

RF Exposure Evaluation

E.U.T. : Transmitter

Model Number : 151SP

Applicant : **Nutek Corporation**

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Approved: 

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1 RF Exposure Evaluation

Portable Device

According to §15.247(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio

frequency energy level in excess of the Commission’s guidelines.

According to KDB 447498_D01_V06 4.3.1(a)

SAR exclusion thresholds by:

[max. power of channel, including tune-up tolerance, mW]/(min, test separation distances, mm)]* $\sqrt{f(\text{GHz})} \leq 3.0$ for 1-g SAR

and ≤ 7.5 for 10-g extremity SAR.

Maximum measured transmitter power

Frequency Range (MHz)	Maximum measured transmitter power (dBm)	Tune-up power tolerance (dB)	Total Maximum power (dBm)	Total Maximum power (mW)
909.6	2.46	(±)2	4.46	2.79254
913.8	2.21	(±)2	4.21	2.63633
918.0	1.94	(±)2	3.94	2.47742

$$(2.79254/5)*(\sqrt{0.9096})=0.53267 \leq 3$$

Conclusion: No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

N/A