FCC ID: CCEW8188R511K

MPE Calculation : WLAN

RF function or Mode	Transmitting Frequency (MHz)	Max Target Power (dBm)[Note1]	ANT Gain (dBi)	Maximum EIRP (dBm)	Maximum EIRP (mW)	Maximum power density (mW/cm^2)	Requriment (mW/cm^2)
802.11b	2462.00	14.50	2.76	17.26	53.211	0.0106	1.000
802.11g	2462.00	12.00	2.76	14.76	29.923	0.0060	1.000
802.11n(HT20)	2462.00	11.00	2.76	13.76	23.769	0.0050	1.000
802.11n(HT40)	2437.00	9.00	2.76	11.76	14.997	0.0030	1.000

Note 1: Please refer to the operation description.

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the user.

The MPE sample calculation for this exposure is shown below.

▪ **S** = EIRP / (4 R^2 π)

= 53.211 / (4 X 20^2 X π)

= 0.0106 mW/cm^2

- Note

S= Maximum power density(mW/cm^2)

EIRP= Equivalent Isotropic Radiated Power(mW)

R= Distance to the center of the radiation of the antenn

▪ **Limits for Maximum Permissible Exposure (MPE)**

Frequency range (MHz)			Electric Field strength (V/m)	Magnetic field strength (A/m)	Power Density (mW/cm^2)	Averageing time (minutes)
0.3	~	1.34	614	1.63	*100	30
1.34	~	30	824/f	2.19 / f	*180 / f^2	30
30	~	300	27.5	0.073	0.2	30
300	~	1,500			f / 1500	30
1,500	~	100,000			1.0	30

Conclusion : The exposure condition of this device is compliant with FCC