

MPE ESTIMATION

FCC ID: 2ANTC-C512W4

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	8.69	9±1(10)	10	0	1	0.001990
11g	7.85	8±1(9)	7.94	0	1	0.001580
11n/HT20	7.76	8±1(9)	7.94	0	1	0.001580

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

Note:

Note: The estimation distance is 20cm.

Note: PK Output power= conducted power.

Conducted power see the test report UNIA2018080305FR-01, antenna gain=0dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	1	8.69	7.40	0	1	0.001473
	6	8.65	7.33	0	1	0.001459
	11	8.62	7.28	0	1	0.001449
11g	1	7.85	6.10	0	1	0.001214
	6	7.82	6.05	0	1	0.001204
	11	7.84	6.08	0	1	0.001210
11n/HT20	1	7.76	5.97	0	1	0.001188
	6	7.74	5.94	0	1	0.001182
	11	7.75	5.96	0	1	0.001186
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: PK Output power= conducted power.						
Conducted power see the test report UNIA2018080305FR-01, antenna gain=0dBi.						

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