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## **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  $\leq 50$  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  $\leq 7.5$  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