

## FCC ID: 2AUEL-EXMARS01

According to KDB 447498 D01 General RF Exposure Guidance

At 100 MHz to 6 GHz and for test separation distances  $\leq$  50 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)**

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

Max. tune-up tolerance (mW)	SAR Test Exclusion Thresholds (5 mm) (mW)
0.004	9.525

$$\text{Calculation value: } 1 \text{ (mW)} / 5 \text{ (mm)} \times \sqrt{2.480} = 0.105$$

So, Calculation value  $\leq$  3.0

#### Remark;

- Max. conducted power (mW): maximum tolerance power of EUT (-24 dBm)
- Max. conducted power 0.004 (mW) is less than 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.