

MPE ESTIMATION

FCC ID: 2A8LK-CPE-S900

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	11.03	11±1(12)	15.85	4.5	2.82	0.00889
5.8G WIFI ANT.2	10.87	10±1(11)	12.59	4.5	2.85	0.00706
MIMO						0.01595
$Pd = \frac{Pout * G}{4\pi r^2} ;$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report HK2208153590-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 0.01595mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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