

MPE ESTIMATION

FCC ID: 2AZL7-ZY-BB1

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

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)
2.4GWIFI-2437MHz	14.16	13.5±1(14.5)	28.18	2.88	1.94	0.01088
BLE-2480MHz	3.29	2.5±1(3.5)	2.24	2.88	1.94	0.00086
SRD-925MHz	26.12	25.5±1(26.5)	446.68	4.02	2.52	0.22405

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report DL-240606008-1ER/2ER/3ER;

The device could not transmit simultaneously in BT and 2.4GWIFI

925MHz and WIFI Simultaneous evaluation:
 $0.22405/0.62+0.01088=0.37225<1$

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 0.37225, which is < 1.0, RF Exposure testing is not required.

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