

# MPE ESTIMATION

## FCC ID: 2A4G9-UAM053

### 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

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 (linear)	MPE (mW/cm <sup>2</sup> )
2.4G WIFI	2437	13.46	13±1(14)	25.12	-1.2	0.76	0.00379
BT	2402	1.62	1±1(2)	1.58	-1.2	0.76	0.00024

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power = conducted power in mW.

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna in cm

Conducted power see the test report HK2507083706-1E/2E, antenna gain = -1.2dBi;

WIFI and Bluetooth 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 0.00379mW/cm<sup>2</sup> which is< 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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