

Appendix 5

RF Exposure Information

Maximum transmitter power:

Frequency (MHz)	Maximum peak output power (dBm)	Output power(mW)
13.56	10.18	10.423

For FCC

According to KDB 447498 D01:

For frequencies below 100 MHz, the following may be considered for SAR test exclusion:

For test separation distances \leq 50 mm, power threshold determined by below equation for 50 mm and 100 MHz.

$$\{ \{ 3 \cdot (min. test separation distance, mm) / \sqrt{f_{(GHz)}} + [(test separation distance - 50 mm) \cdot f(MHz) / 150] \} \cdot [1 + \log(100/f(MHz))] \} \cdot 1/2 \text{ mW}$$

for 1-g SAR and \leq 7.5 for 10-g extremity SAR,²⁴ where

- $f_{(GHz)}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- 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

Power Threshold:

$$\{ (3 \cdot 50 / \sqrt{0.1}) \cdot [1 + \log(100/13.56)] \} \cdot 1/2 = 443 \text{ mW}$$

Conclusion:

It is qualified for standalone SAR test exclusion. Please refer to test report# FA600637 issued by SPORTON INTERNATINAL INC. for Simultaneous transmission SAR consideration (If any).