



MPE ESTIMATION

FCC ID: 2BBBN-W18

1, Per FCC Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices, the 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)
BLE	2480	0.23	0±1(1)	1.26	3.54	2.259	0.00057

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK2304231582-E, antenna gain=3.54dBi

The certified sample is portable device, 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 0.00057 mW/cm² which is < 1.0mW/cm², RF

Exposure testing is not required.

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