

FCC ID : Q32-EMR100

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

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

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)
2	9.525

$$\text{Calculation value : } 2 \text{ (mW)} / 5 \text{ (mm)} \times \sqrt{2.480} = 0.63$$

So, Calculation value ≤ 3.0

Remark:

-Max. conducted power (mW) : maximum tolerance power of EUT (0.5 dBm)

-Max. conducted power 1.12 (mW) is less than 2 (mW), so 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.