

**FCC §15.247 (i) & §1.1307 (b) (3) & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)****Applicable Standard**

According to subpart 15.247 (i) and subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 Interim General RF Exposure Guidance

MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(1)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$ .
1.34-30	$3,450 R^2/f^2$ .
30-300	$3.83 R^2$ .
300-1,500	$0.0128 R^2f$ .
1,500-100,000	$19.2R^2$ .

R is the minimum separation distance in meters

f = frequency in MHz

**Result**

<b>Mode</b>	<b>Frequency (MHz)</b>	<b>Tune up conducted power</b>	<b>Antenna Gain</b>		<b>ERP</b>		<b>Evaluation Distance (m)</b>	<b>ERP Limit (W)</b>
		(dBm)	(dBi)	(dBd)	(dBm)	(W)		
BT	2402-2480	9.0	3.42	1.27	10.27	0.011	0.2	0.768
BLE	2402-2480	6.0	3.42	1.27	7.27	0.005	0.2	0.768
2.4G Wi-Fi	2412-2462	16.0	3.42	1.27	17.27	0.053	0.2	0.768

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.  
2. The BT cannot transmit at the same time with the Wi-Fi  
3. 0dBd=2.15dBi

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

**Result: Compliant.**