

MPE ESTIMATION
 FCC ID: 2ATY7-USSK301

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	12.76	12±1(13)	19.95	1	1.2589	0.00500
11g	11.92	11±1(12)	15.85	1	1.2589	0.00397
11n/HT20	11.66	11±1(12)	15.85	1	1.2589	0.00397
11n/HT40	10.69	10±1(11)	12.59	1	1.2589	0.00315

$$Pd = \frac{P_{out} * G}{4\pi r^2} ;$$

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK1903070401-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	12.76	18.88	1	1.2589	0.00473
	CH6	12.66	18.45	1	1.2589	0.00462
	CH11	12.29	16.94	1	1.2589	0.00425
11g	CH1	11.92	15.56	1	1.2589	0.00390
	CH6	11.53	14.22	1	1.2589	0.00356
	CH11	11.62	14.52	1	1.2589	0.00364
11n/HT20	CH1	11.66	14.66	1	1.2589	0.00367
	CH6	11.32	13.55	1	1.2589	0.00340
	CH11	10.89	12.27	1	1.2589	0.00308
11n/HT40	CH1	10.15	10.35	1	1.2589	0.00259
	CH4	10.69	11.72	1	1.2589	0.00294
	CH7	10.04	10.09	1	1.2589	0.00253

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK1903070401-E, antenna gain=1dBi.

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