



RF Exposure Statement

1. Limits

According to FCC KDB 447498 D01 General RF Exposure Guidance v06 4.3.1a

- a) For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following: [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] $\cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, 30 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
 - The result is rounded to one decimal place for comparison
 - The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

2. Justification for Distance

The enclosure device thickness exceeds 3mm, in any case the enclosure would need to be a thickness of 0.023 mm to exceed 1 g SAR limits.

3. Calculation

Max Peak Output Power at Antenna Input Terminal (dBm)	-13.474
Max Peak Output Power at Antenna Input Terminal (mW)	0.023607
Distance (mm)	3.0000
Frequency (MHz)	2480

$$[(0.044936)/(10)](\sqrt{2.4835}) = 0.00285$$

4. Results

The calculation result is 0.00285 which is below 3.0 for 1-g SAR