MPE ESTIMATION

FCC ID: 2A6CS-ED513

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

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm²)
Zigbee	-2.83	-2±1(-1)	0.79	2.02	1.59	0.00025

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

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2203281270-E**, antenna gain=2.02dBi

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 0.00025 mW/cm² which is< 1.0mW/cm², RF Exposure testing is not required.

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