

FCC §15.247(i)&§1.1307 (b) (3) & §2.1091- RF Exposure

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 exemptionfrom 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 . |

R is the minimum separation distance in meters

f = frequency in MHz

Result

| Mode | Frequency (MHz) | Tune up conducted power (dBm) | Antenna Gain (dBi) (dBd) | | ERP (dBm) (W) | | Evaluation Distance (m) | ERP Limit (W) |
|------|-----------------|-------------------------------|--------------------------|-------|---------------|-------|-------------------------|---------------|
| | | | (dBm) | (dBi) | (dBd) | (dBm) | | |
| BLE | 2402-2480 | 10.0 | -3.3 | -5.45 | | 4.55 | 0.003 | 0.2 |

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.
 2. 0dBd=2.15dBi

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

Result: Compliant.