

MPE ESTIMATION

FCC ID: 2A359-CT220D

1, Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm ²)	Averaging time(minutes)		
300MHz1.5GHz	F/1500	30		
1.5GHz100GHz	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)	
BLE	-6.69	-7±1(-6)	0.25	0	1	0.00005	
$Pd = \frac{Pout * G}{4\pi r^2}$: Note:							
Note: The estimation distance is 20cm							
Note:							
PK Output power= conducted power.							
Conducted power see the test report HK2201050051-E , antenna gain=0dBi							

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 0.00005 mW/cm^2 which is< 1.0mW/cm^2 , RF Exposure testing is not required.

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