

Appendix 5

RF Exposure Information

FCC ID: 2A7EW246665010

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBm)	Maximum peak output power (mW)	Maximum peak field strength (dBuV/m)
2408	-5.23	0.300	90.0
2442	-4.23	0.377	91.0
2475	-4.93	0.321	90.3

Note: The maximum peak field strength was taken from table of “Subclause 15.249(a) – Field Strength of Fundamental and Harmonics”.

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(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:

$$(0.300/5) \cdot \sqrt{2.408} = 0.093 < 3.0$$

$$(0.377/5) \cdot \sqrt{2.442} = 0.117 < 3.0$$

$$(0.321/5) \cdot \sqrt{2.475} = 0.101 < 3.0$$

Conclusion:

No SAR is required.