## RF exposure evaluation

FCC ID: 2AAWE-SE53

§ 2.1093 Radiofrequency radiation exposure evaluation: Portable Devices.

According to § 15.247(i) and § 1.1307b(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the commission's guidance.

The 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

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

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

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| Channel | Frequency<br>(GHz) | Max.<br>Power<br>(dBm) | Tune<br>up<br>Power<br>(dBm) | Max. Tune up Power (dBm) | Max. Tune up Power (mW) | Test<br>distance<br>(mm) | Result | exclusion<br>thresholds<br>for 1-g<br>SAR |
|---------|--------------------|------------------------|------------------------------|--------------------------|-------------------------|--------------------------|--------|---|
| CH 00   | 2.402              | 0.45                   | -0.5±1                       | 0.5                      | 1.12                    | 5                        | 0.35   | 3.0                                       |

## Result:

Base on the calculation value, No SAR measurement is required.