FCC§1.1307 (B) (3) & §2.1091- MPE-BASED EXEMPTION

Applicable Standard

According to subpart 1.1307 (b) (3) 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.

Report No.: RA230419-20411E-RF-00C

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 ² f.				
1,500-100,000	19.2R ² .				

Ris the minimum separation distance in meters f = frequency in MHz

Result

Mode	Frequency (MHz)	Tune up conducted power	Antenna Gain		ERP		Evaluation Distance	ERP Limit
		(dBm)	(dBi)	(dBd)	(dBm)	(W)	(m)	(W)
Bluetooth	2402-2480	4.0	1.96	-0.19	3.81	0.002	0.2	0.768
BLE	2402-2480	2.0	1.96	-0.19	1.81	0.002	0.2	0.768
2.4G Wi-Fi	2412-2462	21.0	1.96	-0.19	20.81	0.121	0.2	0.768
5G Wi-Fi	5150-5250	16.0	5.66	3.51	19.51	0.089	0.2	0.768
	5250-5350	15.0	5.66	3.51	18.51	0.071	0.2	0.768
	5470-5725	15.0	5.66	3.51	18.51	0.071	0.2	0.768
	5725-5850	16.0	5.66	3.51	19.51	0.089	0.2	0.768

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.

- 2. The Bluetooth/BLE/Wi-Fi can't Simultaneous transmitting
- 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.