



MPE ESTIMATION

FCC ID: 2BFES-GP1080SP

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

	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm ²)
2.4G WIFI	14.31	14±1(15)	31.623	-0.58	0.87	0.00551
EDR	-1.85	-2±1(-1)	0.794	-0.58	0.87	0.00014

$$Pd = \frac{Pout * G}{4\pi r^2} ;$$

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2401150258-1E/2E**, antenna gain=-0.58dBi

Synchronous launch evaluation: 2.4GWIFI+EDR=0.00551+0.00014=0.00565mW/cm²

When the minimum test separation distance is >20 cm, a distance of 20 cm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.00565mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

-----The End-----