MPE ESTIMATION

FCC ID: 2ANTC-C199W4

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	9.86	9±1(10)	10	1	1.26	0.002508
11g	9.76	9±1(10)	10	1	1.26	0.002508
11n/HT20	9.78	9±1(10)	10	1	1.26	0.002508

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 UNIA2018080306FR-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	9.86	9.04	0	1	0.001799
	6	9.82	9.59	0	1	0.001909
	11	9.78	9.51	0	1	0.001893
11g	1	9.75	9.44	0	1	0.001879
	6	9.76	9.46	0	1	0.001883
	11	9.66	9.25	0	1	0.001841
11n/HT20	1	9.78	9.51	0	1	0.001893
	6	9.74	9.42	0	1	0.001875
	11	9.72	9.38	0	1	0.001867

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 UNIA2018080306FR-01, antenna gain=1dBi.

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