

**Environmental evaluation and exposure limit
according to FCC CFR 47part 1, §1.1307, §1.1310**

The Gateway is classified as standalone portable device, the SAR test exclusion threshold evaluation was performed.

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g SAR test exclusion threshold is determined by the following:

$[(\text{max. power including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] \leq 3.0$ 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;
- The result is rounded to one decimal place for comparison;
- The value 3.0 is referred to as numeric threshold.

The above exclusions are applicable when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Based on the maximum conducted output power of 5.63 dBm = 3.7 mW, the SAR test exclusion threshold was calculated:

$$P / D * \text{sqrt}(f) = 3.7 / 5 * \text{sqrt}(0.915) = 0.7 \leq 3.0$$

Verdict: The device is excluded from the SAR evaluation.