## MPE ESTIMATION FCC ID: 2BNGN-GRIP-EXPRESS

## 1, Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)		
300MHz1.5GHz	F/1500	30		
1.5GHz100GHz	1.0	30		

## 2, Estimation Result

	Mode	Max PK Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power (mW)	Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm²)
BLE	2402	3.94	4±1(5)	3.16	-0.1	0.98	0.00062
2.4G WIFI	2462	14.89	15±1(16)	39.81	0.71	1.18	0.00933

$$Pd = \frac{Pout * G}{4\pi r^2}$$

Note:

Note: The estimation distance is 20cm

Note: PK Output power = conducted power.

Conducted power see the test report HK2411116637-1E/2E,

BT antenna gain = -0.1dBi, WIFI antenna gain = 0.71dBi;

Synchronous launch evaluation: BT+WIFI=0.00062+0.00933=0.00995mW/cm<sup>2</sup>

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

0.00995 which is< 1.0, RF Exposure testing is not required.

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