



# MPE ESTIMATION

**Test report**  
**On Behalf of**  
**Hangzhou Sciener Intelligent Control Technology Co., Ltd**  
**For**  
**Gateway**  
**Model No.: G2**  
**FCC ID: 2ATF2-G2**

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**Date of Report:** May 28, 2019

**Report Number:** HK1905201080-3E

**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****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	13.21	13±1(14)	25.12	0	1	0.00499
11g	12.31	12±1(13)	19.95	0	1	0.00396
11n/HT20	11.89	11±1(12)	15.85	0	1	0.00315
$Pd = \frac{Pout * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm						
Note:						
PK Output power= conducted power.						
Conducted power see the test report HK1905201080-1E, antenna gain=0dBi						

when the minimum test separation distance is >20 cm, a distance of 20 cm is applied to determine SAR test exclusion. The test exclusion threshold is 0.00499 mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, SAR testing is not required.

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