

## MPE ESTIMATION

FCC ID: 2AMA8-H8PRO

### 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	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )
11b	13.78	13±1(14)	25.12	1	1.2589	0.006295
11g	13.25	13±1(14)	25.12	1	1.2589	0.006295
11n/HT20	12.45	12±1(13)	19.95	1	1.2589	0.004999
11n/HT40	12.01	12±1(13)	19.95	1	1.2589	0.004999
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: PK Output power= conducted power.						
Conducted power see the test report UNIA2018102315FR-01, antenna gain=1dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )
11b	1	13.62	23.01	1	1.2589	0.005766
	6	13.53	22.54	1	1.2589	0.005648
	11	13.78	23.88	1	1.2589	0.005984
11g	1	13.10	20.42	1	1.2589	0.005116
	6	12.79	19.01	1	1.2589	0.004763
	11	13.25	21.13	1	1.2589	0.005295
11n/HT20	1	12.31	17.02	1	1.2589	0.004265
	6	12.31	17.02	1	1.2589	0.004265
	11	12.45	18.11	1	1.2589	0.004537
11n/HT40	3	11.53	14.22	1	1.2589	0.003563
	6	11.67	14.69	1	1.2589	0.003681
	9	12.01	15.89	1	1.2589	0.003982
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: PK Output power= conducted power.						
Conducted power see the test report UNIA2018102315FR-01, antenna gain=1dBi.						

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