EMC Test Data

Client:	Whisker Labs, Inc.	Job Number:	PR082203
Model:	Ting Radio	T-Log Number:	TL082203-RA
		Project Manager:	Christine Krebill
Contact:	Chris Sloop	Project Coordinator:	David Bare
Standard:	FCC part 15	Class:	N/A

Maximum Permissible Exposure

Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 7/20/2018

Test Engineer: David Bare

General Test Configuration

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).

Summary of Results

Device complies with Power Density requirements at 20cm separation:	Yes
If not, required separation distance (in cm):	-

FCC MPE Calculation
Use: General
Antenna: 1.0 dBi

Freq. MHz	EUT Power dBm	EUT Power mW*	Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 20 cm mW/cm^2	MPE Limit at 20 cm mW/cm^2
2412	19.7	93.3	0	1	19.7	117.5	0.023	1.000
2437	19.9	97.7	0	1	19.9	123.0	0.024	1.000
2462	20.2	104.7	0	1	20.2	131.8	0.026	1.000

For the cases where S > the MPE Limit

Freq. MHz	S @ 20 cm mW/cm^2	MPE Limit mW/cm^2	Distance where S <= MPE Limit
2412	0.023	1.000	3.1cm
2437	0.024	1.000	3.1cm
2462	0.026	1.000	3.2cm