



MPE ESTIMATION

FCC ID: 2AYVA-IC450

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)
2.4GWIFI ANT.1	2412	16.88	16±1(17)	50.12	0	1.0000	0.00997
2.4GWIFI ANT.2	2412	16.87	17±1(18)	63.10	0	1.0000	0.01255
MIMO	/	/	/	/	/	/	0.02252
5.2GWIFI ANT.1	5200	15.32	15±1(16)	39.81	0	1.0000	0.00792
5.2GWIFI ANT.2	5230	14.61	14±1(15)	31.62	0	1.0000	0.00629
MIMO	/	/	/	/	/	/	0.01421
5.8GWIFI ANT.1	5795	11.34	11±1(23)	12.59	0	1.0000	0.00250
5.8GWIFI ANT.2	5795	11.43	12±1(23)	15.85	0	1.0000	0.00315
MIMO	/	/	/	/	/	/	0.00565

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK2101270299-1E/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 0.02252 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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