



MPE ESTIMATION

FCC ID: 2A3SO-NSSL111A

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	2462	17.17	16.5±1(17.5)	56.23	1	1.2589	0.01409
BLE	2440	5.76	5±1(6)	3.98	1	1.2589	0.00100

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2201190270-1E/2E**, 2.4G WIFI antenna gain=1dBi, BT antenna gain=1dBi

The device could not transmit simultaneously in BLE and 2.4GWIFI.

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 0.01409 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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