

MPE ESTIMATION  
FCC ID: 2ADK2R8192EU5

**1,Limit for General Population/ Uncontrolled Exposures**

Frequency	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Note: F= Frequency in MHz

**2, Estimation Result**

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )
11b	CH1	15.48	35.32	1	1.2589	0.00885
	CH6	15.31	33.96	1	1.2589	0.00851
	CH11	15.69	37.07	1	1.2589	0.00928
11g	CH1	14.72	29.65	1	1.2589	0.00743
	CH6	14.58	28.71	1	1.2589	0.00719
	CH11	14.37	27.35	1	1.2589	0.00685
11n/HT20	CH1	14.22	26.42	1	1.2589	0.00662
	CH6	14.19	26.24	1	1.2589	0.00657
	CH11	14.21	26.36	1	1.2589	0.0066
11n/HT40	CH1	12.82	19.14	1	1.2589	0.00479
	CH4	12.75	18.84	1	1.2589	0.00472
	CH7	12.69	18.58	1	1.2589	0.00465

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power max is for antenna A.

PK Output power= conducted power.

Conducted power see the test report BZT-2014NT1101331F, antenna gain=1dBi.



Mode	CH	PK Output power(dBm)	Output power(mW)	Directional Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )
11n/HT20	CH1	17.07	50.93	4.01	2.5177	0.02551
	CH6	17.09	51.17	4.01	2.5177	0.02563
	CH11	17.06	50.82	4.01	2.5177	0.02546
11n/HT40	CH1	15.33	34.12	4.01	2.5177	0.01709
	CH4	15.32	34.04	4.01	2.5177	0.01705
	CH7	15.26	33.57	4.01	2.5177	0.01682
$Pd = \frac{P_{out} * G}{4\pi r^2} :$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power max is for antenna A and antenna B simultaneously transmit. PK Output power= conducted power. Conducted power see the test report BZT-2014NT1101331F, antenna gain=1dBi. Directional gain = antenna gain + array gain =1+10log(2)=4.01						

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