

MPE ESTIMATION
 FCC ID: **2AFKNSE300W**

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	19.76	19±1(20)	100	3	1.995	0.0397
11g	19.42	19±1(20)	100	3	1.995	0.0397
11n/HT20	18.96	19±1(20)	100	3	1.995	0.0397
11n/HT40	18.63	19±1(20)	100	3	1.2589	0.02505
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report UN1600911026-E , antenna gain=3dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	CH1	19.25	84.14	3	1.995	0.0334
	CH6	19.76	94.62	3	1.995	0.0376
	CH11	19.45	88.10	3	1.995	0.035
11g	CH1	18.47	70.31	3	1.995	0.0279
	CH6	19.42	87.50	3	1.995	0.0347
	CH11	18.65	73.28	3	1.995	0.0291
11n/HT20	CH1	18.42	69.50	3	1.995	0.0276
	CH6	18.96	78.70	3	1.995	0.0312
	CH11	18.62	72.78	3	1.995	0.0289
11n/HT40	CH1	18.22	66.37	3	1.995	0.0263
	CH4	18.63	72.95	3	1.995	0.029
	CH7	18.41	69.34	3	1.995	0.0275
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report UNI1600911026-E , antenna gain=3dBi.						

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