

MPE ESTIMATION

FCC ID: VA870079

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

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 ²)
WiFi	2422	25.26	25±1(26)	398.107	3.42	2.198	0.17408
BLE	2480	2.51	2±1(3)	1.995	3.42	2.198	0.00087
EDR	2480	4.48	4±1(5)	3.162	3.42	2.198	0.00138

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK2208123560-1E/2E/3E, antenna gain=3.42dBi

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 0.17408 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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