MPE ESTIMATION

FCC ID: 2APAS-501

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

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	12.58	12±1(13)	19.95	1	1.2589	0.00500
11g	12.17	12±1(13)	19.95	1	1.2589	0.00500
11n/HT20	11.44	12±1(13)	19.95	1	1.2589	0.00500
11n/HT40	12.32	12±1(13)	19.95	1	1.2589	0.00500

Note: $Pd = \dfrac{Pout * G}{4\pi r^2}$:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.
Conducted power see the test report UNIA2018030101-E, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	CH1	12.58	18.11	1	1.2589	0.00454
	CH6	12.42	17.46	1	1.2589	0.00437
	CH11	12.15	16.41	1	1.2589	0.00411
11g	CH1	12.17	16.48	1	1.2589	0.00413
	CH6	11.78	15.07	1	1.2589	0.00378
	CH11	11.63	14.55	1	1.2589	0.00365
11n/HT20	CH1	11.44	13.93	1	1.2589	0.00349
	CH6	11.29	13.46	1	1.2589	0.00337
	CH11	11.05	12.74	1	1.2589	0.00319
11n/HT40	CH3	12.32	17.06	1	1.2589	0.00428
	CH6	12.14	16.37	1	1.2589	0.00410
	CH9	11.88	15.42	1	1.2589	0.00386

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report UNIA2018030101-E, antenna gain=1dBi.

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