



EMC Test Data

Client:	Kinsa Inc.	Job Number:	PR073348
Model:	Smart Ear Thermometer	T-Log Number:	TL073348-RA
Contact:	David Gal	Project Manager:	Christine Krebill
Standard:	FCC Part 15, EN 60601-1-2	Project Coordinator:	-
		Class:	N/A

Maximum Permissible Exposure / SAR Exclusion

Test Specific Details

Objective: The objective of this test session is to perform an evaluation of the EUT with respect to the specification listed above.

Date of Test: 3/9/2018

Test Engineer: David Bare

General Test Configuration

MPE Calculation uses the free space transmission formula:

$$S = (PG)/(4 \pi d^2)$$

Where: S is power density (W/m^2), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

SAR Exclusion calculation uses the formula for FCC KDB 447498:

$$[(\text{max. power in mW}) / (\text{min. test separation distance in mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$

Summary of Results

Device complies with SAR exclusion at 5mm separation:	Yes
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Modifications Made During Testing

No modifications were made to the EUT during testing

Deviations From The Standard

No deviations were made from the requirements of the standard.

FCC SAR Exclusion Calculation

Freq. MHz	EUT Power		Cable Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Separation Distance (mm)	SAR Exclusion Calc.	SAR Exclusion Limit
	dBm	mW*							
2480	-0.4	0.9	0	1.5	-0.4	1.29	5.0	0.29	3.0