MPE Calculations(WLAN: 802.11b)

- Frequency range :	2412	MHz	~ 2	2462	MHz					
- Measured RF output p	ower 1	L7.96 c	dBm							
- Target Power & Tolera	ance : 1	L7.50 c	dBm :	± 1.5	dB (Max.	19	dBm	& Min.	16	dBm)
- Maximum antenna pe	ak gain :	0.86	dBi							

- Maximum output power for the calculatio 19.00 dBm

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the The MPE calculation for this exposure is shown below.

• EIRP	=	P +	G				- Note
	=	19.00	dBm	+	0.86	dBi	P = Power input to the antenna(dBm)
	=	19.86	dBm	=	96.82	8 mW	G = Power gain of the antenna(dBi)

- Power density at the specific separation

• S = EIRP / (4 $R^2 \pi$)	- Note
= 96.828 / ($4 \times 20^2 \times \pi$)	S = Maximum power dencity(mW/cm ²)
= 0.019264 mW/cm ²	EIRP = Equivalent Isotropic Radiated Power(mW)
	R = Distance to the center of the radiation of the antenna(20cm)

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

MPE Calculations(WLAN: 802.11g)

- Frequency range :	2412	MHz	~	24	62	MHz						
- Measured RF output	ut power	24.72	dBm									
- Target Power & To	Target Power & Tolerance : 23.00					dB (Max.	25	dBm	&	Min.	21	dBm)
- Maximum antenna	peak gain	n : 0.86	i dl	Bi								

- Maximum output power for the calculatio 25.00 dBm

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the The MPE calculation for this exposure is shown below.

• EIRP	=	P +	G				- Note
	=	25.00	dBm	+	0.86	dBi	P = Power input to the antenna(dBm)
	=	25.86	dBm	=	385.47	79 mW	G = Power gain of the antenna(dBi)

- Power density at the specific separation

• S = EIRP / (4 $R^2 \pi$)	- Note
= 385.479 / ($4 \times 20^2 \times \pi$)	S = Maximum power dencity(mW/cm2)
= 0.076689 mW/cm ²	EIRP = Equivalent Isotropic Radiated Power(mW)
	R = Distance to the center of the radiation of the antenna(20cm)

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

MPE Calculations(WLAN: 802.11n HT20)

- Frequency range : 2412 MHz ~ 2462 MHz
- Measured RF output power 24.30 dBm
- Target Power & Tolerance : 22.00 dBm ± 2.5 dB (Max. 24.5 dBm & Min. 19.5 dBm)
- Maximum antenna peak gain : 0.86 dBi
- Maximum output power for the calculatio 24.50 dBm

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the The MPE calculation for this exposure is shown below.

• EIRP	=	P +	G				- Note
	=	24.50	dBm +	0.	86	dBi	P = Power input to the antenna(dBm)
	=	25.36	dBm =	34	43.55	58 mW	G = Power gain of the antenna(dBi)

- Power density at the specific separation

• S = EIRP / (4 $R^2 \pi$)	- Note
= 343.558 / ($4 \times 20^2 \times \pi$)	S = Maximum power dencity(mW/cm ²)
= 0.068349 mW/cm ²	EIRP = Equivalent Isotropic Radiated Power(mW)
	R = Distance to the center of the radiation of the antenna(20cm)

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

MPE Calculations(WLAN: 802.11n HT40)

- Frequency range :	2422	MHz	~	24	52	MHz					
- Measured RF output	ut power	19.06	dBm								
- Target Power & To	lerance :	18.00	dBm	±	1.5	dB (Max.	19.5	dBm	& Min.	16.5	dBm)
- Maximum antenna	peak gain	: 0.86	d	Bi							

- Maximum output power for the calculatio 19.50 dBm

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the The MPE calculation for this exposure is shown below.

• EIRP	=	P +	G				- Note
	=	19.50	dBm	+	0.86	dBi	P = Power input to the antenna(dBm)
	=	20.36	dBm	=	108.64	43 mW	G = Power gain of the antenna(dBi)

- Power density at the specific separation

• S = EIRP / (4 $R^2 \pi$)	- Note
= 108.643 / ($4 \times 20^2 \times \pi$)	S = Maximum power dencity(mW/cm2)
= 0.021614 mW/cm ²	EIRP = Equivalent Isotropic Radiated Power(mW)
	R = Distance to the center of the radiation of the antenna(20cm)

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