

Appendix 5

RF Exposure Information

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBm)	Output power (mW)
2410	-9.17	0.121
2443	-12.46	0.056
2475	-13.78	0.041

For FCC

According to KDB 447498 D01:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$
for 1-g SAR and ≤7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ 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 and 7.5 are referred to as the numeric thresholds in the step 2 below

Result:

$$(0.121/5) \cdot \sqrt{2.410} = 0.038 < 3.0$$

$$(0.056/5) \cdot \sqrt{2.443} = 0.018 < 3.0$$

$$(0.041/5) \cdot \sqrt{2.475} = 0.013 < 3.0$$

Conclusion:

No SAR is required.