

RF Exposure Evaluation

E.U.T. : Transceiver

Model Number : TRX15SS

Applicant : **Nutek Corporation**

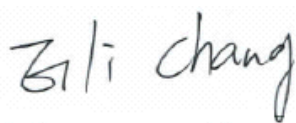
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Approved :



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RF Exposure Evaluation

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 measured transmitter power (dBm)	Tune-up power tolerance (dB)	Total Maximum power (dBm)	Total Maximum power (mW)
909.6	12.70	(±)2	14.70	29.5121
913.8	12.69	(±)2	14.69	29.4442
918.0	12.69	(±)2	14.69	29.4442

$$(29.5121/5) * (\sqrt{0.9096}) = 5.62931 \leq 7.5$$

Conclusion: No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

N/A