

MPE ESTIMATION

FCC ID: 2BG3B-F18

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

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)
BLE	1.04	1±1(2)	1.58	1.39	1.38	0.00043
EDR	3.47	3±1(4)	2.51	1.39	1.38	0.00069
2.4GWIFI	13.91	13±1(14)	25.12	4.2	2.63	0.01315
5.8GWIFI	6.10	6±1(7)	5.01	2.75	1.88	0.00188

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2406052956-1E/2E/3E/4E**, 2.4G antenna gain= 4.2dBi, 5G antenna gain= 2.75dBi, BT antenna gain= 1.39dBi

Synchronous launch evaluation: BT+WIFI=0.00069+0.01315=0.01384mW/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 0.01384 which is < 1.0, RF Exposure testing is not required.

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