Client:	Vivint Wireless	Job Number:	J96091
Model:	1520 (4x4 5GHz 802.11 Client)	T-Log Number:	T96173
		Project Manager:	Irene Rademacher
Contact:	Venkat Kalkunte	Project Coordinator:	-
Standard:	FCC 15.B / 15.407 (New Rules)	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: 2/17/2015
Test Engineer: Mark Hill

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

Use: General
Antenna: 6dBi 4x4 antenna, 9dBi effective gain

Using worse case channel/mode from each band

Freq.	EUT Power		Cable Loss	Ant Gain	Power at Ant	EIRP	Power Density (S) at 20 cm	MPE Limit at 20 cm
MHz	dBm	mW*	dB	dBi	dBm	mW	mW/cm^2	mW/cm^2
5230	20.7	117.5	0	9	20.7	933.25	0.186	1.000
5270	20.9	123.0	0	9	20.9	977.24	0.194	1.000
5710	21.2	132.1	0	9	21.2	1049.31	0.209	1.000
5795	24.1	257.0	0	9	24.1	2041.74	0.406	1.000

Note: For channels that span 5725MHz, the measured power in the UNII2c and UNII3 was summed, as this would be worse case from an RF exposure perspective.