

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 ≤ 50 mm, power threshold determined by below equation for 50 mm and 100 MHz.

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

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

- $f_{\text{(GHz)}}$ 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:

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

Conclusion:

It is qualified for standalone SAR test exclusion. Please refer to test report# FA6O0637 issued by SPORTON INTERNATINAL INC. for Simultaneous transmission SAR consideration (If any).