



MPE ESTIMATION

FCC ID: 2A5YK-EZONE-CTDA09

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

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm ²)
2.4GWIFI	18.58	18±1(19)	79.43	1	1.26	0.0199
EDR	10.28	10±1(11)	12.59	0	1	0.00251

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2203030880-1E/2E**,

WiFi antenna gain=1dBi

BT antenna gain=0dBi

WiFi and BT Simultaneous evaluation

$$0.0199+0.00251=0.02241<1$$

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 0.02241mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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