

MPE ESTIMATION

FCC ID: 2A5WF-ZE-CPE520

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

For 5G:

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)
5.8G WIFI ANT.1	17.61	17±1(18)	63.1	1	1.26	0.01581
5.8G WIFI ANT.2	16.44	16±1(17)	50.12	1	1.26	0.01256
MIMO						0.02837
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report HK2202230638-E						
5G antenna gain=1dBi						

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 0.02837mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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