



MPE ESTIMATION

FCC ID: 2A15T-FLL-018-W5

1, According to §1.1310, 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

	Frequency (MHz)	Max PK Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm ²)	Limit (mW/cm ²)	Ratios
BLE	2480	6.66	6±1(7)	5.012	2.21	1.663	0.00166	1.0	0.00166
2.4GWiFi	2412	14.81	14±1(15)	31.623	2.21	1.663	0.01047	1.0	0.01047

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

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 **DLE-260812001R/ DLE-260812002R**, antenna gain=2.21dBi.

Bluetooth, 2.4GWiFi 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 0.01047 which is < 1.0; RF Exposure testing is not required.

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