

MPE ESTIMATION

FCC ID: **2A5WF-ZE-CPE820**

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	12.08	12±1(13)	19.95	6	3.98	0.01581
5.8G WIFI ANT.2	11.99	11±1(12)	15.85	6	3.98	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 HK2211105040-E 5G antenna gain=6dBi						

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.

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