

MPE ESTIMATION

FCC ID: ZR3LC-WIFI-D4-09

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	12.89	12±1(13)	19.95	1	1.2589	0.004999
11g	10.74	10±1(11)	12.59	1	1.2589	0.003155
11n/HT20	9.37	9±1(10)	10	1	1.2589	0.002506
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: PK Output power= conducted power.						
Conducted power see the test report UNIA2018092724FR-01, antenna gain=1dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	1	12.89	19.45	1	1.2589	0.004873
	6	12.75	18.41	1	1.2589	0.004720
	11	12.85	19.28	1	1.2589	0.004830
11g	1	10.74	11.85	1	1.2589	0.002971
	6	10.16	10.38	1	1.2589	0.002600
	11	10.58	11.42	1	1.2589	0.002864
11n/HT20	1	9.37	8.68	1	1.2589	0.002219
	6	9.27	8.45	1	1.2589	0.002118
	11	9.16	8.24	1	1.2589	0.002065
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: PK Output power= conducted power.						
Conducted power see the test report UNIA2018092724FR-01, antenna gain=1dBi.						

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