

MPE ESTIMATION

FCC ID: 2AROK-YS02HA-W

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	13.25	13 ± 1(14)	25.12	1	1.2589	0.00629
11g	12.81	12 ± 1(13)	19.95	1	1.2589	0.00500
11n/HT20	12.46	12 ± 1(13)	19.95	1	1.2589	0.00500
11n/HT40	12.15	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 HK1810251414-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	13.25	21.13	1	1.2589	0.00530
	CH6	12.88	19.41	1	1.2589	0.00486
	CH11	13.04	20.14	1	1.2589	0.00505
11g	CH1	12.81	19.10	1	1.2589	0.00479
	CH6	12.66	18.45	1	1.2589	0.00462
	CH11	12.57	18.07	1	1.2589	0.00453
11n/HT20	CH1	12.39	17.34	1	1.2589	0.00434
	CH6	12.46	17.62	1	1.2589	0.00442
	CH11	12.20	16.60	1	1.2589	0.00416
11n/HT40	CH1	12.15	16.41	1	1.2589	0.00411
	CH4	11.87	15.38	1	1.2589	0.00385
	CH7	11.63	14.55	1	1.2589	0.00365
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK1810251414-E, antenna gain=1dBi.						

-----The End-----