# MPE ESTIMATION

**FCC ID: 2AIDL-BT295S**

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

| | Max PK Output power(dBm) | Tune Up Power(dBm) | Max Tune Up power(mW) | Antenna Gain(dBi) | Antenna Gain (numerical) | MPE (mW/cm²) |
|---|---|---|---|---|---|---|
| EDR | -1.66 | -2±1(-1) | 0.794 | -0.58 | 0.87 | 0.00014 |

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2310094635-E**, antenna gain= -0.58dBi

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 0.00014mW/cm² which is< 1.0mW/cm², RF Exposure testing is not required.

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