

FCC ID: 2AOIKEM-W100

According to KDB 447498 D01 General RF Exposure Guidance

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

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

1. SAR test exclusion threshold

Frequency : 2 480 MHz (min. separation distances = 0 mm)

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

Max. tune-up tolerance(mW)	SAR Test Exclusion Thresholds(5 mm) (mW)
5.01	9.525

Calculation value : $5.01 \text{ (mW)} / 5 \text{ (mm)} \times \sqrt{2.480} = 1.58$

So, Calculation value ≤ 3.0

Remark:

-Max. conducted power (mW) : maximum tolerance power of EUT (7 dBm)

-Max. conducted power 5.01 (mW)

-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.