## FCC§15.247 (i), §1.1307 (b) (1) &§2.1093 - RF EXPOSURE

## **Applicable Standard**

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

Report No.: 2401T74718E-RFA

According to KDB 447498 D01 General RF Exposure Guidance

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\cdot$  [ $\sqrt{f(GHz)}$ ]  $\leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where

- 1. f(GHz) is the RF channel transmit frequency in GHz.
- 2. Power and distance are rounded to the nearest mW and mm before calculation.
- 3. The result is rounded to one decimal place for comparison.
- 4. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test Exclusion.

## **Measurement Result**

## For worst case:

Mode	Frequency (MHz)	Max tune-up conducted power <sup>#</sup> (dBm)	Max tune-up conducted power" (mW)	Distance (mm)	Calculated value	Threshold (1-g SAR)	SAR Test Exclusion
Bluetooth	2402-2480	1.50	1.41	5	0.44	3	Yes
BLE	2402-2480	3.00	2.00	5	0.63	3	Yes

Note: The tune-up power<sup>#</sup> was declared by the applicant.

**Result: Compliant** 

TR-EM-RF011 Page 13 of 53 Version 1.0 (2023/10/07)