Client:	SAFEmine Technology, Inc.	Job Number:	J94480
Model:	QC250	T-Log Number:	T94590
		Project Manager:	Christine Krebill
Contact:	Lukas Herzog	Project Coordinator:	Irene Rademacher
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 Evaluation: 4/30/2014

Engineer: David Bare

General Test Configuration

Calculation uses the free space transmission formula:

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

Where: S is power density (mW/m^2), P is output power (mW), G is antenna gain relative to isotropic, and 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):	

Use: General

Antenna: 3dBi for 900 MHz and 5 dBi for 2.4 GHz radios respectively

Band (MHz)	Mode	Output Power Peak	Output Power Average	Antenna gain (Max)	EIRP dBm	EIRP W	Channels Available	Channels Used	Total EIRP W	Total EIRP dBm
2412 - 2472	WiFi	21.0	-	5.0	26.0	0.394	13	1	0.394	25.96
908-927.6	Hopping	13.0	-	3.0	16.0	0.040	4	1	0.040	16.00
							Totals:	2	0.434	26.38

Band (MHz)	S @ 20 cm mW/cm^2	MPE Limit mW/cm^2	Percentage of MPE limit for each radio
2412 - 2472	0.078	1.000	8%
908-927.6	0.008	0.605	1%
		Total	9%

As the total of the percentages is 9%, the device complies with the limits at a distance of 20 cm even when both radios transmit simultaneously.