

RF Exposure Report

The product shall exclude from routine SAR evaluation if

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

as per 447498 D01 General RF Exposure Guidance

Here,

At 2.4GHz band

The highest RF output power = 16mW

The distance between the antenna and the outer edge of enclosure is 11.17mm

Applying the above details in the formula,

$$(16/11.17) \cdot \sqrt{2.45} = 2.24 \\ \leq 3.0$$

At 5GHz band

The highest RF output power = 9mW

The distance between the antenna and the outer edge of enclosure is 11.17mm

Applying the above details in the formula,

$$(9/11.17) \cdot \sqrt{5.18} = 1.833 \\ \leq 3.0$$

Hence, the EUT is exempted from routine SAR evaluation

