

RF Exposure Evaluation

Product : Touch Free Infrared Thermometer

Model Number : NT16B

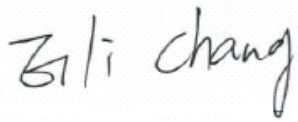
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RF Exposure Evaluation

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_V06 4.3.1(1)

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)
2402	-3.43	(±)2	-1.43	0.72
2440	-4.37	(±)2	-2.37	0.58
2480	-5.04	(±)2	-3.04	0.50

$$(0.72/5)*(\sqrt{2.402})=0.22 \leq 3$$

Conclusion: No SAR is required.

SIMULTANEOUS TRANSMISSION EVALUATION

N/A