MPE Calculations : (WLAN: 802.11b)

- Frequency range : 2412 MHz ~ 2462 MHz
- Measured RF output power 15.184 dBm
- Target Power & Tolerance : 15.00 dBm ± 1 dB (Max. 16 dBm & Min. 14 dBm)
- Maximum antenna peak gain : 3.30 dBi
- Maximum output power for the calculation : 16.00 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
	=	16.00	dBm	+	3.30	dBi	P = Power input to the antenna(dBm)
	=	19.30	dBm	=	85.11	4 mW	G = Power gain of the antenna(dBi)

- Power density at the specific separation

• S = EIRP / (4 $R^2 \pi$)	- Note
= 85.114 / ($4 \times 20^2 \times \pi$)	S = Maximum power dencity(mW/cm2)
= 0.016933 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.

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MPE Calculations : (WLAN: 802.11g)

-	Frequency range :	2412	MHz	~	24	62	MHz						
-	Measured RF output	ut power :	21.143	dBm									
-	Target Power & To	21.00	dBm	±	1	dB (Max.	22	dBm	&	Min.	20	dBm	
-	Maximum antenna	peak gair	n : 3.30) d	Bi								

- Maximum output power for the calculation : 22.00 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
	=	22.00	dBm	+	3.30	dBi	P = Power input to the antenna(dBm)
	=	25.30	dBm	=	338.84	45 mW	G = Power gain of the antenna(dBi)

- Power density at the specific separation

• S = EIRP / (4 $R^2 \pi$)	- Note
= 338.845 / ($4 \times 20^2 \times \pi$)	S = Maximum power dencity(mW/cm2)
= 0.067412 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
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- Measured RF output power 22.744 dBm
- Target Power & Tolerance : 23.00 dBm ± 1 dB (Max. 24 dBm & Min. 22 dBm)
- Maximum antenna peak gain : 3.30 dBi
- Maximum output power for the calculation : 24.00 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
	=	24.00	dBm	+	3.30	dBi	P = Power input to the antenna(dBm)
	=	27.30	dBm	=	537.03	32 mW	G = Power gain of the antenna(dBi)

- Power density at the specific separation

• S = EIRP / (4 $R^2 \pi$)	- Note
= 537.032 / ($4 \times 20^2 \times \pi$)	S = Maximum power dencity(mW/cm2)
= 0.106840 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 outp	ut power	20.684	dBr	m								
- Target Power & To	lerance :	21.00	dBr	m ±	1	dB (Max.	22	dBm	&	Min.	20	dBm)
- Maximum antenna	peak gain	: 3.30	1	dBi								

- Maximum output power for the calculation : 22.00 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
	=	22.00	dBm	+	3.30	dBi	P = Power input to the antenna(dBm)
	=	25.30	dBm	=	338.84	45 mW	G = Power gain of the antenna(dBi)

- Power density at the specific separation

• S = EIRP / (4 $R^2 \pi$)	- Note
= 338.845 / ($4 \times 20^2 \times \pi$)	S = Maximum power dencity(mW/cm ²)
= 0.067412 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.