

# Appendix 5

## RF Exposure Information

**Maximum transmitter power:**

Frequency (MHz)	Maximum peak output power (dBm)	Output power(mW)	Separation Distance (mm)
2402	6.53	4.498	5
2440	7.08	5.105	5
2480	6.16	4.130	5

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<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:**

$$(4.498/5) \cdot \sqrt{2.402} = 1.394 < 3.0$$

$$(5.105/5) \cdot \sqrt{2.440} = 1.595 < 3.0$$

$$(4.130/5) \cdot \sqrt{2.480} = 1.301 < 3.0$$

**Overall Conclusion:**

No SAR is required.