



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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Report Number: HK1905201080-3E

**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**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 ²)
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
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm						
Note:						
PK Output power= conducted power.						
Conducted power see the test report 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/cm² which is < 1.0mW/cm², SAR testing is not required.

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