

Appendix 5

RF Exposure Information

Maximum transmitter power:

Frequency (KHz)	Maximum peak output power (dBuV/m)	Output power (mW)
161	63.9	0.00074
174	63.1	0.00061

For FCC

According to KDB 447498 D01:

Standalone SAR test exclusion considerations:

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.

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

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:

$$\{(3 \cdot 50) / \sqrt{0.1} \cdot [1 + \log(100/0.161)]\}^{1/2} = 899.6 \text{ mW}$$

$$\{(3 \cdot 50) / \sqrt{0.1} \cdot [1 + \log(100/0.174)]\}^{1/2} = 891.6 \text{ mW}$$

Conclusion:

No SAR is required.