



MPE ESTIMATION

FCC ID: 2AOQ6LV-AC24

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

Note: F= Frequency in MHz

2, Estimation Result

WIFI

Mode	Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
2.4G WiFi Ant. 1	2437	12.94	12±1(13)	19.95	0	1.0000	0.00397
2.4G WiFi Ant. 2	2412	12.62	13±1(14)	25.12	0	1.0000	0.00500
MIMO	/	/	/	/	/	/	0.00897
5.2G WiFi Ant. 1	5240	11.97	12±1(13)	19.95	0	1.0000	0.00397
5.2G WiFi Ant. 2	5200	11.74	11±1(12)	15.85	0	1.0000	0.00315
MIMO	/	/	/	/	/	/	0.00712
5.8G WiFi Ant. 1	5745	11.90	12±1(13)	19.95	0	1.0000	0.00397
5.8G WiFi Ant. 2	5745	11.66	11±1(12)	15.85	0	1.0000	0.00315
MIMO	/	/	/	/	/	/	0.00712

$$Pd = \frac{P_{out} * G}{4\pi r^2};$$

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK2011033314-1E/2E/3E, antenna gain=0dBi



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 0.00897 mW/cm^2 which is $< 1.0 \text{ mW/cm}^2$, RF Exposure testing is not required.

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