

MPE ESTIMATION

FCC ID: **2A64G-X1**

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 (linear)	MPE (mW/cm ²)
2.4GWIFI	23.10	23±1(24)	251.19	4.53	2.84	0.14199
BT	2.86	2±1(3)	2	4.53	2.84	0.00113
$Pd = \frac{P_{out} * G}{4\pi r^2};$ Note: Note: The estimation distance is 20cm The device could not transmit simultaneously in WIFI and BT. Note: PK Output power= conducted power. Conducted power see the test report HK2208243762-1E/2E. Gantenna gain=4.53dBi						

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 0.14199mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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