

Appendix 5

RF Exposure Information

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBuV/m)	Output power (mW)	Separation distance (mm)
2404	86.7	0.14	5
2440	84.4	0.08	5
2480	82.3	0.05	5

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* \leq 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:

$$(0.14/5) * \sqrt{2.404} = 0.043 < 3.0$$

$$(0.08/5) * \sqrt{2.440} = 0.025 < 3.0$$

$$(0.05/5) * \sqrt{2.480} = 0.016 < 3.0$$

Conclusion:

No SAR is required.