

MPE ESTIMATION

FCC ID: VA8-WSC43BA

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

2, Estimation Result

For BT/2.4G WIFI:

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
2.4G WIFI	19.63	18.8±1(19.8)	95.50	3.4	2.19	0.04159
EDR	10.2	10±1(11)	12.59	3.4	2.19	0.00548
BLE	9.98	9±1(10)	10	3.4	2.19	0.00435

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report **HK2205242167-1E/2E/3E**, antenna gain=3.4dBi.

WiFi and BT Simultaneous evaluation:

0.04159 mW/cm²+0.00548 mW/cm²=0.04707 mW/cm²<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 0.04707 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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