FCC §15.407 (f) & §1.1307 (b) (3) & §2.1091- RF Exposure

Applicable Standard

According to subpart 15.407 (f) 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.: SZNS221014-47078E-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)(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

| Frequency (MHz) | Tune up conducted power | Antenna Gain | | ERP | | Evaluation Distance | ERP Limit |
|--------------------|-------------------------------|--------------|-------|-------|-------|------------------------|-----------|
| | (dBm) | (dBi) | (dBd) | (dBm) | (W) | (m) | |
| 2412-2462 | 19.0 | 3.12 | 0.97 | 19.97 | 0.093 | 0.2 | 0.768 |
| 5150-5250 | 14.0 | 3.75 | 1.60 | 15.60 | 0.036 | 0.2 | 0.768 |
| 5725-5850 | 14.0 | 4.29 | 2.14 | 16.24 | 0.042 | 0.2 | 0.768 |

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

- 2. The 2.4GHz wifi and 5GHz wifi cannot transmit at same time.
- 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.

Version 10: 2021-11-09 Page 12 of 54 FCC-5G Wi-Fi