

MPE ESTIMATION

FCC ID: 2BLX7-Q40

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

	Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm ²)
2.4GWiFi	2412	14.03	14±1(15)	31.623	1.43	1.39	0.00875
BLE	2402	5.04	5±1(6)	3.981	1.43	1.39	0.00110

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2410216185-1E/2E**, antenna gain=1.43dBi.

Bluetooth and 2.4GWiFi cannot be transmitted at the same time

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 0.00875mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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