

# FCC ID: 2AZOV-RBB843

## RF exposure evaluation

### § 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  $\leq 50$  mm are determined by:

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

- $f(\text{GHz})$  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

| Mode      | Modulation | Frequency (MHz) | Max. Power (dBm) | Tune-up Power (dBm) | Tune-up Power (mW) | Test Distance (mm) | Result | Exclusion Thresholds for 1-g SAR |
|-----------|------------|-----------------|------------------|---------------------|--------------------|--------------------|--------|----------------------------------|
| Bluetooth | 8DPSK      | 2441            | 7.24             | 7.5                 | 5.62               | 5                  | 1.76   | 3.0                              |