



MPE ESTIMATION

FCC ID: 2BD3W-EXFQS12B44G

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

	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm ²)
2.4G WIFI	14.70	14±1(15)	31.623	2.91	1.95	0.01230
BLE	-3.19	-4±1(-3)	0.501	1.7	1.48	0.00015

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2309014055-1E/2E**, WIFI antenna gain= 2.91dBi, BT antenna gain= 1.7dBi

Synchronous launch evaluation: 2.4GWIFI+BLE=0.01230+0.00015=0.01245mW/cm²

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 0.01245mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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