

RF Exposure Evaluation

E.U.T. : Transmitter

Model Number : 145SPR

Applicant : **Nutek Corporation**

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Project Engineer : 

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Approved : 

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Portable Device

According to §15.247(e)(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_V05 4.3.1(1)

SAR exclusion thresholds by:

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

and ≤ 7.5 for 10-g extremity SAR.

Maximum measured transmitter power

Frequency Range (MHz)	Maximum peak power (dBm)	Maximum peak power (mW)
909.6	1.90	1.5488
913.8	2.06	1.6069
918.0	2.31	1.7022

$$(1.7022/5) * (\sqrt{0.918}) = 0.32618 \leq 3.$$

Conclusion: No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

N/A