MPE Calculations :   (Bluetooth)

- Frequency range :   2402   MHz   ~   2480   MHz
- Measured RF output power :   2.62   dBm
- Target Power & Tolerance :   1.50   dBm   ±   1.5   dB   (Max.   3   dBm   &   Min.   0   dBm)
- Maximum antenna peak gain :   3.50   dBi

- **Maximum output power for the calculation**   **3.00**   **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.

							- **Note**
▪ **EIRP**	=	P	+	G			
	=	3.00	dBm +	3.50	dBi		P = Power input to the antenna(dBm)
	=	**6.50**	**dBm**	=	**4.467**	**mW**	G = Power gain of the antenna(dBi)

- **Power density at the specific separation**

			- **Note**
▪ **S**	= EIRP / (4 $R^2 \pi$)		
	=	**4.467** / (4 X 20^2 X π)	S = Maximum power dencity(mW/cm^2)
	=	**0.000889** 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.

The maximum permissible exposure(MPE) of the general population/Uncontrolled for this device is 1.0 mW/cm^2.