

MPE ESTIMATION
 FCC ID: 2AFBT-U4XCMNF

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

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	14.68	14±1(15)	31.62	2	1.585	0.00998
11g	13.58	14±1(15)	31.62	2	1.585	0.00998
11n/HT20	12.78	12±1(13)	19.95	2	1.585	0.00629
11n/HT40	10.76	10±1(11)	12.59	2	1.585	0.00397

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report UNI170618068-E, antenna gain=2dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	CH1	14.68	29.38	2	1.585	0.00927
	CH6	14.25	26.61	2	1.585	0.00840
	CH11	14.12	25.82	2	1.585	0.00815
11g	CH1	13.58	22.80	2	1.585	0.00719
	CH6	13.37	21.73	2	1.585	0.00686
	CH11	13.14	20.61	2	1.585	0.00650
11n/HT20	CH1	12.78	18.97	2	1.585	0.00598
	CH6	12.46	17.62	2	1.585	0.00556
	CH11	12.21	16.63	2	1.585	0.00525
11n/HT40	CH3	10.76	11.91	2	1.585	0.00376
	CH6	10.59	11.45	2	1.585	0.00361
	CH9	10.36	10.86	2	1.585	0.00343
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report UNI170618068-E, antenna gain=2dBi.						

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