

## **Appendix 5**

# **RF Exposure Information**

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**Maximum transmitter power:**

Frequency (MHz)	Maximum peak output power (dBm)	Maximum peak output power (mW)	Maximum peak field strength (dBuV/m)
27.145	-24.13	0.0038	71.1

Note: The maximum peak field strength was taken from table of "Subclause 15.227(a) – Radiated Emission of Carrier Frequency".

**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:**

$$(0.0038/5) \cdot \sqrt{0.027145} = 0.0001 < 3.0$$

**Conclusion:**

No SAR is required.