

MPE ESTIMATION

FCC ID: 2AOJ2-WS

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	11.01	11 ± 1(12)	15.85	2	1.5849	0.005000
11g	9.86	9 ± 1(10)	10	2	1.5849	0.003155
11n/HT20	8.87	8 ± 1(9)	7.94	2	1.5849	0.002505
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: PK Output power= conducted power.						
Conducted power see the test report UNIA2018072809FR-01, antenna gain=2dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	1	10.65	11.61	2	1.5849	0.003663
	6	11.01	12.62	2	1.5849	0.003981
	11	10.52	11.27	2	1.5849	0.003555
11g	1	9.86	9.68	2	1.5849	0.003054
	6	9.78	9.51	2	1.5849	0.003000
	11	9.69	9.31	2	1.5849	0.002937
11n/HT20	1	8.87	7.71	2	1.5849	0.002432
	6	8.62	7.28	2	1.5849	0.002297
	11	8.82	7.62	2	1.5849	0.002404
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: PK Output power= conducted power.						
Conducted power see the test report UNIA2018072809FR-01, antenna gain=2dBi.						

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