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Addendum Report

Electromagnetic Radiation (EMR) Testing Twenty-Five Schools, Peel District School Board

G2S13600B

Peel District School Board
5650 Hurontario Street
Mississauga, Ontario
L5R 1C6

14/10/2015

1.0 Introduction and Objective

In 2014, G2S Environmental Consulting Inc. (G2S) completed electromagnetic radiation (EMR) testing of twenty-five school buildings within the Peel District School Board (PDSB). Details of the testing are found in the G2S report entitled "*Electromagnetic Radiation (EMR) Testing Report, Twenty-Five Schools, Peel District School Board*", dated May 26, 2014.

Guidelines for acceptable levels of radio frequency (RF) exposure for the protection of human health are outlined in the 2015 Health Canada document entitled "*Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the frequency Range from 3 kHz to 300 GHz*" (Safety Code 6 (2015)). The Safety Code 6 (2015) document replaces the Health Canada Safety Code 6 document published in 2009.

The objective of this report is to compare the 2014 RF data to the exposure limits specified in Safety Code 6 (2015). More information regarding the Safety Code 6 (2015) limits is provided in Section 2.0.

This addendum is only to be read in conjunction with the G2S report dated May 26, 2014.

2.0 Health Canada's Safety Code 6 (2015)

The purpose of Safety Code 6 is to specify maximum levels to RF fields at frequencies between 3 kHz to 300 GHz, to prevent adverse human health effects in both controlled and uncontrolled environments (Health Canada, 2015).

Safety Code 6 (2015) has specified two types of exposure limits: (i) exposure in a controlled environment and (ii) exposure in an uncontrolled environment. The first type of limit addresses the maximum permissible exposures (MPEs) for employees in the RF/communications industry, where exposure is a component of their job and is, therefore, predictable and carefully monitored. The second type of limit addresses the exposure of the general public, which can occur at any arbitrary location (public or private) and which, therefore, cannot be controlled or monitored on a regular basis. The applicable limit for this investigation is exposure in an uncontrolled environment.

The recommended exposure levels are regulated through: (a) the specific absorption rate (SAR) limits, and (b) the field strength or the power density limits, depending on the frequency range. SAR is a measurement of the rate at which electromagnetic energy is absorbed in the body and is measured in Watts per kilogram (W/kg). The SAR is typically determined for situations where exposures occur at a distance of 0.2 m or less from the source and is applicable for persons classified as RF and microwave workers. For conditions where SAR determination is impractical (this is usually the case of the uncontrolled environment), reference levels for maximum human exposure to RF fields are specified in Safety Code 6 (2015). The reference levels are specified in terms of unperturbed, externally applied electric and magnetic field strength, power density and in terms of electric current in the body. Section 2.2 of Safety Code 6 (2015) specifies exposure limits or reference levels for persons NOT classified as RF and microwave workers (the general public) in terms of electric field strength and power density for frequencies greater than 10 MHz. Below 10 MHz, both the nerve stimulus and SAR-based reference levels are specified only in terms of electric and magnetic field strengths. The reference levels for Electric Field Strength, Magnetic Field Strength and Power Density in an

uncontrolled environment are summarized in Table 1 in the relevant frequency bands. Note that the probe used in the current survey is specifically designed to report the RF emissions relative to Safety Code 6 (2009) in the frequency range from 300 kHz (or 0.3 MHz) to 50 GHz (or 50 000 MHz).

Safety Code 6 was updated by Health Canada on March 13, 2015. While the biological basis for the basic restrictions specified in Safety Code 6 have not changed since the 2009 version, the reference levels have been updated to either account for dosimetric refinements in recent years, or where feasible, to harmonize with those of the International Commission of Non-Ionizing Radiation Protection (ICNIRP) (Health Canada, 2015).

TABLE 1:
 REFERENCE LEVELS FOR UNCONTROLLED ENVIRONMENTS ACCORDING TO SAFETY CODE 6 (2015)

Frequency <i>f</i> (MHz)	<i>E</i> -field strength, (<i>E</i> _{RL}), (V/m, RMS)	<i>H</i> -field strength, (<i>H</i> _{RL}), (A/m, RMS)	Power Density (W/m ²)	Averaging Time (min)
0.003 to 10*	83	90	NA	Instantaneous
1 to 10**	$87 / f^{0.5}$	$0.73 / f^{***}$	NA	6
10-20	27.46	0.0728	2	6
20 - 48	$58.07 / f^{0.25}$	$0.1540 / f^{0.25}$	$8.944 / f^{0.25}$	6
48 - 300	22.06	0.05852	1.291	6
300 – 6000	$3.142 f^{0.3417}$	$0.008335 f^{0.3417}$	$0.02619 f^{0.6834}$	6
6000 – 15000	61.4	0.163	10	6
15000 – 150000	61.4	0.163	10	$616000 / f^{1.2}$
150000 – 300000	$0.158 f^{0.5}$	$4.21 \times 10^{-4} f^{0.5}$	$6.67 \times 10^{-5} f$	$616000 / f^{1.2}$

* Reference Level based on nerve stimulation

** Reference Level based on specific absorption rate

*** Extends from 0.1 MHz to 10 MHz

3.0 Data Evaluation

The results are presented in summary tables included in Attachment 1. The spatial average is presented as a percentage of the allowable limits and in W/m². The results relative to Safety Code 6 (2015) in an uncontrolled environment are shown in the summary tables.

A conversion is required to assess the measurements against the RF exposure limits set out in Safety Code 6 (2015) for uncontrolled environments. In general, the 2015 limits have become more stringent than those in 2009. In particular, in the frequency band from 1500 MHz to 6000 MHz, where the Wi-Fi equipment operates, the exposure limit in terms of power density (in W/m²) has been lowered on average by a factor of 0.7155. This means that percentage exposure values relative to Safety Code 6 (2009), for radiation in this frequency band, must be multiplied by a factor of 1.3977 (about 1.4) in order to obtain the percentage exposure values relative to Safety Code 6 (2015). For example, if an exposure value relative to Safety Code 6 (2009), was reported to be 1% of the limit (in the frequency band from 1500 MHz to 6000 MHz), then, according to the new 2015 limits, this exposure is about 1.4%.

The sources of radiation below 1500 MHz are ubiquitous, including cell towers, mobile phones, TV and radio broadcast, police and other special services radios, weather stations, etc. and must be accounted for. Thus, the conversion coefficient from the Safety Code 6 (2009) to Safety Code (2015) must include all frequencies from the lowest limit of the measurement probe (0.3 MHz) to 6000 MHz, which is slightly beyond the upper limit for the Wi-Fi networks. This coefficient is 1.4809 (or about 1.5). Thus, if an exposure value relative to Safety Code 6, (2009), was reported to be 1% of the limit (in the frequency band from 0.3 MHz to 6000 MHz), then, according to the new 2015 limits, this exposure is approximately 1.5%. The coefficient of 1.5, which is appropriate for conversion in the frequency band from 0.3 MHz to 6000 MHz, is greater (thus more conservative) compared to the coefficient of 1.4 used in the previous paragraph to convert exposure values only for the frequencies between 1500 MHz and 6000 MHz.

The WiFi at the schools operates in the 300 Mz to 6000 Mz range. It is important to note that the radiation beyond the frequency of 6000 MHz is not common. Moreover, including these frequencies leads to a lower conversion coefficient due to the fact that in this frequency range the exposure limits have remained largely unchanged.

It is desirable to use the most conservative (i.e., the largest) conversion coefficient of 1.5 when translating the percentage exposure values from the Safety Code 6 (2009) limits to the Safety Code 6 (2015) limits. This has been done in this report and all field measurement tables where the percentage exposure values have been reported relative to both the 2009 and the 2015 limits. A summary of the maximum spatial average measurements recorded at each of the twenty-five schools is summarized in Table 2 below.

TABLE 2: MAXIMUM OF THE SPATIAL AVERAGE RESULTS BY LOCATION

School	Sample ID	Wi-Fi Computer Network	% of Safety Code 6 Limits (2015) (uncontrolled environment)
Allan Drive Middle School	AD 1	OFF	2.63 %
Belfountain Public School	BPS 1	ON	4.89 %
Castlebrooke Secondary School	CB 22	ON	4.11 %
Cawthra Park Secondary School	CSS 21	OFF	7.12 %
Central Peel Secondary School	CP 22	OFF	8.63 %
Dorset Drive Public School	DD 7	ON	5.90 %
Fallingbrook Middle School	FB 1	ON	7.81 %
Fletcher's Meadow Secondary School	FM 2	ON	5.83 %
Glenforest Secondary School	G 23	OFF	7.22 %
Herb Campbell Public School	HC 5	OFF	4.41 %
Hillcrest Middle School	HMS 14	ON	5.26 %
Humberview Secondary School	HV 19	ON	8.75 %
Huttonville Public School	HPS 6	OFF	8.12 %
Kenollie Public School	K7	OFF	5.05 %
Lorne Park Secondary School	LP 14	OFF	4.46 %
Lougheed Middle School	L 4	OFF	6.80 %
Meadowvale Secondary School	MV 34	OFF	7.44 %

School	Sample ID	Wi-Fi Computer Network	% of Safety Code 6 Limits (2015) (uncontrolled environment)
Middlebury Public School	MPS 9	ON	5.20 %
Mineola Public School	M 13	ON	7.90 %
Morning Star Middle School	MS 2	ON	6.36 %
North Park Secondary School	NP 15	OFF	3.86 %
Port Credit Secondary School	PC 34	ON	4.17 %
Queen Elizabeth Sr. Public School	QE 7	ON	3.76 %
Southfields Village Public School	SFV 11	ON	2.56 %
William G. Davis Sr. Public School	WD 12	OFF	4.52 %

Note: Measurements are % of Safety Code 6 limit in an uncontrolled environment

4.0 Conclusion and Recommendations

A total of 551 locations were measured at the twenty-five school buildings during the investigation in 2014. Testing was conducted during the regular school day and reflects all devices in use at that point. An additional four devices were set to operate at maximum download/upload rates during the collection of the RF measurements. All measurements were well below the Safety Code 6 limits (2015).

The RF levels show values typical for residential areas of relatively low population density. Note that higher population density usually relates to higher RF activity, especially when cell towers are present.

Based on the findings of this addendum, the RF measurements in the areas tested are well within the limits set by Safety Code 6 (2015). The need for further investigations has not been identified at this time.

5.0 Qualifications of the Reviewer

Dr. Natalia K. Nikolova, P.Eng. (ON), is a Professor at McMaster University, Hamilton. She has been a faculty member of the Department of Electrical and Computer Engineering in McMaster University since 1999 where she teaches courses related to electromagnetic fields and waves, antennas, and radio-frequency (RF) and microwave engineering. She supervises a large research team working on projects in microwave and antenna engineering, electromagnetic field theory and computational methods. She has consulted for more than 11 years in the areas of microwave antennas, radar imaging and detection, and electromagnetic high-frequency computer-aided design. She has been working on collaborative projects between McMaster University and industrial partners related to the RF hazard evaluation of mobile devices and radiation sources for the last seven years. Prof. Nikolova is a registered Professional Engineer in the province of Ontario, a Fellow of the Institute of Electrical and Electronic Engineers (IEEE) and a Fellow of the Canadian Academy of Engineering.

6.0 References

- a) Health Canada. *Environmental Workplace and Health: Radiofrequency Fields*. Updated 2009-11-12. <<http://www.hc-sc.gc.ca/ewh-semt/radiation/cons/radiofreq/index-eng.php>>.
- b) Health Canada. *Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz* (Safety Code 6). 2009.
- c) Industry Canada. *Case Study: Measurements of Radio Frequency Exposure from Wi-Fi Devices*. May 2012.
- d) Health Canada. *Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the frequency Range from 3 kHz to 300 GHz* (Safety Code 6). 2015.

7.0 Limitations

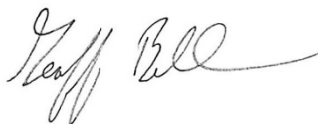
This report has been prepared for the sole benefit of the Peel District School Board and is intended to provide an addendum to the report titled “*Electromagnetic Radiation (EMR) Testing Report, Twenty-Five Schools, Peel District School Board*”, completed by G2S Environmental Consulting Inc., dated May 26, 2014. The report may not be used by any other person or entity without the expressed written consent of the Peel District School Board and G2S. Any use which a third party makes of this report, or any reliance on decisions made based on it, is the responsibility of such third parties. G2S accepts no responsibility for damages, if any suffered by any third party as a result of decisions made or actions based on this report.

The findings in this addendum are limited to the conditions at the Site at the time of the data collection (January, February and March 2014) as well as information provided by the Site representatives as reported herein. Conclusions presented in this report should not be construed as legal advice. If Site conditions or applicable standards change or if any additional information becomes available at a future date, changes to the findings, conclusions and recommendations in this report may be necessary.

8.0 Closing Remarks

We trust this report is satisfactory for your purposes. Should you have any questions, please do not hesitate to contact this office.

Yours truly,



Geoff Bell, P. Geo. (limited)
Senior Project Manager
G2S Environmental Consulting



Dr. N.K. Nikolova, Fellow IEEE, P.Eng.
Electrical Engineer
McMaster University

Attachment

Attachment 1: Field Measurement Tables

**Attachment 1:
Field Measurement Tables**

Table 1: Field Measurements
Allan Drive Middle School
Page 1

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
AD 1	Room 204	0.9-1.8	SA	11:36	ON	0.3017	1.5085	2.2628	0.1502
AD 1	Room 204	0.9-1.8	SA	16:58	OFF	0.3512	1.7560	2.6340	0.1749
AD 2	Library	0.9-1.8	SA	11:48	ON	0.1120	0.5600	0.8400	0.0558
AD 2	Library	0.9-1.8	SA	16:50	OFF	0.3511	1.7555	2.6333	0.1748
AD 3	Room 215	0.9-1.8	SA	12:00	ON	0.0395	0.1975	0.2963	0.0197
AD 3	Room 215	0.9-1.8	SA	16:33	OFF	0.1202	0.6010	0.9015	0.0599
AD 4	Room 223	0.9-1.8	SA	12:09	ON	0.1160	0.5800	0.8700	0.0578
AD 4	Room 223	0.9-1.8	SA	16:24	OFF	0.1251	0.6255	0.9383	0.0623
AD 5	Room 213	0.9-1.8	SA	12:21	ON	0.1638	0.8190	1.2285	0.0816
AD 5	Room 213	0.9-1.8	SA	16:42	OFF	0.0840	0.4200	0.6300	0.0418
AD 6	Staff Room	2.0-4.0	SA	12:42	ON	0.1758	0.8790	1.3185	0.0875
AD 6	Staff Room	2.0-4.0	SA	15:04	OFF	0.0100	0.0500	0.0750	0.0050
AD 7	Room 112	0.9-1.8	SA	12:45	ON	0.3421	1.7105	2.5658	0.1704
AD 7	Room 112	0.9-1.8	SA	15:12	OFF	0.1758	0.8790	1.3185	0.0875
AD 8	Room 117	0.9-1.8	SA	13:00	ON	0.3085	1.5425	2.3138	0.1536
AD 8	Room 117	0.9-1.8	SA	15:26	OFF	0.2505	1.2525	1.8788	0.1247
AD 9	Hallway outside custodial storage room	0.9-1.8	SA	13:10	ON	0.2002	1.0010	1.5015	0.0997
AD 9	Hallway outside custodial storage room	0.9-1.8	SA	15:34	OFF	0.1331	0.6655	0.9983	0.0663
AD 10	Room 144	0.9-1.8	SA	13:19	ON	0.3033	1.5165	2.2748	0.1510
AD 10	Room 144	0.9-1.8	SA	15:42	ON	0.2217	1.1085	1.6628	0.1104
AD 11	Hallway outside 174	0.9-1.8	SA	13:37	ON	0.0484	0.2420	0.3630	0.0241
AD 11	Hallway outside 174	0.9-1.8	SA	15:44	OFF	0.1667	0.8335	1.2503	0.0830
AD 12	Room 172	0.9-1.8	SA	13:45	ON	0.1517	0.7585	1.1378	0.0755
AD 12	Room 172	0.9-1.8	SA	15:52	OFF	0.2858	1.4290	2.1435	0.1423
AD 13	Portable	0.6-1.5	SA	14:02	ON	0.0717	0.3585	0.5378	0.0357
AD 13	Portable	0.6-1.5	SA	14:10	OFF	0.2332	1.1660	1.7490	0.1161
AD 14	General Office	2.0-4.0	SA	14:30	ON	0.2872	1.4360	2.1540	0.1430
AD 14	General Office	2.0-4.0	SA	16:07	OFF	0.2242	1.1210	1.6815	0.1117
AD 15	Guidance Office	0.9-1.8	SA	14:37	ON	0.2079	1.0395	1.5593	0.1035
AD 15	Guidance Office	0.9-1.8	SA	15:59	OFF	0.2760	1.3800	2.0700	0.1374

AP = Access Point
SA = Spatial Average
Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
BPS 1	General Office	3.0-5.0	SA	12:27	ON	0.6520	3.2600	4.8900	0.3247
BPS 1	General Office	3.0-5.0	SA	15:32	OFF	0.0218	0.1090	0.1635	0.0109
BPS 2	Hallway	1-1.5	SA	12:35	ON	0.3006	1.5030	2.2545	0.1497
BPS 2	Hallway	1-1.5	SA	15:39	OFF	0.0109	0.0545	0.0818	0.0054
BPS 3	Gym	0.9-1.5	SA	12:44	ON	0.3739	1.8695	2.8043	0.1862
BPS 3	Gym	0.9-1.5	SA	15:46	OFF	0.0866	0.4330	0.6495	0.0431
BPS 4	Room 2	4.0-6.0	SA	12:53	ON	0.4231	2.1155	3.1733	0.2107
BPS 4	Room 2	4.0-6.0	SA	16:02	OFF	0.1014	0.5070	0.7605	0.0505
BPS 5	Library	1-1.5	SA	13:01	ON	0.5949	2.9745	4.4618	0.2963
BPS 5	Library	1-1.5	SA	16:09	OFF	0.0398	0.1990	0.2985	0.0198
BPS 6	Hallway	0.9-1.5	SA	13:09	ON	0.4078	2.0390	3.0585	0.2031
BPS 6	Hallway	0.9-1.5	SA	16:16	OFF	0.0662	0.3310	0.4965	0.0330
BPS 7	Room 9	3.0-5.0	SA	13:16	ON	0.4787	2.3935	3.5903	0.2384
BPS 7	Room 9	3.0-5.0	SA	16:23	OFF	0.1003	0.5015	0.7523	0.0499
BPS 8	Room 5	3.0-5.0	SA	13:24	ON	0.3949	1.9745	2.9618	0.1967
BPS 8	Room 5	3.0-5.0	SA	16:30	OFF	0.0214	0.1070	0.1605	0.0107
BPS 9	Hallway	0.9-1.5	SA	13:32	ON	0.4519	2.2595	3.3893	0.2250
BPS 9	Hallway	0.9-1.5	SA	16:37	OFF	0.0442	0.2210	0.3315	0.0220
BPS 10	Room 7	3.0-5.0	SA	13:39	ON	0.3441	1.7205	2.5808	0.1714
BPS 10	Room 7	3.0-5.0	SA	16:44	OFF	0.0336	0.1680	0.2520	0.0167

AP = Access Point
 SA = Spatial Average
 Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
CB 1	Cafeteria	1.5-2.4	SA	11:22	ON	0.1595	0.7975	1.1963	0.0794
CB 1	Cafeteria	1.5-2.4	SA	15:27	OFF	0.0114	0.0570	0.0855	0.0057
CB 2	Commons	0.9-1.8	SA	11:29	ON	0.2739	1.3695	2.0543	0.1364
CB 2	Commons	0.9-1.8	SA	15:35	OFF	0.1052	0.5260	0.7890	0.0524
CB 3	Student Services	3.0-5.0	SA	11:37	ON	0.2878	1.4390	2.1585	0.1433
CB 3	Student Services	3.0-5.0	SA	15:42	OFF	0.1241	0.6205	0.9308	0.0618
CB 4	Main Office	0.6-1.5	SA	11:44	ON	0.3107	1.5535	2.3303	0.1547
CB 4	Main Office	0.6-1.5	SA	17:54	OFF	0.1120	0.5600	0.8400	0.0558
CB 5	Tech/Resource Room	0.9-1.8	SA	11:55	ON	0.4470	2.2350	3.3525	0.2226
CB 5	Tech/Resource Room	0.9-1.8	SA	18:03	OFF	0.3153	1.5765	2.3648	0.1570
CB 6	Corridor near 102	0.6-1.5	SA	12:04	ON	0.3453	1.7265	2.5898	0.1720
CB 6	Corridor near 102	0.6-1.5	SA	16:10	OFF	0.1394	0.6970	1.0455	0.0694
CB 7	Room 102	3.0-5.0	SA	12:12	ON	0.5423	2.7115	4.0673	0.2701
CB 7	Room 102	3.0-5.0	SA	16:18	OFF	0.2484	1.2420	1.8630	0.1237
CB 8	Room 106	2.0-4.0	SA	12:20	ON	0.4168	2.0840	3.1260	0.2076
CB 8	Room 106	2.0-4.0	SA	16:26	OFF	0.1210	0.6050	0.9075	0.0603
CB 9	Room 110	2.0-4.0	SA	12:29	ON	0.4359	2.1795	3.2693	0.2171
CB 9	Room 110	2.0-4.0	SA	16:53	OFF	0.2662	1.3310	1.9965	0.1326
CB 10	Hall outside 110	0.6-1.5	SA	12:36	ON	0.4066	2.0330	3.0495	0.2025
CB 10	Hall outside 110	0.6-1.5	SA	16:43	OFF	0.2090	1.0450	1.5675	0.1041
CB 11	Staff Lounge	2.0-4.0	SA	12:44	ON	0.4573	2.2865	3.4298	0.2277
CB 11	Staff Lounge	2.0-4.0	SA	17:02	OFF	0.0593	0.2965	0.4448	0.0295
CB 12	Room 115	2.0-4.0	SA	12:52	ON	0.4693	2.3465	3.5198	0.2337
CB 12	Room 115	2.0-4.0	SA	17:11	OFF	0.0658	0.3290	0.4935	0.0328
CB 13	Hall outside 117	0.6-1.5	SA	13:04	ON	0.4914	2.4570	3.6855	0.2447
CB 13	Hall outside 117	0.6-1.5	SA	17:19	OFF	0.0365	0.1825	0.2738	0.0182
CB 14	Room 120	0.9-1.8	SA	13:06	ON	0.4388	2.1940	3.2910	0.2185
CB 14	Room 120	0.9-1.8	SA	17:27	OFF	0.0460	0.2300	0.3450	0.0229
CB 15	Room 122	0.9-1.8	SA	14:29	ON	0.5376	2.6880	4.0320	0.2677
CB 15	Room 122	0.9-1.8	SA	17:36	OFF	0.1011	0.5055	0.7583	0.0503
CB 16	Hall outside gym	0.6-1.5	SA	13:21	ON	0.4349	2.1745	3.2618	0.2166
CB 16	Hall outside gym	0.6-1.5	SA	17:46	OFF	0.0546	0.2730	0.4095	0.0272
CB 17	Room 209	3.0-5.0	SA	13:37	ON	0.4113	2.0565	3.0848	0.2048
CB 17	Room 209	3.0-5.0	SA	18:21	OFF	0.0497	0.2485	0.3728	0.0248
CB 18	Room 201	2.0-4.0	SA	13:45	ON	0.5204	2.6020	3.9030	0.2592
CB 18	Room 201	2.0-4.0	SA	18:13	OFF	0.1959	0.9795	1.4693	0.0976
CB 19	Hall outside 205	0.6-1.5	SA	13:53	ON	0.4828	2.4140	3.6210	0.2404
CB 19	Hall outside 205	0.6-1.5	SA	18:28	OFF	0.1171	0.5855	0.8783	0.0583

AP = Access Point
SA = Spatial Average
Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
CB 20	Room 205	2.0-4.0	SA	14:01	ON	0.4452	2.2260	3.3390	0.2217
CB 20	Room 205	2.0-4.0	SA	18:36	OFF	0.0588	0.2940	0.4410	0.0293
CB 21	Room 212	1.2-2.1	SA	14:10	ON	0.5813	2.9065	4.3598	0.2895
CB 21	Room 212	1.2-2.1	SA	18:44	OFF	0.1845	0.9225	1.3838	0.0919
CB 22	Staff Prep E	3.0-5.0	SA	14:18	ON	0.5484	2.7420	4.1130	0.2731
CB 22	Staff Prep E	3.0-5.0	SA	18:52	OFF	0.2722	1.3610	2.0415	0.1356
CB 23	Hall across science terrace	0.9-1.8	SA	12:22	ON	0.2271	1.1355	1.7033	0.1131
CB 23	Hall across science terrace	0.9-1.8	SA	17:20	OFF	0.2929	1.4645	2.1968	0.1459
CB 24	Room 226	2.0-4.0	SA	12:32	ON	0.1971	0.9855	1.4783	0.0982
CB 24	Room 226	2.0-4.0	SA	17:28	OFF	0.2936	1.4680	2.2020	0.1462
CB 25	Hall outside 223	1.2-2.1	SA	12:39	ON	0.1856	0.9280	1.3920	0.0924
CB 25	Hall outside 223	1.2-2.1	SA	17:35	OFF	0.1490	0.7450	1.1175	0.0742
CB 26	Room 218	2.0-4.0	SA	12:49	ON	0.1825	0.9125	1.3688	0.0909
CB 26	Room 218	2.0-4.0	SA	17:03	OFF	0.0095	0.0475	0.0713	0.0047
CB 27	Room 216	2.0-4.0	SA	12:58	ON	0.2738	1.3690	2.0535	0.1364
CB 27	Room 216	2.0-4.0	SA	17:11	OFF	0.2033	1.0165	1.5248	0.1012
CB 28	Corridor across open to below	0.9-1.8	SA	13:09	ON	0.2893	1.4465	2.1698	0.1441
CB 28	Corridor across open to below	0.9-1.8	SA	15:30	OFF	0.0182	0.0910	0.1365	0.0091
CB 29	Room 311	2.0-4.0	SA	13:18	ON	0.2535	1.2675	1.9013	0.1262
CB 29	Room 311	2.0-4.0	SA	15:40	OFF	0.0456	0.2280	0.3420	0.0227
CB 30	Hall outside 314	0.9-1.8	SA	13:26	ON	0.2583	1.2915	1.9373	0.1286
CB 30	Hall outside 314	0.9-1.8	SA	15:48	OFF	0.1343	0.6715	1.0073	0.0669
CB 31	Room 314	2.0-4.0	SA	13:33	ON	0.2962	1.4810	2.2215	0.1475
CB 31	Room 314	2.0-4.0	SA	15:55	OFF	0.1587	0.7935	1.1903	0.0790
CB 32	Room 319	2.0-4.0	SA	13:41	ON	0.2875	1.4375	2.1563	0.1432
CB 32	Room 319	2.0-4.0	SA	16:03	OFF	0.1143	0.5715	0.8573	0.0569
CB 33	Room 308	2.0-4.0	SA	13:53	ON	0.3042	1.5210	2.2815	0.1515
CB 33	Room 308	2.0-4.0	SA	16:29	OFF	0.1376	0.6880	1.0320	0.0685
CB 34	Room 305	2.0-4.0	SA	14:01	ON	0.2738	1.3690	2.0535	0.1364
CB 34	Room 305	2.0-4.0	SA	16:37	OFF	0.0715	0.3575	0.5363	0.0356
CB 35	Hall outside 302 and 303	0.9-1.8	SA	14:08	ON	0.2827	1.4135	2.1203	0.1408
CB 35	Hall outside 302 and 303	0.9-1.8	SA	16:44	OFF	0.1532	0.7660	1.1490	0.0763
CB 36	Staff Prep H	3.0-5.0	SA	14:16	ON	0.2636	1.3180	1.9770	0.1313
CB 36	Staff Prep H	3.0-5.0	SA	16:21	OFF	0.1282	0.6410	0.9615	0.0638
CB 37	Room 310	2.0-4.0	SA	14:23	ON	0.2399	1.1995	1.7993	0.1195
CB 37	Room 310	2.0-4.0	SA	16:13	OFF	0.0999	0.4995	0.7493	0.0498

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Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
CSS 1	General Office	0.6-1.2	SA	10:59	ON	0.0119	0.0595	0.0893	0.0059
CSS 1	General Office	0.6-1.2	SA	15:06	OFF	0.0112	0.0560	0.0840	0.0056
CSS 2	Guidance Office	0.6-1.2	SA	11:06	ON	0.0561	0.2805	0.4208	0.0279
CSS 2	Guidance Office	0.6-1.2	SA	15:13	OFF	0.0495	0.2475	0.3713	0.0247
CSS 3	Staff Room	0.6-1.2	SA	11:14	ON	0.1396	0.6980	1.0470	0.0695
CSS 3	Staff Room	0.6-1.2	SA	15:21	OFF	0.1402	0.7010	1.0515	0.0698
CSS 4	Hallway outside room 203	0.6-1.2	SA	11:22	ON	0.1821	0.9105	1.3658	0.0907
CSS 4	Hallway outside room 203	0.6-1.2	SA	15:29	OFF	0.1527	0.7635	1.1453	0.0760
CSS 5	Social Science (2nd floor)	2.0-4.0	SA	11:30	ON	0.1404	0.7020	1.0530	0.0699
CSS 5	Social Science (2nd floor)	2.0-4.0	SA	15:37	OFF	0.1226	0.6130	0.9195	0.0611
CSS 6	Room 207	2.0-4.0	SA	11:38	ON	0.2132	1.0660	1.5990	0.1062
CSS 6	Room 207	2.0-4.0	SA	16:25	OFF	0.2930	1.4650	2.1975	0.1459
CSS 7	Hallway	1-1.5	SA	11:46	ON	0.3220	1.6100	2.4150	0.1604
CSS 7	Hallway	1-1.5	SA	15:45	OFF	0.2703	1.3515	2.0273	0.1346
CSS 8	Room 210	2.0-4.0	SA	11:53	ON	0.3337	1.6685	2.5028	0.1662
CSS 8	Room 210	2.0-4.0	SA	15:51	OFF	0.2689	1.3445	2.0168	0.1339
CSS 9	Room 214	1-1.5	SA	12:01	ON	0.2574	1.2870	1.9305	0.1282
CSS 9	Room 214	1-1.5	SA	15:59	OFF	0.1599	0.7995	1.1993	0.0796
CSS 10	Room 217	1-1.5	SA	12:10	ON	0.2103	1.0515	1.5773	0.1047
CSS 10	Room 217	1-1.5	SA	16:07	OFF	0.1820	0.9100	1.3650	0.0906
CSS 11	Library	1-1.5	SA	12:20	ON	0.2577	1.2885	1.9328	0.1283
CSS 11	Library	1-1.5	SA	16:16	OFF	0.2064	1.0320	1.5480	0.1028
CSS 12	Room 301	2.0-4.0	SA	12:33	ON	0.2796	1.3980	2.0970	0.1392
CSS 12	Room 301	2.0-4.0	SA	16:34	OFF	0.2508	1.2540	1.8810	0.1249
CSS 13	Room 308	2.0-4.0	SA	12:42	ON	0.3992	1.9960	2.9940	0.1988
CSS 13	Room 308	2.0-4.0	SA	16:42	OFF	0.4288	2.1440	3.2160	0.2135
CSS 14	Room 305	2.0-4.0	SA	12:49	ON	0.3988	1.9940	2.9910	0.1986
CSS 14	Room 305	2.0-4.0	SA	16:50	OFF	0.2625	1.3125	1.9688	0.1307
CSS 15	Hallway outside room 314	0.6-1.2	SA	13:02	ON	0.2193	1.0965	1.6448	0.1092
CSS 15	Hallway outside room 314	0.6-1.2	SA	16:58	OFF	0.1796	0.8980	1.3470	0.0894
CSS 16	Room 317	1-1.5	SA	13:10	ON	0.2394	1.1970	1.7955	0.1192
CSS 16	Room 317	1-1.5	SA	17:05	OFF	0.1762	0.8810	1.3215	0.0877
CSS 17	Hallway outside room 315	0.6-1.2	SA	13:17	ON	0.1753	0.8765	1.3148	0.0873
CSS 17	Hallway outside room 315	0.6-1.2	SA	17:13	OFF	0.1402	0.7010	1.0515	0.0698
CSS 18	Work Room (3rd floor)	2.0-4.0	SA	13:25	ON	0.3583	1.7915	2.6873	0.1784
CSS 18	Work Room (3rd floor)	2.0-4.0	SA	17:22	OFF	0.4391	2.1955	3.2933	0.2187
CSS 19	Room 311	1-1.5	SA	13:33	ON	0.3074	1.5370	2.3055	0.1531
CSS 19	Room 311	1-1.5	SA	17:29	OFF	0.3074	1.5370	2.3055	0.1531

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Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
CSS 20	Portable 4	0.3-0.9	SA	13:50	ON	0.4319	2.1595	3.2393	0.2151
CSS 20	Portable 4	0.3-0.9	SA	17:49	OFF	0.3325	1.6625	2.4938	0.1656
CSS 21	Portable 2	0.3-0.9	SA	14:02	ON	0.7140	3.5700	5.3550	0.3556
CSS 21	Portable 2	0.3-0.9	SA	18:02	OFF	0.9490	4.7450	7.1175	0.4726
CSS 22	Hallway outside room 110	0.6-1.2	SA	12:28	ON	0.0206	0.1030	0.1545	0.0103
CSS 22	Hallway outside room 110	0.6-1.2	SA	15:20	OFF	0.0289	0.1445	0.2168	0.0144
CSS 23	Gym	1.5-2	SA	12:37	ON	0.1113	0.5565	0.8348	0.0554
CSS 23	Gym	1.5-2	SA	15:12	OFF	0.0273	0.1365	0.2048	0.0136
CSS 24	Room 100	0.6-1.2	SA	12:46	ON	0.3409	1.7045	2.5568	0.1698
CSS 24	Room 100	0.6-1.2	SA	15:29	OFF	0.1591	0.7955	1.1933	0.0792
CSS 25	Room 105A	0.6-1.2	SA	12:54	ON	0.1568	0.7840	1.1760	0.0781
CSS 25	Room 105A	0.6-1.2	SA	15:37	OFF	0.0331	0.1655	0.2483	0.0165
CSS 26	Room 105B	0.8-1.5	SA	13:02	ON	0.2196	1.0980	1.6470	0.1094
CSS 26	Room 105B	0.8-1.5	SA	15:44	OFF	0.1147	0.5735	0.8603	0.0571
CSS 27	Hallway outside room 114	0.6-1.2	SA	13:10	ON	0.1660	0.8300	1.2450	0.0827
CSS 27	Hallway outside room 114	0.6-1.2	SA	15:52	OFF	0.0312	0.1560	0.2340	0.0155
CSS 28	Room 114	2.0-4.0	SA	13:18	ON	0.1988	0.9940	1.4910	0.0990
CSS 28	Room 114	2.0-4.0	SA	15:59	OFF	0.0976	0.4880	0.7320	0.0486
CSS 29	Auditorium	1.2-1.8	SA	13:26	ON	0.1431	0.7155	1.0733	0.0713
CSS 29	Auditorium	1.2-1.8	SA	16:07	OFF	0.0498	0.2490	0.3735	0.0248
CSS 30	Hallway outside room 113	0.6-1.2	SA	13:35	ON	0.3399	1.6995	2.5493	0.1693
CSS 30	Hallway outside room 113	0.6-1.2	SA	16:30	OFF	0.1139	0.5695	0.8543	0.0567
CSS 31	Room 112	2.0-4.0	SA	13:42	ON	0.2831	1.4155	2.1233	0.1410
CSS 31	Room 112	2.0-4.0	SA	16:37	OFF	0.1446	0.7230	1.0845	0.0720
CSS 32	Café	1-1.5	SA	13:51	ON	0.2983	1.4915	2.2373	0.1486
CSS 32	Café	1-1.5	SA	16:23	OFF	0.1181	0.5905	0.8858	0.0588
CSS 33	Room 107	2.0-4.0	SA	14:02	ON	0.4181	2.0905	3.1358	0.2082
CSS 33	Room 107	2.0-4.0	SA	16:15	OFF	0.2844	1.4220	2.1330	0.1416
CSS 34	Room 111	2.0-4.0	SA	14:12	ON	0.4779	2.3895	3.5843	0.2380
CSS 34	Room 111	2.0-4.0	SA	16:45	OFF	0.2233	1.1165	1.6748	0.1112

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Table 5: Field Measurements
Central Peel Secondary School
Page 1

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
CP 1	General Office (1st Floor)	3.0-5.0	SA	10:43	ON	0.4246	2.1230	3.1845	0.2115
CP 1	General Office (1st Floor)	3.0-5.0	SA	14:42	OFF	0.0496	0.2480	0.3720	0.0247
CP 2	Guidance (1st Floor)	0.6-1.5	SA	10:52	ON	0.1771	0.8855	1.3283	0.0882
CP 2	Guidance (1st Floor)	0.6-1.5	SA	14:50	OFF	0.0854	0.4270	0.6405	0.0425
CP 3	Room 103	N/A	SA	11:01	ON	0.4674	2.3370	3.5055	0.2328
CP 3	Room 103	N/A	SA	15:13	OFF	0.1854	0.9270	1.3905	0.0923
CP 4	Cafeteria	0.3-1.2	SA	11:01	ON	0.4202	2.1010	3.1515	0.2093
CP 4	Cafeteria	0.3-1.2	SA	15:27	OFF	0.0738	0.3690	0.5535	0.0368
CP 5	Room 109	0.6-1.5	SA	11:18	ON	0.3589	1.7945	2.6918	0.1787
CP 5	Room 109	0.6-1.5	SA	15:35	OFF	0.0500	0.2500	0.3750	0.0249
CP 6	Library	0.6-1.5	SA	11:26	ON	0.2972	1.4860	2.2290	0.1480
CP 6	Library	0.6-1.5	SA	15:43	OFF	0.0605	0.3025	0.4538	0.0301
CP 7	Hall outside 113	0.6-1.5	SA	11:34	ON	0.2369	1.1845	1.7768	0.1180
CP 7	Hall outside 113	0.6-1.5	SA	15:51	OFF	0.0415	0.2075	0.3113	0.0207
CP 8	Room 115	0.9-1.8	SA	11:41	ON	0.3324	1.6620	2.4930	0.1655
CP 8	Room 115	0.9-1.8	SA	15:58	OFF	0.0390	0.1950	0.2925	0.0194
CP 9	Room 117	0.9-1.8	SA	11:51	ON	0.3718	1.8590	2.7885	0.1852
CP 9	Room 117	0.9-1.8	SA	16:07	OFF	0.0378	0.1890	0.2835	0.0188
CP 10	Room 119	0.9-1.8	SA	12:00	ON	0.4681	2.3405	3.5108	0.2331
CP 10	Room 119	0.9-1.8	SA	16:15	OFF	0.1330	0.6650	0.9975	0.0662
CP 11	Geo. Office (1st Floor)	0.6-1.5	SA	12:08	ON	0.4777	2.3885	3.5828	0.2379
CP 11	Geo. Office (1st Floor)	0.6-1.5	SA	16:23	OFF	0.0812	0.4060	0.6090	0.0404
CP 12	Room 118	0.9-1.8	SA	12:17	ON	0.4543	2.2715	3.4073	0.2262
CP 12	Room 118	0.9-1.8	SA	16:30	OFF	0.0373	0.1865	0.2798	0.0186
CP 13	Room 123	0.9-1.8	SA	12:25	ON	0.3805	1.9025	2.8538	0.1895
CP 13	Room 123	0.9-1.8	SA	16:39	OFF	0.0745	0.3725	0.5588	0.0371
CP 14	Tech. Office (1st Floor)	0.9-1.8	SA	12:35	ON	0.3901	1.9505	2.9258	0.1943
CP 14	Tech. Office (1st Floor)	0.9-1.8	SA	16:56	OFF	0.0613	0.3065	0.4598	0.0305
CP 15	Room 131	1.2-2.1	SA	12:43	ON	0.4008	2.0040	3.0060	0.1996
CP 15	Room 131	1.2-2.1	SA	17:03	OFF	0.1422	0.7110	1.0665	0.0708
CP 16	Hall outside washroom	0.6-1.5	SA	12:54	ON	0.3523	1.7615	2.6423	0.1754
CP 16	Hall outside washroom	0.6-1.5	SA	17:20	OFF	0.0495	0.2475	0.3713	0.0247
CP 17	Auditorium	2.1-3.0	SA	13:08	ON	0.4381	2.1905	3.2858	0.2182
CP 17	Auditorium	2.1-3.0	SA	17:38	OFF	0.1921	0.9605	1.4408	0.0957
CP 18	Gym C	0.3- 1.2	SA	13:22	ON	0.5010	2.5050	3.7575	0.2495
CP 18	Gym C	0.3- 1.2	SA	16:47	OFF	0.3664	1.8320	2.7480	0.1825
CP 19	Room 134	0.6-1.5	SA	13:31	ON	0.2487	1.2435	1.8653	0.1239
CP 19	Room 134	0.6-1.5	SA	17:12	OFF	0.0606	0.3030	0.4545	0.0302

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Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
CP 20	Room 147	0.3-1.2	SA	13:56	ON	0.0735	0.3675	0.5513	0.0366
CP 20	Room 147	0.3-1.2	SA	17:28	OFF	0.0649	0.3245	0.4868	0.0323
CP 21	Annex General Office	0.9-1.8	SA	10:44	ON	0.6273	3.1365	4.7048	0.3124
CP 21	Annex General Office	0.9-1.8	SA	15:20	OFF	1.0820	5.4100	8.1150	0.5388
CP 22	Annex Teaching Space	0.9-1.8	SA	10:52	ON	0.2402	1.2010	1.8015	0.1196
CP 22	Annex Teaching Space	0.9-1.8	SA	15:12	OFF	1.1500	5.7500	8.6250	0.5727
CP 23	Portable 7	0.3-1.2	SA	11:03	ON	0.3694	1.8470	2.7705	0.1840
CP 23	Portable 7	0.3-1.2	SA	14:56	OFF	0.2012	1.0060	1.5090	0.1002
CP 24	Portable 1	0.3-1.2	SA	11:16	ON	0.7480	3.7400	5.6100	0.3725
CP 24	Portable 1	0.3-1.2	SA	15:04	OFF	0.3362	1.6810	2.5215	0.1674
CP 25	Room 207	0.6-1.5	SA	11:31	ON	0.6498	3.2490	4.8735	0.3236
CP 25	Room 207	0.6-1.5	SA	15:46	OFF	0.3898	1.9490	2.9235	0.1941
CP 26	Room 206	0.6-1.5	SA	11:42	ON	0.1445	0.7225	1.0838	0.0720
CP 26	Room 206	0.6-1.5	SA	15:39	OFF	0.4226	2.1130	3.1695	0.2105
CP 27	Room 203	0.9-1.8	SA	11:50	ON	0.3142	1.5710	2.3565	0.1565
CP 27	Room 203	0.9-1.8	SA	15:31	OFF	0.6599	3.2995	4.9493	0.3286
CP 28	Room 211	0.9-1.8	SA	11:58	ON	0.2210	1.1050	1.6575	0.1101
CP 28	Room 211	0.9-1.8	SA	15:54	OFF	0.2270	1.1350	1.7025	0.1130
CP 29	Hall outside 210	0.6-1.5	SA	12:06	ON	0.2911	1.4555	2.1833	0.1450
CP 29	Hall outside 210	0.6-1.5	SA	16:01	OFF	0.3380	1.6900	2.5350	0.1683
CP 30	Room 214	0.9-1.8	SA	12:14	ON	0.2633	1.3165	1.9748	0.1311
CP 30	Room 214	0.9-1.8	SA	16:08	OFF	0.3192	1.5960	2.3940	0.1590
CP 31	Room 222	0.9-1.8	SA	12:31	ON	0.3217	1.6085	2.4128	0.1602
CP 31	Room 222	0.9-1.8	SA	16:31	OFF	0.4453	2.2265	3.3398	0.2218
CP 32	Room 225	0.9-1.8	SA	12:39	ON	0.4139	2.0695	3.1043	0.2061
CP 32	Room 225	0.9-1.8	SA	16:39	OFF	0.3766	1.8830	2.8245	0.1875
CP 33	Room 229	0.9-1.8	SA	12:48	ON	0.3329	1.6645	2.4968	0.1658
CP 33	Room 229	0.9-1.8	SA	16:46	OFF	0.3770	1.8850	2.8275	0.1877
CP 34	Hall outside 214	0.6-1.5	SA	12:56	ON	0.3827	1.9135	2.8703	0.1906
CP 34	Hall outside 214	0.6-1.5	SA	16:15	OFF	0.3486	1.7430	2.6145	0.1736
CP 35	Music Office (1st Floor)	0.9-1.8	SA	13:53	ON	0.0226	0.1130	0.1695	0.0113
CP 35	Music Office (1st Floor)	0.9-1.8	SA	16:57	OFF	0.3193	1.5965	2.3948	0.1590
CP 36	Room 219	2.0-4.0	SA	14:06	ON	0.1012	0.5060	0.7590	0.0504
CP 36	Room 219	2.0-4.0	SA	16:23	OFF	0.4730	2.3650	3.5475	0.2356

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Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
DD 1	General Office	2.0-4.0	SA	13:10	ON	0.7297	3.6485	5.4728	0.3634
DD 1	General Office	2.0-4.0	SA	15:21	OFF	0.2520	1.2600	1.8900	0.1255
DD 2	Room A4	2.0-4.0	SA	13:18	ON	0.5041	2.5205	3.7808	0.2510
DD 2	Room A4	2.0-4.0	SA	15:29	OFF	0.2587	1.2935	1.9403	0.1288
DD 3	Library	2.0-4.0	SA	13:26	ON	0.4174	2.0870	3.1305	0.2079
DD 3	Library	2.0-4.0	SA	15:38	OFF	0.0768	0.3840	0.5760	0.0382
DD 4	Room B3	2.0-4.0	SA	13:35	ON	0.6972	3.4860	5.2290	0.3472
DD 4	Room B3	2.0-4.0	SA	15:47	OFF	0.3213	1.6065	2.4098	0.1600
DD 5	Hallway outside C5	2.0-5.0	SA	13:45	ON	0.4778	2.3890	3.5835	0.2379
DD 5	Hallway outside C5	2.0-5.0	SA	16:03	OFF	0.2347	1.1735	1.7603	0.1169
DD 6	Room C1	2.0-4.0	SA	13:53	ON	0.6687	3.3435	5.0153	0.3330
DD 6	Room C1	2.0-4.0	SA	15:55	OFF	0.2231	1.1155	1.6733	0.1111
DD 7	Room C4	2.0-4.0	SA	14:01	ON	0.7868	3.9340	5.9010	0.3918
DD 7	Room C4	2.0-4.0	SA	16:10	OFF	0.4001	2.0005	3.0008	0.1992
DD 8	Room D6	3.0-5.0	SA	14:12	ON	0.5594	2.7970	4.1955	0.2786
DD 8	Room D6	3.0-5.0	SA	16:19	OFF	0.2186	1.0930	1.6395	0.1089
DD 9	Room D2	2.0-4.0	SA	14:42	ON	0.0943	0.4715	0.7073	0.0470
DD 9	Room D2	N/A	SA	16:28	OFF	0.3019	1.5095	2.2643	0.1503
DD 10	Portable	1.0-4.0	SA	14:58	ON	0.2224	1.1120	1.6680	0.1108
DD 10	Portable	1.0-4.0	SA	16:39	OFF	0.2254	1.1270	1.6905	0.1122

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 Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
FB 1	General Office (1st Floor)	0.6-1.5	SA	12:08	ON	1.0410	5.2050	7.8075	0.5184
FB 1	General Office (1st Floor)	0.6-1.5	SA	15:40	OFF	0.6883	3.4415	5.1623	0.3428
FB 2	Staffroom (1st Floor)	3.0-5.0	SA	12:16	ON	0.7039	3.5195	5.2793	0.3505
FB 2	Staffroom (1st Floor)	3.0-5.0	SA	15:48	OFF	0.4143	2.0715	3.1073	0.2063
FB 3	Work Room (1st Floor)	3.0-5.0	SA	12:25	ON	0.6490	3.2450	4.8675	0.3232
FB 3	Work Room (1st Floor)	3.0-5.0	SA	15:56	OFF	0.2491	1.2455	1.8683	0.1241
FB 4	Room 110	3.0-5.0	SA	12:35	ON	0.0034	0.0170	0.0255	0.0017
FB 4	Room 110	3.0-5.0	SA	16:33	OFF	0.0177	0.0885	0.1328	0.0088
FB 5	Room 114	2.0-4.0	SA	12:44	ON	0.0885	0.4425	0.6638	0.0441
FB 5	Room 114	2.0-4.0	SA	16:42	OFF	0.2624	1.3120	1.9680	0.1307
FB 6	Hall outside 120	0.6-1.5	SA	12:52	ON	0.0569	0.2845	0.4268	0.0283
FB 6	Hall outside 120	0.6-1.5	SA	16:17	OFF	0.0300	0.1500	0.2250	0.0149
FB 7	Room 123	3.0-5.0	SA	13:02	ON	0.0902	0.4510	0.6765	0.0449
FB 7	Room 123	3.0-5.0	SA	16:25	OFF	0.0428	0.2140	0.3210	0.0213
FB 8	Room 101	3.0-5.0	SA	13:11	ON	0.4002	2.0010	3.0015	0.1993
FB 8	Room 101	3.0-5.0	SA	16:09	OFF	0.1055	0.5275	0.7913	0.0525
FB 9	Room 210	2.0-4.0	SA	13:26	ON	0.1742	0.8710	1.3065	0.0868
FB 9	Room 210	2.0-4.0	SA	16:53	OFF	0.2334	1.1670	1.7505	0.1162
FB 10	Hall outside 204	0.6-1.5	SA	13:25	ON	0.2936	1.4680	2.2020	0.1462
FB 10	Hall outside 204	0.6-1.5	SA	17:02	OFF	0.1824	0.9120	1.3680	0.0908
FB 11	Room 204	2.0-4.0	SA	13:43	ON	0.3084	1.5420	2.3130	0.1536
FB 11	Room 204	2.0-4.0	SA	17:09	OFF	0.3678	1.8390	2.7585	0.1832
FB 12	Library	0.9-1.8	SA	13:51	ON	0.2333	1.1665	1.7498	0.1162
FB 12	Library	0.9-1.8	SA	17:20	OFF	0.1081	0.5405	0.8108	0.0538
FB 13	Room 202	2.0-4.0	SA	14:01	ON	0.4394	2.1970	3.2955	0.2188
FB 13	Room 202	2.0-4.0	SA	17:28	OFF	0.2935	1.4675	2.2013	0.1462
FB 14	Portable	0.3-1.2	SA	15:21	ON	0.3988	1.9940	2.9910	0.1986
FB 14	Portable	0.3-1.2	SA	15:28	OFF	0.2581	1.2905	1.9358	0.1285

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Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
FM 1	General Office	1-1.5	SA	12:52	ON	0.1106	0.5530	0.8295	0.0551
FM 1	General Office	1-1.5	SA	15:23	OFF	0.0111	0.0555	0.0833	0.0055
FM 2	Cafetorium	1.5-2	SA	1:01	ON	0.7770	3.8850	5.8275	0.3869
FM 2	Cafetorium	1.5-2	SA	15:31	OFF	0.0067	0.0335	0.0503	0.0033
FM 3	Hallway (outside room 203)	1-1.5	SA	13:12	ON	0.3345	1.6725	2.5088	0.1666
FM 3	Hallway (outside room 203)	1-1.5	SA	15:39	OFF	0.1846	0.9230	1.3845	0.0919
FM 4	Room 105	3.0-5.0	SA	13:19	ON	0.5077	2.5385	3.8078	0.2528
FM 4	Room 105	3.0-5.0	SA	15:47	OFF	0.3057	1.5285	2.2928	0.1522
FM 5	Room 108	1-1.5	SA	13:28	ON	0.4382	2.1910	3.2865	0.2182
FM 5	Room 108	1-1.5	SA	15:54	OFF	0.2425	1.2125	1.8188	0.1208
FM 6	Room 201	3.0-5.0	SA	13:42	ON	0.6626	3.3130	4.9695	0.3300
FM 6	Room 201	3.0-5.0	SA	16:03	OFF	0.3282	1.6410	2.4615	0.1634
FM 7	Room 205	1-1.5	SA	13:51	ON	0.3541	1.7705	2.6558	0.1763
FM 7	Room 205	1-1.5	SA	16:11	OFF	0.0978	0.4890	0.7335	0.0487
FM 8	Hallway (outside room 208)	1-1.5	SA	14:07	ON	0.4552	2.2760	3.4140	0.2267
FM 8	Hallway (outside room 208)	1-1.5	SA	16:19	OFF	0.0790	0.3950	0.5925	0.0393
FM9	Room 209	1-1.5	SA	14:15	ON	0.4045	2.0225	3.0338	0.2014
FM9	Room 209	1-1.5	SA	16:28	OFF	0.1290	0.6450	0.9675	0.0642
FM 10	Room 213	1-1.5	SA	14:23	ON	0.3919	1.9595	2.9393	0.1952
FM 10	Room 213	1-1.5	SA	16:36	OFF	0.1464	0.7320	1.0980	0.0729
FM 11	Room 222	2.0-4.0	SA	14:33	ON	0.4614	2.3070	3.4605	0.2298
FM 11	Room 222	2.0-4.0	SA	16:45	OFF	0.2475	1.2375	1.8563	0.1233
FM 12	Room 218	2.0-4.0	SA	14:42	ON	0.5306	2.6530	3.9795	0.2642
FM 12	Room 218	2.0-4.0	SA	16:53	OFF	0.2727	1.3635	2.0453	0.1358
FM 13	Library	3-3.5	SA	14:50	ON	0.3963	1.9815	2.9723	0.1974
FM 13	Library	3-3.5	SA	17:01	OFF	0.1166	0.5830	0.8745	0.0581
FM 14	Room 307	2.0-4.0	SA	12:29	ON	0.1762	0.8810	1.3215	0.0877
FM 14	Room 307	2.0-4.0	SA	16:15	OFF	0.4595	2.2975	3.4463	0.2288
FM 15	Hallway (outside room 306)	1-1.5	SA	12:37	ON	0.2480	1.2400	1.8600	0.1235
FM 15	Hallway (outside room 306)	1-1.5	SA	16:22	OFF	0.5870	2.9350	4.4025	0.2923
FM 16	Hallway (outside room 311)	1-1.5	SA	12:46	ON	0.2418	1.2090	1.8135	0.1204
FM 16	Hallway (outside room 311)	1-1.5	SA	16:30	OFF	0.5768	2.8840	4.3260	0.2872
FM17	Room 313	2.0-4.0	SA	12:55	ON	0.3461	1.7305	2.5958	0.1724
FM17	Room 313	2.0-4.0	SA	16:37	OFF	0.6256	3.1280	4.6920	0.3115
FM 18	Room 318	3.0-5.0	SA	13:04	ON	0.3097	1.5485	2.3228	0.1542
FM 18	Room 318	3.0-5.0	SA	16:44	OFF	0.5451	2.7255	4.0883	0.2715
FM 19	Hallway (outside room 322)	1-1.5	SA	13:12	ON	0.4148	2.0740	3.1110	0.2066
FM 19	Hallway (outside room 322)	1-1.5	SA	16:52	OFF	0.5654	2.8270	4.2405	0.2816

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FM 20	Room 324	1-1.5	SA	13:20	ON	0.4996	2.4980	3.7470	0.2488
FM 20	Room 324	1-1.5	SA	16:59	OFF	0.6010	3.0050	4.5075	0.2993
FM 21	Room 329	2.0-4.0	SA	13:32	ON	0.4793	2.3965	3.5948	0.2387
FM 21	Room 329	2.0-4.0	SA	17:07	OFF	0.5871	2.9355	4.4033	0.2924
FM 22	Room 114	1-1.5	SA	13:44	ON	0.5758	2.8790	4.3185	0.2867
FM 22	Room 114	1-1.5	SA	16:04	OFF	0.5400	2.7000	4.0500	0.2689
FM 23	Staff Work Room 3	3.0-5.0	SA	13:53	ON	0.5000	2.5000	3.7500	0.2490
FM 23	Staff Work Room 3	3.0-5.0	SA	15:56	OFF	0.7705	3.8525	5.7788	0.3837
FM 24	West Portable #2	0.6-1.2	SA	14:06	ON	0.4072	2.0360	3.0540	0.2028
FM 24	West Portable #2	0.6-1.2	SA	13:47	OFF	0.5032	2.5160	3.7740	0.2506
FM 25	South Portable #9	0.6-1.2	SA	14:21	ON	0.7491	3.7455	5.6183	0.3731
FM 25	South Portable #9	0.6-1.2	SA	15:37	OFF	0.3561	1.7805	2.6708	0.1773

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G 1	Hall outside Gym	0.6-1.5	SA	11:05	ON	0.2211	1.1055	1.6583	0.1101
G 1	Hall outside Gym	0.6-1.5	SA	16:23	OFF	0.1779	0.8895	1.3343	0.0886
G2	Gym	0.9-1.8	SA	11:13	ON	0.0669	0.3345	0.5018	0.0333
G2	Gym	0.9-1.8	SA	16:31	OFF	0.1357	0.6785	1.0178	0.0676
G3	Room 106	0.6-1.5	SA	11:30	ON	0.3491	1.7455	2.6183	0.1739
G3	Room 106	0.6-1.5	SA	15:56	OFF	0.2311	1.1555	1.7333	0.1151
G 4	Room 114	0.6-1.5	SA	11:42	ON	0.2329	1.1645	1.7468	0.1160
G 4	Room 114	0.6-1.5	SA	15:15	OFF	0.0508	0.2540	0.3810	0.0253
G 5	Room 115A	0.6-1.5	SA	11:49	ON	0.3225	1.6125	2.4188	0.1606
G 5	Room 115A	0.6-1.5	SA	15:24	OFF	0.1257	0.6285	0.9428	0.0626
G 6	Room 102	3.0-5.0	SA	11:57	ON	0.3482	1.7410	2.6115	0.1734
G 6	Room 102	3.0-5.0	SA	15:31	OFF	0.1353	0.6765	1.0148	0.0674
G 7	Guidance Office (1st Floor)	0.9-1.8	SA	12:06	ON	0.4358	2.1790	3.2685	0.2170
G 7	Guidance Office (1st Floor)	0.9-1.8	SA	15:39	OFF	0.2249	1.1245	1.6868	0.1120
G 8	General Office (1st Floor)	0.6-1.5	SA	12:14	ON	0.4082	2.0410	3.0615	0.2033
G 8	General Office (1st Floor)	0.6-1.5	SA	13:47	OFF	0.1909	0.9545	1.4318	0.0951
G 9	Room 112	0.6-1.5	SA	12:42	ON	0.0635	0.3175	0.4763	0.0316
G 9	Room 112	0.6-1.5	SA	16:05	OFF	0.2413	1.2065	1.8098	0.1202
G 10	Auditorium	1.5-2.1	SA	12:51	ON	0.0705	0.3525	0.5288	0.0351
G 10	Auditorium	1.5-2.1	SA	16:14	OFF	0.2929	1.4645	2.1968	0.1459
G 11	Room 131	0.6-1.5	SA	13:00	ON	0.0532	0.2660	0.3990	0.0265
G 11	Room 131	0.6-1.5	SA	16:40	OFF	0.3445	1.7225	2.5838	0.1716
G 12	Library	3.0-3.9	SA	13:08	ON	0.0860	0.4300	0.6450	0.0428
G 12	Library	3.0-3.9	SA	16:49	OFF	0.3203	1.6015	2.4023	0.1595
G 13	Cafeteria	1.5-2.4	SA	13:17	ON	0.1479	0.7395	1.1093	0.0737
G 13	Cafeteria	1.5-2.4	SA	16:57	OFF	0.2384	1.1920	1.7880	0.1187
G 14	Room 137	0.6-1.5	SA	13:26	ON	0.0578	0.2890	0.4335	0.0288
G 14	Room 137	0.6-1.5	SA	17:13	OFF	0.1726	0.8630	1.2945	0.0860
G 15	Staff Room (1st Floor)	1.8-2.4	SA	13:34	ON	0.1348	0.6740	1.0110	0.0671
G 15	Staff Room (1st Floor)	1.8-2.4	SA	17:20	OFF	0.3270	1.6350	2.4525	0.1628
G 16	Room 135	0.6-1.5	SA	13:42	ON	0.1467	0.7335	1.1003	0.0731
G 16	Room 135	0.6-1.5	SA	17:05	OFF	0.1508	0.7540	1.1310	0.0751
G 17	Room 124	0.6-1.5	SA	13:51	ON	0.0477	0.2385	0.3578	0.0238
G 17	Room 124	0.6-1.5	SA	18:02	OFF	0.1806	0.9030	1.3545	0.0899
G 18	Room 139	0.9-1.8	SA	14:04	ON	0.1797	0.8985	1.3478	0.0895
G 18	Room 139	0.9-1.8	SA	17:36	OFF	0.2790	1.3950	2.0925	0.1389
G19	Room 144	3.0-5.0	SA	14:13	ON	0.4213	2.1065	3.1598	0.2098
G19	Room 144	3.0-5.0	SA	17:53	OFF	0.3679	1.8395	2.7593	0.1832

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G 20	Room 142	0.6-1.5	SA	14:21	ON	0.0745	0.3725	0.5588	0.0371
G 20	Room 142	0.6-1.5	SA	17:45	OFF	0.1539	0.7695	1.1543	0.0766
G 21	Hallway outside storage room	0.6-1.5	SA	14:32	ON	0.1781	0.8905	1.3358	0.0887
G 21	Hallway outside storage room	0.6-1.5	SA	17:28	OFF	0.2914	1.4570	2.1855	0.1451
G 22	Room 108	2.0-4.0	SA	11:53	ON	0.5508	2.7540	4.1310	0.2743
G 22	Room 108	2.0-4.0	SA	15:56	OFF	0.2400	1.2000	1.8000	0.1195
G 23	Room 128	0.9-2.1	SA	12:07	ON	0.4846	2.4230	3.6345	0.2413
G 23	Room 128	0.9-2.1	SA	15:43	OFF	0.9629	4.8145	7.2218	0.4795
G 24	Exercise Room (2nd Floor)	0.9-2.1	SA	12:32	ON	0.0035	0.0175	0.0263	0.0017
G 24	Exercise Room (2nd Floor)	0.9-2.1	SA	16:06	OFF	0.1152	0.5760	0.8640	0.0574
G 25	Room 217	0.6-1.5	SA	12:49	ON	0.1276	0.6380	0.9570	0.0635
G 25	Room 217	0.6-1.5	SA	17:32	OFF	0.2847	1.4235	2.1353	0.1418
G 26	Business Office (2nd Floor)	0.6-1.5	SA	12:59	ON	0.0387	0.1935	0.2903	0.0193
G 26	Business Office (2nd Floor)	0.6-1.5	SA	17:24	OFF	0.2685	1.3425	2.0138	0.1337
G 27	Room 218	0.6-1.5	SA	13:07	ON	0.1368	0.6840	1.0260	0.0681
G 27	Room 218	0.6-1.5	SA	17:15	OFF	0.3430	1.7150	2.5725	0.1708
G 28	Room 219	0.9-1.8	SA	13:16	ON	0.2105	1.0525	1.5788	0.1048
G 28	Room 219	0.9-1.8	SA	16:59	OFF	0.5102	2.5510	3.8265	0.2541
G 29	Math Office (2nd Floor)	0.9-1.8	SA	13:25	ON	0.2379	1.1895	1.7843	0.1185
G 29	Math Office (2nd Floor)	0.9-1.8	SA	16:33	OFF	0.4157	2.0785	3.1178	0.2070
G 30	Room 211	0.6-1.5	SA	13:35	ON	0.0825	0.4125	0.6188	0.0411
G 30	Room 211	0.6-1.5	SA	16:42	OFF	0.2142	1.0710	1.6065	0.1067
G 31	Room 223	2.0-4.0	SA	13:43	ON	0.1297	0.6485	0.9728	0.0646
G 31	Room 223	2.0-4.0	SA	16:24	OFF	0.2824	1.4120	2.1180	0.1406
G 32	Room 213	0.9-1.8	SA	13:55	ON	0.1378	0.6890	1.0335	0.0686
G 32	Room 213	0.9-1.8	SA	16:51	OFF	0.2410	1.2050	1.8075	0.1200
G 33	Room 214	0.9-1.8	SA	14:04	ON	0.3039	1.5195	2.2793	0.1513
G 33	Room 214	0.9-1.8	SA	17:08	OFF	0.4178	2.0890	3.1335	0.2081
G 34	Room 208	2.0-4.0	SA	14:15	ON	0.1527	0.7635	1.1453	0.0760
G 34	Room 208	2.0-4.0	SA	16:15	OFF	0.2957	1.4785	2.2178	0.1473
G 35	Portable 3	0.3-1.2	SA	15:03	ON	0.7364	3.6820	5.5230	0.3667
G 35	Portable 3	0.3-1.2	SA	15:29	OFF	0.1710	0.8550	1.2825	0.0852
G 36	Portable 9	0.3-1.2	SA	15:12	ON	0.3299	1.6495	2.4743	0.1643
G 36	Portable 9	0.3-1.2	SA	15:20	OFF	0.3952	1.9760	2.9640	0.1968

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HC 1	Hall outside VP office	0.9-2.1	SA	12:37	ON	0.1851	0.9255	1.3883	0.0922
HC 1	Hall outside VP office	0.9-2.1	SA	16:17	OFF	0.0877	0.4385	0.6578	0.0437
HC 2	Room 103	0.9-2.1	SA	12:45	ON	0.0649	0.3245	0.4868	0.0323
HC 2	Room 103	0.9-2.1	SA	16:25	OFF	0.0758	0.3790	0.5685	0.0377
HC 3	Room 102	0.6-1.5	SA	12:53	ON	0.1635	0.8175	1.2263	0.0814
HC 3	Room 102	0.6-1.5	SA	16:34	OFF	0.0590	0.2950	0.4425	0.0294
HC 4	Staff Room (1st Floor)	0.6-1.5	SA	13:02	ON	0.2441	1.2205	1.8308	0.1216
HC 4	Staff Room (1st Floor)	0.6-1.5	SA	16:09	OFF	0.3936	1.9680	2.9520	0.1960
HC 5	Office (1st Floor)	N/A	SA	13:11	ON	0.4005	2.0025	3.0038	0.1994
HC 5	Office (1st Floor)	N/A	SA	16:01	OFF	0.5874	2.9370	4.4055	0.2925
HC 6	Hall outside 110	0.9-2.1	SA	13:19	ON	0.2023	1.0115	1.5173	0.1007
HC 6	Hall outside 110	0.9-2.1	SA	16:44	OFF	0.2644	1.3220	1.9830	0.1317
HC 7	Room 112	2.0-4.0	SA	13:28	ON	0.4481	2.2405	3.3608	0.2232
HC 7	Room 112	2.0-4.0	SA	16:52	OFF	0.3057	1.5285	2.2928	0.1522
HC 8	Room 116/117	0.9-2.1	SA	13:37	ON	0.3217	1.6085	2.4128	0.1602
HC 8	Room 116/117	0.9-2.1	SA	16:02	OFF	0.1955	0.9775	1.4663	0.0974
HC 9	Room 122	0.9-2.1	SA	13:37	ON	0.2284	1.1420	1.7130	0.1137
HC 9	Room 122	0.9-2.1	SA	17:11	OFF	0.1645	0.8225	1.2338	0.0819
HC 10	Room 125	0.9-2.1	SA	13:55	ON	0.4840	2.4200	3.6300	0.2410
HC 10	Room 125	0.9-2.1	SA	17:18	OFF	0.3078	1.5390	2.3085	0.1533
HC 11	Room 203	0.9-2.1	SA	14:10	ON	0.4186	2.0930	3.1395	0.2085
HC 11	Room 203	0.9-2.1	SA	17:31	OFF	0.4063	2.0315	3.0473	0.2023
HC 12	Room 202	0.9-2.1	SA	14:18	ON	0.4615	2.3075	3.4613	0.2298
HC 12	Room 202	0.9-2.1	SA	17:39	OFF	0.3499	1.7495	2.6243	0.1743
HC 13	Room 205	0.9-2.1	SA	14:27	ON	0.3756	1.8780	2.8170	0.1870
HC 13	Room 205	0.9-2.1	SA	17:53	OFF	0.3158	1.5790	2.3685	0.1573
HC 14	Room 208	0.9-2.1	SA	14:53	ON	0.2914	1.4570	2.1855	0.1451
HC 14	Room 208	0.9-2.1	SA	17:46	OFF	0.1453	0.7265	1.0898	0.0724
HC 15	Portable 2	0.3-1.2	SA	15:39	ON	0.5130	2.5650	3.8475	0.2555
HC 15	Portable 2	0.3-1.2	SA	15:49	OFF	0.3510	1.7550	2.6325	0.1748

AP = Access Point
 SA = Spatial Average
 Revised October 2015

Table 11: Field Measurements
Hillcrest Middle School
Page 1

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
HMS 1	General Office	3.0-5.0	SA	12:06	ON	0.4004	2.0020	3.0030	0.1994
HMS 1	General Office	3.0-5.0	SA	15:14	OFF	0.0304	0.1520	0.2280	0.0151
HMS 2	Hallway outside Room 208	1-1.5	SA	12:15	ON	0.3199	1.5995	2.3993	0.1593
HMS 2	Hallway outside Room 208	1-1.5	SA	15:23	OFF	0.0466	0.2330	0.3495	0.0232
HMS 3	Room 203	Outside door 0.3 m	SA	12:28	ON	0.2903	1.4515	2.1773	0.1446
HMS 3	Room 203	Outside door 0.3 m	SA	15:30	OFF	0.0183	0.0915	0.1373	0.0091
HMS 4	Hallway outside Room 308	1-1.5	SA	12:37	ON	0.5672	2.8360	4.2540	0.2825
HMS 4	Hallway outside Room 308	1-1.5	SA	15:46	OFF	0.2043	1.0215	1.5323	0.1017
HMS 5	Room 310	3.0-5.0	SA	12:46	ON	0.6006	3.0030	4.5045	0.2991
HMS 5	Room 310	3.0-5.0	SA	15:53	OFF	0.1826	0.9130	1.3695	0.0909
HMS 6	Room 303	3.0-5.0	SA	12:37	ON	0.5449	2.7245	4.0868	0.2714
HMS 6	Room 303	3.0-5.0	SA	16:02	OFF	0.0942	0.4710	0.7065	0.0469
HMS 7	Room 302	2.0-4.0	SA	13:04	ON	0.5670	2.8350	4.2525	0.2824
HMS 7	Room 302	2.0-4.0	SA	16:09	OFF	0.1471	0.7355	1.1033	0.0733
HMS 8	Room 202	3.0-5.0	SA	13:14	ON	0.6040	3.0200	4.5300	0.3008
HMS 8	Room 202	3.0-5.0	SA	15:38	OFF	0.1334	0.6670	1.0005	0.0664
HMS 9	Room 210	2.0-4.0	SA	13:24	ON	0.6432	3.2160	4.8240	0.3203
HMS 9	Room 210	2.0-4.0	SA	16:18	OFF	0.1754	0.8770	1.3155	0.0873
HMS 10	Gym	1.5-2	SA	13:33	ON	0.4517	2.2585	3.3878	0.2249
HMS 10	Gym	1.5-2	SA	17:01	OFF	0.1530	0.7650	1.1475	0.0762
HMS 11	Room 108	2.0-4.0	SA	13:44	ON	0.5980	2.9900	4.4850	0.2978
HMS 11	Room 108	2.0-4.0	SA	16:53	OFF	0.1133	0.5665	0.8498	0.0564
HMS 12	Library	1.5-1.8	SA	13:52	ON	0.6310	3.1550	4.7325	0.3142
HMS 12	Library	1.5-1.8	SA	16:46	OFF	0.1579	0.7895	1.1843	0.0786
HMS 13	Hallway outside Room 103	1.2-1.5	SA	14:02	ON	0.4803	2.4015	3.6023	0.2392
HMS 13	Hallway outside Room 103	1.2-1.5	SA	16:38	OFF	0.1374	0.6870	1.0305	0.0684
HMS 14	Room 103	2.0-4.0	SA	14:10	ON	0.7011	3.5055	5.2583	0.3491
HMS 14	Room 103	2.0-4.0	SA	16:31	OFF	0.1023	0.5115	0.7673	0.0509
HMS 15	Portable	0.9-1.2	SA	14:22	ON	0.5652	2.8260	4.2390	0.2815
HMS 15	Portable	0.9-1.2	SA	14:30	OFF	0.6539	3.2695	4.9043	0.3256

AP = Access Point
SA = Spatial Average
Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
HV 1	Staff Room	4.0-6.0	SA	10:58	ON	0.2391	1.1955	1.7933	0.1191
HV 1	Staff Room	4.0-6.0	SA	18:12	OFF	0.1378	0.6890	1.0335	0.0686
HV 2	Hall outside guidance	0.3- 1.2	SA	11:08	ON	0.1802	0.9010	1.3515	0.0897
HV 2	Hall outside guidance	0.3- 1.2	SA	18:05	OFF	0.1202	0.6010	0.9015	0.0599
HV 3	Guidance Office	0.3- 1.2	SA	11:18	ON	0.3362	1.6810	2.5215	0.1674
HV 3	Guidance Office	0.3- 1.2	SA	17:56	OFF	0.1587	0.7935	1.1903	0.0790
HV 4	General Office (1st Floor)	0.3- 1.2	SA	11:28	ON	0.4360	2.1800	3.2700	0.2171
HV 4	General Office (1st Floor)	0.3- 1.2	SA	17:48	OFF	0.2099	1.0495	1.5743	0.1045
HV 5	Room 101	0.9-1.8	SA	11:39	ON	0.2983	1.4915	2.2373	0.1486
HV 5	Room 101	0.9-1.8	SA	17:31	OFF	0.2105	1.0525	1.5788	0.1048
HV 6	Room 104	3.0-5.0	SA	11:48	ON	0.4137	2.0685	3.1028	0.2060
HV 6	Room 104	3.0-5.0	SA	17:40	OFF	0.1943	0.9715	1.4573	0.0968
HV 7	Room 106	1.2-2.1	SA	11:58	ON	0.4856	2.4280	3.6420	0.2418
HV 7	Room 106	1.2-2.1	SA	17:14	OFF	0.1552	0.7760	1.1640	0.0773
HV 8	Room 108	1.2-2.1	SA	12:12	ON	0.2872	1.4360	2.1540	0.1430
HV 8	Room 108	1.2-2.1	SA	17:22	OFF	0.1038	0.5190	0.7785	0.0517
HV 9	Room 109	1.2-2.1	SA	12:22	ON	0.4996	2.4980	3.7470	0.2488
HV 9	Room 109	1.2-2.1	SA	16:54	OFF	0.3304	1.6520	2.4780	0.1645
HV 10	Room 111	1.8-2.7	SA	12:31	ON	0.3970	1.9850	2.9775	0.1977
HV 10	Room 111	1.8-2.7	SA	17:03	OFF	0.1754	0.8770	1.3155	0.0873
HV 11	Library	1.2-2.1	SA	13:26	ON	0.0348	0.1740	0.2610	0.0173
HV 11	Library	1.2-2.1	SA	16:43	OFF	0.2187	1.0935	1.6403	0.1089
HV 12	Cafeteria	1.2-2.1	SA	13:34	ON	0.0338	0.1690	0.2535	0.0168
HV 12	Cafeteria	1.2-2.1	SA	16:33	OFF	0.1449	0.7245	1.0868	0.0722
HV 13	Room 118	1.8-2.7	SA	13:44	ON	0.0661	0.3305	0.4958	0.0329
HV 13	Room 118	1.8-2.7	SA	16:22	OFF	0.0950	0.4750	0.7125	0.0473
HV 14	Hall outside 114	0.9-1.8	SA	13:54	ON	0.1176	0.5880	0.8820	0.0586
HV 14	Hall outside 114	0.9-1.8	SA	16:05	OFF	0.1359	0.6795	1.0193	0.0677
HV 15	Room 114	2.0-4.0	SA	14:02	ON	0.2992	1.4960	2.2440	0.1490
HV 15	Room 114	2.0-4.0	SA	16:13	OFF	0.2147	1.0735	1.6103	0.1069
HV 16	Room 131	3.0-5.0	SA	14:14	ON	0.1093	0.5465	0.8198	0.0544
HV 16	Room 131	3.0-5.0	SA	15:45	OFF	0.0594	0.2970	0.4455	0.0296
HV 17	Room 135	3.0-5.0	SA	14:25	ON	0.2078	1.0390	1.5585	0.1035
HV 17	Room 135	3.0-5.0	SA	15:55	OFF	0.1639	0.8195	1.2293	0.0816
HV 18	Portable 2	0.3-1.2	SA	14:34	ON	0.0564	0.2820	0.4230	0.0281
HV 18	Portable 2	0.3-1.2	SA	14:45	OFF	0.0194	0.0970	0.1455	0.0097
HV 19	Room 235	3.0-5.0	SA	14:57	ON	1.1660	5.8300	8.7450	0.5807
HV 19	Room 235	3.0-5.0	SA	15:33	OFF	0.2201	1.1005	1.6508	0.1096

AP = Access Point
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Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
HV 20	Room 236	2.0-4.0	SA	15:05	ON	0.5573	2.7865	4.1798	0.2775
HV 20	Room 236	2.0-4.0	SA	15:24	OFF	0.0791	0.3955	0.5933	0.0394
HV 21	Hallway outside custodiam office	0.3-1.2	SA	10:53	ON	0.1063	0.5315	0.7973	0.0529
HV 21	Hallway outside custodiam office	0.3-1.2	SA	15:39	OFF	0.1578	0.7890	1.1835	0.0786
HV 22	Room 231	3.0-5.0	SA	11:09	ON	0.0680	0.3400	0.5100	0.0339
HV 22	Room 231	3.0-5.0	SA	15:58	OFF	0.0974	0.4870	0.7305	0.0485
HV 23	Room 230	3.0-5.0	SA	11:19	ON	0.1977	0.9885	1.4828	0.0985
HV 23	Room 230	3.0-5.0	SA	15:57	OFF	0.1842	0.9210	1.3815	0.0917
HV 24	Hall behind 221	0.3-1.2	SA	11:27	ON	0.3042	1.5210	2.2815	0.1515
HV 24	Hall behind 221	0.3-1.2	SA	16:05	OFF	0.2233	1.1165	1.6748	0.1112
HV 25	Math Office (2nd Floor)	3.0-5.0	SA	11:37	ON	0.3525	1.7625	2.6438	0.1755
HV 25	Math Office (2nd Floor)	3.0-5.0	SA	16:16	OFF	0.2725	1.3625	2.0438	0.1357
HV 26	English Office (2nd Floor)	3.0-5.0	SA	11:50	ON	0.3310	1.6550	2.4825	0.1648
HV 26	English Office (2nd Floor)	3.0-5.0	SA	17:13	OFF	0.3115	1.5575	2.3363	0.1551
HV 27	Room 204B	0.9-1.8	SA	13:34	ON	0.0922	0.4610	0.6915	0.0459
HV 27	Room 204B	0.9-1.8	SA	16:34	OFF	0.3972	1.9860	2.9790	0.1978
HV 28	Room 207	0.9-1.8	SA	12:09	ON	0.3016	1.5080	2.2620	0.1502
HV 28	Room 207	0.9-1.8	SA	16:26	OFF	0.1417	0.7085	1.0628	0.0706
HV 29	Hall outside 204A	0.3-1.2	SA	12:18	ON	0.3401	1.7005	2.5508	0.1694
HV 29	Hall outside 204A	0.3-1.2	SA	16:43	OFF	0.1304	0.6520	0.9780	0.0649
HV 30	Room 200B	3.0-5.0	SA	12:27	ON	0.3378	1.6890	2.5335	0.1682
HV 30	Room 200B	3.0-5.0	SA	16:54	OFF	0.1838	0.9190	1.3785	0.0915
HV 31	Room 201	3.0-5.0	SA	12:37	ON	0.3927	1.9635	2.9453	0.1956
HV 31	Room 201	3.0-5.0	SA	17:03	OFF	0.2285	1.1425	1.7138	0.1138
HV 32	Room 212	0.9-1.8	SA	13:47	ON	0.0959	0.4795	0.7193	0.0478
HV 32	Room 212	0.9-1.8	SA	17:21	OFF	0.2174	1.0870	1.6305	0.1083
HV 33	Room 213	1.2-2.1	SA	13:57	ON	0.2376	1.1880	1.7820	0.1183
HV 33	Room 213	1.2-2.1	SA	17:29	OFF	0.1999	0.9995	1.4993	0.0996
HV 34	Outside room 216	0.6-1.5	SA	14:09	ON	0.2012	1.0060	1.5090	0.1002
HV 34	Outside room 216	0.6-1.5	SA	15:28	OFF	0.1250	0.6250	0.9375	0.0623
HV 35	Room 221	3.0-5.0	SA	14:19	ON	0.2246	1.1230	1.6845	0.1119
HV 35	Room 221	3.0-5.0	SA	17:38	OFF	0.2246	1.1230	1.6845	0.1119
HV 36	Room 216	3.0-5.0	SA	15:11	ON	0.0430	0.2150	0.3225	0.0214
HV 36	Room 216	3.0-5.0	SA	15:21	OFF	0.0426	0.2130	0.3195	0.0212

AP = Access Point
SA = Spatial Average
Revised October 2015

Table 13: Field Measurements
Huttonville Public School
 Page 1

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
HPS 1	General Office	3.0-5.0	SA	12:22	ON	0.6530	3.2650	4.8975	0.3252
HPS 1	General Office	3.0-5.0	SA	15:29	OFF	0.1526	0.7630	1.1445	0.0760
HPS 2	Room 9	2.0-4.0	SA	12:30	ON	0.2658	1.3290	1.9935	0.1324
HPS 2	Room 9	2.0-4.0	SA	15:37	OFF	0.0769	0.3845	0.5768	0.0383
HPS 3	Hallway	1-1.5	SA	12:38	ON	0.3295	1.6475	2.4713	0.1641
HPS 3	Hallway	1-1.5	SA	15:44	OFF	0.2309	1.1545	1.7318	0.1150
HPS 4	Room 5	3.0-5.0	SA	12:48	ON	0.4873	2.4365	3.6548	0.2427
HPS 4	Room 5	3.0-5.0	SA	15:52	OFF	0.1771	0.8855	1.3283	0.0882
HPS 5	Room 21	3.0-5.0	SA	12:59	ON	0.3576	1.7880	2.6820	0.1781
HPS 5	Room 21	3.0-5.0	SA	16:37	OFF	0.2422	1.2110	1.8165	0.1206
HPS 6	Room 14	2.0-4.0	SA	13:08	ON	0.4941	2.4705	3.7058	0.2461
HPS 6	Room 14	2.0-4.0	SA	17:05	OFF	1.0820	5.4100	8.1150	0.5388
HPS 7	Hallway	0.9-1.2	SA	13:16	ON	0.5000	2.5000	3.7500	0.2490
HPS 7	Hallway	0.9-1.2	SA	16:20	OFF	0.1807	0.9035	1.3553	0.0900
HPS 8	Library	1-1.5	SA	13:25	ON	0.6440	3.2200	4.8300	0.3207
HPS 8	Library	1-1.5	SA	16:09	OFF	0.2779	1.3895	2.0843	0.1384
HPS 9	Room 18	3.0-5.0	SA	13:37	ON	0.4646	2.3230	3.4845	0.2314
HPS 9	Room 18	3.0-5.0	SA	16:30	OFF	0.2415	1.2075	1.8113	0.1203
HPS 10	Room 7	2.0-4.0	SA	13:53	ON	0.5430	2.7150	4.0725	0.2704
HPS 10	Room 7	2.0-4.0	SA	16:00	OFF	0.2308	1.1540	1.7310	0.1149
HPS 11	Portable #4	0.3-0.9	SA	14:04	ON	0.2825	1.4125	2.1188	0.1407
HPS 11	Portable #4	0.3-0.9	SA	16:45	OFF	0.2151	1.0755	1.6133	0.1071
HPS 12	Portable #8	0.3-0.9	SA	14:22	ON	0.3814	1.9070	2.8605	0.1899
HPS 12	Portable #8	0.3-0.9	SA	16:53	OFF	0.1900	0.9500	1.4250	0.0946

AP = Access Point
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 Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
K 1	Kindergarten room	2.0-4.0	SA	13:30	ON	0.2042	1.0210	1.5315	0.1017
K 1	Kindergarten room	2.0-4.0	SA	15:50	OFF	0.5863	2.9315	4.3973	0.2920
K 2	Room 8	3.0-5.0	SA	13:39	ON	0.3173	1.5865	2.3798	0.1580
K 2	Room 8	3.0-5.0	SA	15:58	OFF	0.6711	3.3555	5.0333	0.3342
K 3	Hallway outside Room 7	0.9-1.8	SA	13:47	ON	0.2239	1.1195	1.6793	0.1115
K 3	Hallway outside Room 7	0.9-1.8	SA	16:06	OFF	0.2095	1.0475	1.5713	0.1043
K 4	Hallway outside Room 4	1.5-2.4	SA	13:58	ON	0.3509	1.7545	2.6318	0.1747
K 4	Hallway outside Room 4	1.5-2.4	SA	16:29	OFF	0.4693	2.3465	3.5198	0.2337
K 5	Room 5	2.0-4.0	SA	14:06	ON	0.3871	1.9355	2.9033	0.1928
K 5	Room 5	2.0-4.0	SA	16:21	OFF	0.3458	1.7290	2.5935	0.1722
K 6	Library	0.6-1.5	SA	14:17	ON	0.4710	2.3550	3.5325	0.2346
K 6	Library	0.6-1.5	SA	16:37	OFF	0.5904	2.9520	4.4280	0.2940
K 7	Room 3	3.0-5.0	SA	14:26	ON	0.6316	3.1580	4.7370	0.3145
K 7	Room 3	3.0-5.0	SA	16:52	OFF	0.6737	3.3685	5.0528	0.3355
K 8	General Office	3.0-5.0	SA	14:35	ON	0.5709	2.8545	4.2818	0.2843
K 8	General Office	3.0-5.0	SA	16:45	OFF	0.5842	2.9210	4.3815	0.2909
K 9	Room 10	3.0-5.0	SA	14:44	ON	0.3484	1.7420	2.6130	0.1735
K 9	Room 10	3.0-5.0	SA	16:14	OFF	0.3330	1.6650	2.4975	0.1658
K 10	Portable	0.3-1.2	SA	14:56	ON	0.3265	1.6325	2.4488	0.1626
K 10	Portable	0.3-1.2	SA	15:39	OFF	0.1572	0.7860	1.1790	0.0783

AP = Access Point
 SA = Spatial Average
 Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
LP 1	Guidance Room	0.6-1.5	SA	11:19	ON	0.1974	0.9870	1.4805	0.0983
LP 1	Guidance Room	0.6-1.5	SA	15:43	OFF	0.1376	0.6880	1.0320	0.0685
LP 2	General Office (1st Floor)	1.2-2.1	SA	11:29	ON	0.3217	1.6085	2.4128	0.1602
LP 2	General Office (1st Floor)	1.2-2.1	SA	15:51	OFF	0.1373	0.6865	1.0298	0.0684
LP 3	Lecture Room (1st Floor)	0.9-1.8	SA	11:39	ON	0.3293	1.6465	2.4698	0.1640
LP 3	Lecture Room (1st Floor)	0.9-1.8	SA	16:00	OFF	0.1006	0.5030	0.7545	0.0501
LP 4	Library	2.1-3.0	SA	11:52	ON	0.4922	2.4610	3.6915	0.2451
LP 4	Library	2.1-3.0	SA	16:17	OFF	0.1534	0.7670	1.1505	0.0764
LP 5	Room 123	3.0-5.0	SA	12:01	ON	0.4147	2.0735	3.1103	0.2065
LP 5	Room 123	3.0-5.0	SA	16:33	OFF	0.1884	0.9420	1.4130	0.0938
LP 6	Room 132	3.0-5.0	SA	12:10	ON	0.3069	1.5345	2.3018	0.1528
LP 6	Room 132	3.0-5.0	SA	16:49	OFF	0.1008	0.5040	0.7560	0.0502
LP 7	Hall outside 133	0.9-1.8	SA	12:18	ON	0.3437	1.7185	2.5778	0.1712
LP 7	Hall outside 133	0.9-1.8	SA	16:57	OFF	0.0940	0.4700	0.7050	0.0468
LP 8	Room 134	3.0-5.0	SA	12:26	ON	0.5110	2.5550	3.8325	0.2545
LP 8	Room 134	3.0-5.0	SA	17:04	OFF	0.2323	1.1615	1.7423	0.1157
LP 9	Staff Room	3.0-5.0	SA	12:37	ON	0.3076	1.5380	2.3070	0.1532
LP 9	Staff Room	3.0-5.0	SA	17:20	OFF	0.1200	0.6000	0.9000	0.0598
LP 10	Room 105	1.2-2.1	SA	12:50	ON	0.0524	0.2620	0.3930	0.0261
LP 10	Room 105	1.2-2.1	SA	17:29	OFF	0.3198	1.5990	2.3985	0.1593
LP 11	Cafeteria	1.2-2.1	SA	12:58	ON	0.0805	0.4025	0.6038	0.0401
LP 11	Cafeteria	1.2-2.1	SA	17:37	OFF	0.1552	0.7760	1.1640	0.0773
LP 12	Room 154	0.9-1.8	SA	13:08	ON	0.0401	0.2005	0.3008	0.0200
LP 12	Room 154	0.9-1.8	SA	17:45	OFF	0.1178	0.5890	0.8835	0.0587
LP 13	Gym C	0.6-1.5	SA	13:20	ON	0.0053	0.0265	0.0398	0.0026
LP 13	Gym C	0.6-1.5	SA	17:53	OFF	0.0600	0.3000	0.4500	0.0299
LP 14	Room 164	0.9-1.8	SA	13:31	ON	0.5708	2.8540	4.2810	0.2843
LP 14	Room 164	0.9-1.8	SA	18:01	OFF	0.5943	2.9715	4.4573	0.2960
LP 15	Room 117	2.0-4.0	SA	13:42	ON	0.1220	0.6100	0.9150	0.0608
LP 15	Room 117	2.0-4.0	SA	15:34	OFF	0.1352	0.6760	1.0140	0.0673
LP 16	Room 126	2.0-4.0	SA	13:52	ON	0.0660	0.3300	0.4950	0.0329
LP 16	Room 126	2.0-4.0	SA	16:41	OFF	0.1226	0.6130	0.9195	0.0611
LP 17	Hall outside 201	0.6-1.5	SA	14:11	ON	0.0761	0.3805	0.5708	0.0379
LP 17	Hall outside 201	0.6-1.5	SA	15:21	OFF	0.0919	0.4595	0.6893	0.0458
LP 18	Room 204	2.0-4.0	SA	14:20	ON	0.1606	0.8030	1.2045	0.0800
LP 18	Room 204	2.0-4.0	SA	15:09	OFF	0.1931	0.9655	1.4483	0.0962
LP 19	Room 210	2.0-4.0	SA	14:28	ON	0.1719	0.8595	1.2893	0.0856
LP 19	Room 210	2.0-4.0	SA	15:00	OFF	0.2341	1.1705	1.7558	0.1166

AP = Access Point
SA = Spatial Average
revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
LP 20	Room 211	2.0-4.0	SA	14:38	ON	0.1131	0.5655	0.8483	0.0563
LP 20	Room 211	2.0-4.0	SA	14:52	OFF	0.0830	0.4150	0.6225	0.0413
LP 21	Room 148	3.0-5.0	SA	12:13	ON	0.4719	2.3595	3.5393	0.2350
LP 21	Room 148	3.0-5.0	SA	16:07	OFF	0.4232	2.1160	3.1740	0.2108
LP 22	Room 140	2.0-4.0	SA	12:23	ON	0.1068	0.5340	0.8010	0.0532
LP 22	Room 140	2.0-4.0	SA	15:55	OFF	0.3092	1.5460	2.3190	0.1540
LP 23	Room 160	0.9-1.8	SA	12:32	ON	0.2188	1.0940	1.6410	0.1090
LP 23	Room 160	0.9-1.8	SA	16:23	OFF	0.4004	2.0020	3.0030	0.1994
LP 24	Hall outside 102	0.6-1.5	SA	12:43	ON	0.2952	1.4760	2.2140	0.1470
LP 24	Hall outside 102	0.6-1.5	SA	14:57	OFF	0.1655	0.8275	1.2413	0.0824
LP 25	Room 205	2.0-4.0	SA	12:53	ON	0.2769	1.3845	2.0768	0.1379
LP 25	Room 205	2.0-4.0	SA	15:07	OFF	0.0468	0.2340	0.3510	0.0233
LP 26	Room 215	2.0-4.0	SA	13:34	ON	0.3697	1.8485	2.7728	0.1841
LP 26	Room 215	2.0-4.0	SA	15:17	OFF	0.2120	1.0600	1.5900	0.1056
LP 27	Room 222	3.0-5.0	SA	13:04	ON	0.4118	2.0590	3.0885	0.2051
LP 27	Room 222	3.0-5.0	SA	15:25	OFF	0.3395	1.6975	2.5463	0.1691
LP 28	Hall outside 223	0.9-1.8	SA	13:13	ON	0.4272	2.1360	3.2040	0.2127
LP 28	Hall outside 223	0.9-1.8	SA	15:33	OFF	0.3337	1.6685	2.5028	0.1662
LP 29	Room 227	0.9-1.8	SA	13:21	ON	0.3654	1.8270	2.7405	0.1820
LP 29	Room 227	0.9-1.8	SA	15:41	OFF	0.1664	0.8320	1.2480	0.0829
LP 30	Main Entrance	3.0-5.0	SA	13:49	ON	0.2445	1.2225	1.8338	0.1218
LP 30	Main Entrance	3.0-5.0	SA	16:34	OFF	0.1922	0.9610	1.4415	0.0957

AP = Access Point
SA = Spatial Average
Revised October 2015

Table 16: Field Measurements
Lougheed Middle School
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Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
L 1	Staff Room (1st Floor)	0.6-1.5	SA	11:15	ON	0.0355	0.1775	0.2663	0.0177
L 1	Staff Room (1st Floor)	0.6-1.5	SA	15:33	OFF	0.5703	2.8515	4.2773	0.2840
L 2	Hall outside Room 101	0.6-1.5	SA	11:23	ON	0.1097	0.5485	0.8228	0.0546
L 2	Hall outside Room 101	0.6-1.5	SA	15:40	OFF	0.5184	2.5920	3.8880	0.2582
L 3	Room 115	0.6-1.5	SA	11:34	ON	0.2274	1.1370	1.7055	0.1132
L 3	Room 115	0.6-1.5	SA	16:59	OFF	0.6166	3.0830	4.6245	0.3071
L 4	General Office (1st Floor)	0.6-1.5	SA	11:43	ON	0.5016	2.5080	3.7620	0.2498
L 4	General Office (1st Floor)	0.6-1.5	SA	16:33	OFF	0.9060	4.5300	6.7950	0.4512
L 5	Hall outside 112	0.6-1.5	SA	11:52	ON	0.1974	0.9870	1.4805	0.0983
L 5	Hall outside 112	0.6-1.5	SA	16:41	OFF	0.6610	3.3050	4.9575	0.3292
L 6	Room 109	2.0-4.0	SA	12:02	ON	0.3737	1.8685	2.8028	0.1861
L 6	Room 109	2.0-4.0	SA	16:04	OFF	0.6052	3.0260	4.5390	0.3014
L 7	Room 112	2.0-4.0	SA	12:12	ON	0.3742	1.8710	2.8065	0.1864
L 7	Room 112	2.0-4.0	SA	16:49	OFF	0.6891	3.4455	5.1683	0.3432
L 8	Room 107	2.0-4.0	SA	12:20	ON	0.3611	1.8055	2.7083	0.1798
L 8	Room 107	2.0-4.0	SA	16:13	OFF	0.6645	3.3225	4.9838	0.3309
L 9	Room 106	2.0-4.0	SA	12:29	ON	0.3725	1.8625	2.7938	0.1855
L 9	Room 106	2.0-4.0	SA	16:22	OFF	0.6987	3.4935	5.2403	0.3480
L 10	Outside SMT	0.6-1.5	SA	12:39	ON	0.4768	2.3840	3.5760	0.2374
L 10	Outside SMT	0.6-1.5	SA	17:16	OFF	0.6916	3.4580	5.1870	0.3444
L 11	Room 209	2.0-4.0	SA	12:47	ON	0.3982	1.9910	2.9865	0.1983
L 11	Room 209	2.0-4.0	SA	17:24	OFF	0.5890	2.9450	4.4175	0.2933
L 12	Room 205	2.0-4.0	SA	12:56	ON	0.4254	2.1270	3.1905	0.2118
L 12	Room 205	2.0-4.0	SA	17:33	OFF	0.5586	2.7930	4.1895	0.2782
L 13	Room 202	2.0-4.0	SA	13:05	ON	0.3922	1.9610	2.9415	0.1953
L 13	Room 202	2.0-4.0	SA	17:42	OFF	0.5979	2.9895	4.4843	0.2978
L 14	Room 2C	2.0-4.0	SA	13:13	ON	0.4343	2.1715	3.2573	0.2163
L 14	Room 2C	2.0-4.0	SA	17:58	OFF	0.6568	3.2840	4.9260	0.3271
L 15	Room 216	2.0-4.0	SA	13:21	ON	0.4470	2.2350	3.3525	0.2226
L 15	Room 216	2.0-4.0	SA	18:06	OFF	0.7215	3.6075	5.4113	0.3593
L 16	Room 212	2.0-4.0	SA	13:40	ON	0.4614	2.3070	3.4605	0.2298
L 16	Room 212	2.0-4.0	SA	18:15	OFF	0.5730	2.8650	4.2975	0.2854
L 17	Room 201	2.0-4.0	SA	13:40	ON	0.4566	2.2830	3.4245	0.2274
L 17	Room 201	2.0-4.0	SA	17:49	OFF	0.6991	3.4955	5.2433	0.3482
L 18	Guidance Room	0.6-1.5	SA	13:55	ON	0.4326	2.1630	3.2445	0.2154
L 18	Guidance Room	0.6-1.5	SA	15:48	OFF	0.5822	2.9110	4.3665	0.2899
L 19	Portable 4	0.6-1.5	SA	14:51	ON	0.8100	4.0500	6.0750	0.4034
L 19	Portable 4	0.6-1.5	SA	15:19	OFF	0.4816	2.4080	3.6120	0.2398

AP = Access Point
SA = Spatial Average
Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
L 20	Portable 1	0.6-1.5	SA	15:02	ON	0.1080	0.5400	0.8100	0.0538
L 20	Portable 1	0.6-1.5	SA	15:10	OFF	0.2362	1.1810	1.7715	0.1176

AP = Access Point
 SA = Spatial Average
 Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
MV 1	Guidance Office (1st Floor)	0.9-1.8	SA	10:28	ON	0.3301	1.6505	2.4758	0.1644
MV 1	Guidance Office (1st Floor)	0.9-1.8	SA	15:07	OFF	0.0986	0.4930	0.7395	0.0491
MV 2	Staff Room (1st Floor)	0.9-1.8	SA	10:37	ON	0.3794	1.8970	2.8455	0.1889
MV 2	Staff Room (1st Floor)	0.9-1.8	SA	15:17	OFF	0.0749	0.3745	0.5618	0.0373
MV 3	Library	0.9-1.8	SA	10:48	ON	0.3578	1.7890	2.6835	0.1782
MV 3	Library	0.9-1.8	SA	15:41	OFF	0.0427	0.2135	0.3203	0.0213
MV 4	Room 110	0.9-1.8	SA	10:57	ON	0.4530	2.2650	3.3975	0.2256
MV 4	Room 110	0.9-1.8	SA	15:32	OFF	0.0379	0.1895	0.2843	0.0189
MV 5	Room 113	0.9-1.8	SA	11:05	ON	0.3673	1.8365	2.7548	0.1829
MV 5	Room 113	0.9-1.8	SA	15:54	OFF	0.1532	0.7660	1.1490	0.0763
MV 6	Room 114	0.9-1.8	SA	11:16	ON	0.4719	2.3595	3.5393	0.2350
MV 6	Room 114	0.9-1.8	SA	16:03	OFF	0.2617	1.3085	1.9628	0.1303
MV 7	Room 118	0.9-1.8	SA	11:26	ON	0.4089	2.0445	3.0668	0.2036
MV 7	Room 118	0.9-1.8	SA	15:15	OFF	0.0941	0.4705	0.7058	0.0469
MV 8	Room 119	0.9-1.8	SA	11:34	ON	0.4067	2.0335	3.0503	0.2025
MV 8	Room 119	0.9-1.8	SA	16:23	OFF	0.0458	0.2290	0.3435	0.0228
MV 9	Room 120	0.9-1.8	SA	11:43	ON	0.3600	1.8000	2.7000	0.1793
MV 9	Room 120	0.9-1.8	SA	18:03	OFF	0.0420	0.2100	0.3150	0.0209
MV 10	Room 125	0.9-1.8	SA	11:52	ON	0.4184	2.0920	3.1380	0.2084
MV 10	Room 125	0.9-1.8	SA	16:33	OFF	0.0168	0.0840	0.1260	0.0084
MV 11	Room 126	0.9-1.8	SA	12:00	ON	0.4340	2.1700	3.2550	0.2161
MV 11	Room 126	0.9-1.8	SA	16:42	OFF	0.2565	1.2825	1.9238	0.1277
MV 12	Room 128	0.9-1.8	SA	12:10	ON	0.4698	2.3490	3.5235	0.2340
MV 12	Room 128	0.9-1.8	SA	16:50	OFF	0.3197	1.5985	2.3978	0.1592
MV 13	Hall outside staff washroom	0.6-1.5	SA	11:04	ON	0.0071	0.0355	0.0533	0.0035
MV 13	Hall outside staff washroom	0.6-1.5	SA	17:22	OFF	0.1200	0.6000	0.9000	0.0598
MV 14	Room 107	0.9-1.8	SA	12:33	ON	0.3724	1.8620	2.7930	0.1855
MV 14	Room 107	0.9-1.8	SA	17:16	OFF	0.1463	0.7315	1.0973	0.0729
MV 15	Room 104	2.7-3.6	SA	12:42	ON	0.4084	2.0420	3.0630	0.2034
MV 15	Room 104	2.7-3.6	SA	17:24	OFF	0.2170	1.0850	1.6275	0.1081
MV 16	Room 103	0.9-1.8	SA	12:50	ON	0.3408	1.7040	2.5560	0.1697
MV 16	Room 103	0.9-1.8	SA	17:32	OFF	0.1012	0.5060	0.7590	0.0504
MV 17	General Office (1st Floor)	0.9-1.8	SA	13:34	ON	0.0080	0.0400	0.0600	0.0040
MV 17	General Office (1st Floor)	0.9-1.8	SA	17:52	OFF	0.2754	1.3770	2.0655	0.1371
MV 18	Auto Shop (room 100)	0.9-1.8	SA	13:44	ON	0.0403	0.2015	0.3023	0.0201
MV 18	Auto Shop (room 100)	0.9-1.8	SA	17:41	OFF	0.0411	0.2055	0.3083	0.0205
MV 19	Classroom 133	0.9-1.8	SA	14:05	ON	0.2817	1.4085	2.1128	0.1403
MV 19	Classroom 133	0.9-1.8	SA	16:59	OFF	0.1737	0.8685	1.3028	0.0865

AP = Access Point
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Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
MV 20	Classroom 138	0.9-1.8	SA	14:19	ON	0.0647	0.3235	0.4853	0.0322
MV 20	Classroom 138	0.9-1.8	SA	17:08	OFF	0.0072	0.0360	0.0540	0.0036
MV 21	Classroom 205	0.9-1.8	SA	11:34	ON	0.1253	0.6265	0.9398	0.0624
MV 21	Classroom 205	0.9-1.8	SA	15:26	OFF	0.1252	0.6260	0.9390	0.0623
MV 22	Room 207	0.9-1.8	SA	11:42	ON	0.1250	0.6250	0.9375	0.0623
MV 22	Room 207	0.9-1.8	SA	15:35	OFF	0.1460	0.7300	1.0950	0.0727
MV 23	Room 208	0.9-1.8	SA	11:50	ON	0.2055	1.0275	1.5413	0.1023
MV 23	Room 208	0.9-1.8	SA	15:52	OFF	0.2800	1.4000	2.1000	0.1394
MV 24	Room 211	0.9-1.8	SA	12:01	ON	0.1209	0.6045	0.9068	0.0602
MV 24	Room 211	0.9-1.8	SA	15:44	OFF	0.1658	0.8290	1.2435	0.0826
MV 25	Room 210	0.9-1.8	SA	12:10	ON	0.2642	1.3210	1.9815	0.1316
MV 25	Room 210	0.9-1.8	SA	16:01	OFF	0.2993	1.4965	2.2448	0.1491
MV 26	Room 232	0.9-1.8	SA	12:24	ON	0.2843	1.4215	2.1323	0.1416
MV 26	Room 232	0.9-1.8	SA	16:59	OFF	0.3097	1.5485	2.3228	0.1542
MV 27	Room 227	0.9-1.8	SA	12:32	ON	0.2209	1.1045	1.6568	0.1100
MV 27	Room 227	0.9-1.8	SA	16:52	OFF	0.2490	1.2450	1.8675	0.1240
MV 28	Room 230	0.9-1.8	SA	12:40	ON	0.3273	1.6365	2.4548	0.1630
MV 28	Room 230	0.9-1.8	SA	16:43	OFF	0.3901	1.9505	2.9258	0.1943
MV 29	Room 221	0.9-1.8	SA	12:51	ON	0.2971	1.4855	2.2283	0.1480
MV 29	Room 221	0.9-1.8	SA	16:26	OFF	0.3834	1.9170	2.8755	0.1909
MV 30	Room 223	0.9-1.8	SA	13:00	ON	0.3330	1.6650	2.4975	0.1658
MV 30	Room 223	0.9-1.8	SA	16:34	OFF	0.3505	1.7525	2.6288	0.1745
MV 31	Room 214	0.9-1.8	SA	13:09	ON	0.2146	1.0730	1.6095	0.1069
MV 31	Room 214	0.9-1.8	SA	16:18	OFF	0.2864	1.4320	2.1480	0.1426
MV 32	Room 217	0.9-1.8	SA	13:17	ON	0.3180	1.5900	2.3850	0.1584
MV 32	Room 217	0.9-1.8	SA	16:10	OFF	0.3492	1.7460	2.6190	0.1739
MV 33	Room 200	0.9-1.8	SA	13:38	ON	0.2792	1.3960	2.0940	0.1390
MV 33	Room 200	0.9-1.8	SA	17:08	OFF	0.2281	1.1405	1.7108	0.1136
MV 34	Gym	0.9-1.8	SA	13:49	ON	0.1112	0.5560	0.8340	0.0554
MV 34	Gym	0.9-1.8	SA	15:11	OFF	0.9921	4.9605	7.4408	0.4941
MV 35	Portable	No visible AP	SA	14:43	ON	0.9188	4.5940	6.8910	0.4576
MV 35	Portable	No visible AP	SA	14:57	OFF	0.4305	2.1525	3.2288	0.2144

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 Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
MPS 1	Office	1-1.5	SA	12:09	ON	0.3958	1.9790	2.9685	0.1971
MPS 1	Office	1-1.5	SA	15:19	OFF	0.1289	0.6445	0.9668	0.0642
MPS 2	Library	1-1.5	SA	12:17	ON	0.3491	1.7455	2.6183	0.1739
MPS 2	Library	1-1.5	SA	15:26	OFF	0.2020	1.0100	1.5150	0.1006
MPS 3	Classroom 1	2.0-4.0	SA	12:25	ON	0.3047	1.5235	2.2853	0.1517
MPS 3	Classroom 1	2.0-4.0	SA	15:34	OFF	0.1332	0.6660	0.9990	0.0663
MPS 4	Hallway (outside staffroom)	1-1.5	SA	12:34	ON	0.1991	0.9955	1.4933	0.0992
MPS 4	Hallway (outside staffroom)	1-1.5	SA	15:43	OFF	0.1128	0.5640	0.8460	0.0562
MPS 5	Staff Room	2.0-4.0	SA	12:41	ON	0.4184	2.0920	3.1380	0.2084
MPS 5	Staff Room	2.0-4.0	SA	15:49	OFF	0.1627	0.8135	1.2203	0.0810
MPS 6	Classroom 18	1.5-1.8	SA	12:50	ON	0.3916	1.9580	2.9370	0.1950
MPS 6	Classroom 18	1.5-1.8	SA	15:57	OFF	0.2549	1.2745	1.9118	0.1269
MPS 7	Hallway (outside kindergarten)	1.2-1.5	SA	12:51	ON	0.3581	1.7905	2.6858	0.1783
MPS 7	Hallway (outside kindergarten)	1.2-1.5	SA	16:04	OFF	0.1413	0.7065	1.0598	0.0704
MPS 8	Classroom 15	1-1.5	SA	13:06	ON	0.5800	2.9000	4.3500	0.2888
MPS 8	Classroom 15	1-1.5	SA	16:12	OFF	0.2784	1.3920	2.0880	0.1386
MPS 9	Classroom 5	1.5-1.8	SA	13:18	ON	0.6934	3.4670	5.2005	0.3453
MPS 9	Classroom 5	1.5-1.8	SA	16:19	OFF	0.4003	2.0015	3.0023	0.1993
MPS 10	Classroom 12	1-1.5	SA	13:26	ON	0.5978	2.9890	4.4835	0.2977
MPS 10	Classroom 12	1-1.5	SA	16:26	OFF	0.2796	1.3980	2.0970	0.1392
MPS 11	Classroom 8	1-1.5	SA	13:34	ON	0.6578	3.2890	4.9335	0.3276
MPS 11	Classroom 8	1-1.5	SA	16:34	OFF	0.3029	1.5145	2.2718	0.1508
MPS 12	Classroom 20	1-1.5	SA	13:46	ON	0.4469	2.2345	3.3518	0.2226
MPS 12	Classroom 20	1-1.5	SA	16:43	OFF	0.2443	1.2215	1.8323	0.1217
MPS 13	Classroom 21	1-1.5	SA	13:55	ON	0.5329	2.6645	3.9968	0.2654
MPS 13	Classroom 21	1-1.5	SA	16:51	OFF	0.2046	1.0230	1.5345	0.1019
MPS 14	Classroom 23	1-1.5	SA	14:03	ON	0.4199	2.0995	3.1493	0.2091
MPS 14	Classroom 23	1-1.5	SA	16:58	OFF	0.2244	1.1220	1.6830	0.1118
MPS 15	Classroom 25	1-1.5	SA	14:11	ON	0.6156	3.0780	4.6170	0.3066
MPS 15	Classroom 25	1-1.5	SA	17:05	OFF	0.3920	1.9600	2.9400	0.1952

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Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
M 1	Library	0.9-1.8	SA	12:59	ON	0.1893	0.9465	1.4198	0.0943
M 1	Library	0.9-1.8	SA	16:50	OFF	0.3404	1.7020	2.5530	0.1695
M 2	Room 8	2.0-4.0	SA	13:06	ON	0.2028	1.0140	1.5210	0.1010
M 2	Room 8	2.0-4.0	SA	16:57	OFF	0.5158	2.5790	3.8685	0.2569
M 3	Room 11	2.0-4.0	SA	13:14	ON	0.2544	1.2720	1.9080	0.1267
M 3	Room 11	2.0-4.0	SA	17:06	OFF	0.5213	2.6065	3.9098	0.2596
M 4	General Office (1st Floor)	2.0-4.0	SA	13:22	ON	0.2415	1.2075	1.8113	0.1203
M 4	General Office (1st Floor)	2.0-4.0	SA	16:42	OFF	0.8373	4.1865	6.2798	0.4170
M 5	Classroom 1	2.0-4.0	SA	13:31	ON	0.1745	0.8725	1.3088	0.0869
M 5	Classroom 1	2.0-4.0	SA	17:15	OFF	0.3973	1.9865	2.9798	0.1979
M 6	Outside room 15/16	0.6-1.5	SA	13:42	ON	0.3628	1.8140	2.7210	0.1807
M 6	Outside room 15/16	0.6-1.5	SA	17:31	OFF	0.5939	2.9695	4.4543	0.2958
M 7	Classroom 13	2.0-4.0	SA	13:56	ON	0.3086	1.5430	2.3145	0.1537
M 7	Classroom 13	2.0-4.0	SA	17:23	OFF	0.4400	2.2000	3.3000	0.2191
M 8	Room 17	2.0-4.0	SA	14:05	ON	0.1905	0.9525	1.4288	0.0949
M 8	Room 17	2.0-4.0	SA	17:46	OFF	0.5183	2.5915	3.8873	0.2581
M 9	Staff Room (basement)	2.0-4.0	SA	14:13	ON	0.3000	1.5000	2.2500	0.1494
M 9	Staff Room (basement)	2.0-4.0	SA	17:39	OFF	0.5143	2.5715	3.8573	0.2561
M 10	Hall outside 119	0.6-1.5	SA	14:52	ON	0.2021	1.0105	1.5158	0.1006
M 10	Hall outside 119	0.6-1.5	SA	16:18	OFF	0.2854	1.4270	2.1405	0.1421
M 11	Classroom 118	0.6-1.5	SA	14:34	ON	0.3900	1.9500	2.9250	0.1942
M 11	Classroom 118	0.6-1.5	SA	16:03	OFF	0.8808	4.4040	6.6060	0.4386
M 12	Classroom 122	0.6-1.5	SA	14:43	ON	0.4019	2.0095	3.0143	0.2001
M 12	Classroom 122	0.6-1.5	SA	16:10	OFF	0.6426	3.2130	4.8195	0.3200
M 13	Portable	0.3-1.2	SA	15:09	ON	1.0530	5.2650	7.8975	0.5244
M 13	Portable	0.3-1.2	SA	15:53	OFF	0.3151	1.5755	2.3633	0.1569

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MS 1	Hallway outside seminar C	0.6-1.5	SA	11:04	ON	0.7875	3.9375	5.9063	0.3922
MS 1	Hallway outside seminar C	0.6-1.5	SA	16:45	OFF	0.1399	0.6995	1.0493	0.0697
MS 2	Room 110	2.0-4.0	SA	11:15	ON	0.8480	4.2400	6.3600	0.4223
MS 2	Room 110	2.0-4.0	SA	16:30	OFF	0.1451	0.7255	1.0883	0.0723
MS 3	Room 108	2.0-4.0	SA	11:24	ON	0.0725	0.3625	0.5438	0.0361
MS 3	Room 108	2.0-4.0	SA	16:22	OFF	0.1881	0.9405	1.4108	0.0937
MS 4	Room 106	2.0-4.0	SA	11:33	ON	0.0987	0.4935	0.7403	0.0492
MS 4	Room 106	2.0-4.0	SA	16:14	OFF	0.1094	0.5470	0.8205	0.0545
MS 5	Office (1st floor)	1.2-2.4	SA	11:42	ON	0.2128	1.0640	1.5960	0.1060
MS 5	Office (1st floor)	1.2-2.4	SA	15:40	OFF	0.1405	0.7025	1.0538	0.0700
MS 6	Room 102	3.0-5.0	SA	11:51	ON	0.2338	1.1690	1.7535	0.1164
MS 6	Room 102	3.0-5.0	SA	15:48	OFF	0.2367	1.1835	1.7753	0.1179
MS 7	Library	0.6-1.5	SA	11:59	ON	0.1694	0.8470	1.2705	0.0844
MS 7	Library	0.6-1.5	SA	15:57	OFF	0.0822	0.4110	0.6165	0.0409
MS 8	Hallway outside seminar A	0.6-1.5	SA	12:09	ON	0.1093	0.5465	0.8198	0.0544
MS 8	Hallway outside seminar A	0.6-1.5	SA	16:53	OFF	0.1654	0.8270	1.2405	0.0824
MS 9	Room 113	3.0-5.0	SA	12:16	ON	0.1588	0.7940	1.1910	0.0791
MS 9	Room 113	3.0-5.0	SA	16:38	OFF	0.0764	0.3820	0.5730	0.0380
MS 10	Staff Lounge	3.0-5.0	SA	12:26	ON	0.1733	0.8665	1.2998	0.0863
MS 10	Staff Lounge	3.0-5.0	SA	15:13	OFF	0.1434	0.7170	1.0755	0.0714
MS 11	Computer Lab (1st floor)	3.0-5.0	SA	12:35	ON	0.2789	1.3945	2.0918	0.1389
MS 11	Computer Lab (1st floor)	3.0-5.0	SA	15:21	OFF	0.2854	1.4270	2.1405	0.1421
MS 12	Room 116	3.0-5.0	SA	12:44	ON	0.1921	0.9605	1.4408	0.0957
MS 12	Room 116	3.0-5.0	SA	15:29	OFF	0.1364	0.6820	1.0230	0.0679
MS 13	Room 121	0.9-1.8	SA	12:54	ON	0.1576	0.7880	1.1820	0.0785
MS 13	Room 121	0.9-1.8	SA	17:06	OFF	0.1236	0.6180	0.9270	0.0616
MS 14	Adult Ed. (1st floor)	3.0-5.0	SA	13:21	ON	0.2392	1.1960	1.7940	0.1191
MS 14	Adult Ed. (1st floor)	3.0-5.0	SA	17:19	OFF	0.3833	1.9165	2.8748	0.1909
MS 15	Room 103	3.0-5.0	SA	13:31	ON	0.0303	0.1515	0.2273	0.0151
MS 15	Room 103	3.0-5.0	SA	16:05	OFF	0.0493	0.2465	0.3698	0.0246
MS 16	Room 219	3.0-5.0	SA	13:49	ON	0.0147	0.0735	0.1103	0.0073
MS 16	Room 219	3.0-5.0	SA	18:10	OFF	0.1404	0.7020	1.0530	0.0699
MS 17	Room 214	0.6-1.5	SA	13:58	ON	0.2872	1.4360	2.1540	0.1430
MS 17	Room 214	0.6-1.5	SA	18:03	OFF	0.3772	1.8860	2.8290	0.1878
MS 18	Room 213	3.0-5.0	SA	14:06	ON	0.0668	0.3340	0.5010	0.0333
MS 18	Room 213	3.0-5.0	SA	17:53	OFF	0.0142	0.0710	0.1065	0.0071
MS 19	Outside ESL (2nd floor)	0.6-1.5	SA	14:16	ON	0.0989	0.4945	0.7418	0.0493
MS 19	Outside ESL (2nd floor)	0.6-1.5	SA	17:45	OFF	0.1795	0.8975	1.3463	0.0894

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MS 20	Room 204	3.0-5.0	SA	14:25	ON	0.1627	0.8135	1.2203	0.0810
MS 20	Room 204	3.0-5.0	SA	17:38	OFF	0.1051	0.5255	0.7883	0.0523
MS 21	Room 202	0.6-1.5	SA	14:33	ON	0.1464	0.7320	1.0980	0.0729
MS 21	Room 202	0.6-1.5	SA	17:31	OFF	0.0995	0.4975	0.7463	0.0496

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NP 1	Classroom 102	0.6-1.5	SA	10:57	ON	0.1132	0.5660	0.8490	0.0846
NP 1	Classroom 102	0.6-1.5	SA	16:55	OFF	0.0911	0.4555	0.6833	0.0681
NP 2	Classroom 104	0.5-1.5	SA	11:07	ON	0.0599	0.2995	0.4493	0.0447
NP 2	Classroom 104	0.5-1.5	SA	15:56	OFF	0.1806	0.9030	1.3545	0.1349
NP 3	Classroom 107	0.5-1.5	SA	11:17	ON	0.1982	0.9910	1.4865	0.1481
NP 3	Classroom 107	0.5-1.5	SA	16:05	OFF	0.2227	1.1135	1.6703	0.1664
NP 4	Classroom 112	0.5-1.5	SA	11:25	ON	0.2424	1.2120	1.8180	0.1811
NP 4	Classroom 112	0.5-1.5	SA	16:13	OFF	0.2620	1.3100	1.9650	0.1957
NP 5	Room 131	0.9-1.8	SA	11:35	ON	0.1963	0.9815	1.4723	0.1466
NP 5	Room 131	0.9-1.8	SA	16:21	OFF	0.1344	0.6720	1.0080	0.1004
NP 6	Room 136	0.9-1.8	SA	11:43	ON	0.2828	1.4140	2.1210	0.2113
NP 6	Room 136	0.9-1.8	SA	16:29	OFF	0.2030	1.0150	1.5225	0.1516
NP 7	Room 135	0.5-1.5	SA	11:52	ON	0.2838	1.4190	2.1285	0.2120
NP 7	Room 135	0.5-1.5	SA	16:37	OFF	0.2109	1.0545	1.5818	0.1575
NP 8	Room 118	0.5-1.5	SA	12:02	ON	0.2995	1.4975	2.2463	0.2237
NP 8	Room 118	0.5-1.5	SA	16:46	OFF	0.2079	1.0395	1.5593	0.1553
NP 9	Room 153	0.5-1.5	SA	12:11	ON	0.2960	1.4800	2.2200	0.2211
NP 9	Room 153	0.5-1.5	SA	15:27	OFF	0.2215	1.1075	1.6613	0.1655
NP 10	Café	3.6-4.5	SA	12:25	ON	0.3287	1.6435	2.4653	0.2455
NP 10	Café	3.6-4.5	SA	15:19	OFF	0.1304	0.6520	0.9780	0.0974
NP 11	Office (1st floor)	0.5-1.5	SA	12:36	ON	0.4617	2.3085	3.4628	0.3449
NP 11	Office (1st floor)	0.5-1.5	SA	17:03	OFF	0.3069	1.5345	2.3018	0.2293
NP 12	Library	0.9-1.8	SA	12:45	ON	0.3103	1.5515	2.3273	0.2318
NP 12	Library	0.9-1.8	SA	15:46	OFF	0.1650	0.8250	1.2375	0.1233
NP 13	Room 307	1.5-2.4	SA	13:38	ON	0.0240	0.1200	0.1800	0.0179
NP 13	Room 307	1.5-2.4	SA	17:28	OFF	0.2220	1.1100	1.6650	0.1658
NP 14	Room 311	0.5-1.5	SA	13:47	ON	0.0330	0.1650	0.2475	0.0247
NP 14	Room 311	0.5-1.5	SA	17:36	OFF	0.1042	0.5210	0.7815	0.0778
NP 15	Room 321 - Comm. Tech	0.5-1.5	SA	13:57	ON	0.3285	1.6425	2.4638	0.2454
NP 15	Room 321 - Comm. Tech	0.5-1.5	SA	17:44	OFF	0.5145	2.5725	3.8588	0.3843
NP 16	Room 323 - Comp. Lab	0.5-1.5	SA	14:05	ON	0.1129	0.5645	0.8468	0.0843
NP 16	Room 323 - Comp. Lab	0.5-1.5	SA	17:46	OFF	0.3171	1.5855	2.3783	0.2369
NP 17	Room 322	0.5-1.5	SA	14:13	ON	0.0943	0.4715	0.7073	0.0704
NP 17	Room 322	0.5-1.5	SA	18:00	OFF	0.2046	1.0230	1.5345	0.1528
NP 18	Room 123	0.9-1.8	SA	14:28	ON	0.2009	1.0045	1.5068	0.1501
NP 18	Room 123	0.9-1.8	SA	15:36	OFF	0.2168	1.0840	1.6260	0.1619
NP 19	Café Lower	1.8-2.7	SA	15:08	ON	0.0516	0.2580	0.3870	0.0385
NP 19	Café Lower	1.8-2.7	SA	17:20	OFF	0.1307	0.6535	0.9803	0.0976

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NP 20	Portable 1	0.3-1.2	SA	11:03	ON	0.2499	1.2495	1.8743	0.1867
NP 20	Portable 1	0.3-1.2	SA	17:57	OFF	0.3491	1.7455	2.6183	0.2608
NP 21	Room 238	0.6-1.5	SA	11:22	ON	0.2609	1.3045	1.9568	0.1949
NP 21	Room 238	0.6-1.5	SA	15:48	OFF	0.1655	0.8275	1.2413	0.1236
NP 22	Room 237	0.6-1.5	SA	11:31	ON	0.2883	1.4415	2.1623	0.2154
NP 22	Room 237	0.6-1.5	SA	15:56	OFF	0.2246	1.1230	1.6845	0.1678
NP 23	Hall outside 236	2.0-4.0	SA	11:39	ON	0.2975	1.4875	2.2313	0.2222
NP 23	Hall outside 236	2.0-4.0	SA	15:39	OFF	0.0943	0.4715	0.7073	0.0704
NP 24	Room 234	0.6-1.5	SA	11:47	ON	0.3825	1.9125	2.8688	0.2857
NP 24	Room 234	0.6-1.5	SA	15:31	OFF	0.0317	0.1585	0.2378	0.0237
NP 25	Room 232	0.6-2.5	SA	11:55	ON	0.3700	1.8500	2.7750	0.2764
NP 25	Room 232	0.6-2.5	SA	15:23	OFF	0.0291	0.1455	0.2183	0.0217
NP 26	Room 214	0.6-2.5	SA	12:04	ON	0.4550	2.2750	3.4125	0.3399
NP 26	Room 214	0.6-2.5	SA	16:12	OFF	0.3556	1.7780	2.6670	0.2656
NP 27	Room 209	0.6-2.5	SA	12:15	ON	0.3878	1.9390	2.9085	0.2897
NP 27	Room 209	0.6-2.5	SA	17:07	OFF	0.3390	1.6950	2.5425	0.2532
NP 28	Room 205	0.6-2.5	SA	12:23	ON	0.3536	1.7680	2.6520	0.2641
NP 28	Room 205	0.6-2.5	SA	16:59	OFF	0.3380	1.6900	2.5350	0.2525
NP 29	Room 200	0.6-2.5	SA	12:34	ON	0.5027	2.5135	3.7703	0.3755
NP 29	Room 200	0.6-2.5	SA	16:26	OFF	0.2649	1.3245	1.9868	0.1979
NP 30	Room 210	0.6-2.5	SA	12:43	ON	0.4245	2.1225	3.1838	0.3171
NP 30	Room 210	0.6-2.5	SA	16:50	OFF	0.3680	1.8400	2.7600	0.2749
NP 31	Room 208	0.6-2.5	SA	12:55	ON	0.4021	2.0105	3.0158	0.3004
NP 31	Room 208	0.6-2.5	SA	16:34	OFF	0.2450	1.2250	1.8375	0.1830
NP 32	Room 218	0.6-2.5	SA	13:03	ON	0.3911	1.9555	2.9333	0.2922
NP 32	Room 218	0.6-2.5	SA	16:42	OFF	0.3166	1.5830	2.3745	0.2365
NP 33	Room 217	N/A	SA	13:13	ON	0.3239	1.6195	2.4293	0.2420
NP 33	Room 217	N/A	SA	16:04	OFF	0.1954	0.9770	1.4655	0.1460
NP 34	Gym	0.9-1.8	SA	13:56	ON	0.1830	0.9150	1.3725	0.1367
NP 34	Gym	0.9-1.8	SA	17:18	OFF	0.2805	1.4025	2.1038	0.2095
NP 35	Exercise Room	1.8-2.7	SA	14:10	ON	0.1057	0.5285	0.7928	0.0790
NP 35	Exercise Room	1.8-2.7	SA	17:27	OFF	0.2259	1.1295	1.6943	0.1687
NP 36	Staff Room	3.0-5.0	SA	12:56	ON	0.4394	2.1970	3.2955	0.3282
NP 36	Staff Room	3.0-5.0	SA	17:11	OFF	0.2080	1.0400	1.5600	0.1554

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Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
PC 1	Hall outside 132	0.6- 1.5	SA	11:23	ON	0.1909	0.9545	1.4318	0.0951
PC 1	Hall outside 132	0.6- 1.5	SA	16:26	OFF	0.0352	0.1760	0.2640	0.0175
PC 2	Room 133	3.0-5.0	SA	11:31	ON	0.0599	0.2995	0.4493	0.0298
PC 2	Room 133	3.0-5.0	SA	16:35	OFF	0.0112	0.0560	0.0840	0.0056
PC 3	Room 136	3.0-5.0	SA	11:39	ON	0.2452	1.2260	1.8390	0.1221
PC 3	Room 136	3.0-5.0	SA	16:55	OFF	0.2558	1.2790	1.9185	0.1274
PC 4	Room 138	3.0-5.0	SA	11:49	ON	0.3049	1.5245	2.2868	0.1518
PC 4	Room 138	3.0-5.0	SA	17:03	OFF	0.3204	1.6020	2.4030	0.1596
PC 5	Hall outside Room 128	4.0-6.0	SA	11:57	ON	0.2999	1.4995	2.2493	0.1494
PC 5	Hall outside Room 128	4.0-6.0	SA	17:11	OFF	0.0992	0.4960	0.7440	0.0494
PC 6	Outside 127	0.6-1.5	SA	12:05	ON	0.2631	1.3155	1.9733	0.1310
PC 6	Outside 127	0.6-1.5	SA	16:46	OFF	0.2454	1.2270	1.8405	0.1222
PC 7	Gym	0.3-1.2	SA	12:13	ON	0.2123	1.0615	1.5923	0.1057
PC 7	Gym	0.3-1.2	SA	17:20	OFF	0.0678	0.3390	0.5085	0.0338
PC 8	Room 125	3.0-5.0	SA	12:21	ON	0.2009	1.0045	1.5068	0.1000
PC 8	Room 125	3.0-5.0	SA	17:28	OFF	0.0326	0.1630	0.2445	0.0162
PC 9	Room 101	3.0-5.0	SA	12:32	ON	0.4078	2.0390	3.0585	0.2031
PC 9	Room 101	3.0-5.0	SA	15:23	OFF	0.0557	0.2785	0.4178	0.0277
PC 10	Guidance Office (1st floor)	0.6-1.5	SA	12:40	ON	0.4527	2.2635	3.3953	0.2254
PC 10	Guidance Office (1st floor)	0.6-1.5	SA	15:13	OFF	0.2409	1.2045	1.8068	0.1200
PC 11	Gen. Office (1st floor)	0.9-1.8	SA	12:47	ON	0.4138	2.0690	3.1035	0.2061
PC 11	Gen. Office (1st floor)	0.9-1.8	SA	15:06	OFF	0.1272	0.6360	0.9540	0.0633
PC 12	Hall outside 106	0.6-1.5	SA	13:03	ON	0.2442	1.2210	1.8315	0.1216
PC 12	Hall outside 106	0.6-1.5	SA	15:39	OFF	0.0595	0.2975	0.4463	0.0296
PC 13	Staff Room (1st floor)	2.0-4.0	SA	13:19	ON	0.4056	2.0280	3.0420	0.2020
PC 13	Staff Room (1st floor)	2.0-4.0	SA	14:56	OFF	0.0586	0.2930	0.4395	0.0292
PC 14	Room 108	3.0-5.0	SA	13:30	ON	0.2914	1.4570	2.1855	0.1451
PC 14	Room 108	3.0-5.0	SA	15:52	OFF	0.2020	1.0100	1.5150	0.1006
PC 15	Math Office (1st floor)	3.0-5.0	SA	13:45	ON	0.3152	1.5760	2.3640	0.1570
PC 15	Math Office (1st floor)	3.0-5.0	SA	16:08	OFF	0.2697	1.3485	2.0228	0.1343
PC 16	Library	1.2-2.1	SA	13:53	ON	0.3152	1.5760	2.3640	0.1570
PC 16	Library	1.2-2.1	SA	16:17	OFF	0.0289	0.1445	0.2168	0.0144
PC 17	Room 105	3.0-5.0	SA	14:02	ON	0.3279	1.6395	2.4593	0.1633
PC 17	Room 105	3.0-5.0	SA	15:31	OFF	0.0290	0.1450	0.2175	0.0144
PC 18	Room 204	3.0-5.0	SA	14:13	ON	0.3890	1.9450	2.9175	0.1937
PC 18	Room 204	3.0-5.0	SA	17:38	OFF	0.2286	1.1430	1.7145	0.1138
PC 19	Hall outside 207	0.9-1.8	SA	12:50	ON	0.4845	2.4225	3.6338	0.2413
PC 19	Hall outside 207	0.9-1.8	SA	15:22	OFF	0.1793	0.8965	1.3448	0.0893

AP = Access Point
SA = Spatial Average
Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
PC 20	Room 205	3.0-5.0	SA	12:02	ON	0.3283	1.6415	2.4623	0.1635
PC 20	Room 205	3.0-5.0	SA	15:15	OFF	0.0518	0.2590	0.3885	0.0258
PC 21	Room 109A	3.0-6.0	SA	13:05	ON	0.4895	2.4475	3.6713	0.2438
PC 21	Room 109A	3.0-6.0	SA	16:00	OFF	0.3903	1.9515	2.9273	0.1944
PC 22	Room 112	3.0-5.0	SA	11:46	ON	0.2331	1.1655	1.7483	0.1161
PC 22	Room 112	3.0-5.0	SA	15:05	OFF	0.0162	0.0810	0.1215	0.0081
PC 23	Room 208	3.0-5.0	SA	12:10	ON	0.3473	1.7365	2.6048	0.1730
PC 23	Room 208	3.0-5.0	SA	15:30	OFF	0.0879	0.4395	0.6593	0.0438
PC 24	Room 213	3.0-5.0	SA	12:18	ON	0.5214	2.6070	3.9105	0.2597
PC 24	Room 213	3.0-5.0	SA	15:38	OFF	0.1687	0.8435	1.2653	0.0840
PC 25	Room 218	3.0-5.0	SA	12:26	ON	0.4637	2.3185	3.4778	0.2309
PC 25	Room 218	3.0-5.0	SA	15:53	OFF	0.1894	0.9470	1.4205	0.0943
PC 26	Room 225	3.0-5.0	SA	12:34	ON	0.3922	1.9610	2.9415	0.1953
PC 26	Room 225	3.0-5.0	SA	16:01	OFF	0.2623	1.3115	1.9673	0.1306
PC 27	Hall outside room 214/216	0.6-1.5	SA	12:43	ON	0.3642	1.8210	2.7315	0.1814
PC 27	Hall outside room 214/216	0.6-1.5	SA	15:45	OFF	0.1698	0.8490	1.2735	0.0846
PC 28	Hall outside 303	0.6-1.5	SA	13:00	ON	0.4170	2.0850	3.1275	0.2077
PC 28	Hall outside 303	0.6-1.5	SA	16:24	OFF	0.1904	0.9520	1.4280	0.0948
PC 29	Room 305	3.0-5.0	SA	13:09	ON	0.4606	2.3030	3.4545	0.2294
PC 29	Room 305	3.0-5.0	SA	16:31	OFF	0.1509	0.7545	1.1318	0.0751
PC 30	Room 308	3.0-5.0	SA	13:16	ON	0.4621	2.3105	3.4658	0.2301
PC 30	Room 308	3.0-5.0	SA	16:40	OFF	0.1405	0.7025	1.0538	0.0700
PC 31	Hall outside 312	0.6-1.5	SA	13:24	ON	0.3845	1.9225	2.8838	0.1915
PC 31	Hall outside 312	0.6-1.5	SA	16:56	OFF	0.1322	0.6610	0.9915	0.0658
PC 32	Room 315	3.0-5.0	SA	13:31	ON	0.3454	1.7270	2.5905	0.1720
PC 32	Room 315	3.0-5.0	SA	17:05	OFF	0.1669	0.8345	1.2518	0.0831
PC 33	Room 302	3.0-5.0	SA	13:42	ON	0.4624	2.3120	3.4680	0.2303
PC 33	Room 302	3.0-5.0	SA	16:17	OFF	0.1529	0.7645	1.1468	0.0761
PC 34	Room 311	3.0-5.0	SA	13:51	ON	0.5559	2.7795	4.1693	0.2768
PC 34	Room 311	3.0-5.0	SA	16:48	OFF	0.2239	1.1195	1.6793	0.1115
PC 35	Portable	0.6-1.5	SA	14:16	ON	0.0589	0.2945	0.4418	0.0293
PC 35	Portable	0.6-1.5	SA	14:25	OFF	0.0405	0.2025	0.3038	0.0202

AP = Access Point
SA = Spatial Average
Revised October 2015

Table 23: Field Measurements
Queen Elizabeth Senior Public School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
QE 1	Staff Room	0.9-1.8	SA	11:45	ON	0.4488	2.2440	3.3660	0.2235
QE 1	Staff Room	0.9-1.8	SA	14:37	OFF	0.0092	0.0460	0.0690	0.0046
QE 2	General Office	0.9-1.8	SA	11:53	ON	0.4828	2.4140	3.6210	0.2404
QE 2	General Office	0.9-1.8	SA	14:45	OFF	0.0648	0.3240	0.4860	0.0323
QE 3	Home E.C.	0.6-1.5	SA	12:01	ON	0.3117	1.5585	2.3378	0.1552
QE 3	Home E.C.	0.6-1.5	SA	14:52	OFF	0.0572	0.2860	0.4290	0.0285
QE 4	Prep Room	4.0-6.0	SA	12:11	ON	0.4703	2.3515	3.5273	0.2342
QE 4	Prep Room	4.0-6.0	SA	15:36	OFF	0.3130	1.5650	2.3475	0.1559
QE 5	Science Room 4	3.0-5.0	SA	12:21	ON	0.2116	1.0580	1.5870	0.1054
QE 5	Science Room 4	3.0-5.0	SA	15:01	OFF	0.0320	0.1600	0.2400	0.0159
QE 6	Room 5	1.2-1.5	SA	12:29	ON	0.3517	1.7585	2.6378	0.1751
QE 6	Room 5	1.2-1.5	SA	15:27	OFF	0.0910	0.4550	0.6825	0.0453
QE 7	Room 10	0.9-1.8	SA	12:38	ON	0.5015	2.5075	3.7613	0.2497
QE 7	Room 10	0.9-1.8	SA	15:18	OFF	0.2354	1.1770	1.7655	0.1172
QE 8	Outside Room 12	0.6-1.5	SA	12:46	ON	0.3422	1.7110	2.5665	0.1704
QE 8	Outside Room 12	0.6-1.5	SA	15:10	OFF	0.1503	0.7515	1.1273	0.0748
QE 9	Library	1.2-2.4	SA	12:56	ON	0.3456	1.7280	2.5920	0.1721
QE 9	Library	1.2-2.4	SA	15:48	OFF	0.1251	0.6255	0.9383	0.0623
QE 10	Classroom 15	0.9-1.8	SA	13:18	ON	0.3824	1.9120	2.8680	0.1904
QE 10	Classroom 15	0.9-1.8	SA	15:57	OFF	0.0941	0.4705	0.7058	0.0469
QE 11	Portable 3	0.3-1.2	SA	13:32	ON	0.1897	0.9485	1.4228	0.0945
QE 11	Portable 3	0.3-1.2	SA	16:07	OFF	0.1235	0.6175	0.9263	0.0615

AP = Access Point
SA = Spatial Average
Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
SFV 1	Hall outside gym	0.9-1.8	SA	10:59	ON	0.0843	0.4215	0.6323	0.0420
SFV 1	Hall outside gym	0.9-1.8	SA	16:05	OFF	0.0850	0.4250	0.6375	0.0423
SFV 2	Library	1.2-2.4	SA	11:11	ON	0.0827	0.4135	0.6203	0.0412
SFV 2	Library	1.2-2.4	SA	16:20	OFF	0.1672	0.8360	1.2540	0.0833
SFV 3	Room 107	0.9-2.4	SA	11:20	ON	0.1038	0.5190	0.7785	0.0517
SFV 3	Room 107	0.9-2.4	SA	16:36	OFF	0.1328	0.6640	0.9960	0.0661
SFV 4	Room 102	0.9-2.4	SA	11:31	ON	0.1606	0.8030	1.2045	0.0800
SFV 4	Room 102	0.9-2.4	SA	16:44	OFF	0.2096	1.0480	1.5720	0.1044
SFV 5	Room 105	0.9-2.4	SA	11:40	ON	0.3223	1.6115	2.4173	0.1605
SFV 5	Room 105	0.9-2.4	SA	16:51	OFF	0.2118	1.0590	1.5885	0.1055
SFV 6	Room 103/104	0.9-2.4	SA	11:49	ON	0.2640	1.3200	1.9800	0.1315
SFV 6	Room 103/104	0.9-2.4	SA	16:59	OFF	0.0674	0.3370	0.5055	0.0336
SFV 7	Room 100/101	1.2-2.1	SA	11:59	ON	0.3157	1.5785	2.3678	0.1572
SFV 7	Room 100/101	1.2-2.1	SA	15:35	OFF	0.2363	1.1815	1.7723	0.1177
SFV 8	Hall outside custodian office	0.9-1.8	SA	12:06	ON	0.2550	1.2750	1.9125	0.1270
SFV 8	Hall outside custodian office	0.9-1.8	SA	15:42	OFF	0.0720	0.3600	0.5400	0.0359
SFV 9	Lunch Room	4.0-6.0	SA	12:15	ON	0.1419	0.7095	1.0643	0.0707
SFV 9	Lunch Room	4.0-6.0	SA	15:50	OFF	0.2265	1.1325	1.6988	0.1128
SFV 10	General Office	1.2-2.4	SA	12:23	ON	0.1347	0.6735	1.0103	0.0671
SFV 10	General Office	1.2-2.4	SA	15:57	OFF	0.2049	1.0245	1.5368	0.1020
SFV 11	Room 112	1.2-2.4	SA	12:32	ON	0.3408	1.7040	2.5560	0.1697
SFV 11	Room 112	1.2-2.4	SA	16:12	OFF	0.3204	1.6020	2.4030	0.1596
SFV 12	Computer lab	1.2-2.4	SA	12:40	ON	0.0127	0.0635	0.0953	0.0063
SFV 12	Computer lab	1.2-2.4	SA	16:28	OFF	0.1236	0.6180	0.9270	0.0616
SFV 13	Room 200	1.2-2.4	SA	12:52	ON	0.0351	0.1755	0.2633	0.0175
SFV 13	Room 200	1.2-2.4	SA	17:09	OFF	0.0141	0.0705	0.1058	0.0070
SFV 14	Room 202	1.2-2.4	SA	13:01	ON	0.0308	0.1540	0.2310	0.0153
SFV 14	Room 202	1.2-2.4	SA	17:18	OFF	0.0018	0.0090	0.0135	0.0009
SFV 15	Room 204	1.2-2.4	SA	13:09	ON	0.1578	0.7890	1.1835	0.0786
SFV 15	Room 204	1.2-2.4	SA	17:25	OFF	0.1008	0.5040	0.7560	0.0502
SFV 16	Room 208	1.2-2.4	SA	13:18	ON	0.1341	0.6705	1.0058	0.0668
SFV 16	Room 208	1.2-2.4	SA	15:15	OFF	0.1744	0.8720	1.3080	0.0869
SFV 17	Room 210	1.2-2.4	SA	13:27	ON	0.0527	0.2635	0.3953	0.0262
SFV 17	Room 210	1.2-2.4	SA	17:44	OFF	0.0528	0.2640	0.3960	0.0263
SFV 18	Room 211	1.2-2.4	SA	13:37	ON	0.2126	1.0630	1.5945	0.1059
SFV 18	Room 211	1.2-2.4	SA	17:51	OFF	0.1092	0.5460	0.8190	0.0544
SFV 19	Room 215	1.2-2.4	SA	13:46	ON	0.0696	0.3480	0.5220	0.0347
SFV 19	Room 215	1.2-2.4	SA	17:59	OFF	0.0546	0.2730	0.4095	0.0272

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Revised October 2015

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
SFV 20	Room 217	1.2-2.4	SA	13:55	ON	0.3012	1.5060	2.2590	0.1500
SFV 20	Room 217	1.2-2.4	SA	18:07	OFF	0.1377	0.6885	1.0328	0.0686
SFV 21	Room 219	1.2-2.4	SA	14:43	ON	0.1881	0.9405	1.4108	0.0937
SFV 21	Room 219	1.2-2.4	SA	18:17	OFF	0.1076	0.5380	0.8070	0.0536
SFV 22	Room 206	1.2-2.4	SA	14:56	ON	0.0485	0.2425	0.3638	0.0242
SFV 22	Room 206	1.2-2.4	SA	17:34	OFF	0.0657	0.3285	0.4928	0.0327

AP = Access Point
 SA = Spatial Average
 Revised October 2015

Table 25: Field Measurements
William G Davis Senior Public School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (2009) (controlled)	% of Safety Code 6 Limits (2009) (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (W/m ²)
WD 1	General Office	2.1-3.0	SA	12:32	ON	0.2066	1.0330	1.5495	0.1029
WD 1	General Office	2.1-3.0	SA	15:33	OFF	0.2628	1.3140	1.9710	0.1309
WD 2	Staff Room	1.2-2.1	SA	12:40	ON	0.1093	0.5465	0.8198	0.0544
WD 2	Staff Room	1.2-2.1	SA	14:55	OFF	0.0103	0.0515	0.0773	0.0051
WD 3	Corridor outside storage room	1.8-2.7	SA	12:48	ON	0.0784	0.3920	0.5880	0.0390
WD 3	Corridor outside storage room	1.8-2.7	SA	15:53	OFF	0.2398	1.1990	1.7985	0.1194
WD 4	Library	2.1-3.0	SA	12:56	ON	0.2122	1.0610	1.5915	0.1057
WD 4	Library	2.1-3.0	SA	16:10	OFF	0.2264	1.1320	1.6980	0.1127
WD 5	Room 202	3.7-4.6	SA	13:04	ON	0.1246	0.6230	0.9345	0.0621
WD 5	Room 202	3.7-4.6	SA	16:18	OFF	0.1321	0.6605	0.9908	0.0658
WD 6	Room 117	4.0-6.0	SA	13:14	ON	0.3542	1.7710	2.6565	0.1764
WD 6	Room 117	4.0-6.0	SA	15:14	OFF	0.1825	0.9125	1.3688	0.0909
WD 7	Room 113	4.0-6.0	SA	13:22	ON	0.3582	1.7910	2.6865	0.1784
WD 7	Room 113	4.0-6.0	SA	15:06	OFF	0.0162	0.0810	0.1215	0.0081
WD 8	Room 108	4.0-6.0	SA	13:30	ON	0.3703	1.8515	2.7773	0.1844
WD 8	Room 108	4.0-6.0	SA	15:24	OFF	0.1840	0.9200	1.3800	0.0916
WD 9	Room 105	0.9-1.8	SA	13:39	ON	0.0261	0.1305	0.1958	0.0130
WD 9	Room 105	0.9-1.8	SA	15:42	OFF	0.2002	1.0010	1.5015	0.0997
WD 10	Room 116	4.0-6.0	SA	13:48	ON	0.1366	0.6830	1.0245	0.0680
WD 10	Room 116	4.0-6.0	SA	16:01	OFF	0.2856	1.4280	2.1420	0.1422
WD 11	Portable 1	0.3-1.2	SA	13:58	ON	0.2622	1.3110	1.9665	0.1306
WD 11	Portable 1	0.3-1.2	SA	16:32	OFF	0.1479	0.7395	1.1093	0.0737
WD 12	Portable 7	0.3-1.2	SA	14:06	ON	0.3193	1.5965	2.3948	0.1590
WD 12	Portable 7	0.3-1.2	SA	16:40	OFF	0.6020	3.0100	4.5150	0.2998

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SA = Spatial Average
Revised October 2015