

## \* RF Exposure

### 1. Regulation

According to §15.247(i), 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 levels in excess of the Commission's guidelines.

See § 1.1307(b)(1) of this Chapter.

### **KDB447498 was used as the guidance.**

According to §1.1310 and §2.1093 RF exposure is calculated.

### 2. Result

Test frequency (GHz)	Conducted output power (dBm)	Conducted output power (mW)	Min. test separation distance (mm)	SAR test exclusion thresholds ≤ 3 for 1-g SAR
2.402	-1.05	0.79	5	0.24

#### 1. SAR test exclusion thresholds

$$\begin{aligned} &= [(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \\ &= [(0.79)/(5)] \cdot [\sqrt{2.402}] = 0.24 \end{aligned}$$

## 5.9.3 RF Exposure Compliance Issue

Therefore, EUT is not required the SAR Evaluation.