

MPE ESTIMATION

FCC ID: 2BAAR-GC05

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

2, Estimation Result

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
BT	1.91	1±1(2)	1.58	-0.58	0.87	0.00027
2.4G WIFI	14.10	13.5±1(14.5)	28.18	4.72	2.96	0.01661
5.2G WIFI	10.91	10±1(11)	12.59	3.72	2.36	0.00591
5.8G WIFI	10.54	10±1(11)	12.59	3.72	2.36	0.00591
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$ Note: Note: The estimation distance is 20cm Note: PK Output power= conducted power. Conducted power see the test report HK2308223830-1E/2E/3E/4E.						

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 0.01661mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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