MPE ESTIMATION

FCC ID: 2AJVP-OBOOCLOCK

1. Limit for General Population/Uncontrolled Exposures

Frequency	Power density(mW/cm2)	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	9.46	9±1(10)	10	0	1	0.001990
11g	8.77	8±1(9)	7.94	0	1	0.001580
11n/HT20	7.96	7±1(8)	6.31	0	1	0.001256
11n/HT40	7.07	7±1(8)	6.31	0	1	0.001256

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

Note: The estimation distance is 20cm.

Note: PK Output power= conducted power.

Conducted power see the test report UNIA2018070909-2FR-01, antenna gain=0dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm^2)
11b	1	9.31	8.53	0	1	0.001698
	6	9.46	8.83	0	1	0.001758
	11	9.22	8.36	0	1	0.001664
11g	1	8.68	7.38	0	1	0.001469
	6	8.77	7.53	0	1	0.001499
	11	8.72	7.45	0	1	0.001483
11n/HT20	1	7.96	6.25	0	1	0.001244
	6	7.87	6.12	0	1	0.001218
	11	7.95	6.24	0	1	0.001242
11n/HT40	3	7.07	5.09	0	1	0.001013
	6	6.95	4.95	0	1	0.000985
	9	6.88	4.88	0	1	0.000971

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

Note:

Note: The estimation distance is 20cm.

Note: PK Output power= conducted power.

Conducted power see the test report UNIA2018070909-2FR-01, antenna gain=0dBi.

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