21	20.94	1	1.2589	0.00525
	CH11	13.26	21.18	1	1.2589	0.00531
11n/HT40	CH1	12.92	19.59	1	1.2589	0.00491
	CH4	12.48	17.70	1	1.2589	0.00444
	CH7	12.63	18.32	1	1.2589	0.00459

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 HK1903250642-E, antenna gain=1dBi.

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