

## RF EXPOSURE EVALUATION

### 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.

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)] •
- $[\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where
- 1.  $f(\text{GHz})$  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 <sup>#</sup> (mW)	Distance (mm)	Calculated value	Threshold (1-g SAR)	SAR Test Exclusion
Bluetooth	2402-2480	4.00	2.51	5	0.8	3	Yes

Note: The max tune-up conducted power<sup>#</sup> was declared and provided by the applicant

**Result: Compliant**