MPE ESTIMATION

FCC ID: 2ALMJ-ENA5462W

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

For 2.4GTX:

EIRP(dBm)=98.87(dBuV/m)-95.2=3.67(dBm)

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (Numerical)	MPE (mW/cm²)
2480	3.67	3±1(4)	2.51	2.96	1.98	0.00099

Note:

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

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 HK24055202538-E, antenna gain=2.96dBi;

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 0.00099 (mW/cm²) which is< 1.0(mW/cm²), RF Exposure testing is not required.

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