

MPE ESTIMATION  
 FCC ID: AMWACS2SGL

**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

**2, Estimation Result**

**For 2.4G WIFI:**

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	5.51	4.6±1(5.6)	3.63	1	1.2589	0.00091
11g	5.21	4.5±1(5.5)	3.55	1	1.2589	0.00089
11n/HT20	4.89	4±1(5)	3.16	1	1.2589	0.00079
11n/HT40	4.18	3±1(4)	2.51	1	1.2589	0.00063
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HUAK180817898-E, 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	CH1	5.24	3.342	1	1.2589	0.00084
	CH6	5.51	3.56	1	1.2589	0.00089
	CH11	5.43	3.49	1	1.2589	0.00087
11g	CH1	5.15	3.27	1	1.2589	0.00082
	CH6	5.16	3.28	1	1.2589	0.00082
	CH11	5.21	3.32	1	1.2589	0.00083
11n/HT20	CH1	4.89	3.08	1	1.2589	0.00077
	CH6	4.59	2.88	1	1.2589	0.00072
	CH11	4.21	2.64	1	1.2589	0.00066
11n/HT40	CH1	4.18	2.62	1	1.2589	0.00066
	CH4	4.18	2.62	1	1.2589	0.00066
	CH7	3.69	2.34	1	1.2589	0.00059
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HUAK180817898-E, antenna gain=1dBi.						

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