

## FCC ID : 2AFDASR1000

According to KDB 447498 D01 General RF Exposure Guidance v05, section 4.3.1

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 = 5 mm)

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

Max. tune-up tolerance(mW)	SAR Test Exclusion Thresholds(5 mm) (mW)
3	9.525

$$\text{Calculation value : } 3 \text{ (mW)} / 5 \text{ (mm)} \times \sqrt{2.480} = 0.945$$

So, Calculation value  $\leq 3.0$

Remark:

-Max. conducted power (mW) : maximum tolerance power of EUT (4 dBm)

-Max. conducted power 2.51 (mW) is closet 3 (mW), so 3 (mW) was calculated.

### 2. Conclusion : No SAR is required.