EMC Test Data

Client:	Vivint Wireless	Job Number:	J96375
Model:	SR1430 (4x4 5GHz 802.11 master)	T-Log Number:	T96435
		Project Manager:	Christine Krebill
Contact:	Venkat Kalkunte	Project Coordinator:	-
Standard:	FCC 15.B / 15.407 / 15.247 (Old 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: 10/31/2014

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: Effective gain varies with frequency, as shown below

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
5310	19.3	85.1	0	7.5	19.3	478.63	0.095	1.000
5510	17.9	61.7	0	8.0	17.9	389.05	0.077	1.000
5550	21.9	154.9	0	8.0	21.9	977.24	0.194	1.000
5670	21.7	147.9	0	8.0	21.7	933.25	0.186	1.000
5710	22.4	172.9	0	8.0	22.4	1090.93	0.217	1.000
5755	21.8	151.4	0	8.5	21.8	1071.52	0.213	1.000
5795	26.8	478.6	0	8.5	26.8	3388.44	0.674	1.000