MPE ESTIMATION

FCC ID: 2AGN7-H6PRO

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

Note: F= Frequency in MHz

2, Estimation Result

For 2.4G

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	14.43	14±1(15)	31.62	2	1.585	0.00998
11g	13.57	14±1(15)	31.62	2	1.585	0.00998
11n/HT20	13.35	14±1(15)	31.62	2	1.585	0.00998
11n/HT40	11.29	12±1(13)	19.95	2	1.585	0.00629

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 HK1700615038-E, antenna gain=2dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	CH1	14.43	27.73	2	1.585	0.00875
	CH6	14.26	26.67	2	1.585	0.00841
	CH11	14.18	26.18	2	1.585	0.00826
11g	CH1	13.57	22.75	2	1.585	0.00718
	CH6	13.41	21.93	2	1.585	0.00692
	CH11	13.24	21.09	2	1.585	0.00665
11n/HT20	CH1	13.28	21.28	2	1.585	0.00671
	CH6	13.35	21.63	2	1.585	0.00682
	CH11	13.16	20.70	2	1.585	0.00653
11n/HT40	CH3	11.22	13.24	2	1.585	0.00418
	CH6	11.29	13.46	2	1.585	0.00425
	CH9	11.13	12.97	2	1.585	0.00409

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

Note:

Note: The estimation distance is 20cm

Note:　PK Output power= conducted power.

Conducted power see the test report HK1700615038-E, antenna gain=2dBi.

For 5.2G：

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11a	17.83	17±1(18)	63.10	2	1.585	0.01991
11n/HT20	17.87	17±1(18)	63.10	2	1.585	0.01991
11n/HT40	16.92	17±1(18)	63.10	2	1.585	0.01991

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK1700615041-E, antenna gain=2dB.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11a	CH36	17.83	60.67	2	1.585	0.01914
	CH40	17.82	60.53	2	1.585	0.01910
	CH48	17.83	60.67	2	1.585	0.01914
11n/HT20	CH36	17.76	59.70	2	1.585	0.01883
	CH40	17.67	58.48	2	1.585	0.01845
	CH48	17.87	61.24	2	1.585	0.01932
11n/HT40	CH38	16.92	49.20	2	1.585	0.01552
	CH46	16.76	47.42	2	1.585	0.01496

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK1700615041-E, antenna gain=2dB.

For 5.8G：

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11a	17.93	17±1(18)	63.10	2	1.585	0.01991
11n/HT20	17.58	17±1(18)	63.10	2	1.585	0.01991
11n/HT40	16.89	17±1(18)	63.10	2	1.585	0.01991

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK1700615041-E, antenna gain=2dB.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11a	CH149	17.72	59.16	2	1.585	0.01866
11a	CH157	17.71	59.02	2	1.585	0.01862
11a	CH165	17.93	62.09	2	1.585	0.01959
11n/HT20	CH149	17.57	57.15	2	1.585	0.01803
11n/HT20	CH157	17.58	57.28	2	1.585	0.01807
11n/HT20	CH165	17.52	56.49	2	1.585	0.01782
11n/HT40	CH151	16.89	48.87	2	1.585	0.01542
11n/HT40	CH159	16.64	46.13	2	1.585	0.01455

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK1700615041-E, antenna gain=2dB.

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