FCC ID: BEJLC10S-R

MPE Calculation : Bluetooth, WLAN

RF function(Mode)	Frequency range (MHz)			Max Target Power (dBm)	ANT Gain (dBi)	Maximum EIRP (dBm)	Maximum EIRP (mW)	Maximum power density (mW/cm^2)	Requriment (mW/cm^2)
BT(1Mbps)	2402.00	~	2480.00	2.00	2.90	4.90	3.09030	0.00062	1.000
BT(2, 3Mbps)	2402.00	~	2480.00	1.00	2.90	3.90	2.45471	0.00049	1.000
WLAN(802.11b)	2412.00	~	2462.00	18.00	2.90	20.90	123.027	0.025	1.000
WLAN(802.11g)	2412.00	~	2462.00	15.00	2.90	17.90	61.660	0.013	1.000
WLAN(802.11n)	2412.00	~	2462.00	14.00	2.90	16.90	48.978	0.010	1.000
WLAN(802.11a)	5745.00	~	5825.00	16.00	2.90	18.90	77.625	0.016	1.000
WLAN(802.11n)	5745.00	~	5825.00	16.00	2.90	18.90	77.625	0.016	1.000
		~							

Note: This device does not transmit simultaneoulsy.

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)

= 3.0903 / (4 X 20^2 X π)

= 0.00062 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 antenna(20cm)

▪ 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.