Client:	Vivint Wireless	Job Number:	J95684
Model:	1420 (4x4 5GHz 802.11 Client)	T-Log Number:	T95948
		Project Manager:	Christine Krebill
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: 9/26/2014
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

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
5190	19.7	93.3	0	9	19.7	741.31	0.147	1.000
5230	19.7	93.3	0	9	19.7	741.31	0.147	1.000
5270	20.9	123.0	0	9	20.9	977.24	0.194	1.000
5310	19.9	97.7	0	9	19.9	776.25	0.154	1.000
5510	18.7	74.1	0	9	18.7	588.84	0.117	1.000
5550	20.8	120.2	0	9	20.8	954.99	0.190	1.000
5670	20.5	112.2	0	9	20.5	891.25	0.177	1.000
5710	21.3	134.9	0	9	21.3	1071.52	0.213	1.000
5755	19.3	85.1	0	9	19.3	676.08	0.135	1.000
5795	23.6	229.1	0	9	23.6	1819.70	0.362	1.000

Note: For 5710MHz, the total power across the transmissions, is used in the MPE calculation