

MPE ESTIMATION

FCC ID: 2BKRV-BIONICXTREME

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

NFC: 13.56MHz

Max PK Output power(dBm)=96.51(dBuV/m)-95.2= 1.31(dBm)

2, Estimation Result

	Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm ²)
EDR	2480	8.97	8±1(9)	7.943	0.49	1.12	0.00177
2.4G WiFi	2462	12.85	12±1(13)	19.953	0.49	1.12	0.00445
NFC	13.56	1.31	1±1(2)	1.585	3	2.00	0.00063

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2406283495-1E/2E/3E**, BT&WiFi antenna gain= 0.49dBi, NFC antenna gain= 3dBi.

Bluetooth, WiFi and NFC cannot be transmitted at the same time

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 0.00445mW/cm² which is< 1.0mW/cm², RF Exposure testing is not required.

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