

FCC ID: 2AOIKEM-W100

According to KDB 447498 D01 General RF Exposure Guidance

At 100 MHz to 6 GHz and for test separation distances $\leq 50 \text{ mm}$, the SAR test exclusion threshold is determined according to the following

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

1. SAR test exclusion threshold

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

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

| 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 $< 5 \text{ mm}$, a distance of 5 mm is applied to determine SAR test exclusion.

2. Conclusion : No SAR is required.