

MPE ESTIMATION

FCC ID: 2BLLY-ARGUSFPV

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

	Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm ²)
2.4G WiFi	2437	13.19	13±1(14)	25.119	1.88	1.54	0.00771
5.2G WiFi ANT1	5240	8.38	8±1(9)	7.943	3.70	2.34	0.00371
5.8G WiFi ANT2	5745	8.30	8±1(9)	7.943	3.22	2.10	0.00332

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2409135348-1E/2E/3E**, 2.4G WIFI antenna gain= 1.88dBi, 5.2G WiFi antenna gain= 3.70dBi, 5.8G WiFi antenna gain= 3.22dBi.

Synchronous launch evaluation:

$$2.4GWiFi + 5GWiFi = 0.00771 + 0.00371 = 0.01142mW/cm^2$$

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 0.01142mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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