

FCC ID: TDB-NODE-LP

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: 2.480 GHz (min. separation distances = 5 mm)

$$\text{SAR test exclusion thresholds (5 mm)} = \frac{3 \times 5}{(\sqrt{2.480})} = 9.525 \text{ mW}$$

Max. Tune-up Tolerance (mW)	SAR Test Exclusion Thresholds (5mm) (mW)
3.16	9.525

$$\text{Calculation value : } \frac{3.2 \text{ (mW)}}{5 \text{ (mm)}} \times \sqrt{2.480} = 1.01$$

So, Calculation value ≤ 3.0

Remark:

-Max. conducted power 3.16 (mW) is closet 3.2 (mW), so 3.2 (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.