MPE ESTIMATION

FCC ID: 2ANTC-C611W4

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	13.9	13±1(14)	25.12	2.40	1.74	0.008689
11g	21.5	21±1(22)	158.49	2.40	1.74	0.054821
11n/HT20	20.16	20±1(21)	125.89	2.40	1.74	0.043546
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 UNIA2018082112FR-01, antenna gain=2.4dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
11b	1	13.90	24.55	2.40	1.74	0.008491
	6	13.36	21.68	2.40	1.74	0.007498
	11	13.47	22.23	2.40	1.74	0.007690
11g	1	20.12	102.80	2.40	1.74	0.035559
	6	21.19	131.52	2.40	1.74	0.045494
	11	21.50	141.25	2.40	1.74	0.048860
11n/HT20	1	19.61	91.41	2.40	1.74	0.031619
	6	20.16	103.75	2.40	1.74	0.035888
	11	20.04	100.93	2.40	1.74	0.034910

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 UNIA2018082112FR-01, antenna gain=2.4dBi.

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