

# **Appendix 5**

## **RF Exposure Information**

**Maximum transmitter power:**

| Frequency<br>(MHz) | Maximum peak output power<br>(dBm) | Output power<br>(mW) |
|--------------------|------------------------------------|----------------------|
| 27.141             | -29.83                             | 0.001                |

**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* ≤5 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:**

$$(0.001/5) \cdot \sqrt{0.027141} = 0.0000329 < 3.0$$

**Conclusion:**

No SAR is required.