

MPE ESTIMATION

FCC ID: **2BDGS-LITE2RX**

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 WIFI:

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)
5.2G WIFI Ant1	8.02	7.5±1(8.5)	7.08	1.2	1.32	0.00186
5.2G WIFI Ant2	7.99	7±1(8)	6.31	1	1.26	0.00158
MIMO	/	/	/	/	/	0.00344
5.8G WIFI Ant1	9.01	8.5±1(9.5)	8.91	1.2	1.32	0.00234
5.8G WIFI Ant2	8.97	8±1(9)	7.94	1	1.26	0.00199
MIMO	/	/	/	/	/	0.00433
$Pd = \frac{P_{out} * G}{4\pi r^2} :$ Note: Note: The estimation distance is 20cm Note: PK Output power= conducted power. Conducted power see the test report HK2310265038-1E/2E						

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 0.00433 which is < 1.0, RF Exposure testing is not required.

Note: the device could not transmit simultaneously in 5.2G and 5.8G.

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