

MPE ESTIMATION

FCC ID: **2A5WF-ZE-CPE1000**

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	13.02	13±1(14)	25.119	4.5	2.82	0.01409
5.8G WIFI ANT.2	13.13	13±1(14)	25.119	4.5	2.82	0.01409
MIMO						0.02818
$Pd = \frac{P_{out} * G}{4\pi r^2};$ Note: Note: The estimation distance is 20cm Note: PK Output power= conducted power. Conducted power see the test report HK2304241595-E 5G antenna gain=4.5dBi						

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 0.02818mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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