

## MPE ESTIMATION

FCC ID: 2AXMF-CTR69Q

### 1, Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	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/cm <sup>2</sup> )
BT	-1.14	-2±1(-1)	0.79	3.18	2.08	0.00033
2.4G WIFI	21.53	21±1(22)	158.49	3.16	2.07	0.06530

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.  
Conducted power see the test report HK2302240508-1E/2E.  
BT antenna gain=3.18dBi  
2.4G WIFI antenna gain=3.16dBi

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 0.06530mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

Note: the device could not transmit simultaneously in BT and 2.4G

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