



# MPE ESTIMATION

FCC ID: 2AVGR-DHP511

1, Per FCC Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices, the 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	Frequency (MHz)	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> )
EDR	2402	-5.32	-5±1(-4)	0.40	-7.13	0.1936	0.000015
2.4G WIFI	2412	14.87	14±1(15)	31.62	-7.91	0.1618	0.001018
5.2G WIFI	5210	12.54	12±1(13)	19.95	-0.02	0.9954	0.003950
5.8G WIFI	5745	11.24	11±1(12)	15.85	-1.6	0.6918	0.002181

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2310074547-1E/2E/3E/4E** , antenna gain=-7.13dBi(EDR), -7.91dBi(2.4G WIFI), -0.02dBi(5.2G WIFI), -1.6dBi(5.8G WIFI)

The device could not transmit simultaneously in 2.4G and 5G.

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 0.003950 mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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