MPE ESTIMATION

FCC ID: 2ANTC-C101W4

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/cm^2)
11b	9.33	9±1(10)	10	1	1.2589	0.002506
11g	8.77	8±1(9)	7.94	1	1.2589	0.001990
11n/HT20	7.69	7±1(8)	6.31	1	1.2589	0.001581
11n/HT40	7.02	6±1(7)	5.01	1	1.2589	0.001255

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 UNIA2018052802-1FR-01, antenna gain=1dBi.

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm^2)
11b	1	9.26	8.43	1	1.2589	0.002112
	6	9.33	8.57	1	1.2589	0.002147
	11	9.12	8.17	1	1.2589	0.002047
11g	1	8.52	7.11	1	1.2589	0.001782
	6	8.77	7.53	1	1.2589	0.001887
	11	8.60	7.24	1	1.2589	0.001814
11n/HT20	1	7.69	5.87	1	1.2589	0.001471
	6	7.41	5.51	1	1.2589	0.001381
	11	7.58	5.73	1	1.2589	0.001436
11n/HT40	3	6.82	4.81	1	1.2589	0.001205
	6	7.02	5.04	1	1.2589	0.001263
	9	6.77	4.75	1	1.2589	0.001190

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 UNIA2018052802-1FR-01, antenna gain=1dBi.

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