

RF Exposure Evaluation

E.U.T. : Transmitter

Model Number : 1412; 124

Applicant : **Nutek Corporation**

Address : NO. 167, Lane 235, Bauchiau Rd., Xindian District,
New Taipei City 23145, Taiwan

Issued By : Interocean EMC Technology Corp.

LAB Location : No. 5-2, Lin 1, Tin-Fu, Lin-Kou Dist., New Taipei City,
Taiwan 244, R.O.C.

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Project Engineer : 

Elli Chang

Approved: 

Jerry Liu

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:

$[\text{max. power of channel, including tune-up tolerance, mW}]/(\text{min, test separation distances, mm}) \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ 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	2.80	(±)2	4.80	3.01995
913.8	2.32	(±)2	4.32	2.70396
918.0	1.93	(±)2	3.93	2.47172

$$(3.01995/5) \cdot (\sqrt{0.9096}) = 0.57604 \leq 3$$

Conclusion:

No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

N/A