

MPE ESTIMATION

FCC ID: 2A3SO-NSSFE22A

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

For 2.4G/BT:

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
BLE	3.78	3±1(4)	2.51	2	1.58	0.00079
2.4G WIFI	16.44	16±1(17)	50.12	2	1.58	0.01581

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2207072928-1E/2E.

antenna gain=2dBi

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 0.01581mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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