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.

Report No.: SZ1240221-08650E-RF-00

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)(3)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(0) - Single RF Sources Subject to	Routine Environmental Evaluation
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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# (dBm)	Antenna Gain#		ERP		Evaluation	EDD I ::4	
		power#	(dBi)	(dBd)	(dBm)	(W)	Distance (m)	ERP Limit (W)
BLE	2402-2480	6.00	4.33	2.18	8.18	0.007	0.2	0.768
WIFI	2412-2462	20.00	4.33	2.18	22.18	0.165	0.2	0.768

Note: The tune up conducted power and antenna gain was declared by the applicant. The BLE and 2.4G Wi-Fi can't transmit simultaneously

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

Result: Compliant.

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