

RF EXPOSURE EVALUATION

FCC ID: 2AEKW-CP-SCM002

The maximum radiated peak RF output power is 1.047 mW.

KDB 447498 D01 General RF Exposure Guidance v06, section 4.3.1 a provides the following equation the threshold for proving that a device may be excluded from stand-alone SAR tests (1 gram SAR test exclusion threshold):

-KDB 447498 D01 General RF Exposure Guidance:

$$\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \cdot \sqrt{f_{(\text{GHz})}} \right] \leq 3.0 \text{ for 1-g SAR}$$

- f (GHz) is the RF channel transmit frequency in GHz;
- Power and distance are rounded to the nearest mW and mm before calculation;
- The result is rounded to one decimal place for comparison;
- 3.0 is referred to as the numeric threshold.

Maximum radiated output power of channel: 1.047 mW at 2480 MHz.

This device is intended to be use with a minimum test separation distance of less than 5 mm.

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to section 4.1f of KDB 447498 D01 General RF Exposure Guidance v06 is applied to determine SAR test exclusion.

$$(0.1047 \text{ mW}/5\text{mm}) \cdot \sqrt{2.5} = 0.331 \leq 3.0$$

Conclusion: The device with FCC ID: 2AEKW-CP-SCM002 is excluded from standalone SAR tests per KDB 447498 D01