

*** 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.

1.1 Result

Test frequency [GHz]	Conducted output power [dBm]	Conducted output power [mW]	Min. test separation distance [mm]	SAR test exclusion thresholds ≤ 7.5 for 10-g SAR
2.480	-11.00	0.08	5.00	0.03

1. SAR test exclusion thresholds

$$\begin{aligned} &= [(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \\ &= [(0.08) / (5)] \cdot [\sqrt{2.480}] = 0.03 \end{aligned}$$

1.2 RF Exposure Compliance Issue

Therefore, EUT is not required the SAR Evaluation.