



FCC ID: 2BD9AS05092-2036

According to KDB 447498 D01 General RF Exposure Guidance v06, section 4.3.1

At 100 MHz to 6 GHz and for test separation distances ≤ 50 mm, the SAR test exclusion threshold is determined according to the following:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \times \sqrt{f(\text{GHz})} \leq 3.0$$

1. SAR test exclusion threshold

Frequency: 2445 MHz, test separation distances = 5 mm.

$$\text{SAR test exclusion thresholds (5 mm)} = 3 \times 5 / (\sqrt{2.445}) = 9.59 \text{ mW}$$

Max. Tune-up Tolerance (mW)	SAR Test Exclusion Thresholds (mW)
1	9.59

$$\text{Calculation Value: } 1 \text{ (mW)} / 5 \text{ (mm)} \times \sqrt{2.445} = 0.33$$

So, Calculation value ≤ 3.0

Remark:

- Based on field strength 90.69 dBuV/m at 3m transmit power(eirp) of the device was calculated as 0.35 mW using free space formula.
- Max. power 0.35 mW is closet 1 mW, so 1 mW was calculated.
- When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

2. Conclusion: No SAR is required.