

# Appendix 5

## RF Exposure Information

**Maximum transmitter power:**

Frequency (MHz)	Maximum peak output power (dBuV/m)	Output power (mW)
2405	81.98	0.0473
2448	81.55	0.0429
2478	76.27	0.0127

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  $\leq 7.5$  for 10-g extremity SAR,<sup>24</sup> where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation<sup>25</sup>
- 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:**

$$(0.0473/5) \cdot \sqrt{2.405} = 0.0147 < 3.0$$

$$(0.0429/5) \cdot \sqrt{2.448} = 0.0134 < 3.0$$

$$(0.0127/5) \cdot \sqrt{2.478} = 0.0040 < 3.0$$

**Conclusion:**

No SAR is required.