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Quote Number:	942642
Project Number:	08ME04193
FCC ID:	QGH-VRSDC
IC Number:	2473A-VRSDC
File Number:	MC15211
Date:	22 April 2008
Revision Date:	19 May 2008
Model:	VRI06, VRI10, VRM10, VRS15, VRS05, VRCS1, and VRCZ1

Electromagnetic Compatibility Test Report

For

Leviton Mfg. Co. Inc.

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Underwriters Laboratories Inc.
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Melville, NY 11747

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Project Number: 942642 File Number: MC15211 Page 2 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

Test Report Details

Tests Performed By: **Underwriters Laboratories Inc.**
1285 Walt Whitman Rd.
Melville, NY 11747

Tests Performed For: **Leviton Mfg. Co. Inc.**
59-25 Little Neck Parkway
Little Neck, NY 11362-2591

Applicant Contact: **Parimal Patel**
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Test Report Date: **22 April 2008**
Revision Date: **19 May 2008**

Product Type: **Dimmers**

Product standards **FCC Part 15, Subpart C, 15.249, RSS-210, RSS-GEN**

Model Number: **VRI06, VRI10, VRM10, VRS05, VRS15, VRCS1, and VRCZ1**

Sample Serial Number: **Prototype**

EUT Category: **Periodic Low Power Transmitter**

Testing Start Date: **19 March 2008**

Date Testing Complete: **30 March 2008**

Overall Results: Compliant

Underwriters Laboratories Inc. reports apply only to the specific samples tested under stated test conditions. All samples tested were in good operating condition throughout the entire test program. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. Underwriters Laboratories Inc. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from Underwriters Laboratories Inc. issued reports. This report shall not be used to claim, constitute or imply product certification, approval, or endorsement by NVLAP, A2LA, or any agency of the US government.

This report may contain test results that are not covered by the NVLAP or A2LA accreditation. The scope of accreditation is limited to the specific tests that are listed on the NVLAP and/or A2LA websites referenced at the end of this report.

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 Client Name: Leviton Mfg. Co. Inc.
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 IC Number: 2473A-VRSDC

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 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Report Revision History

Revision Date	Description	Revised By	Reviewed By
19 May 2008	Correct table 9 page 69, and page 74 for typographically errors	Joseph Danisi	Bob DeLisi

1.0 G E N E R A L - Product Description

1.1 Equipment Description

The Equipment under test is a light dimmer switch to control a light fixture for illumination.

The VRS05 and VRI06 are identical products the only difference is as follows:

The VRI06 when you press the ON/OFF rocker it will switch the load from OFF state to ON state with brightness increase in step where in the VRS05 it will go from OFF state to ON state directly without intermediate step.

Note: The VRI06 was the actual model number that was evaluated under this investigation therefore; it is the manufacturer Leviton responsibility that the VRS05 performs as the VRI06.

The Vizia RF plus series dimmers have the following- a single pole, 3-way control dimmer and a non-dimmer that is designed for control of up to 1800watt incandescent lighting load.

Per FCC Part 2.1093 (C) this device is not required to undergo testing for radio-frequency radiation exposure

Antenna description: It is a permanently attached to the RF circuit board and the transmit antenna type is a PCB trace antenna.

The transmitter circuitry is regulated and therefore frequency stability with varied input voltages was not required.

1.2 Equipment Marking Plate

Not Applicable

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1.3 Device Configuration During Test

The equipment under test was measured at its worst-case orientation during the evaluation. In addition, since the RF circuit board is identical in all model numbers the VRS15 was utilized to represent all models for Occupied bandwidth.

1.3.1 Equipment Used During Test:

Use	Product Type	Manufacturer	Model	Comments
EUT	Dimmer	Leviton Mfg. Co. Inc.	VRI06	None
EUT	Dimmer	Leviton Mfg. Co. Inc.	VRM10	None
EUT	Dimmer	Leviton Mfg. Co. Inc.	VRI10	None
EUT	Dimmer	Leviton Mfg. Co. Inc.	VRS15	None
EUT	Dimmer	Leviton Mfg. Co. Inc.	VRCS1	None
EUT	Dimmer	Leviton Mfg. Co. Inc.	VRCZ1	None
AE	Load	Leviton	-	Incandescent Light fixture
Note: EUT - Equipment Under Test, AE - Auxiliary/Associated Equipment, or SIM - Simulator (Not Subjected to Test)				

1.3.2 Input/Output Ports:

Port #	Name	Type*	Cable Max. >3m (Y/N)	Cable Shielded (Y/N)	Comments
0	Enclosure	N/E	—	—	None
1	Mains	AC	No	No	None
Note: AC = AC Power Port DC = DC Power Port N/E = Non-Electrical I/O = Signal Input or Output Port (Not Involved in Process Control) TP = Telecommunication Ports					

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1.3.3 EUT Internal Operating Frequencies:

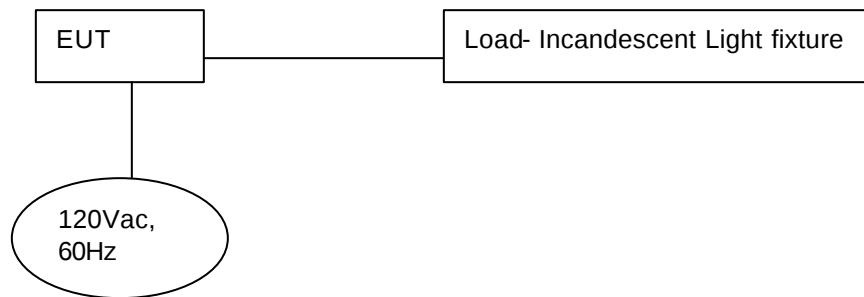
Frequency (MHz)	Description
908.4	Fundamental Frequencies
32	Crystal

1.3.4 Power Interface:

Mode # /Rated	Voltage (V)	Current (A)	Power (W)	Frequency (DC/AC-Hz)	Phases (#)	Comments
Rated	120Vac	5-15	600-1800	60Hz	Single Phase	Vizia RF Plus dimmer series
1	120Vac	5	600	60Hz	Single Phase	VRI06
2	120Vac	8.3	1000	60Hz	Single Phase	VRI10
3	120Vac	8.3	1000	60Hz	Single Phase	VRM10
4	120Vac	15	1800	60Hz	Single Phase	VRS15
5	120Vac	5	600	60Hz	Single Phase	VRCS1
6	120Vac	5	600	60Hz	Single Phase	VRCZ1

1.4 Block Diagram:

The diagram below illustrates the configuration of the equipment above.



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1.5 EUT Configurations

Mode #	Description
1	The EUT (equipment under test) was set to transmit at it's maximum allowable power rating at the fundamental frequency of 908.42MHz.

1.6 EUT Operation Modes

Mode #	Description
1	Continuous transmit
2	Transmit normal operation
3	Standby (receive)

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2.0 Summary

The tests listed in the Summary of Testing section of this report have been performed and the results recorded by Underwriters Laboratories Inc. in accordance with the procedures stated in each test requirement and specification. The applicant determined the list of tests performed were applicable to the Equipment Under Test. As a result, the subject product has been verified to comply or not comply as noted in the Summary of Testing with each test specification. The test results relate only to the items tested.

2.1 Deviations from standard test methods

None

2.2 Device Modifications Necessary for Compliance

None

2.3 Reference Standards

Standard Number	Standard Name	Standard Date
CFR 47	FCC Part 15, Subpart C, 15.31, 15.35, 15.207 & 15.209, & 15.249	2007
CFR 47	FCC Part 15, Subpart B, Class B Radio Frequency Devices	2007
ICES-003, Issue 4	Spectrum Management and Telecommunications Policy Interference-Causing Equipment Standard: Digital Apparatus	2003
RSS- 210, Issue 7	Low-power License-exempt Radio communications Devices (All Frequency Bands): Category I Equipment sets out certification requirements for low-power license- exempt radio communication devices that are Category I equipment.	2007
RSS-GEN, Issue 2	General Requirements and Information for the Certification of Radio communication equipment.	2007

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2.4 Results Summary

This product is considered Class B

Requirement – Test	Result
Conducted Emissions - Unintentional	Compliant
Radiated Emissions - Unintentional	Compliant
Conducted Emissions	Compliant
General Radiated Emissions	Compliant
Spurious Radiated Emissions	Compliant
Fundamental Radiated Emissions	Compliant
Occupied Bandwidth	Compliant

Test Engineer:



Joe Danisi (Ext.23055)
Lead Engineering Associate
International EMC Services
Conformity Assessment Services -

Reviewer:



Bob DeLisi (Ext.22452)
Senior Staff Engineer
International EMC Services
Conformity Assessment Services

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

3.0 Calibration of Equipment Used for Measurement

All test equipment and test accessories are calibrated on a regular basis. The maximum time between calibrations is one year or the manufacturers' recommendation whichever is less.

All test equipment calibrations are traceable to the National Institute of Standards and Technology (NIST); therefore, all test data recorded in this report is traceable to NIST.

4.0 EMISSIONS TEST RESULTS

The emissions tests were performed according to following regulations:

----- United States -----

FCC Part 15, Subpart C, 15.207, 15.209, & 15.249.	Code of Federal Regulations, Part 15, and Subpart C, Radio Frequency Devices: 2007.
FCC Part 15, Subpart B, 15.107 & 15.109	Code of Federal Regulations, Part 15, Subpart B, Radio Frequency Devices: 2007.

----- Industry Canada -----

Radio Standards Specification 210, Issue 7	Low-power License-exempt Radio communications Devices (All Frequency Bands): Category I Equipment sets out certification requirements for low-power license- exempt radio communication devices that are Category I equipment. 2007
RSS-GEN, Issue 2	General Requirements and Information for the Certification of Radio communication Equipment.
ICES-003, Issue 4	Spectrum Management and Telecommunications Policy Interference-Causing Equipment Standard: Digital Apparatus. 2004

Unless specified otherwise in the individual Methods, the tests shall be conducted under the following ambient conditions. Confirmation of these conditions shall be verified at the time the test is conducted.

Ambient Temperature, °C	22.5 ± 2.5	Relative Humidity, %	45 ± 15	Barometric Pressure, mBar	950 ± 150
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4.1 Test Conditions and Results – MAINS TERMINAL – CONDUCTED EMISSIONS

Test Description	Measurements were made on a ground plane. All power was connected to the system through Artificial Mains Network (AMN). Conducted voltage measurements on mains lines were made at the output of the AMN.	
Basic Standard	FCC Part 15, Subpart C, 15.207, RSS-210	
UL LPG	80-EM-S0026	
	Frequency range on each side of line	Measurement Point
Fully configured sample scanned over the following frequency range	150kHz to 30MHz	Mains
Limits - Class B		
Frequency (MHz)	Limit (dB μ V)	
	Quasi-Peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50
Supplementary information: None		

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 Client Name: Leviton Mfg. Co. Inc.
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Table 1 Conducted Emissions EUT Configuration Settings

Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1-6	1	1
Supplementary information: None		

Table 2 Conducted Emissions Test Equipment

Test Equipment Used			
Description	Manufacturer	Model	Identifier
Conducted Emissions – Shield Room			
Spectrum Analyzer	Agilent	E7402A	ME5B-123
LISN	EMCO	3825/2R	ME5-629
Switch Driver	HP	11713A	44403
RF Switch Box	UL	2	44400
Measurement Software	UL	Version 9.3	44743
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	43736
Multimeter	Fluke	83V	43443

Test Equipment Used			
Description	Manufacturer	Model	Identifier
Conducted Emissions – GP 1			
Spectrum Analyzer	Agilent	E7402A	ME5B-123
LISN	EMCO	3825/2R	ME5-790
Switch Driver	HP	11713A	44397
RF Switch Box	UL	4	44404
Measurement Software	UL	Version 9.3	44736
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	43734

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Client Name: Leviton Mfg. Co. Inc.
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IC Number: 2473A-VRSDC

Figure 1 Test Setup for Conducted Emissions



Figure 2 Conducted Emissions Graph

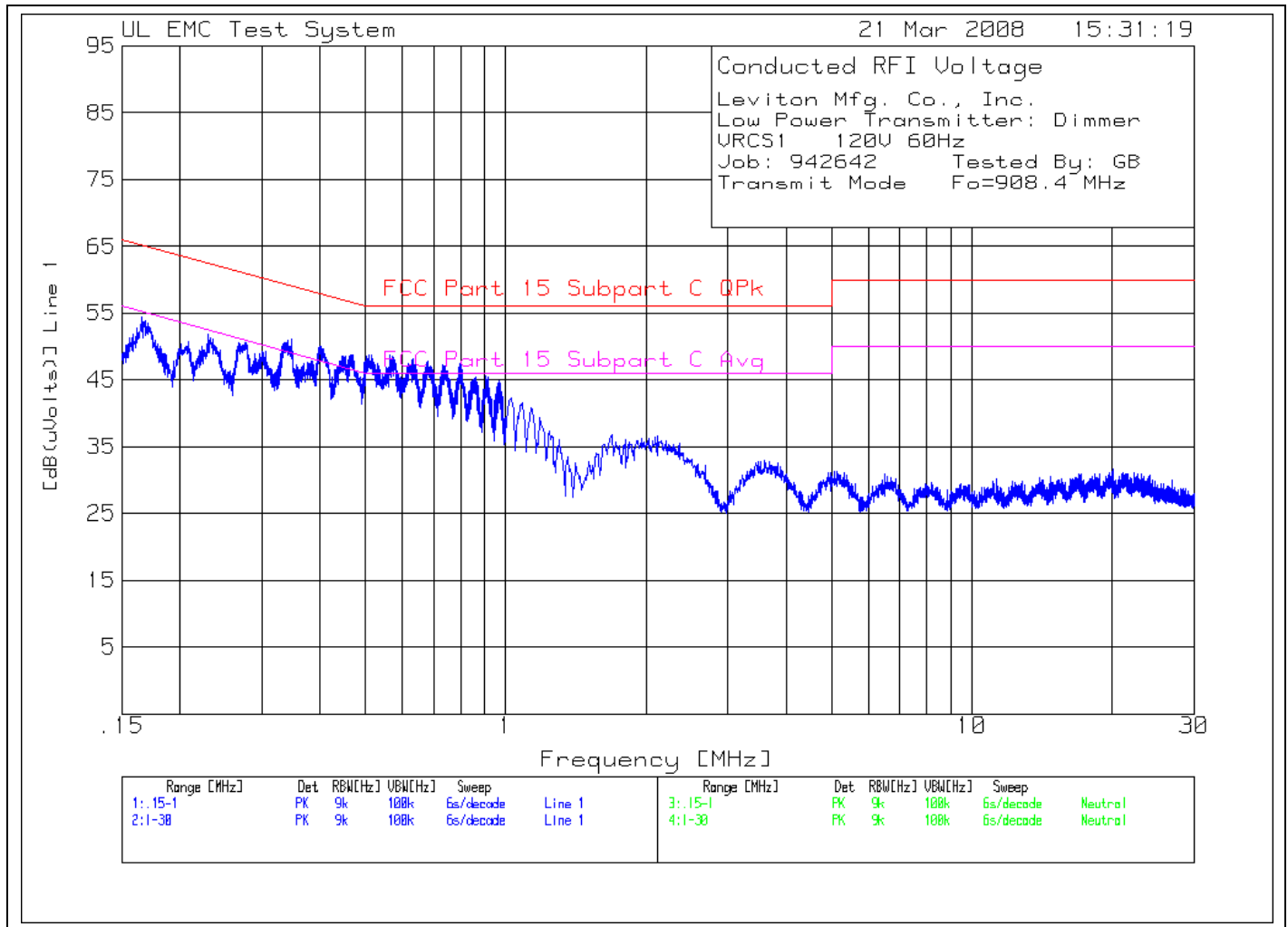
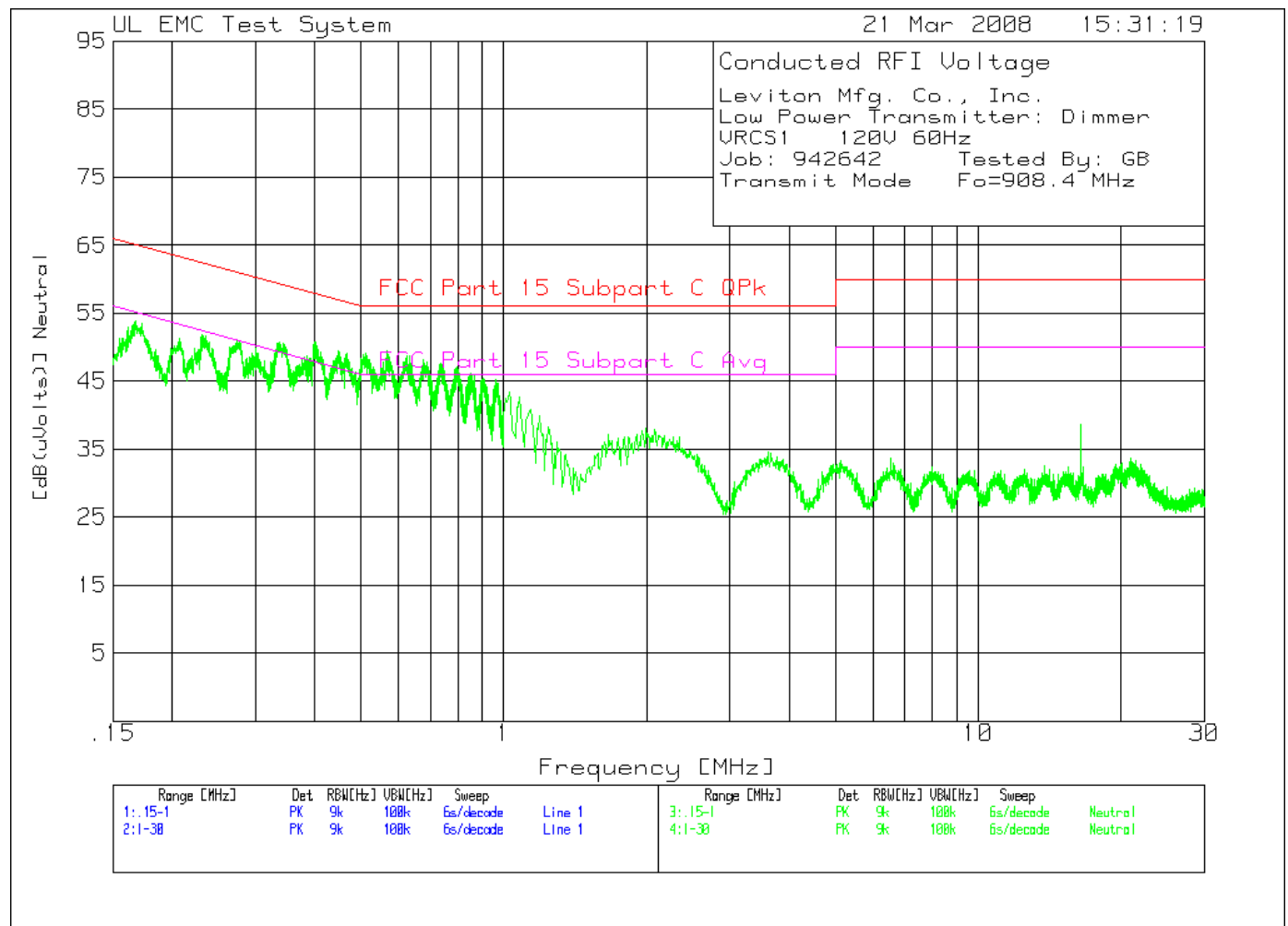


Figure 3 Conducted Emissions Graph



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 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 3 Conducted Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Line 1 .15 - 1MHz -----											
1	.16866	41.97 pk	11.8	0	53.77	65	55	-	-	-	-
				Margin [dB]		-11.23	-1.23	-	-	-	-
2	.20852	39.42 pk	11.3	0	50.72	63.3	53.3	-	-	-	-
				Margin [dB]		-12.58	-2.58	-	-	-	-
3	.23545	39.93 pk	11.1	0	51.03	62.3	52.3	-	-	-	-
				Margin [dB]		-11.27	-1.27	-	-	-	-
4	.27615	39.73 pk	10.9	0	50.63	60.9	50.9	-	-	-	-
				Margin [dB]		-10.27	-.27	-	-	-	-
5	.2999	38.48 pk	10.8	0	49.28	60.2	50.2	-	-	-	-
				Margin [dB]		-10.92	-.92	-	-	-	-
6	.34718	40.35 pk	10.7	0	51.05	59	49	-	-	-	-
				Margin [dB]		-7.95	2.05	-	-	-	-
7	.40061	39.33 pk	10.6	0	49.93	57.8	47.8	-	-	-	-
				Margin [dB]		-7.87	2.13	-	-	-	-
8	.45298	38.03 pk	10.5	0	48.53	56.8	46.8	-	-	-	-
				Margin [dB]		-8.27	1.73	-	-	-	-
9	.51956	37.64 pk	10.5	0	48.14	56	46	-	-	-	-
				Margin [dB]		-7.86	2.14	-	-	-	-
10	.57044	38.11 pk	10.4	0	48.51	56	46	-	-	-	-
				Margin [dB]		-7.49	2.51	-	-	-	-
11	.63129	37.68 pk	10.4	0	48.08	56	46	-	-	-	-
				Margin [dB]		-7.92	2.08	-	-	-	-
12	.67985	37.36 pk	10.4	0	47.76	56	46	-	-	-	-
				Margin [dB]		-8.24	1.76	-	-	-	-
13	.74769	35.93 pk	10.4	0	46.33	56	46	-	-	-	-
				Margin [dB]		-9.67	.33	-	-	-	-
14	.80494	36.04 pk	10.4	0	46.44	56	46	-	-	-	-
				Margin [dB]		-9.56	.44	-	-	-	-
15	.86473	34.45 pk	10.4	0	44.85	56	46	-	-	-	-
				Margin [dB]		-11.15	-1.15	-	-	-	-
16	.91731	34.94 pk	10.4	0	45.34	56	46	-	-	-	-
				Margin [dB]		-10.66	-.66	-	-	-	-
17	.97011	34.53 pk	10.4	0	44.93	56	46	-	-	-	-
				Margin [dB]		-11.07	-1.07	-	-	-	-
Line 1 1 - 30MHz -----											
18	1.02894	31.83 pk	10.4	0	42.23	56	46	-	-	-	-
				Margin [dB]		-13.77	-3.77	-	-	-	-
19	1.08681	31.09 pk	10.4	0	41.49	56	46	-	-	-	-
				Margin [dB]		-14.51	-4.51	-	-	-	-
20	1.13021	30.42 pk	10.4	0	40.82	56	46	-	-	-	-
				Margin [dB]		-15.18	-5.18	-	-	-	-
21	1.18084	28.9 pk	10.4	0	39.3	56	46	-	-	-	-
				Margin [dB]		-16.7	-6.7	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

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 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Neutral	.15 - 1MHz	-----									
22	.16802	42.05 pk	11.8	0	53.85	65.1	55.1	-	-	-	-
				Margin [dB]		-11.25	-1.25	-	-	-	-
23	.20682	39.97 pk	11.3	0	51.27	63.3	53.3	-	-	-	-
				Margin [dB]		-12.03	-2.03	-	-	-	-
24	.23163	40.76 pk	11.1	0	51.86	62.4	52.4	-	-	-	-
				Margin [dB]		-10.54	-.54	-	-	-	-
25	.27827	40.01 pk	10.9	0	50.91	60.9	50.9	-	-	-	-
				Margin [dB]		-9.99	.01	-	-	-	-
26	.29948	39.04 pk	10.8	0	49.84	60.3	50.3	-	-	-	-
				Margin [dB]		-10.46	-.46	-	-	-	-
27	.33743	40.03 pk	10.7	0	50.73	59.3	49.3	-	-	-	-
				Margin [dB]		-8.57	1.43	-	-	-	-
28	.40104	40.22 pk	10.6	0	50.82	57.8	47.8	-	-	-	-
				Margin [dB]		-6.98	3.02	-	-	-	-
29	.45044	38.75 pk	10.5	0	49.25	56.9	46.9	-	-	-	-
				Margin [dB]		-7.65	2.35	-	-	-	-
30	.51341	38.6 pk	10.5	0	49.1	56	46	-	-	-	-
				Margin [dB]		-6.9	3.1	-	-	-	-
31	.56938	38.98 pk	10.4	0	49.38	56	46	-	-	-	-
				Margin [dB]		-6.62	3.38	-	-	-	-
32	.63405	38.35 pk	10.4	0	48.75	56	46	-	-	-	-
				Margin [dB]		-7.25	2.75	-	-	-	-
33	.67836	37.68 pk	10.4	0	48.08	56	46	-	-	-	-
				Margin [dB]		-7.92	2.08	-	-	-	-
34	.73773	37.18 pk	10.4	0	47.58	56	46	-	-	-	-
				Margin [dB]		-8.42	1.58	-	-	-	-
35	.799	36.39 pk	10.4	0	46.79	56	46	-	-	-	-
				Margin [dB]		-9.21	.79	-	-	-	-
36	.85795	35.64 pk	10.4	0	46.04	56	46	-	-	-	-
				Margin [dB]		-9.96	.04	-	-	-	-
37	.90544	35 pk	10.4	0	45.4	56	46	-	-	-	-
				Margin [dB]		-10.6	-.6	-	-	-	-
38	.96268	34.74 pk	10.4	0	45.14	56	46	-	-	-	-
				Margin [dB]		-10.86	-.86	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - average detector
 avlg - average log detection
 ave - average detection
 cav - CISPR average detection

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 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Neutral 1 - 30MHz -----											
39	1.02894	33.05 pk	10.4	0	43.45	56	46	-	-	-	-
				Margin [dB]		-12.55	-2.55	-	-	-	-
40	1.07957	32.3 pk	10.4	0	42.7	56	46	-	-	-	-
				Margin [dB]		-13.3	-3.3	-	-	-	-
41	1.13744	30.42 pk	10.4	0	40.82	56	46	-	-	-	-
				Margin [dB]		-15.18	-5.18	-	-	-	-
42	1.18808	29.55 pk	10.4	0	39.95	56	46	-	-	-	-
				Margin [dB]		-16.05	-6.05	-	-	-	-
43	16.45847	27.1 pk	11.6	0	38.7	60	50	-	-	-	-
				Margin [dB]		-21.3	-11.3	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - average detector
 avlg - average log detection
 ave - average detection
 cav - CISPR average detection

Project Number: 942642 File Number: MC15211 Page 20 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====										
Line 1 .15 - 1MHz										
.16866	36.44 ave	11.8	0	48.24	65	55	-	-	-	-
			Margin [dB]:	-16.76	-6.76	-	-	-	-	-
.20852	33.95 ave	11.3	0	45.25	63.3	53.3	-	-	-	-
			Margin [dB]:	-18.05	-8.05	-	-	-	-	-
.23545	33.47 ave	11.1	0	44.57	62.3	52.3	-	-	-	-
			Margin [dB]:	-17.73	-7.73	-	-	-	-	-
.27615	33.69 ave	10.9	0	44.59	60.9	50.9	-	-	-	-
			Margin [dB]:	-16.31	-6.31	-	-	-	-	-
.2999	30.5 ave	10.8	0	41.3	60.2	50.2	-	-	-	-
			Margin [dB]:	-18.9	-8.9	-	-	-	-	-
.34718	32.4 ave	10.7	0	43.1	59	49	-	-	-	-
			Margin [dB]:	-15.9	-5.9	-	-	-	-	-
.40061	31.28 ave	10.6	0	41.88	57.8	47.8	-	-	-	-
			Margin [dB]:	-15.92	-5.92	-	-	-	-	-
.45298	30.48 ave	10.5	0	40.98	56.8	46.8	-	-	-	-
			Margin [dB]:	-15.82	-5.82	-	-	-	-	-
.51956	29.95 ave	10.5	0	40.45	56	46	-	-	-	-
			Margin [dB]:	-15.55	-5.55	-	-	-	-	-
.57044	30.09 ave	10.4	0	40.49	56	46	-	-	-	-
			Margin [dB]:	-15.51	-5.51	-	-	-	-	-
.63129	28.73 ave	10.4	0	39.13	56	46	-	-	-	-
			Margin [dB]:	-16.87	-6.87	-	-	-	-	-
.67985	28.74 ave	10.4	0	39.14	56	46	-	-	-	-
			Margin [dB]:	-16.86	-6.86	-	-	-	-	-
.74769	26.81 ave	10.4	0	37.21	56	46	-	-	-	-
			Margin [dB]:	-18.79	-8.79	-	-	-	-	-
.80494	27.19 ave	10.4	0	37.59	56	46	-	-	-	-
			Margin [dB]:	-18.41	-8.41	-	-	-	-	-
.86473	24.38 ave	10.4	0	34.78	56	46	-	-	-	-
			Margin [dB]:	-21.22	-11.22	-	-	-	-	-
.91731	24.28 ave	10.4	0	34.68	56	46	-	-	-	-
			Margin [dB]:	-21.32	-11.32	-	-	-	-	-
.97011	24.5 ave	10.4	0	34.9	56	46	-	-	-	-
			Margin [dB]:	-21.1	-11.1	-	-	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C,QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 21 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====										
Line 1 1 - 30MHz										
1.0299	25.07 ave	10.4	0	35.47	56	46	-	-	-	-
			Margin [dB]:		-20.53	-10.53	-	-	-	-
1.08681	23.83 ave	10.4	0	34.23	56	46	-	-	-	-
			Margin [dB]:		-21.77	-11.77	-	-	-	-
1.13021	21.66 ave	10.4	0	32.06	56	46	-	-	-	-
			Margin [dB]:		-23.94	-13.94	-	-	-	-
1.18084	20.35 ave	10.4	0	30.75	56	46	-	-	-	-
			Margin [dB]:		-25.25	-15.25	-	-	-	-
Neutral .15 - 1MHz										
.16802	36.3 ave	11.8	0	48.1	65.1	55.1	-	-	-	-
			Margin [dB]:		-17	-7	-	-	-	-
.20682	34.27 ave	11.3	0	45.57	63.3	53.3	-	-	-	-
			Margin [dB]:		-17.73	-7.73	-	-	-	-
.23163	32.86 ave	11.1	0	43.96	62.4	52.4	-	-	-	-
			Margin [dB]:		-18.44	-8.44	-	-	-	-
.27827	34.05 ave	10.9	0	44.95	60.9	50.9	-	-	-	-
			Margin [dB]:		-15.95	-5.95	-	-	-	-
.29948	30.52 ave	10.8	0	41.32	60.3	50.3	-	-	-	-
			Margin [dB]:		-18.98	-8.98	-	-	-	-
.33743	32.84 ave	10.7	0	43.54	59.3	49.3	-	-	-	-
			Margin [dB]:		-15.76	-5.76	-	-	-	-
.40104	31.12 ave	10.6	0	41.72	57.8	47.8	-	-	-	-
			Margin [dB]:		-16.08	-6.08	-	-	-	-
.45044	-4.06 ave	10.5	0	6.44	56.9	46.9	-	-	-	-
			Margin [dB]:		-50.46	-40.46	-	-	-	-
.51341	30.44 ave	10.5	0	40.94	56	46	-	-	-	-
			Margin [dB]:		-15.06	-5.06	-	-	-	-
.56938	23.57 ave	10.4	0	33.97	56	46	-	-	-	-
			Margin [dB]:		-22.03	-12.03	-	-	-	-
.63405	20.73 ave	10.4	0	31.13	56	46	-	-	-	-
			Margin [dB]:		-24.87	-14.87	-	-	-	-
.67836	-4.41 ave	10.4	0	5.99	56	46	-	-	-	-
			Margin [dB]:		-50.01	-40.01	-	-	-	-
.73773	20.34 ave	10.4	0	30.74	56	46	-	-	-	-
			Margin [dB]:		-25.26	-15.26	-	-	-	-
.799	-4.57 ave	10.4	0	5.83	56	46	-	-	-	-
			Margin [dB]:		-50.17	-40.17	-	-	-	-
.85795	14.46 ave	10.4	0	24.86	56	46	-	-	-	-
			Margin [dB]:		-31.14	-21.14	-	-	-	-
.90544	15.34 ave	10.4	0	25.74	56	46	-	-	-	-
			Margin [dB]:		-30.26	-20.26	-	-	-	-
.96268	11.72 ave	10.4	0	22.12	56	46	-	-	-	-
			Margin [dB]:		-33.88	-23.88	-	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

Project Number: 942642 File Number: MC15211 Page 22 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

LIMIT 1: FCC Part 15 Subpart C, QPk
LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 23 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

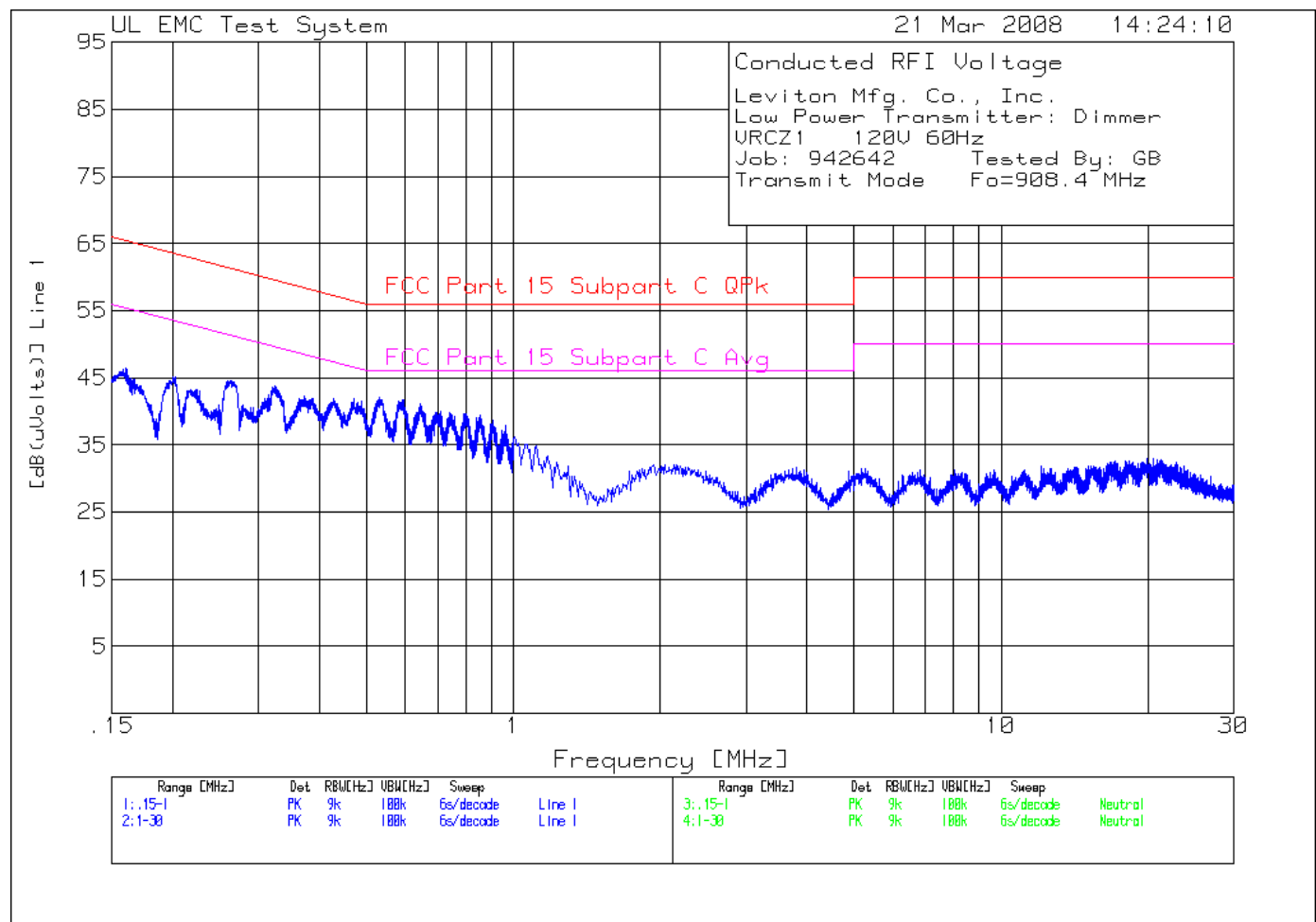
Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====										
Neutral 1 - 30MHz										
1.0299	11.62 ave	10.4	0	22.02	56	46	-	-	-	-
			Margin [dB]:		-33.98	-23.98	-	-	-	-
1.07957	9.02 ave	10.4	0	19.42	56	46	-	-	-	-
			Margin [dB]:		-36.58	-26.58	-	-	-	-
1.13744	6.6 ave	10.4	0	17	56	46	-	-	-	-
			Margin [dB]:		-39	-29	-	-	-	-
1.18808	4.4 ave	10.4	0	14.8	56	46	-	-	-	-
			Margin [dB]:		-41.2	-31.2	-	-	-	-
16.45847	-6.58 ave	11.6	0	5.02	60	50	-	-	-	-
			Margin [dB]:		-54.98	-44.98	-	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

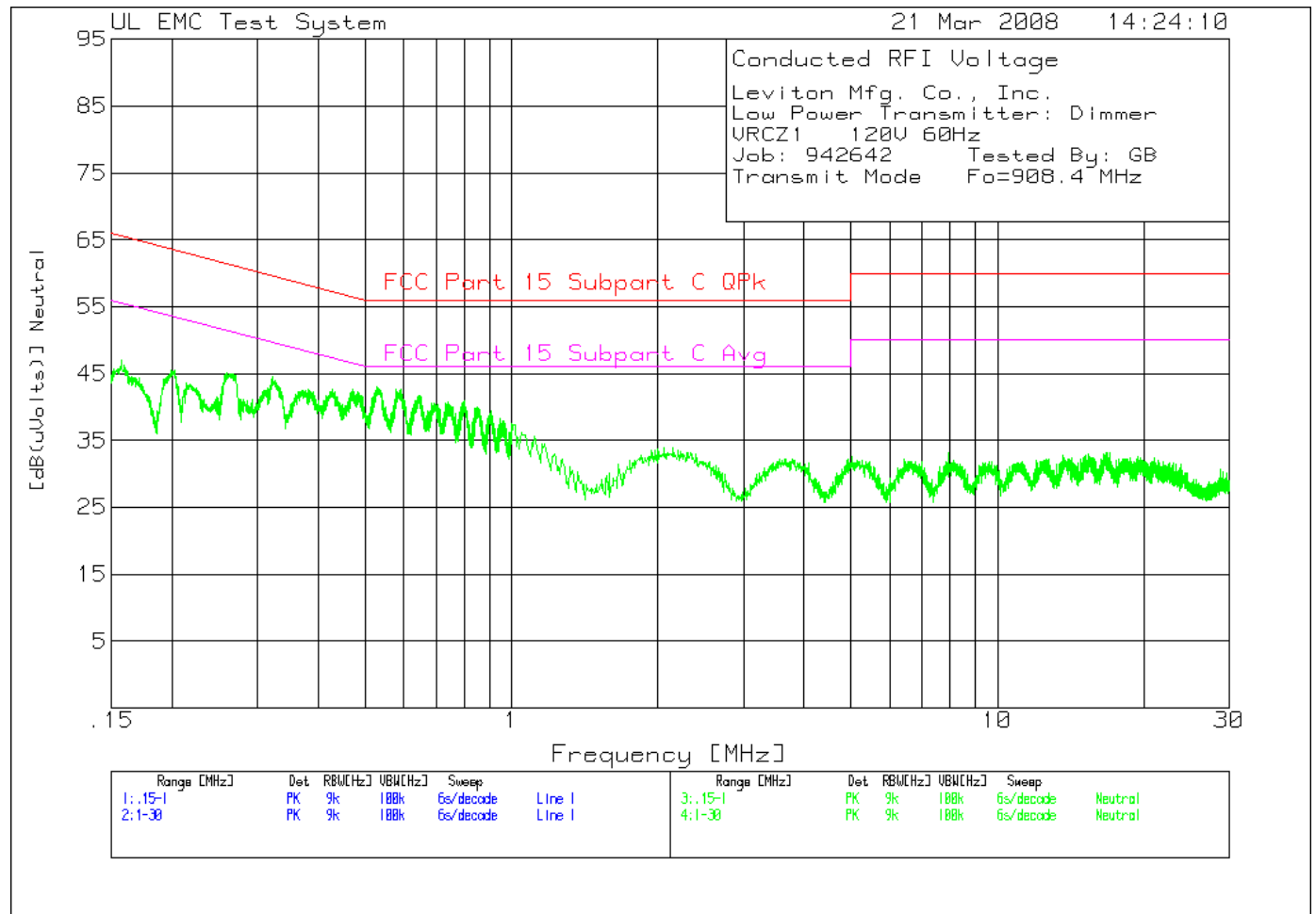
LIMIT 1: FCC Part 15 Subpart C,QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Figure 4 Conducted Emissions Graph



Project Number: 942642 File Number: MC15211 Page 25 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

Figure 5 Conducted Emissions Graph



Project Number: 942642 File Number: MC15211 Page 26 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 4 Conducted Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCZ1 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Line 1 .15 - 1MHz -----											
1	.32471	33.08 pk	10.7	0	43.78	59.6	49.6	-	-	-	-
				Margin [dB]		-15.82	-5.82	-	-	-	-
2	.42627	31.37 pk	10.6	0	41.97	57.3	47.3	-	-	-	-
				Margin [dB]		-15.33	-5.33	-	-	-	-
3	.53122	31.57 pk	10.5	0	42.07	56	46	-	-	-	-
				Margin [dB]		-13.93	-3.93	-	-	-	-
4	.58253	31.06 pk	10.4	0	41.46	56	46	-	-	-	-
				Margin [dB]		-14.54	-4.54	-	-	-	-
5	.64211	30.83 pk	10.4	0	41.23	56	46	-	-	-	-
				Margin [dB]		-14.77	-4.77	-	-	-	-
6	.78967	29.3 pk	10.4	0	39.7	56	46	-	-	-	-
				Margin [dB]		-16.3	-6.3	-	-	-	-
Neutral .15 - 1MHz -----											
7	.3211	33.91 pk	10.7	0	44.61	59.7	49.7	-	-	-	-
				Margin [dB]		-15.09	-5.09	-	-	-	-
8	.38217	32.04 pk	10.6	0	42.64	58.2	48.2	-	-	-	-
				Margin [dB]		-15.56	-5.56	-	-	-	-
9	.47058	32.23 pk	10.5	0	42.73	56.5	46.5	-	-	-	-
				Margin [dB]		-13.77	-3.77	-	-	-	-
10	.58974	32 pk	10.4	0	42.4	56	46	-	-	-	-
				Margin [dB]		-13.6	-3.6	-	-	-	-
11	.53058	32.32 pk	10.5	0	42.82	56	46	-	-	-	-
				Margin [dB]		-13.18	-3.18	-	-	-	-
12	.799	30.54 pk	10.4	0	40.94	56	46	-	-	-	-
				Margin [dB]		-15.06	-5.06	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - average detector
 avlg - average log detection
 ave - average detection
 cav - CISPR average detection

Project Number: 942642 File Number: MC15211 Page 27 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCZ1 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====										
Line 1 .15 - 1MHz										
.32471	24.73 ave	10.7	0	35.43	59.6	49.6	-	-	-	-
			Margin [dB]:		-24.17	-14.17	-	-	-	-
.42627	25.28 ave	10.6	0	35.88	57.3	47.3	-	-	-	-
			Margin [dB]:		-21.42	-11.42	-	-	-	-
.53122	22.6 ave	10.5	0	33.1	56	46	-	-	-	-
			Margin [dB]:		-22.9	-12.9	-	-	-	-
.58253	23.63 ave	10.4	0	34.03	56	46	-	-	-	-
			Margin [dB]:		-21.97	-11.97	-	-	-	-
.64211	21.65 ave	10.4	0	32.05	56	46	-	-	-	-
			Margin [dB]:		-23.95	-13.95	-	-	-	-
.78967	20.64 ave	10.4	0	31.04	56	46	-	-	-	-
			Margin [dB]:		-24.96	-14.96	-	-	-	-
Neutral .15 - 1MHz										
.3211	25.35 ave	10.7	0	36.05	59.7	49.7	-	-	-	-
			Margin [dB]:		-23.65	-13.65	-	-	-	-
.38217	22.18 ave	10.6	0	32.78	58.2	48.2	-	-	-	-
			Margin [dB]:		-25.42	-15.42	-	-	-	-
.47058	21.52 ave	10.5	0	32.02	56.5	46.5	-	-	-	-
			Margin [dB]:		-24.48	-14.48	-	-	-	-
.58974	-3.91 ave	10.4	0	6.49	56	46	-	-	-	-
			Margin [dB]:		-49.51	-39.51	-	-	-	-
.53058	20.4 ave	10.5	0	30.9	56	46	-	-	-	-
			Margin [dB]:		-25.1	-15.1	-	-	-	-
.799	16.89 ave	10.4	0	27.29	56	46	-	-	-	-
			Margin [dB]:		-28.71	-18.71	-	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Figure 6 Conducted Emissions Graph

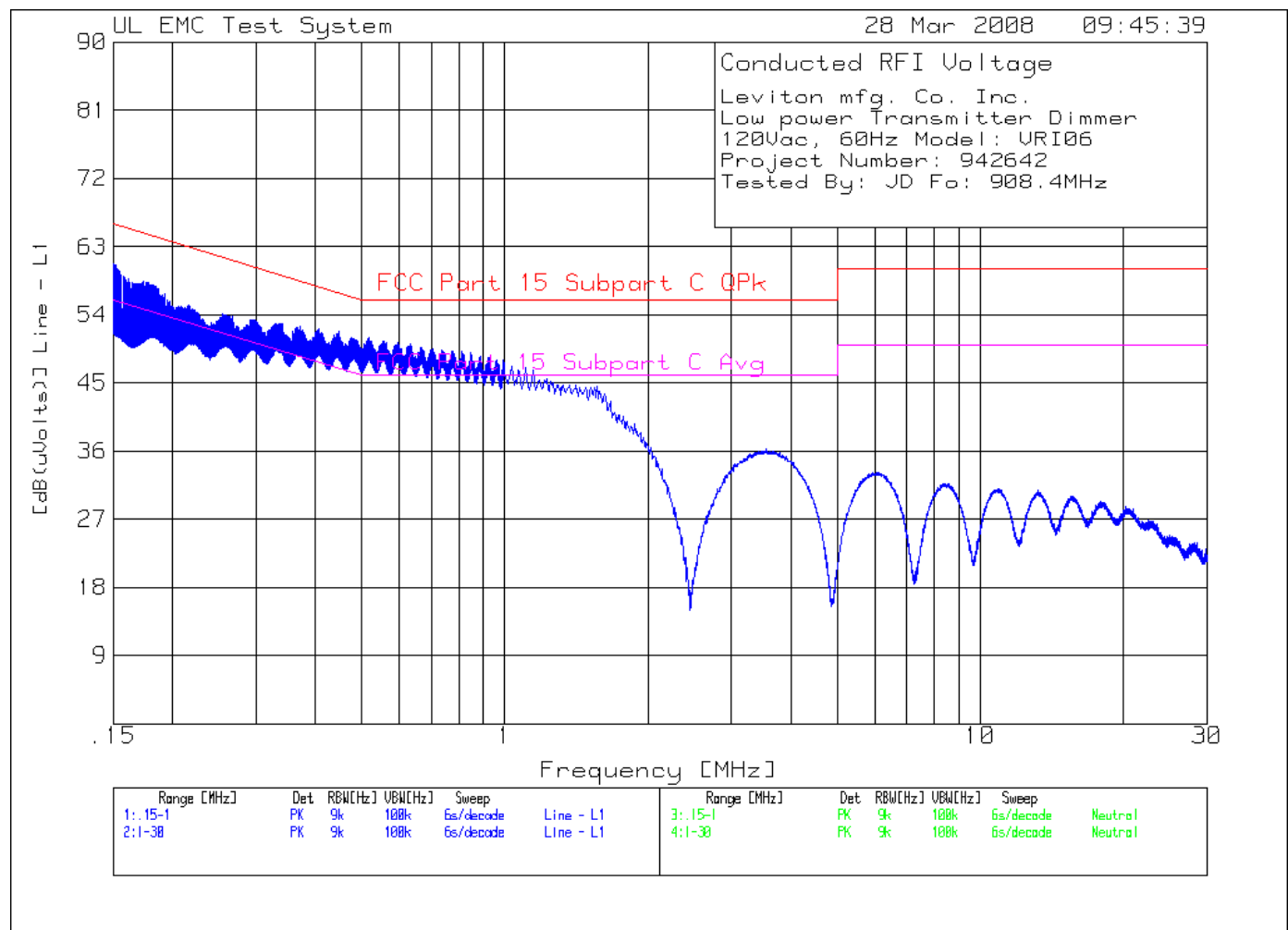
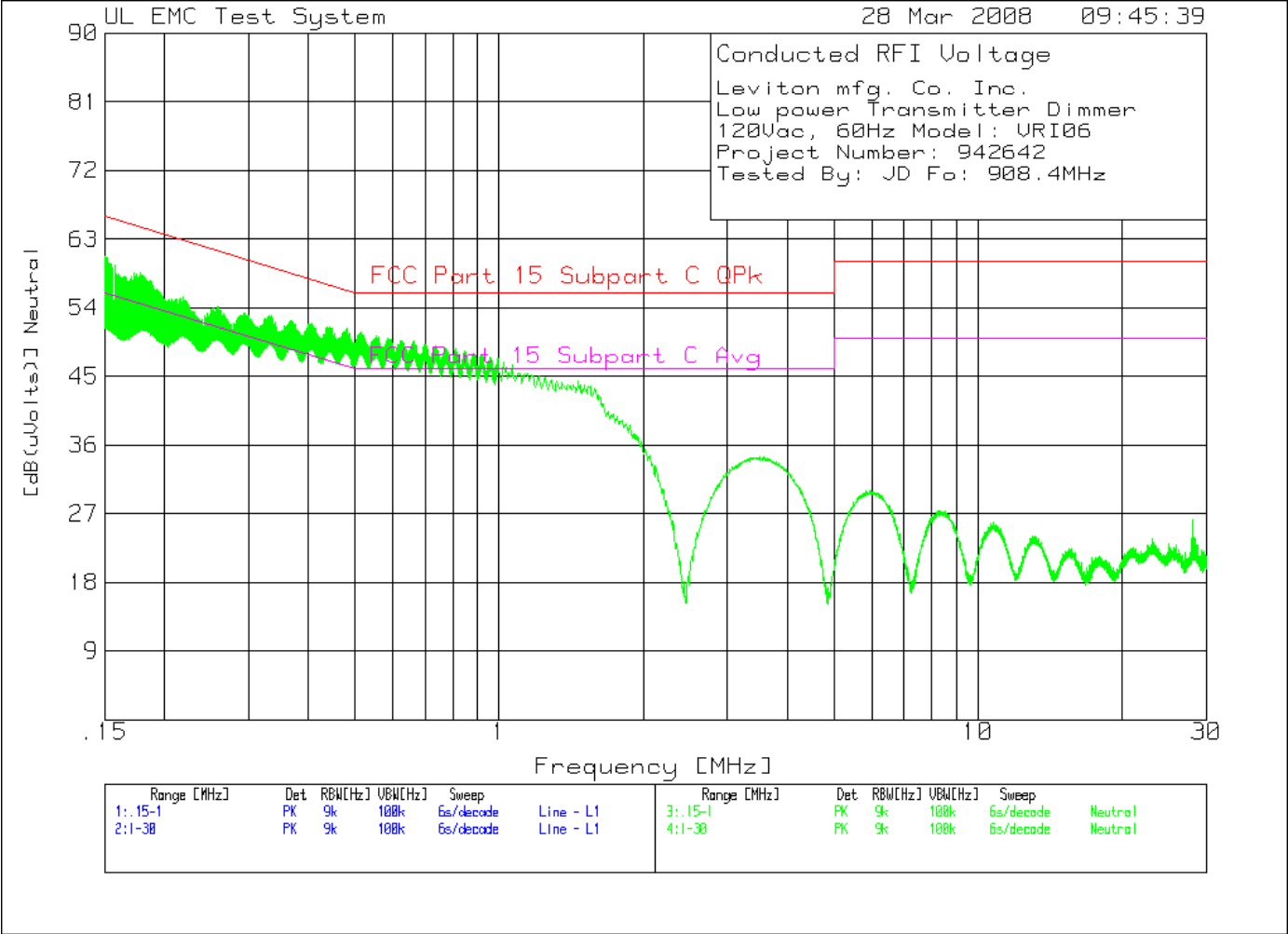


Figure 7 Conducted Emissions Graph



Project Number: 942642 File Number: MC15211 Page 30 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 5 Conducted Emissions Data Points

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI06
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Line - L1 .15 - 1MHz -----											
1	.15017	48.62 pk	12.1	0	60.72	66	56	-	-	-	-
				Margin [dB]		-5.28	4.72	-	-	-	-
2	.17091	46.35 pk	11.8	0	58.15	64.9	54.9	-	-	-	-
				Margin [dB]		-6.75	3.25	-	-	-	-
3	.18554	45.9 pk	11.6	0	57.5	64.2	54.2	-	-	-	-
				Margin [dB]		-6.7	3.3	-	-	-	-
4	.1971	44.45 pk	11.4	0	55.85	63.7	53.7	-	-	-	-
				Margin [dB]		-7.85	2.15	-	-	-	-
5	.2158	43.93 pk	11.3	0	55.23	63	53	-	-	-	-
				Margin [dB]		-7.77	2.23	-	-	-	-
6	.26154	42.83 pk	11	0	53.83	61.4	51.4	-	-	-	-
				Margin [dB]		-7.57	2.43	-	-	-	-
7	.29691	42.35 pk	10.9	0	53.25	60.3	50.3	-	-	-	-
				Margin [dB]		-7.05	2.95	-	-	-	-
8	.34061	42.04 pk	10.7	0	52.74	59.2	49.2	-	-	-	-
				Margin [dB]		-6.46	3.54	-	-	-	-
9	.37802	41.09 pk	10.6	0	51.69	58.3	48.3	-	-	-	-
				Margin [dB]		-6.61	3.39	-	-	-	-
10	.4042	41.38 pk	10.6	0	51.98	57.8	47.8	-	-	-	-
				Margin [dB]		-5.82	4.18	-	-	-	-
11	.45419	39.98 pk	10.5	0	50.48	56.8	46.8	-	-	-	-
				Margin [dB]		-6.32	3.68	-	-	-	-
12	.55451	40.06 pk	10.5	0	50.56	56	46	-	-	-	-
				Margin [dB]		-5.44	4.56	-	-	-	-
13	.70482	39.07 pk	10.4	0	49.47	56	46	-	-	-	-
				Margin [dB]		-6.53	3.47	-	-	-	-
14	.8014	37.05 pk	10.4	0	47.45	56	46	-	-	-	-
				Margin [dB]		-8.55	1.45	-	-	-	-
15	.9376	36.2 pk	10.4	0	46.6	56	46	-	-	-	-
				Margin [dB]		-9.4	.6	-	-	-	-
Line - L1 1 - 30MHz -----											
16	1.03481	36.87 pk	10.4	0	47.27	56	46	-	-	-	-
				Margin [dB]		-8.73	1.27	-	-	-	-
17	1.22625	35.22 pk	10.3	0	45.52	56	46	-	-	-	-
				Margin [dB]		-10.48	-.48	-	-	-	-
18	1.56271	34.2 pk	10.3	0	44.5	56	46	-	-	-	-
				Margin [dB]		-11.5	-1.5	-	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk

Project Number: 942642 File Number: MC15211 Page 31 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 32 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI06
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Neutral .15 - 1MHz -----											
19	.15119	48.55 pk	12.1	0	60.65	65.9	55.9	-	-	-	-
				Margin [dB]		-5.25	4.75	-	-	-	-
20	.17108	46.31 pk	11.8	0	58.11	64.9	54.9	-	-	-	-
				Margin [dB]		-6.79	3.21	-	-	-	-
21	.18044	46.64 pk	11.7	0	58.34	64.5	54.5	-	-	-	-
				Margin [dB]		-6.16	3.84	-	-	-	-
22	.19404	44.77 pk	11.5	0	56.27	63.9	53.9	-	-	-	-
				Margin [dB]		-7.63	2.37	-	-	-	-
23	.21903	44.15 pk	11.3	0	55.45	62.9	52.9	-	-	-	-
				Margin [dB]		-7.45	2.55	-	-	-	-
24	.26222	42.63 pk	11	0	53.63	61.4	51.4	-	-	-	-
				Margin [dB]		-7.77	2.23	-	-	-	-
25	.29453	42.38 pk	10.9	0	53.28	60.4	50.4	-	-	-	-
				Margin [dB]		-7.12	2.88	-	-	-	-
26	.33483	42.09 pk	10.8	0	52.89	59.3	49.3	-	-	-	-
				Margin [dB]		-6.41	3.59	-	-	-	-
27	.40046	41.22 pk	10.6	0	51.82	57.8	47.8	-	-	-	-
				Margin [dB]		-5.98	4.02	-	-	-	-
28	.48276	40.26 pk	10.5	0	50.76	56.3	46.3	-	-	-	-
				Margin [dB]		-5.54	4.46	-	-	-	-
29	.51523	40.36 pk	10.5	0	50.86	56	46	-	-	-	-
				Margin [dB]		-5.14	4.86	-	-	-	-
30	.61079	37.92 pk	10.5	0	48.42	56	46	-	-	-	-
				Margin [dB]		-7.58	2.42	-	-	-	-
31	.67064	38.64 pk	10.4	0	49.04	56	46	-	-	-	-
				Margin [dB]		-6.96	3.04	-	-	-	-
32	.77641	38.17 pk	10.4	0	48.57	56	46	-	-	-	-
				Margin [dB]		-7.43	2.57	-	-	-	-
33	.92553	37.16 pk	10.4	0	47.56	56	46	-	-	-	-
				Margin [dB]		-8.44	1.56	-	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 33 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI06
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Neutral 1 - 30MHz -----											
34	1.02321	36.4 pk	10.4	0	46.8	56	46	-	-	-	-
				Margin [dB]		-9.2	.8	-	-	-	-
35	1.09862	35.05 pk	10.4	0	45.45	56	46	-	-	-	-
				Margin [dB]		-10.55	-.55	-	-	-	-
36	1.29006	34.2 pk	10.3	0	44.5	56	46	-	-	-	-
				Margin [dB]		-11.5	-1.5	-	-	-	-
37	1.46409	34.03 pk	10.3	0	44.33	56	46	-	-	-	-
				Margin [dB]		-11.67	-1.67	-	-	-	-
38	1.60912	32.1 pk	10.4	0	42.5	56	46	-	-	-	-
				Margin [dB]		-13.5	-3.5	-	-	-	-
39	1.80636	28.89 pk	10.4	0	39.29	56	46	-	-	-	-
				Margin [dB]		-16.71	-6.71	-	-	-	-
40	1.9804	26.09 pk	10.4	0	36.49	56	46	-	-	-	-
				Margin [dB]		-19.51	-9.51	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection
 tm - Trace Math Result

Project Number: 942642 File Number: MC15211 Page 34 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI06
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 [dB(uVolts)]	2	3	4	5	6
=====									
Line - L1 .15 - 1MHz									
.15078	35.85 ave	12.1	0	47.95	66	56	-	-	-
			Margin [dB]:		-18.05	-8.05	-	-	-
.17218	35.7 ave	11.8	0	47.5	64.9	54.9	-	-	-
			Margin [dB]:		-17.4	-7.4	-	-	-
.18424	35.75 ave	11.6	0	47.35	64.3	54.3	-	-	-
			Margin [dB]:		-16.95	-6.95	-	-	-
.1958	34.18 ave	11.5	0	45.68	63.8	53.8	-	-	-
			Margin [dB]:		-18.12	-8.12	-	-	-
.21577	35.59 ave	11.3	0	46.89	63	53	-	-	-
			Margin [dB]:		-16.11	-6.11	-	-	-
.26005	35.01 ave	11	0	46.01	61.4	51.4	-	-	-
			Margin [dB]:		-15.39	-5.39	-	-	-
.29611	34.73 ave	10.9	0	45.63	60.4	50.4	-	-	-
			Margin [dB]:		-14.77	-4.77	-	-	-
.33916	33.57 ave	10.7	0	44.27	59.2	49.2	-	-	-
			Margin [dB]:		-14.93	-4.93	-	-	-
.37642	33.22 ave	10.6	0	43.82	58.4	48.4	-	-	-
			Margin [dB]:		-14.58	-4.58	-	-	-
.40307	34.49 ave	10.6	0	45.09	57.8	47.8	-	-	-
			Margin [dB]:		-12.71	-2.71	-	-	-
.45529	32.3 ave	10.5	0	42.8	56.8	46.8	-	-	-
			Margin [dB]:		-14	-4	-	-	-
.55309	33.36 ave	10.5	0	43.86	56	46	-	-	-
			Margin [dB]:		-12.14	-2.14	-	-	-
.70335	31.93 ave	10.4	0	42.33	56	46	-	-	-
			Margin [dB]:		-13.67	-3.67	-	-	-
.80082	32.95 ave	10.4	0	43.35	56	46	-	-	-
			Margin [dB]:		-12.65	-2.65	-	-	-
.93889	31.91 ave	10.4	0	42.31	56	46	-	-	-
			Margin [dB]:		-13.69	-3.69	-	-	-
Line - L1 1 - 30MHz									
1.02376	31.34 ave	10.4	0	41.74	56	46	-	-	-
			Margin [dB]:		-14.26	-4.26	-	-	-
1.19869	30.65 ave	10.3	0	40.95	56	46	-	-	-
			Margin [dB]:		-15.05	-5.05	-	-	-
1.54881	26.74 ave	10.3	0	37.04	56	46	-	-	-
			Margin [dB]:		-18.96	-8.96	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 35 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI06
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====										
Neutral .15 - 1MHz										
.15062	35.97 ave	12.1	0	48.07	66	56	-	-	-	-
			Margin [dB]:		-17.93	-7.93	-	-	-	-
.17236	35.77 ave	11.8	0	47.57	64.8	54.8	-	-	-	-
			Margin [dB]:		-17.23	-7.23	-	-	-	-
.18074	36.33 ave	11.6	0	47.93	64.5	54.5	-	-	-	-
			Margin [dB]:		-16.57	-6.57	-	-	-	-
.19288	34.38 ave	11.5	0	45.88	63.9	53.9	-	-	-	-
			Margin [dB]:		-18.02	-8.02	-	-	-	-
.2181	35.46 ave	11.3	0	46.76	62.9	52.9	-	-	-	-
			Margin [dB]:		-16.14	-6.14	-	-	-	-
.26071	34.9 ave	11	0	45.9	61.4	51.4	-	-	-	-
			Margin [dB]:		-15.5	-5.5	-	-	-	-
.29318	34.83 ave	10.9	0	45.73	60.4	50.4	-	-	-	-
			Margin [dB]:		-14.67	-4.67	-	-	-	-
.3333	34.47 ave	10.8	0	45.27	59.4	49.4	-	-	-	-
			Margin [dB]:		-14.13	-4.13	-	-	-	-
.40114	34.31 ave	10.6	0	44.91	57.8	47.8	-	-	-	-
			Margin [dB]:		-12.89	-2.89	-	-	-	-
.48199	33.2 ave	10.5	0	43.7	56.3	46.3	-	-	-	-
			Margin [dB]:		-12.6	-2.6	-	-	-	-
.51377	33.61 ave	10.5	0	44.11	56	46	-	-	-	-
			Margin [dB]:		-11.89	-1.89	-	-	-	-
.61179	33.01 ave	10.5	0	43.51	56	46	-	-	-	-
			Margin [dB]:		-12.49	-2.49	-	-	-	-
.66901	31.58 ave	10.4	0	41.98	56	46	-	-	-	-
			Margin [dB]:		-14.02	-4.02	-	-	-	-
.77512	31.34 ave	10.4	0	41.74	56	46	-	-	-	-
			Margin [dB]:		-14.26	-4.26	-	-	-	-
.92615	30.05 ave	10.4	0	40.45	56	46	-	-	-	-
			Margin [dB]:		-15.55	-5.55	-	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 36 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI06
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====										
Neutral 1 - 30MHz										
1.01604	31.69 ave	10.4	0	42.09	56	46	-	-	-	-
			Margin [dB]:		-13.91	-3.91	-	-	-	-
1.08824	31.01 ave	10.4	0	41.41	56	46	-	-	-	-
			Margin [dB]:		-14.59	-4.59	-	-	-	-
1.27072	29.65 ave	10.3	0	39.95	56	46	-	-	-	-
			Margin [dB]:		-16.05	-6.05	-	-	-	-
1.48297	27.76 ave	10.3	0	38.06	56	46	-	-	-	-
			Margin [dB]:		-17.94	-7.94	-	-	-	-
1.5985	26.78 ave	10.4	0	37.18	56	46	-	-	-	-
			Margin [dB]:		-18.82	-8.82	-	-	-	-
1.77854	24.21 ave	10.4	0	34.61	56	46	-	-	-	-
			Margin [dB]:		-21.39	-11.39	-	-	-	-
1.95921	21.06 ave	10.4	0	31.46	56	46	-	-	-	-
			Margin [dB]:		-24.54	-14.54	-	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Figure 8 Conducted Emissions Graph

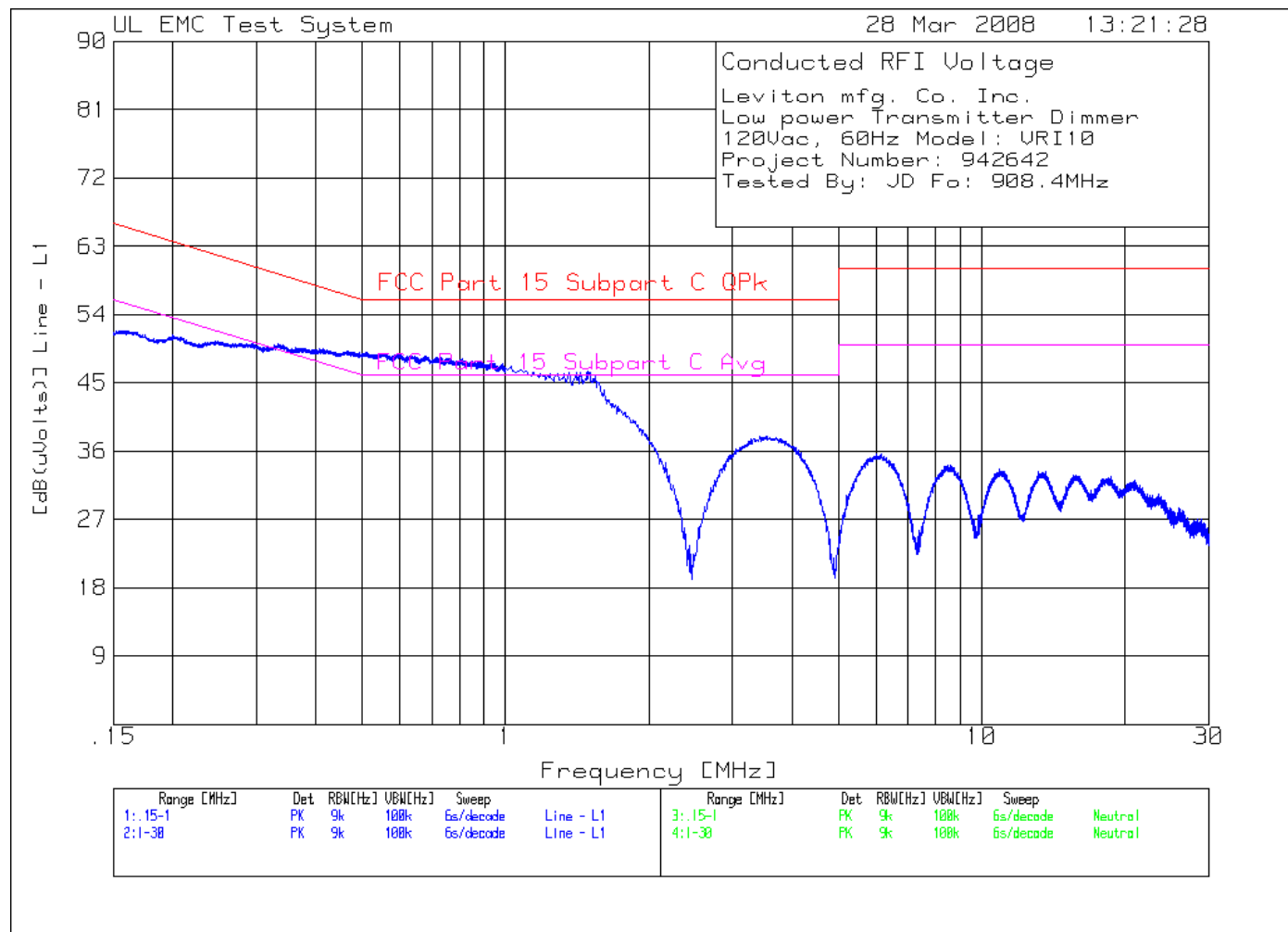
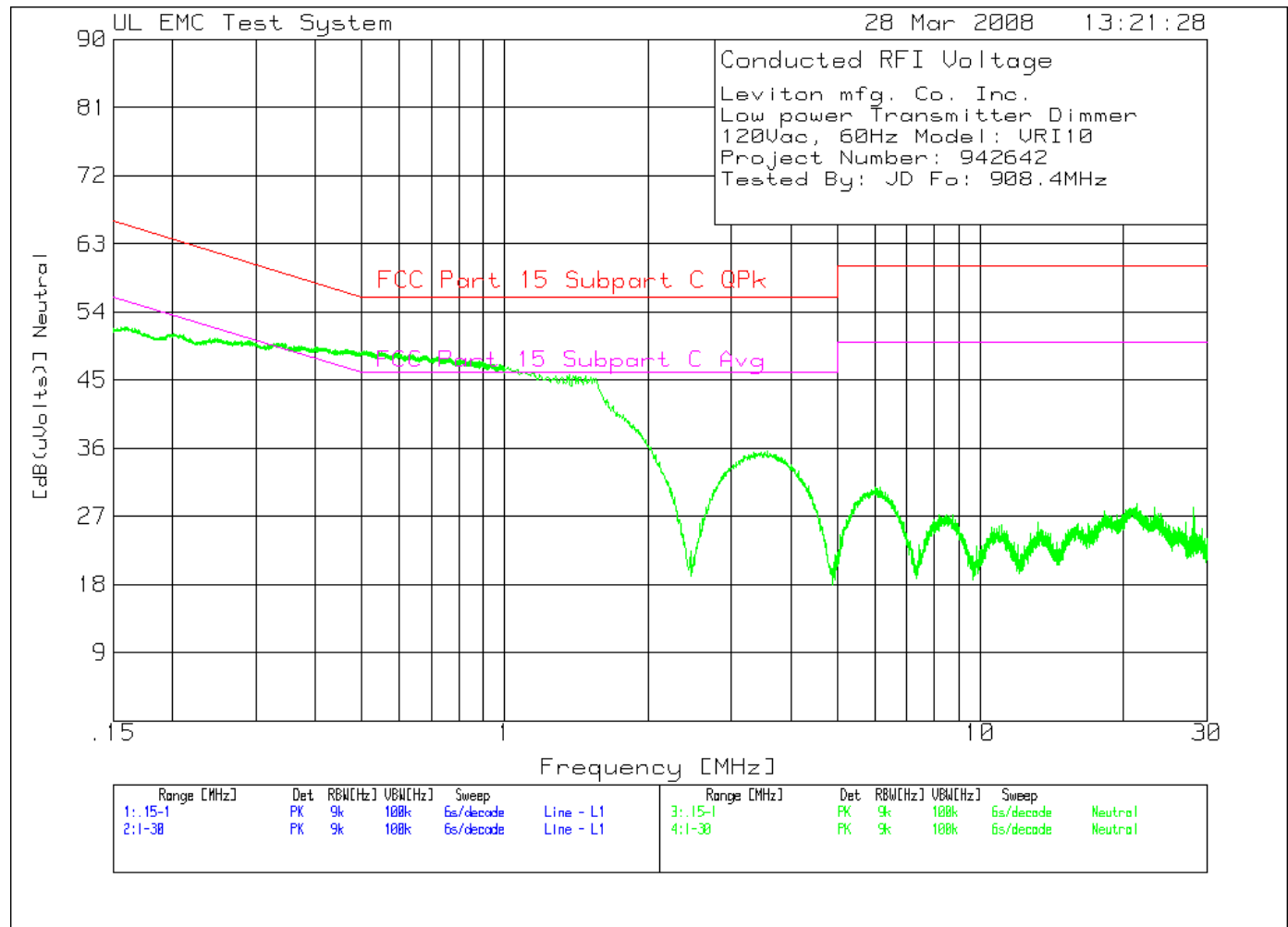


Figure 9 Conducted Emissions Graph



Project Number: 942642 File Number: MC15211 Page 39 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 6 Conducted Emissions Data Points

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI10
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Line - L1 .15 - 1MHz -----											
1	.40675	28.83 pk	20.6	0	49.43	57.7	47.7	-	-	-	-
				Margin [dB]		-8.27	1.73	-	-	-	-
2	.49245	28.47 pk	20.5	0	48.97	56.1	46.1	-	-	-	-
				Margin [dB]		-7.13	2.87	-	-	-	-
3	.59294	28.11 pk	20.5	0	48.61	56	46	-	-	-	-
				Margin [dB]		-7.39	2.61	-	-	-	-
4	.69513	27.56 pk	20.4	0	47.96	56	46	-	-	-	-
				Margin [dB]		-8.04	1.96	-	-	-	-
5	.86125	27.32 pk	20.4	0	47.72	56	46	-	-	-	-
				Margin [dB]		-8.28	1.72	-	-	-	-
6	.97994	26.89 pk	20.4	0	47.29	56	46	-	-	-	-
				Margin [dB]		-8.71	1.29	-	-	-	-
15	.19999	29.92 pk	21.4	0	51.32	63.6	53.6	-	-	-	-
				Margin [dB]		-12.28	-2.28	-	-	-	-
16	.21954	29.13 pk	21.2	0	50.33	62.8	52.8	-	-	-	-
				Margin [dB]		-12.47	-2.47	-	-	-	-
17	.23774	29.16 pk	21.1	0	50.26	62.2	52.2	-	-	-	-
				Margin [dB]		-11.94	-1.94	-	-	-	-
18	.26052	29.21 pk	21	0	50.21	61.4	51.4	-	-	-	-
				Margin [dB]		-11.19	-1.19	-	-	-	-
19	.28603	29.26 pk	20.9	0	50.16	60.6	50.6	-	-	-	-
				Margin [dB]		-10.44	-.44	-	-	-	-
20	.31459	28.88 pk	20.8	0	49.68	59.8	49.8	-	-	-	-
				Margin [dB]		-10.12	-.12	-	-	-	-
21	.34078	29.28 pk	20.7	0	49.98	59.2	49.2	-	-	-	-
				Margin [dB]		-9.22	.78	-	-	-	-
22	.36407	28.81 pk	20.7	0	49.51	58.6	48.6	-	-	-	-
				Margin [dB]		-9.09	.91	-	-	-	-
Line - L1 1 - 30MHz -----											
23	1.02901	26.87 pk	20.4	0	47.27	56	46	-	-	-	-
				Margin [dB]		-8.73	1.27	-	-	-	-
24	1.14503	26.13 pk	20.3	0	46.43	56	46	-	-	-	-
				Margin [dB]		-9.57	.43	-	-	-	-
25	1.4873	26.19 pk	20.3	0	46.49	56	46	-	-	-	-
				Margin [dB]		-9.51	.49	-	-	-	-
26	1.40608	26.09 pk	20.3	0	46.39	56	46	-	-	-	-
				Margin [dB]		-9.61	.39	-	-	-	-
27	1.57432	24.7 pk	20.3	0	45	56	46	-	-	-	-
				Margin [dB]		-11	-1	-	-	-	-
28	1.72515	21.55 pk	20.3	0	41.85	56	46	-	-	-	-
				Margin [dB]		-14.15	-4.15	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg
 pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector

Project Number: 942642 File Number: MC15211 Page 40 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

avlg - denotes average log detection
ave - denotes average detection
tm - Trace Math Result

Project Number: 942642 File Number: MC15211 Page 41 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI10
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Neutral .15 - 1MHz -----											
7	.41423	28.6 pk	20.6	0	49.2	57.6	47.6	-	-	-	-
				Margin [dB]		-8.4	1.6	-	-	-	-
8	.45283	28.26 pk	20.6	0	48.86	56.8	46.8	-	-	-	-
				Margin [dB]		-7.94	2.06	-	-	-	-
9	.53122	28.05 pk	20.5	0	48.55	56	46	-	-	-	-
				Margin [dB]		-7.45	2.55	-	-	-	-
10	.60314	27.89 pk	20.5	0	48.39	56	46	-	-	-	-
				Margin [dB]		-7.61	2.39	-	-	-	-
11	.6635	27.52 pk	20.4	0	47.92	56	46	-	-	-	-
				Margin [dB]		-8.08	1.92	-	-	-	-
12	.73067	27.37 pk	20.4	0	47.77	56	46	-	-	-	-
				Margin [dB]		-8.23	1.77	-	-	-	-
13	.81908	27.22 pk	20.4	0	47.62	56	46	-	-	-	-
				Margin [dB]		-8.38	1.62	-	-	-	-
14	.92434	26.66 pk	20.4	0	47.06	56	46	-	-	-	-
				Margin [dB]		-8.94	1.06	-	-	-	-
29	.17517	29.38 pk	21.7	0	51.08	64.7	54.7	-	-	-	-
				Margin [dB]		-13.62	-3.62	-	-	-	-
30	.21767	29.16 pk	21.3	0	50.46	62.9	52.9	-	-	-	-
				Margin [dB]		-12.44	-2.44	-	-	-	-
31	.26562	29.06 pk	21	0	50.06	61.3	51.3	-	-	-	-
				Margin [dB]		-11.24	-1.24	-	-	-	-
32	.32054	28.8 pk	20.8	0	49.6	59.7	49.7	-	-	-	-
				Margin [dB]		-10.1	-.1	-	-	-	-
33	.34758	28.9 pk	20.7	0	49.6	59	49	-	-	-	-
				Margin [dB]		-9.4	.6	-	-	-	-
34	.40063	28.69 pk	20.6	0	49.29	57.8	47.8	-	-	-	-
				Margin [dB]		-8.51	1.49	-	-	-	-
35	.46677	28.47 pk	20.6	0	49.07	56.6	46.6	-	-	-	-
				Margin [dB]		-7.53	2.47	-	-	-	-
36	.30354	28.76 pk	20.8	0	49.56	60.1	50.1	-	-	-	-
				Margin [dB]		-10.54	-.54	-	-	-	-
37	.99388	26.3 pk	20.4	0	46.7	56	46	-	-	-	-
				Margin [dB]		-9.3	.7	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection
 tm - Trace Math Result

Project Number: 942642 File Number: MC15211 Page 42 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI10
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Neutral 1 - 30MHz -----											
38	1.0174	26.22 pk	20.4	0	46.62	56	46	-	-	-	-
				Margin [dB]		-9.38	.62	-	-	-	-
39	1.06381	25.91 pk	20.4	0	46.31	56	46	-	-	-	-
				Margin [dB]		-9.69	.31	-	-	-	-
40	1.36547	25.35 pk	20.4	0	45.75	56	46	-	-	-	-
				Margin [dB]		-10.25	-.25	-	-	-	-
41	1.15083	25.58 pk	20.4	0	45.98	56	46	-	-	-	-
				Margin [dB]		-10.02	-.02	-	-	-	-
42	1.27846	25.23 pk	20.3	0	45.53	56	46	-	-	-	-
				Margin [dB]		-10.47	-.47	-	-	-	-
43	1.85857	18.75 pk	20.4	0	39.15	56	46	-	-	-	-
				Margin [dB]		-16.85	-6.85	-	-	-	-
44	1.95139	16.88 pk	20.4	0	37.28	56	46	-	-	-	-
				Margin [dB]		-18.72	-8.72	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection
 tm - Trace Math Result

Project Number: 942642 File Number: MC15211 Page 43 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI10
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 [dB(uVolts)]	2	3	4	5	6
=====									
Line - L1 .15 - 1MHz									
.40728	24.17 ave	20.6	0	44.77	57.7	47.7	-	-	-
			Margin [dB]:		-12.93	-2.93	-	-	-
.49252	23.73 ave	20.5	0	44.23	56.1	46.1	-	-	-
			Margin [dB]:		-11.87	-1.87	-	-	-
.59368	23.75 ave	20.5	0	44.25	56	46	-	-	-
			Margin [dB]:		-11.75	-1.75	-	-	-
.69452	23.12 ave	20.4	0	43.52	56	46	-	-	-
			Margin [dB]:		-12.48	-2.48	-	-	-
.86038	22.65 ave	20.4	0	43.05	56	46	-	-	-
			Margin [dB]:		-12.95	-2.95	-	-	-
.98045	22.32 ave	20.4	0	42.72	56	46	-	-	-
			Margin [dB]:		-13.28	-3.28	-	-	-
.20161	25.12 ave	21.4	0	46.52	63.5	53.5	-	-	-
			Margin [dB]:		-16.98	-6.98	-	-	-
.21812	24.4 ave	21.3	0	45.7	62.9	52.9	-	-	-
			Margin [dB]:		-17.2	-7.2	-	-	-
.2374	24.51 ave	21.1	0	45.61	62.2	52.2	-	-	-
			Margin [dB]:		-16.59	-6.59	-	-	-
.26132	24.57 ave	21	0	45.57	61.4	51.4	-	-	-
			Margin [dB]:		-15.83	-5.83	-	-	-
.2854	24.69 ave	20.9	0	45.59	60.7	50.7	-	-	-
			Margin [dB]:		-15.11	-5.11	-	-	-
.31373	24.3 ave	20.8	0	45.1	59.9	49.9	-	-	-
			Margin [dB]:		-14.8	-4.8	-	-	-
.33981	24.63 ave	20.7	0	45.33	59.2	49.2	-	-	-
			Margin [dB]:		-13.87	-3.87	-	-	-
.36487	24.32 ave	20.7	0	45.02	58.6	48.6	-	-	-
			Margin [dB]:		-13.58	-3.58	-	-	-
Line - L1 1 - 30MHz									
1.01983	22.07 ave	20.4	0	42.47	56	46	-	-	-
			Margin [dB]:		-13.53	-3.53	-	-	-
1.14589	21.39 ave	20.3	0	41.69	56	46	-	-	-
			Margin [dB]:		-14.31	-4.31	-	-	-
1.48231	19.82 ave	20.3	0	40.12	56	46	-	-	-
			Margin [dB]:		-15.88	-5.88	-	-	-
1.40125	20.25 ave	20.3	0	40.55	56	46	-	-	-
			Margin [dB]:		-15.45	-5.45	-	-	-
1.56236	18.77 ave	20.3	0	39.07	56	46	-	-	-
			Margin [dB]:		-16.93	-6.93	-	-	-
1.69791	16.89 ave	20.3	0	37.19	56	46	-	-	-
			Margin [dB]:		-18.81	-8.81	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk

Project Number: 942642 File Number: MC15211 Page 44 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 45 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI10
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 [dB(uVolts)]	2	3	4	5	6
=====									
Neutral .15 - 1MHz									
.41351	24.2 ave	20.6	0	44.8	57.6	47.6	-	-	-
			Margin [dB]:		-12.8	-2.8	-	-	-
.45214	23.76 ave	20.6	0	44.36	56.8	46.8	-	-	-
			Margin [dB]:		-12.44	-2.44	-	-	-
.53067	23.4 ave	20.5	0	43.9	56	46	-	-	-
			Margin [dB]:		-12.1	-2.1	-	-	-
.60385	23.4 ave	20.5	0	43.9	56	46	-	-	-
			Margin [dB]:		-12.1	-2.1	-	-	-
.66485	22.92 ave	20.4	0	43.32	56	46	-	-	-
			Margin [dB]:		-12.68	-2.68	-	-	-
.72975	22.89 ave	20.4	0	43.29	56	46	-	-	-
			Margin [dB]:		-12.71	-2.71	-	-	-
.81814	22.47 ave	20.4	0	42.87	56	46	-	-	-
			Margin [dB]:		-13.13	-3.13	-	-	-
.92552	21.94 ave	20.4	0	42.34	56	46	-	-	-
			Margin [dB]:		-13.66	-3.66	-	-	-
.17481	24.9 ave	21.7	0	46.6	64.7	54.7	-	-	-
			Margin [dB]:		-18.1	-8.1	-	-	-
.21638	24.52 ave	21.3	0	45.82	63	53	-	-	-
			Margin [dB]:		-17.18	-7.18	-	-	-
.26407	24.43 ave	21	0	45.43	61.3	51.3	-	-	-
			Margin [dB]:		-15.87	-5.87	-	-	-
.31995	24.27 ave	20.8	0	45.07	59.7	49.7	-	-	-
			Margin [dB]:		-14.63	-4.63	-	-	-
.34629	24.3 ave	20.7	0	45	59.1	49.1	-	-	-
			Margin [dB]:		-14.1	-4.1	-	-	-
.39989	24.01 ave	20.6	0	44.61	57.9	47.9	-	-	-
			Margin [dB]:		-13.29	-3.29	-	-	-
.46645	23.85 ave	20.6	0	44.45	56.6	46.6	-	-	-
			Margin [dB]:		-12.15	-2.15	-	-	-
.30373	24.25 ave	20.8	0	45.05	60.1	50.1	-	-	-
			Margin [dB]:		-15.05	-5.05	-	-	-
.99371	21.47 ave	20.4	0	41.87	56	46	-	-	-
			Margin [dB]:		-14.13	-4.13	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 46 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton mfg. Co. Inc.
 Low power Transmitter Dimmer
 120Vac, 60Hz Model: VRI10
 Project Number: 942642
 Tested By: JD Fo: 908.4MHz

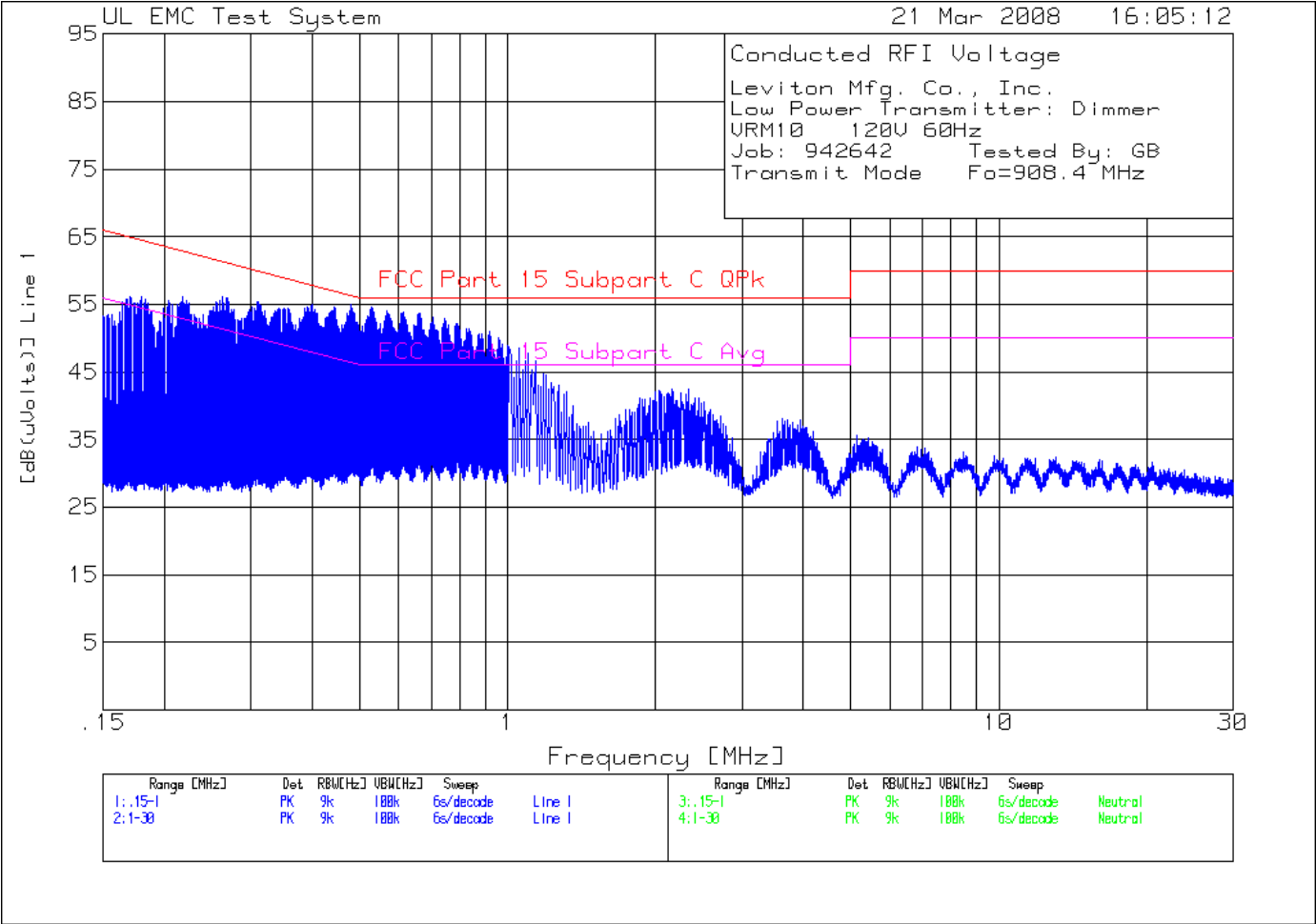
Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====										
Neutral 1 - 30MHz										
1.02001	21.67 ave	20.4	0	42.07	56	46	-	-	-	-
			Margin [dB]:		-13.93	-3.93	-	-	-	-
1.06375	21.5 ave	20.4	0	41.9	56	46	-	-	-	-
			Margin [dB]:		-14.1	-4.1	-	-	-	-
1.36129	19.94 ave	20.4	0	40.34	56	46	-	-	-	-
			Margin [dB]:		-15.66	-5.66	-	-	-	-
1.14795	20.92 ave	20.4	0	41.32	56	46	-	-	-	-
			Margin [dB]:		-14.68	-4.68	-	-	-	-
1.2787	20.19 ave	20.3	0	40.49	56	46	-	-	-	-
			Margin [dB]:		-15.51	-5.51	-	-	-	-
1.83167	13.9 ave	20.4	0	34.3	56	46	-	-	-	-
			Margin [dB]:		-21.7	-11.7	-	-	-	-
1.92758	12.08 ave	20.4	0	32.48	56	46	-	-	-	-
			Margin [dB]:		-23.52	-13.52	-	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

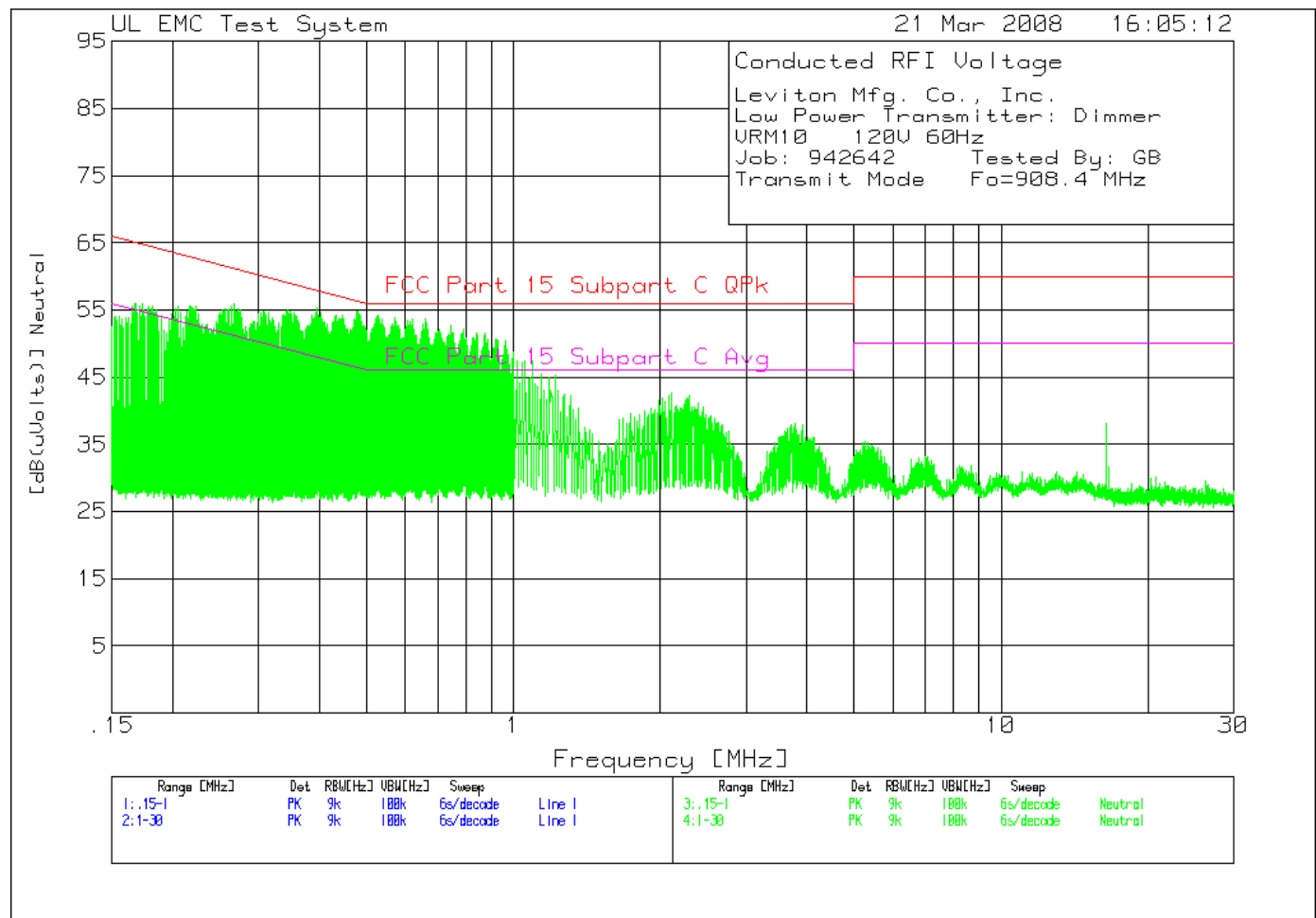
LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Figure 10 Conducted Emissions Graph



Project Number: 942642 File Number: MC15211 Page 48 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

Figure 11 Conducted Emissions Graph



Project Number: 942642 File Number: MC15211 Page 49 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 7 Conducted Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Line 1	.15	-	1MHz	-	-	-	-	-	-	-	-
1	.17057	44.51 pk	11.7	0	56.21	64.9	54.9	-	-	-	-
				Margin [dB]		-8.69	1.31	-	-	-	-
2	.20428	44.25 pk	11.3	0	55.55	63.4	53.4	-	-	-	-
				Margin [dB]		-7.85	2.15	-	-	-	-
3	.21764	44.9 pk	11.2	0	56.1	62.9	52.9	-	-	-	-
				Margin [dB]		-6.8	3.2	-	-	-	-
4	.26237	45.18 pk	11	0	56.18	61.4	51.4	-	-	-	-
				Margin [dB]		-5.22	4.78	-	-	-	-
5	.31071	44.59 pk	10.8	0	55.39	60	50	-	-	-	-
				Margin [dB]		-4.61	5.39	-	-	-	-
6	.34973	43.79 pk	10.7	0	54.49	59	49	-	-	-	-
				Margin [dB]		-4.51	5.49	-	-	-	-
7	.39934	44.42 pk	10.6	0	55.02	57.9	47.9	-	-	-	-
				Margin [dB]		-2.88	7.12	-	-	-	-
8	.44471	43.83 pk	10.5	0	54.33	57	47	-	-	-	-
				Margin [dB]		-2.67	7.33	-	-	-	-
9	.47864	44.54 pk	10.5	0	55.04	56.4	46.4	-	-	-	-
				Margin [dB]		-1.36	8.64	-	-	-	-
10	.53101	43.96 pk	10.5	0	54.46	56	46	-	-	-	-
				Margin [dB]		-1.54	8.46	-	-	-	-
11	.56726	43.61 pk	10.4	0	54.01	56	46	-	-	-	-
				Margin [dB]		-1.99	8.01	-	-	-	-
12	.61624	42.71 pk	10.4	0	53.11	56	46	-	-	-	-
				Margin [dB]		-2.89	7.11	-	-	-	-
13	.65843	43.31 pk	10.4	0	53.71	56	46	-	-	-	-
				Margin [dB]		-2.29	7.71	-	-	-	-
14	.70847	41.6 pk	10.4	0	52	56	46	-	-	-	-
				Margin [dB]		-4	6	-	-	-	-
15	.75024	42.05 pk	10.4	0	52.45	56	46	-	-	-	-
				Margin [dB]		-3.55	6.45	-	-	-	-
16	.7901	41.79 pk	10.4	0	52.19	56	46	-	-	-	-
				Margin [dB]		-3.81	6.19	-	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 50 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
17	.8342	40.9 pk	10.4	0	51.3	56	46	-	-	-	-
				Margin [dB]		-4.7	5.3	-	-	-	-
18	.88508	40.23 pk	10.4	0	50.63	56	46	-	-	-	-
				Margin [dB]		-5.37	4.63	-	-	-	-
19	.92176	39.9 pk	10.4	0	50.3	56	46	-	-	-	-
				Margin [dB]		-5.7	4.3	-	-	-	-
20	.96417	39.37 pk	10.4	0	49.77	56	46	-	-	-	-
				Margin [dB]		-6.23	3.77	-	-	-	-
21	.99915	38.5 pk	10.4	0	48.9	56	46	-	-	-	-
				Margin [dB]		-7.1	2.9	-	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 51 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 [dB(uVolts)]	2	3	4	5	6
=====										
Line 1	1 - 30MHz	-----								
22	1.00723	38.29 pk	10.4	0	48.69	56	46	-	-	-
				Margin [dB]		-7.31	2.69	-	-	-
23	1.19531	34.21 pk	10.4	0	44.61	56	46	-	-	-
				Margin [dB]		-11.39	-1.39	-	-	-
24	1.05787	38.08 pk	10.4	0	48.48	56	46	-	-	-
				Margin [dB]		-7.52	2.48	-	-	-
25	1.10127	37.4 pk	10.4	0	47.8	56	46	-	-	-
				Margin [dB]		-8.2	1.8	-	-	-
26	1.23871	32.51 pk	10.4	0	42.91	56	46	-	-	-
				Margin [dB]		-13.09	-3.09	-	-	-
27	1.13744	36.24 pk	10.4	0	46.64	56	46	-	-	-
				Margin [dB]		-9.36	.64	-	-	-
28	1.28935	28.65 pk	10.4	0	39.05	56	46	-	-	-
				Margin [dB]		-16.95	-6.95	-	-	-
29	1.33275	27.91 pk	10.4	0	38.31	56	46	-	-	-
				Margin [dB]		-17.69	-7.69	-	-	-
30	1.95485	30.78 pk	10.4	0	41.18	56	46	-	-	-
				Margin [dB]		-14.82	-4.82	-	-	-
31	2.01272	30.26 pk	10.4	0	40.66	56	46	-	-	-
				Margin [dB]		-15.34	-5.34	-	-	-
32	2.06336	31.36 pk	10.4	0	41.76	56	46	-	-	-
				Margin [dB]		-14.24	-4.24	-	-	-
33	2.1357	31.22 pk	10.4	0	41.62	56	46	-	-	-
				Margin [dB]		-14.38	-4.38	-	-	-
34	2.2008	30.32 pk	10.4	0	40.72	56	46	-	-	-
				Margin [dB]		-15.28	-5.28	-	-	-
35	2.28037	29.82 pk	10.4	0	40.22	56	46	-	-	-
				Margin [dB]		-15.78	-5.78	-	-	-
36	2.35271	28.8 pk	10.4	0	39.2	56	46	-	-	-
				Margin [dB]		-16.8	-6.8	-	-	-
37	2.46121	27.81 pk	10.4	0	38.21	56	46	-	-	-
				Margin [dB]		-17.79	-7.79	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 52 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 [dB(uVolts)]	2	3	4	5	6
=====									
Line 1 .15 - 1MHz									
.31042	39.81 qp	10.8	0	50.61	60	50	-	-	-
			Margin [dB]:		-9.39	.61	-	-	-
.35125	2.52 qp	10.7	0	13.22	58.9	48.9	-	-	-
			Margin [dB]:		-45.68	-35.68	-	-	-
.40107	2.37 qp	10.6	0	12.97	57.8	47.8	-	-	-
			Margin [dB]:		-44.83	-34.83	-	-	-
.446	39.33 qp	10.5	0	49.83	56.9	46.9	-	-	-
			Margin [dB]:		-7.07	2.93	-	-	-
.47981	39.53 qp	10.5	0	50.03	56.3	46.3	-	-	-
			Margin [dB]:		-6.27	3.73	-	-	-
.53059	2.27 qp	10.5	0	12.77	56	46	-	-	-
			Margin [dB]:		-43.23	-33.23	-	-	-
.56858	37.98 qp	10.4	0	48.38	56	46	-	-	-
			Margin [dB]:		-7.62	2.38	-	-	-
.61454	2.26 qp	10.4	0	12.66	56	46	-	-	-
			Margin [dB]:		-43.34	-33.34	-	-	-
.65903	2.21 qp	10.4	0	12.61	56	46	-	-	-
			Margin [dB]:		-43.39	-33.39	-	-	-
.70798	2.1 qp	10.4	0	12.5	56	46	-	-	-
			Margin [dB]:		-43.5	-33.5	-	-	-
.74889	2.1 qp	10.4	0	12.5	56	46	-	-	-
			Margin [dB]:		-43.5	-33.5	-	-	-
.79059	1.94 qp	10.4	0	12.34	56	46	-	-	-
			Margin [dB]:		-43.66	-33.66	-	-	-
.83536	35.11 qp	10.4	0	45.51	56	46	-	-	-
			Margin [dB]:		-10.49	-.49	-	-	-
.88679	1.99 qp	10.4	0	12.39	56	46	-	-	-
			Margin [dB]:		-43.61	-33.61	-	-	-
.92075	1.89 qp	10.4	0	12.29	56	46	-	-	-
			Margin [dB]:		-43.71	-33.71	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 53 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 [dB(uVolts)]	2	3	4	5	6
=====									
Line 1 .15 - 1MHz									
.17057	-3.11 ave	11.7	0	8.59	64.9	54.9	-	-	-
			Margin [dB]:		-56.31	-46.31	-	-	-
.20428	-3.35 ave	11.3	0	7.95	63.4	53.4	-	-	-
			Margin [dB]:		-55.45	-45.45	-	-	-
.21764	-3.17 ave	11.2	0	8.03	62.9	52.9	-	-	-
			Margin [dB]:		-54.87	-44.87	-	-	-
.26237	14.21 ave	11	0	25.21	61.4	51.4	-	-	-
			Margin [dB]:		-36.19	-26.19	-	-	-
.31071	-3.58 ave	10.8	0	7.22	60	50	-	-	-
			Margin [dB]:		-52.78	-42.78	-	-	-
.34973	-3.68 ave	10.7	0	7.02	59	49	-	-	-
			Margin [dB]:		-51.98	-41.98	-	-	-
.39934	-3.71 ave	10.6	0	6.89	57.9	47.9	-	-	-
			Margin [dB]:		-51.01	-41.01	-	-	-
.44471	-3.78 ave	10.5	0	6.72	57	47	-	-	-
			Margin [dB]:		-50.28	-40.28	-	-	-
.47864	-3.82 ave	10.5	0	6.68	56.4	46.4	-	-	-
			Margin [dB]:		-49.72	-39.72	-	-	-
.53101	-3.84 ave	10.5	0	6.66	56	46	-	-	-
			Margin [dB]:		-49.34	-39.34	-	-	-
.56726	-3.91 ave	10.4	0	6.49	56	46	-	-	-
			Margin [dB]:		-49.51	-39.51	-	-	-
.61624	-4.02 ave	10.4	0	6.38	56	46	-	-	-
			Margin [dB]:		-49.62	-39.62	-	-	-
.65843	-4.04 ave	10.4	0	6.36	56	46	-	-	-
			Margin [dB]:		-49.64	-39.64	-	-	-
.70847	-4.08 ave	10.4	0	6.32	56	46	-	-	-
			Margin [dB]:		-49.68	-39.68	-	-	-
.75024	-4.19 ave	10.4	0	6.21	56	46	-	-	-
			Margin [dB]:		-49.79	-39.79	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 54 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
.7901	-4.19 ave	10.4	0	6.21	56	46	-	-	-	-
			Margin [dB]:		-49.79	-39.79	-	-	-	-
.8342	-4.3 ave	10.4	0	6.1	56	46	-	-	-	-
			Margin [dB]:		-49.9	-39.9	-	-	-	-
.88508	-4.18 ave	10.4	0	6.22	56	46	-	-	-	-
			Margin [dB]:		-49.78	-39.78	-	-	-	-
.92176	-4.43 ave	10.4	0	5.97	56	46	-	-	-	-
			Margin [dB]:		-50.03	-40.03	-	-	-	-
.96417	-4.37 ave	10.4	0	6.03	56	46	-	-	-	-
			Margin [dB]:		-49.97	-39.97	-	-	-	-
.99825	-4.46 ave	10.4	0	5.94	56	46	-	-	-	-
			Margin [dB]:		-50.06	-40.06	-	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 55 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 [dB(uVolts)]	2	3	4	5	6
=====									
Line 1 1 - 30MHz									
1.0299	-4.46 ave	10.4	0	5.94	56	46	-	-	-
			Margin [dB]:		-50.06	-40.06	-	-	-
1.19531	-4.54 ave	10.4	0	5.86	56	46	-	-	-
			Margin [dB]:		-50.14	-40.14	-	-	-
1.05787	-4.51 ave	10.4	0	5.89	56	46	-	-	-
			Margin [dB]:		-50.11	-40.11	-	-	-
1.10127	-4.5 ave	10.4	0	5.9	56	46	-	-	-
			Margin [dB]:		-50.1	-40.1	-	-	-
1.23871	-4.65 ave	10.4	0	5.75	56	46	-	-	-
			Margin [dB]:		-50.25	-40.25	-	-	-
1.13744	-4.52 ave	10.4	0	5.88	56	46	-	-	-
			Margin [dB]:		-50.12	-40.12	-	-	-
1.28935	-4.56 ave	10.4	0	5.84	56	46	-	-	-
			Margin [dB]:		-50.16	-40.16	-	-	-
1.33275	7.58 ave	10.4	0	17.98	56	46	-	-	-
			Margin [dB]:		-38.02	-28.02	-	-	-
1.95485	-5.07 ave	10.4	0	5.33	56	46	-	-	-
			Margin [dB]:		-50.67	-40.67	-	-	-
2.01272	-5.09 ave	10.4	0	5.31	56	46	-	-	-
			Margin [dB]:		-50.69	-40.69	-	-	-
2.06336	-5.13 ave	10.4	0	5.27	56	46	-	-	-
			Margin [dB]:		-50.73	-40.73	-	-	-
2.1357	-5.2 ave	10.4	0	5.2	56	46	-	-	-
			Margin [dB]:		-50.8	-40.8	-	-	-
2.2008	-5.2 ave	10.4	0	5.2	56	46	-	-	-
			Margin [dB]:		-50.8	-40.8	-	-	-
2.28037	-5.1 ave	10.4	0	5.3	56	46	-	-	-
			Margin [dB]:		-50.7	-40.7	-	-	-
2.35271	-5.2 ave	10.4	0	5.2	56	46	-	-	-
			Margin [dB]:		-50.8	-40.8	-	-	-
2.46121	-5.29 ave	10.4	0	5.11	56	46	-	-	-
			Margin [dB]:		-50.89	-40.89	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 56 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Neutral .15 - 1MHz -----											
1	.16717	44.1 pk	11.8	0	55.9	65.1	55.1	-	-	-	-
				Margin [dB]		-9.2	.8	-	-	-	-
2	.18159	43.89 pk	11.6	0	55.49	64.4	54.4	-	-	-	-
				Margin [dB]		-8.91	1.09	-	-	-	-
3	.2047	44.32 pk	11.3	0	55.62	63.4	53.4	-	-	-	-
				Margin [dB]		-7.78	2.22	-	-	-	-
4	.21679	44.36 pk	11.2	0	55.56	62.9	52.9	-	-	-	-
				Margin [dB]		-7.34	2.66	-	-	-	-
5	.27128	44.34 pk	10.9	0	55.24	61.1	51.1	-	-	-	-
				Margin [dB]		-5.86	4.14	-	-	-	-
6	.31347	43.87 pk	10.8	0	54.67	59.9	49.9	-	-	-	-
				Margin [dB]		-5.23	4.77	-	-	-	-
7	.36118	42.79 pk	10.7	0	53.49	58.7	48.7	-	-	-	-
				Margin [dB]		-5.21	4.79	-	-	-	-
8	.40337	43.96 pk	10.6	0	54.56	57.8	47.8	-	-	-	-
				Margin [dB]		-3.24	6.76	-	-	-	-
9	.44153	43.17 pk	10.5	0	53.67	57	47	-	-	-	-
				Margin [dB]		-3.33	6.67	-	-	-	-
10	.48139	43.88 pk	10.5	0	54.38	56.3	46.3	-	-	-	-
				Margin [dB]		-1.92	8.08	-	-	-	-
11	.52783	43.71 pk	10.5	0	54.21	56	46	-	-	-	-
				Margin [dB]		-1.79	8.21	-	-	-	-
12	.57129	43.41 pk	10.4	0	53.81	56	46	-	-	-	-
				Margin [dB]		-2.19	7.81	-	-	-	-
13	.61984	43.21 pk	10.4	0	53.61	56	46	-	-	-	-
				Margin [dB]		-2.39	7.61	-	-	-	-
14	.6597	43.2 pk	10.4	0	53.6	56	46	-	-	-	-
				Margin [dB]		-2.4	7.6	-	-	-	-
15	.7055	41.76 pk	10.4	0	52.16	56	46	-	-	-	-
				Margin [dB]		-3.84	6.16	-	-	-	-
16	.74176	42.29 pk	10.4	0	52.69	56	46	-	-	-	-
				Margin [dB]		-3.31	6.69	-	-	-	-
17	.79773	40.44 pk	10.4	0	50.84	56	46	-	-	-	-
				Margin [dB]		-5.16	4.84	-	-	-	-
18	.83102	40.47 pk	10.4	0	50.87	56	46	-	-	-	-
				Margin [dB]		-5.13	4.87	-	-	-	-
19	.8853	40.17 pk	10.4	0	50.57	56	46	-	-	-	-
				Margin [dB]		-5.43	4.57	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection

Project Number: 942642 File Number: MC15211 Page 57 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
20	.91964	40.18 pk	10.4	0	50.58	56	46	-	-	-	-
				Margin [dB]		-5.42	4.58	-	-	-	-
21	.96332	39.96 pk	10.4	0	50.36	56	46	-	-	-	-
				Margin [dB]		-5.64	4.36	-	-	-	-
22	.9983	38.34 pk	10.4	0	48.74	56	46	-	-	-	-
				Margin [dB]		-7.26	2.74	-	-	-	-
23	.15276	42.05 pk	12	0	54.05	65.8	55.8	-	-	-	-
				Margin [dB]		-11.75	-1.75	-	-	-	-
24	.24329	41.19 pk	11.1	0	52.29	62	52	-	-	-	-
				Margin [dB]		-9.71	.29	-	-	-	-
25	.19855	42.95 pk	11.4	0	54.35	63.7	53.7	-	-	-	-
				Margin [dB]		-9.35	.65	-	-	-	-
26	.29163	42.22 pk	10.8	0	53.02	60.5	50.5	-	-	-	-
				Margin [dB]		-7.48	2.52	-	-	-	-
27	.33086	42.35 pk	10.7	0	53.05	59.4	49.4	-	-	-	-
				Margin [dB]		-6.35	3.65	-	-	-	-
Neutral 1 - 30MHz -----											
28	1	37.33 pk	10.4	0	47.73	56	46	-	-	-	-
				Margin [dB]		-8.27	1.73	-	-	-	-
29	1.01447	36.98 pk	10.4	0	47.38	56	46	-	-	-	-
				Margin [dB]		-8.62	1.38	-	-	-	-
30	1.05787	36.93 pk	10.4	0	47.33	56	46	-	-	-	-
				Margin [dB]		-8.67	1.33	-	-	-	-
31	1.09404	37.05 pk	10.4	0	47.45	56	46	-	-	-	-
				Margin [dB]		-8.55	1.45	-	-	-	-
32	1.12297	33.23 pk	10.4	0	43.63	56	46	-	-	-	-
				Margin [dB]		-12.37	-2.37	-	-	-	-
33	1.15191	32.56 pk	10.4	0	42.96	56	46	-	-	-	-
				Margin [dB]		-13.04	-3.04	-	-	-	-
34	1.19531	32.32 pk	10.4	0	42.72	56	46	-	-	-	-
				Margin [dB]		-13.28	-3.28	-	-	-	-
35	1.21701	34.84 pk	10.4	0	45.24	56	46	-	-	-	-
				Margin [dB]		-10.76	-.76	-	-	-	-
36	1.24595	29.48 pk	10.4	0	39.88	56	46	-	-	-	-
				Margin [dB]		-16.12	-6.12	-	-	-	-
37	1.27488	31.99 pk	10.4	0	42.39	56	46	-	-	-	-
				Margin [dB]		-13.61	-3.61	-	-	-	-
38	1.31105	31.96 pk	10.4	0	42.36	56	46	-	-	-	-
				Margin [dB]		-13.64	-3.64	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection

Project Number: 942642 File Number: MC15211 Page 58 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
39	1.88251	28.62 pk	10.4	0	39.02	56	46	-	-	-	-
				Margin [dB]		-16.98	-6.98	-	-	-	-
40	1.94038	29.28 pk	10.4	0	39.68	56	46	-	-	-	-
				Margin [dB]		-16.32	-6.32	-	-	-	-
41	2.01996	31.52 pk	10.4	0	41.92	56	46	-	-	-	-
				Margin [dB]		-14.08	-4.08	-	-	-	-
42	2.07783	31.96 pk	10.4	0	42.36	56	46	-	-	-	-
				Margin [dB]		-13.64	-3.64	-	-	-	-
43	2.17186	29.79 pk	10.4	0	40.19	56	46	-	-	-	-
				Margin [dB]		-15.81	-5.81	-	-	-	-
44	2.2659	31.34 pk	10.5	0	41.84	56	46	-	-	-	-
				Margin [dB]		-14.16	-4.16	-	-	-	-
45	2.34547	30.14 pk	10.5	0	40.64	56	46	-	-	-	-
				Margin [dB]		-15.36	-5.36	-	-	-	-
46	2.43228	29.27 pk	10.5	0	39.77	56	46	-	-	-	-
				Margin [dB]		-16.23	-6.23	-	-	-	-
47	2.54078	28.73 pk	10.5	0	39.23	56	46	-	-	-	-
				Margin [dB]		-16.77	-6.77	-	-	-	-
48	2.11399	32.31 pk	10.4	0	42.71	56	46	-	-	-	-
				Margin [dB]		-13.29	-3.29	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection

Project Number: 942642 File Number: MC15211 Page 59 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====										
Neutral .15 - 1MHz										
.26964	41.21 qp	10.9	0	52.11	61.1	51.1	-	-	-	-
			Margin [dB]:	-8.99	1.01		-	-	-	-
.31191	40.19 qp	10.8	0	50.99	59.9	49.9	-	-	-	-
			Margin [dB]:	-8.91	1.09		-	-	-	-
.35956	39.79 qp	10.7	0	50.49	58.7	48.7	-	-	-	-
			Margin [dB]:	-8.21	1.79		-	-	-	-
.40229	39.86 qp	10.6	0	50.46	57.8	47.8	-	-	-	-
			Margin [dB]:	-7.34	2.66		-	-	-	-
.44016	38.28 qp	10.5	0	48.78	57.1	47.1	-	-	-	-
			Margin [dB]:	-8.32	1.68		-	-	-	-
.4819	40.23 qp	10.5	0	50.73	56.3	46.3	-	-	-	-
			Margin [dB]:	-5.57	4.43		-	-	-	-
.52787	39.39 qp	10.5	0	49.89	56	46	-	-	-	-
			Margin [dB]:	-6.11	3.89		-	-	-	-
.57168	38.33 qp	10.4	0	48.73	56	46	-	-	-	-
			Margin [dB]:	-7.27	2.73		-	-	-	-
.62024	38.66 qp	10.4	0	49.06	56	46	-	-	-	-
			Margin [dB]:	-6.94	3.06		-	-	-	-
.66002	38 qp	10.4	0	48.4	56	46	-	-	-	-
			Margin [dB]:	-7.6	2.4		-	-	-	-
.70457	37.1 qp	10.4	0	47.5	56	46	-	-	-	-
			Margin [dB]:	-8.5	1.5		-	-	-	-
.74266	36.48 qp	10.4	0	46.88	56	46	-	-	-	-
			Margin [dB]:	-9.12	.88		-	-	-	-
.79793	36.23 qp	10.4	0	46.63	56	46	-	-	-	-
			Margin [dB]:	-9.37	.63		-	-	-	-
.8322	34.92 qp	10.4	0	45.32	56	46	-	-	-	-
			Margin [dB]:	-10.68	-.68		-	-	-	-
.88371	35.02 qp	10.4	0	45.42	56	46	-	-	-	-
			Margin [dB]:	-10.58	-.58		-	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 60 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====										
Neutral .15 - 1MHz										
.16717	-3.15 ave	11.8	0	8.65	65.1	55.1	-	-	-	-
			Margin [dB]:		-56.45	-46.45	-	-	-	-
.18159	-3.3 ave	11.6	0	8.3	64.4	54.4	-	-	-	-
			Margin [dB]:		-56.1	-46.1	-	-	-	-
.2047	14.12 ave	11.3	0	25.42	63.4	53.4	-	-	-	-
			Margin [dB]:		-37.98	-27.98	-	-	-	-
.21679	13.27 ave	11.2	0	24.47	62.9	52.9	-	-	-	-
			Margin [dB]:		-38.43	-28.43	-	-	-	-
.27128	-3.56 ave	10.9	0	7.34	61.1	51.1	-	-	-	-
			Margin [dB]:		-53.76	-43.76	-	-	-	-
.31347	-3.72 ave	10.8	0	7.08	59.9	49.9	-	-	-	-
			Margin [dB]:		-52.82	-42.82	-	-	-	-
.36118	12.72 ave	10.7	0	23.42	58.7	48.7	-	-	-	-
			Margin [dB]:		-35.28	-25.28	-	-	-	-
.40337	-3.87 ave	10.6	0	6.73	57.8	47.8	-	-	-	-
			Margin [dB]:		-51.07	-41.07	-	-	-	-
.44153	12.51 ave	10.5	0	23.01	57	47	-	-	-	-
			Margin [dB]:		-33.99	-23.99	-	-	-	-
.48139	11.81 ave	10.5	0	22.31	56.3	46.3	-	-	-	-
			Margin [dB]:		-33.99	-23.99	-	-	-	-
.52783	11.33 ave	10.5	0	21.83	56	46	-	-	-	-
			Margin [dB]:		-34.17	-24.17	-	-	-	-
.57129	11.03 ave	10.4	0	21.43	56	46	-	-	-	-
			Margin [dB]:		-34.57	-24.57	-	-	-	-
.61984	10.62 ave	10.4	0	21.02	56	46	-	-	-	-
			Margin [dB]:		-34.98	-24.98	-	-	-	-
.6597	9.93 ave	10.4	0	20.33	56	46	-	-	-	-
			Margin [dB]:		-35.67	-25.67	-	-	-	-
.7055	10.06 ave	10.4	0	20.46	56	46	-	-	-	-
			Margin [dB]:		-35.54	-25.54	-	-	-	-
.74176	8.49 ave	10.4	0	18.89	56	46	-	-	-	-
			Margin [dB]:		-37.11	-27.11	-	-	-	-
.79773	8.66 ave	10.4	0	19.06	56	46	-	-	-	-
			Margin [dB]:		-36.94	-26.94	-	-	-	-
.83102	7.18 ave	10.4	0	17.58	56	46	-	-	-	-
			Margin [dB]:		-38.42	-28.42	-	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 61 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
.8853	5.77 ave	10.4	0	16.17	56	46	-	-	-	-
			Margin [dB]:		-39.83	-29.83	-	-	-	-
.91964	4.04 ave	10.4	0	14.44	56	46	-	-	-	-
			Margin [dB]:		-41.56	-31.56	-	-	-	-
.96332	3.38 ave	10.4	0	13.78	56	46	-	-	-	-
			Margin [dB]:		-42.22	-32.22	-	-	-	-
.99825	.77 ave	10.4	0	11.17	56	46	-	-	-	-
			Margin [dB]:		-44.83	-34.83	-	-	-	-
.15276	13.55 ave	12	0	25.55	65.8	55.8	-	-	-	-
			Margin [dB]:		-40.25	-30.25	-	-	-	-
.24329	12.09 ave	11.1	0	23.19	62	52	-	-	-	-
			Margin [dB]:		-38.81	-28.81	-	-	-	-
.19855	14.17 ave	11.4	0	25.57	63.7	53.7	-	-	-	-
			Margin [dB]:		-38.13	-28.13	-	-	-	-
.29163	12.5 ave	10.8	0	23.3	60.5	50.5	-	-	-	-
			Margin [dB]:		-37.2	-27.2	-	-	-	-
.33086	10.6 ave	10.7	0	21.3	59.4	49.4	-	-	-	-
			Margin [dB]:		-38.1	-28.1	-	-	-	-
Neutral 1 - 30MHz										
1.0299	3.11 ave	10.4	0	13.51	56	46	-	-	-	-
			Margin [dB]:		-42.49	-32.49	-	-	-	-
1.0299	3.65 ave	10.4	0	14.05	56	46	-	-	-	-
			Margin [dB]:		-41.95	-31.95	-	-	-	-
1.05787	3.63 ave	10.4	0	14.03	56	46	-	-	-	-
			Margin [dB]:		-41.97	-31.97	-	-	-	-
1.09404	3.42 ave	10.4	0	13.82	56	46	-	-	-	-
			Margin [dB]:		-42.18	-32.18	-	-	-	-
1.12297	3.34 ave	10.4	0	13.74	56	46	-	-	-	-
			Margin [dB]:		-42.26	-32.26	-	-	-	-
1.15191	3.19 ave	10.4	0	13.59	56	46	-	-	-	-
			Margin [dB]:		-42.41	-32.41	-	-	-	-
1.19531	2.89 ave	10.4	0	13.29	56	46	-	-	-	-
			Margin [dB]:		-42.71	-32.71	-	-	-	-
1.21701	2.9 ave	10.4	0	13.3	56	46	-	-	-	-
			Margin [dB]:		-42.7	-32.7	-	-	-	-
1.24595	2.24 ave	10.4	0	12.64	56	46	-	-	-	-
			Margin [dB]:		-43.36	-33.36	-	-	-	-
1.27488	1.56 ave	10.4	0	11.96	56	46	-	-	-	-
			Margin [dB]:		-44.04	-34.04	-	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 62 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 [dB(uVolts)]	2	3	4	5	6
1.31105	-4.76 ave	10.4	0	5.64	56	46	-	-	-
			Margin [dB]:	-50.36	-40.36	-	-	-	-
1.88251	5.86 ave	10.4	0	16.26	56	46	-	-	-
			Margin [dB]:	-39.74	-29.74	-	-	-	-
1.94038	6.73 ave	10.4	0	17.13	56	46	-	-	-
			Margin [dB]:	-38.87	-28.87	-	-	-	-
2.01996	7.35 ave	10.4	0	17.75	56	46	-	-	-
			Margin [dB]:	-38.25	-28.25	-	-	-	-
2.07783	7.93 ave	10.4	0	18.33	56	46	-	-	-
			Margin [dB]:	-37.67	-27.67	-	-	-	-
2.17186	8.35 ave	10.4	0	18.75	56	46	-	-	-
			Margin [dB]:	-37.25	-27.25	-	-	-	-
2.2659	7.93 ave	10.5	0	18.43	56	46	-	-	-
			Margin [dB]:	-37.57	-27.57	-	-	-	-
2.34547	7.7 ave	10.5	0	18.2	56	46	-	-	-
			Margin [dB]:	-37.8	-27.8	-	-	-	-
2.43228	7.34 ave	10.5	0	17.84	56	46	-	-	-
			Margin [dB]:	-38.16	-28.16	-	-	-	-
2.54078	6.2 ave	10.5	0	16.7	56	46	-	-	-
			Margin [dB]:	-39.3	-29.3	-	-	-	-
2.11399	7.96 ave	10.4	0	18.36	56	46	-	-	-
			Margin [dB]:	-37.64	-27.64	-	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Figure 12 Conducted Emissions Graph

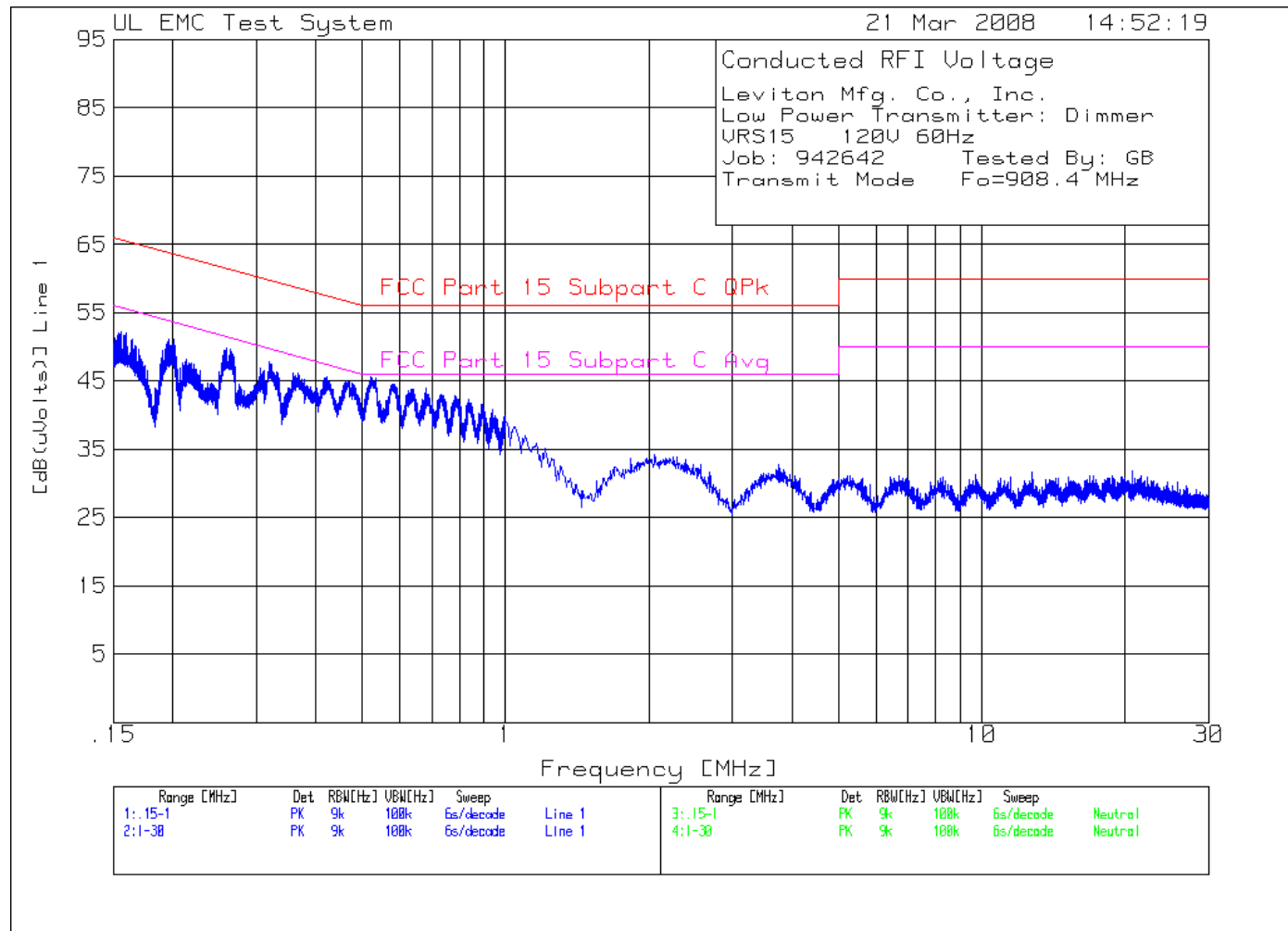
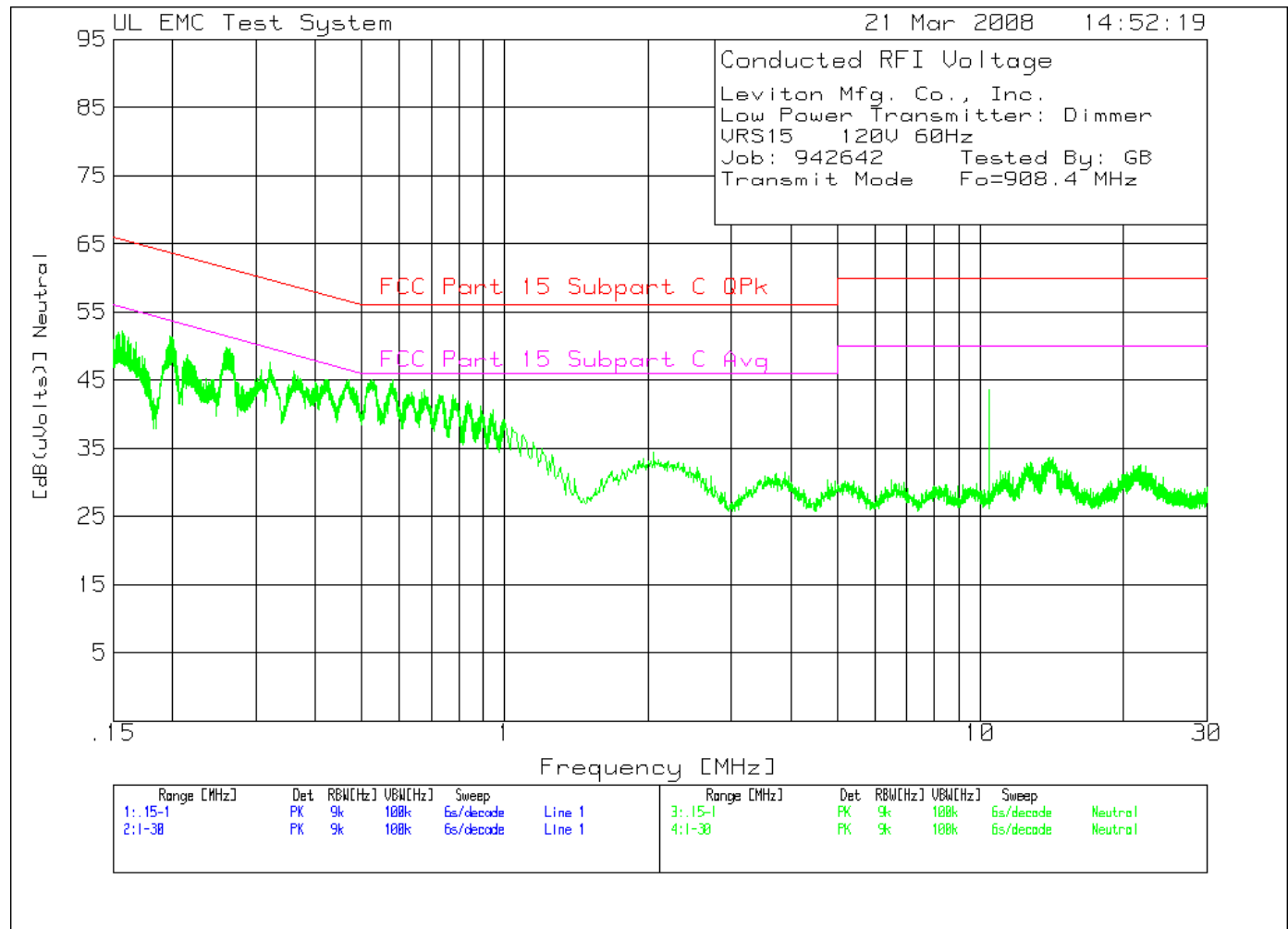


Figure 13 Conducted Emissions Graph



Project Number: 942642 File Number: MC15211 Page 65 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 8 Conducted Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRS15 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
=====											
Line 1	.15	-	1MHz	-	-	-	-	-	-	-	-
1	.15615	40.2 pk	12	0	52.2	65.7	55.7	-	-	-	-
				Margin [dB]		-13.5	-3.5	-	-	-	-
2	.19601	39.67 pk	11.4	0	51.07	63.8	53.8	-	-	-	-
				Margin [dB]		-12.73	-2.73	-	-	-	-
3	.21424	36.81 pk	11.3	0	48.11	63	53	-	-	-	-
				Margin [dB]		-14.89	-4.89	-	-	-	-
4	.2594	38.86 pk	11	0	49.86	61.5	51.5	-	-	-	-
				Margin [dB]		-11.64	-1.64	-	-	-	-
5	.32238	36.76 pk	10.7	0	47.46	59.6	49.6	-	-	-	-
				Margin [dB]		-12.14	-2.14	-	-	-	-
6	.36584	35.59 pk	10.6	0	46.19	58.6	48.6	-	-	-	-
				Margin [dB]		-12.41	-2.41	-	-	-	-
7	.42118	34.92 pk	10.6	0	45.52	57.4	47.4	-	-	-	-
				Margin [dB]		-11.88	-1.88	-	-	-	-
8	.46104	34.53 pk	10.5	0	45.03	56.7	46.7	-	-	-	-
				Margin [dB]		-11.67	-1.67	-	-	-	-
9	.52528	34.88 pk	10.5	0	45.38	56	46	-	-	-	-
				Margin [dB]		-10.62	-.62	-	-	-	-
10	.58613	34.17 pk	10.4	0	44.57	56	46	-	-	-	-
				Margin [dB]		-11.43	-1.43	-	-	-	-
11	.64062	33.43 pk	10.4	0	43.83	56	46	-	-	-	-
				Margin [dB]		-12.17	-2.17	-	-	-	-
12	.68854	32.7 pk	10.4	0	43.1	56	46	-	-	-	-
				Margin [dB]		-12.9	-2.9	-	-	-	-
13	.74791	31.63 pk	10.4	0	42.03	56	46	-	-	-	-
				Margin [dB]		-13.97	-3.97	-	-	-	-
14	.7954	31.96 pk	10.4	0	42.36	56	46	-	-	-	-
				Margin [dB]		-13.64	-3.64	-	-	-	-
15	.84777	31.33 pk	10.4	0	41.73	56	46	-	-	-	-
				Margin [dB]		-14.27	-4.27	-	-	-	-
16	.89993	30.61 pk	10.4	0	41.01	56	46	-	-	-	-
				Margin [dB]		-14.99	-4.99	-	-	-	-
17	.94869	29.43 pk	10.4	0	39.83	56	46	-	-	-	-
				Margin [dB]		-16.17	-6.17	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - average detector
 avlg - average log detection
 ave - average detection
 cav - CISPR average detection

Project Number: 942642 File Number: MC15211 Page 66 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRS15 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
Neutral .15 - 1MHz -----											
18	.15679	40.33 pk	11.9	0	52.23	65.6	55.6	-	-	-	-
				Margin [dB]		-13.37	-3.37	-	-	-	-
19	.19792	40.16 pk	11.4	0	51.56	63.7	53.7	-	-	-	-
				Margin [dB]		-12.14	-2.14	-	-	-	-
20	.21594	36.86 pk	11.2	0	48.06	63	53	-	-	-	-
				Margin [dB]		-14.94	-4.94	-	-	-	-
21	.26025	38.79 pk	11	0	49.79	61.4	51.4	-	-	-	-
				Margin [dB]		-11.61	-1.61	-	-	-	-
22	.32492	35.14 pk	10.7	0	45.84	59.6	49.6	-	-	-	-
				Margin [dB]		-13.76	-3.76	-	-	-	-
23	.36605	35 pk	10.6	0	45.6	58.6	48.6	-	-	-	-
				Margin [dB]		-13	-3	-	-	-	-
24	.42203	34.44 pk	10.6	0	45.04	57.4	47.4	-	-	-	-
				Margin [dB]		-12.36	-2.36	-	-	-	-
25	.47037	34.61 pk	10.5	0	45.11	56.5	46.5	-	-	-	-
				Margin [dB]		-11.39	-1.39	-	-	-	-
26	.5238	34.58 pk	10.5	0	45.08	56	46	-	-	-	-
				Margin [dB]		-10.92	-.92	-	-	-	-
27	.5802	34.61 pk	10.4	0	45.01	56	46	-	-	-	-
				Margin [dB]		-10.99	-.99	-	-	-	-
28	.64317	32.12 pk	10.4	0	42.52	56	46	-	-	-	-
				Margin [dB]		-13.48	-3.48	-	-	-	-
29	.68281	32.32 pk	10.4	0	42.72	56	46	-	-	-	-
				Margin [dB]		-13.28	-3.28	-	-	-	-
30	.73624	32.28 pk	10.4	0	42.68	56	46	-	-	-	-
				Margin [dB]		-13.32	-3.32	-	-	-	-
31	.78946	31.52 pk	10.4	0	41.92	56	46	-	-	-	-
				Margin [dB]		-14.08	-4.08	-	-	-	-
32	.83653	31.5 pk	10.4	0	41.9	56	46	-	-	-	-
				Margin [dB]		-14.1	-4.1	-	-	-	-
33	.89314	30.02 pk	10.4	0	40.42	56	46	-	-	-	-
				Margin [dB]		-15.58	-5.58	-	-	-	-
34	.94763	29.03 pk	10.4	0	39.43	56	46	-	-	-	-
				Margin [dB]		-16.57	-6.57	-	-	-	-
Neutral 1 - 30MHz -----											
35	10.41831	32.45 pk	11.1	0	43.55	60	50	-	-	-	-
				Margin [dB]		-16.45	-6.45	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

pk - Peak detector
 qp - Quasi-Peak detector
 av - average detector
 avlg - average log detection
 ave - average detection
 cav - CISPR average detection

Project Number: 942642 File Number: MC15211 Page 67 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRS15 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 [dB(uVolts)]	2	3	4	5	6
=====									
Line 1 .15 - 1MHz									
.15615	33.08 ave	12	0	45.08	65.7	55.7	-	-	-
			Margin [dB]:		-20.62	-10.62	-	-	-
.19601	32.77 ave	11.4	0	44.17	63.8	53.8	-	-	-
			Margin [dB]:		-19.63	-9.63	-	-	-
.21424	27.9 ave	11.3	0	39.2	63	53	-	-	-
			Margin [dB]:		-23.8	-13.8	-	-	-
.2594	31.04 ave	11	0	42.04	61.5	51.5	-	-	-
			Margin [dB]:		-19.46	-9.46	-	-	-
.32238	27.43 ave	10.7	0	38.13	59.6	49.6	-	-	-
			Margin [dB]:		-21.47	-11.47	-	-	-
.36584	28.87 ave	10.6	0	39.47	58.6	48.6	-	-	-
			Margin [dB]:		-19.13	-9.13	-	-	-
.42118	27.87 ave	10.6	0	38.47	57.4	47.4	-	-	-
			Margin [dB]:		-18.93	-8.93	-	-	-
.46104	26.82 ave	10.5	0	37.32	56.7	46.7	-	-	-
			Margin [dB]:		-19.38	-9.38	-	-	-
.52528	25.71 ave	10.5	0	36.21	56	46	-	-	-
			Margin [dB]:		-19.79	-9.79	-	-	-
.58613	24.63 ave	10.4	0	35.03	56	46	-	-	-
			Margin [dB]:		-20.97	-10.97	-	-	-
.64062	23.11 ave	10.4	0	33.51	56	46	-	-	-
			Margin [dB]:		-22.49	-12.49	-	-	-
.68854	23.88 ave	10.4	0	34.28	56	46	-	-	-
			Margin [dB]:		-21.72	-11.72	-	-	-
.74791	21.47 ave	10.4	0	31.87	56	46	-	-	-
			Margin [dB]:		-24.13	-14.13	-	-	-
.7954	20.99 ave	10.4	0	31.39	56	46	-	-	-
			Margin [dB]:		-24.61	-14.61	-	-	-
.84777	20.05 ave	10.4	0	30.45	56	46	-	-	-
			Margin [dB]:		-25.55	-15.55	-	-	-
.89993	20.66 ave	10.4	0	31.06	56	46	-	-	-
			Margin [dB]:		-24.94	-14.94	-	-	-
.94869	19.93 ave	10.4	0	30.33	56	46	-	-	-
			Margin [dB]:		-25.67	-15.67	-	-	-

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 68 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRS15 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 [dB(uVolts)]	2	3	4	5	6
=====									
Neutral .15 - 1MHz									
.15679	32.78 ave	11.9	0	44.68	65.6	55.6	-	-	-
			Margin [dB]:		-20.92	-10.92	-	-	-
.19792	32.43 ave	11.4	0	43.83	63.7	53.7	-	-	-
			Margin [dB]:		-19.87	-9.87	-	-	-
.21594	27.09 ave	11.2	0	38.29	63	53	-	-	-
			Margin [dB]:		-24.71	-14.71	-	-	-
.26025	30.22 ave	11	0	41.22	61.4	51.4	-	-	-
			Margin [dB]:		-20.18	-10.18	-	-	-
.32492	26.44 ave	10.7	0	37.14	59.6	49.6	-	-	-
			Margin [dB]:		-22.46	-12.46	-	-	-
.36605	28.23 ave	10.6	0	38.83	58.6	48.6	-	-	-
			Margin [dB]:		-19.77	-9.77	-	-	-
.42203	27.01 ave	10.6	0	37.61	57.4	47.4	-	-	-
			Margin [dB]:		-19.79	-9.79	-	-	-
.47037	26.59 ave	10.5	0	37.09	56.5	46.5	-	-	-
			Margin [dB]:		-19.41	-9.41	-	-	-
.5238	14.85 ave	10.5	0	25.35	56	46	-	-	-
			Margin [dB]:		-30.65	-20.65	-	-	-
.5802	-4.3 ave	10.4	0	6.1	56	46	-	-	-
			Margin [dB]:		-49.9	-39.9	-	-	-
.64317	4.74 ave	10.4	0	15.14	56	46	-	-	-
			Margin [dB]:		-40.86	-30.86	-	-	-
.68281	5.25 ave	10.4	0	15.65	56	46	-	-	-
			Margin [dB]:		-40.35	-30.35	-	-	-
.73624	-4.45 ave	10.4	0	5.95	56	46	-	-	-
			Margin [dB]:		-50.05	-40.05	-	-	-
.78946	-4.48 ave	10.4	0	5.92	56	46	-	-	-
			Margin [dB]:		-50.08	-40.08	-	-	-
.83653	-4.48 ave	10.4	0	5.92	56	46	-	-	-
			Margin [dB]:		-50.08	-40.08	-	-	-
.89314	-4.63 ave	10.4	0	5.77	56	46	-	-	-
			Margin [dB]:		-50.23	-40.23	-	-	-
.94763	-4.7 ave	10.4	0	5.7	56	46	-	-	-
			Margin [dB]:		-50.3	-40.3	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection
 ave - denotes average detection

LIMIT 1: FCC Part 15 Subpart C QPk
 LIMIT 2: FCC Part 15 Subpart C Avg

Project Number: 942642 File Number: MC15211 Page 69 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

4.2 Test Conditions and Results – OCCUPIED BANDWIDTH

Test Description	Measurements were made in the laboratory environment. A Dipole (or equivalent) antenna tuned to the transmit frequency was attached to the input of a spectrum analyzer. The device was operated and the spectrum analyzer resolution bandwidth set per the appropriate standard.
Basic Standard	FCC Part 15, Subpart C, 15.215, RSS-210
Occupied Bandwidth Limits	
Bandwidth = (99%) 908.42 = 899.3KHz	

Table 9 Occupied Bandwidth Configuration Settings

Power Interface Mode # (See Section 1.3.4)	EUT Configurations Mode # (See Section 1.5)	EUT Operation Mode # (See 1.6)
1	1	2
Supplementary information: None		

Table 10 Occupied Bandwidth Spectrum Analyzer Settings

Resolution Bandwidth (MHz)	Occupied Bandwidth Requirements	
	dBc	%
0.1	-20	99
Supplementary information: None		

Table 11 Occupied Bandwidth Test Equipment

Test Equipment Used			
Description	Manufacturer	Model	Identifier
EMI Receiver	Rohde & Schwarz	ESIB40	34968
Dipole Antenna	EMCO	3121C	3359
Temp/Humidity/ Pressure Meter	Cole Parmer	99760-00	4268
Measurement Software	UL	Version 9.3	44740
Multimeter	Fluke	83III	ME5B-306

Project Number: 942642 File Number: MC15211 Page 70 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

Figure 14 Test Setup for Occupied Bandwidth



Figure 15 Occupied Bandwidth Graph

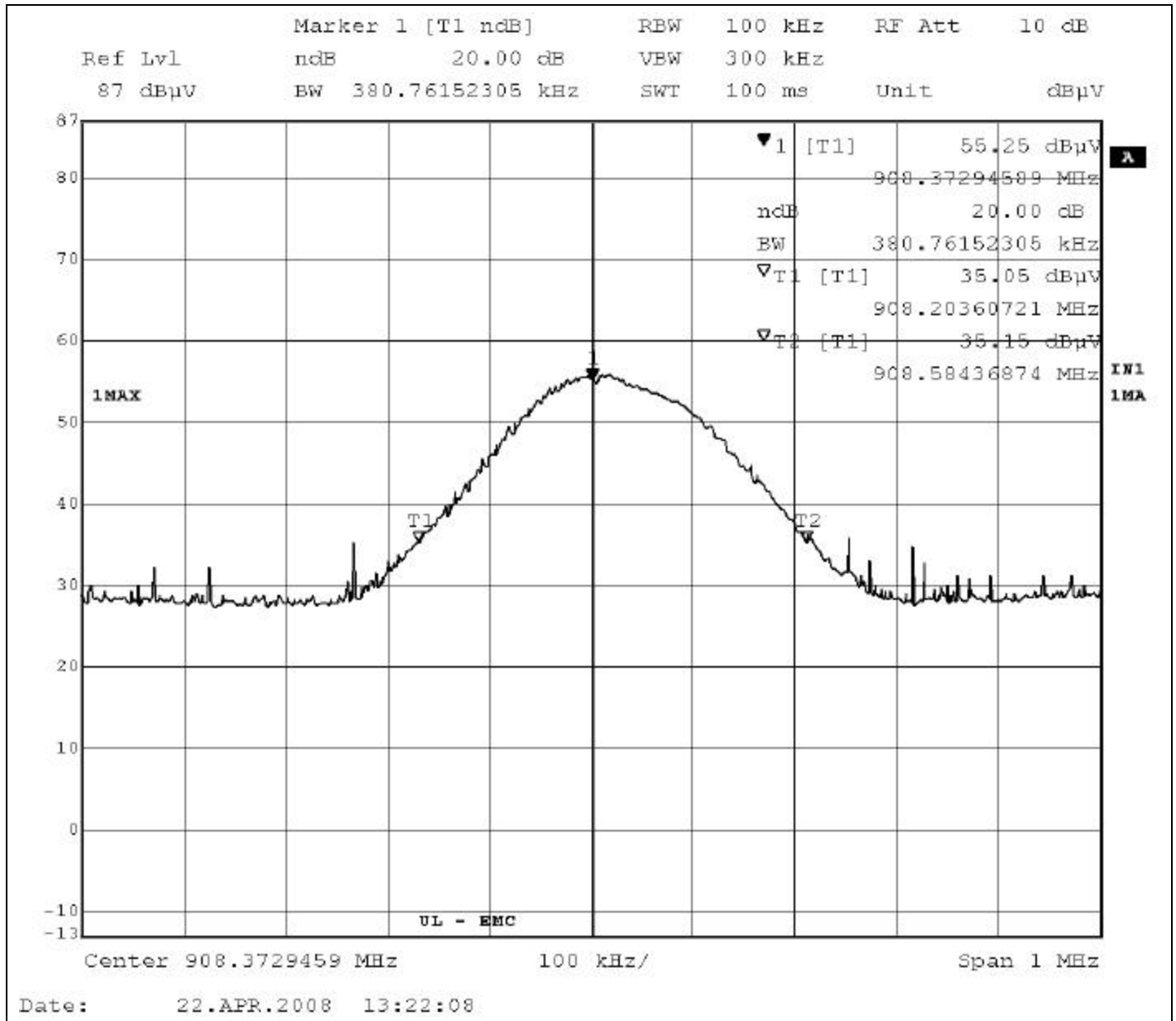
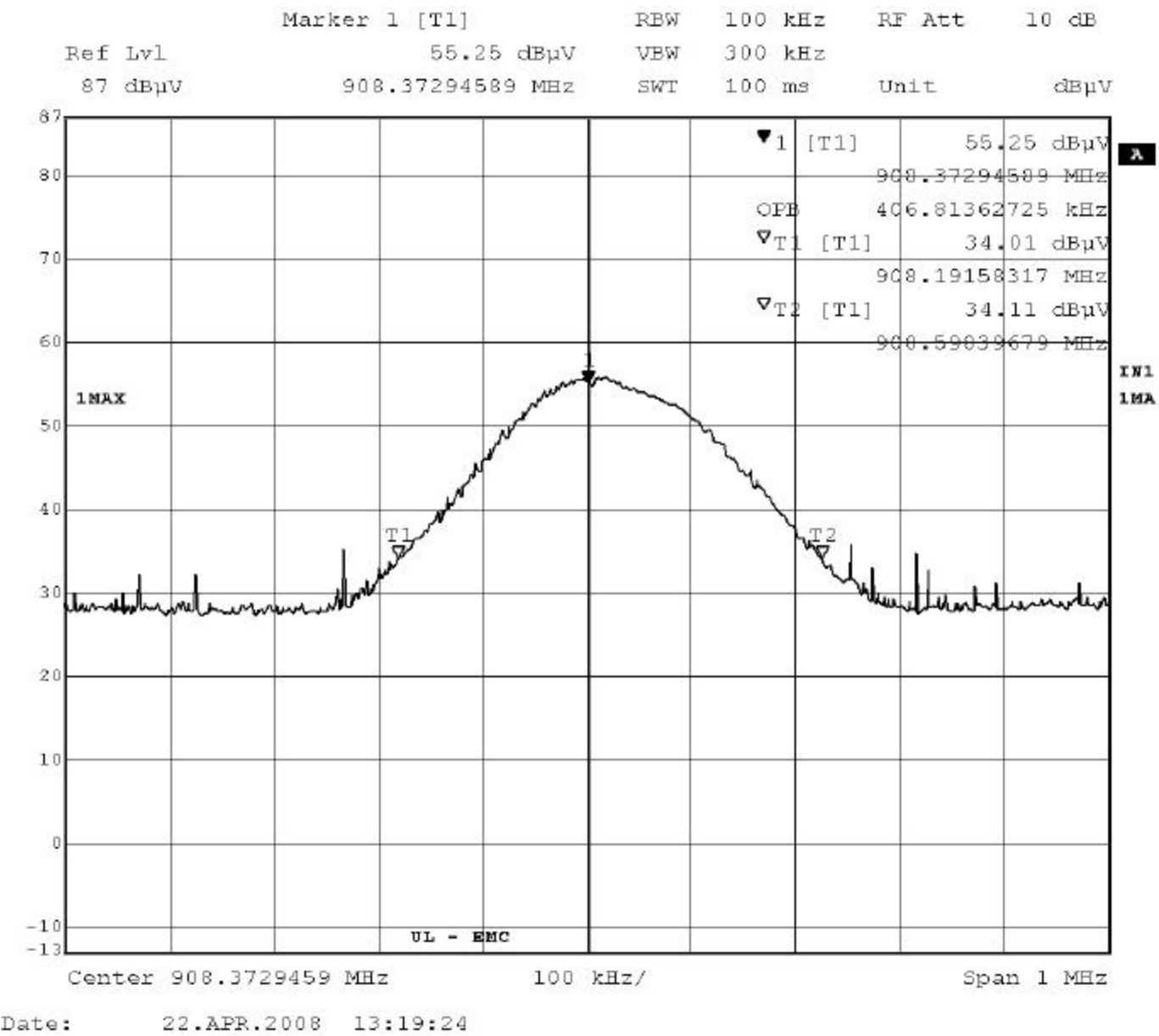


Figure 16 Occupied Bandwidth Graph



Project Number: 942642 File Number: MC15211 Page 73 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

4.3 Test Conditions and Results – RADIATED EMISSIONS

Test Description	Measurements were made in a 3-meter semi-anechoic chamber that complies to CISPR 16/ANSI C63.4. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3-meter. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in both horizontal and vertical polarities. Final measurements (quasi-peak or average as noted) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.		
Basic Standard		FCC Part 15, Subpart C, 15.249, RSS-210	
UL LPG		80-EM-S0029	
	Frequency range	Measurement Point	
Fully configured sample scanned over the following frequency range	0.009 MHz – 1GHz	(3 meter measurement distance)	
Fully configured sample scanned over the following frequency range	1GHz – 10 GHz	(3 meter measurement distance)	
Limits			
Frequency (MHz)	Limit (dBµV/m)		
	Quasi-Peak	Average	
	General Emissions	Fundamental	Spurious
0.009 – 0.490	128.5 – 93.8	-	-
0.490 – 1.705	73.8 – 63	-	-
1.705 – 30	69.5	-	-
30 – 88	40	-	-
88 – 216	43.5	-	-
216-960	46	-	
960-1000	54		
1000-10000	-	-	54
908.4	-	94	
SPURIOUS	-		54
Supplementary information: Spurious limits are only applied against products of the transmitter. All other emissions must meet the general limits. Portable transmitters are to be checked in 3 orthogonal Axis.			

Project Number: 942642 File Number: MC15211 Page 74 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 12 Radiated Emissions EUT Configuration Settings

Power Interface Mode # (See Section 1.3.4)	EUT Configurations Mode # (See Section 1.5)	EUT Operation Mode # (See 1.6)
1-6	1	3
Supplementary information: None		

Table 13 Radiated Emissions Test Equipment

Test Equipment Used			
Description	Manufacturer	Model	Identifier
60Hz-30MHz			
EMI Receiver	Rohde & Schwarz	ESIB40	34968
Active Loop Antenna	EMCO	6507	ME5A-288
Switch Driver	HP	11713A	ME7A-627
System Controller	Sunol Sciences	SC99V	44396
Camera Controller	Panasonic	WV-CU254	44395
RF Switch Box	UL	1	44398
Measurement Software	UL	Version 9.3	44740
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268
Multimeter	Fluke	87V	44547
30-1000MHz			
EMI Receiver	Rohde & Schwarz	ESIB40	34968
Bicon Antenna	Schaffner	VBA6106A	43441
Log-P Antenna	Schaffner	UPA6109	44068
Switch Driver	HP	11713A	ME7A-627
System Controller	Sunol Sciences	SC99V	44396
Camera Controller	Panasonic	WV-CU254	44395
RF Switch Box	UL	1	44398
Measurement Software	UL	Version 9.3	44740
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268
Multimeter	Fluke	87V	44547
Above 1GHz			
EMI Receiver	Rohde & Schwarz	ESIB40	34968

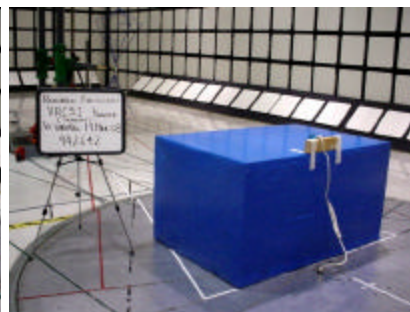
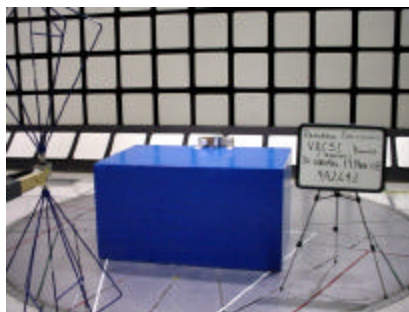
Project Number: 942642 File Number: MC15211 Page 75 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Test Equipment Used			
Description	Manufacturer	Model	Identifier
Horn Antenna	EMCO	3115	ME5A-766
Preamp (1 - 26GHz)	HP	8449B	ME5-914
Switch Driver	HP	11713A	ME7A-627
System Controller	Sunol Sciences	SC99V	44396
Camera Controller	Panasonic	WV-CU254	44395
RF Switch Box	UL	1	44398
Measurement Software	UL	Version 9.3	44740
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268
Multi meter	Fluke	87V	44547

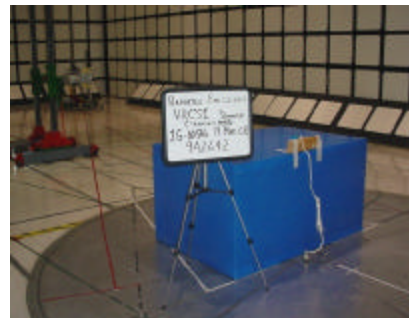
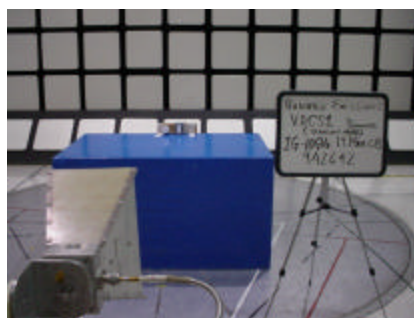
Figure 17 Test setup for Radiated Emissions VRCS1



Radiated Emissions test set-up front/rear view 9kHz to 30MHz



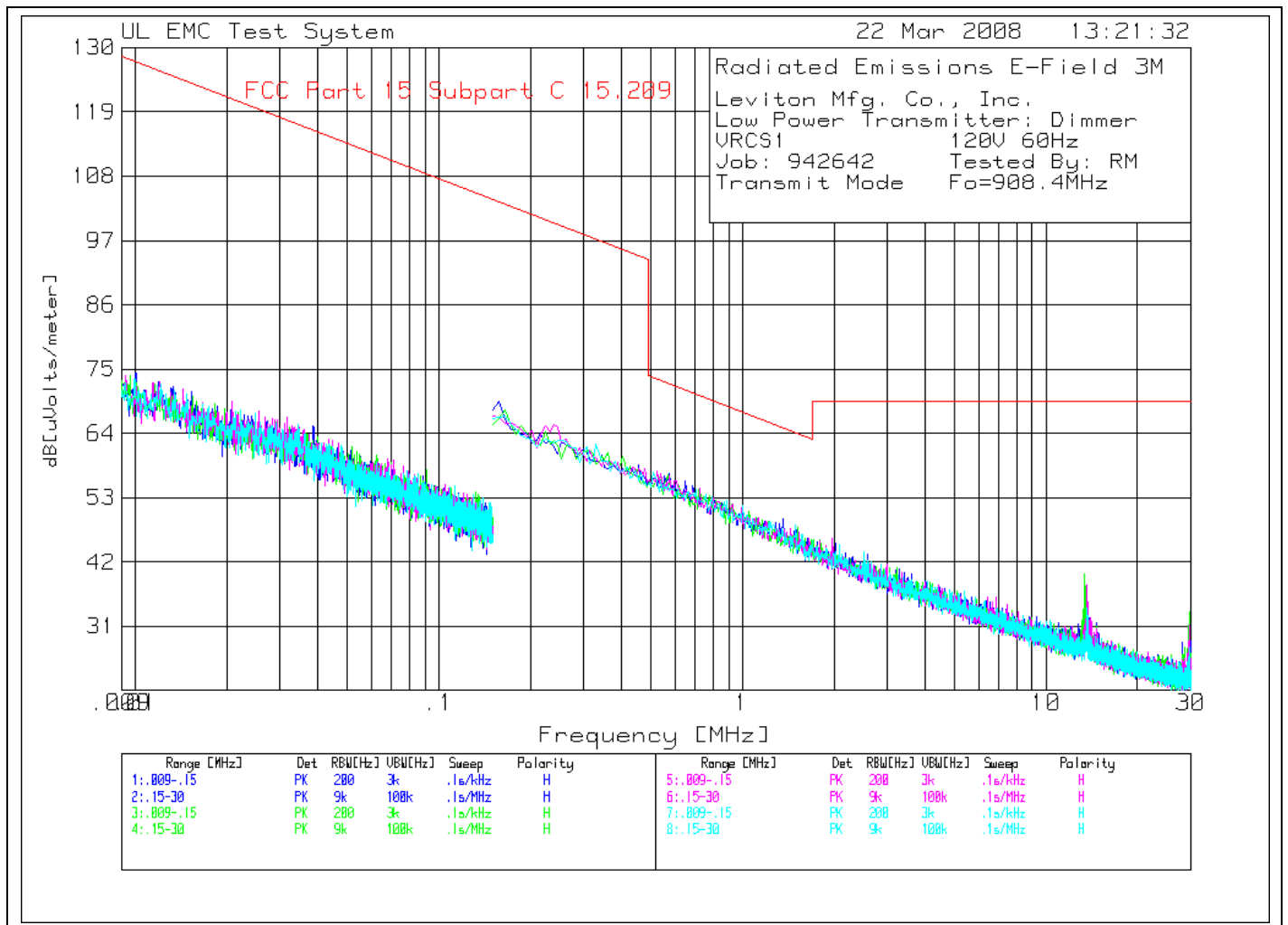
Radiated Emissions test set-up front/rear view 30MHz to 1000MHz



Radiated Emissions test set-up front/rear view 1GHz to 10GHz

The test set up is a representative of all model numbers evaluated

Figure 18 Radiated Emissions Graph VRCS1



Project Number: 942642 File Number: MC15211 Page 78 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 14 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
0° .009 - .15MHz -----										
1	.01002	44.86 pk	.2	29.2	74.26	127.6	-	-	-	-
	Azimuth:7	Height:100	Horz	Margin [dB]		-53.34	-	-	-	-
2	.03862	45.35 pk	0	20	65.35	115.9	-	-	-	-
	Azimuth:59	Height:100	Horz	Margin [dB]		-50.55	-	-	-	-
0° .15 - 30MHz -----										
3	1.35923	33.74 pk	.1	15.5	49.34	64.9	-	-	-	-
	Azimuth:32	Height:100	Horz	Margin [dB]		-15.56	-	-	-	-
4	13.46643	21.68 pk	.2	15.7	37.58	69.5	-	-	-	-
	Azimuth:285	Height:100	Horz	Margin [dB]		-31.92	-	-	-	-
5	29.57453	16.87 pk	.3	15.3	32.47	69.5	-	-	-	-
	Azimuth:32	Height:100	Horz	Margin [dB]		-37.03	-	-	-	-
45° .009 - .15MHz -----										
6	.09138	41.47 pk	0	16.2	57.67	108.4	-	-	-	-
	Azimuth:284	Height:120	Horz	Margin [dB]		-50.73	-	-	-	-
7	.13268	38.29 pk	0	15.8	54.09	105.1	-	-	-	-
	Azimuth:209	Height:120	Horz	Margin [dB]		-51.01	-	-	-	-
45° .15 - 30MHz -----										
8	1.05319	35.26 pk	0	15.5	50.76	67.2	-	-	-	-
	Azimuth:297	Height:120	Horz	Margin [dB]		-16.44	-	-	-	-
9	13.347	23.98 pk	.2	15.7	39.88	69.5	-	-	-	-
	Azimuth:354	Height:120	Horz	Margin [dB]		-29.62	-	-	-	-
10	29.57453	17.79 pk	.3	15.3	33.39	69.5	-	-	-	-
	Azimuth:176	Height:120	Horz	Margin [dB]		-36.11	-	-	-	-
90° .009 - .15MHz -----										
11	.02091	46.18 pk	.1	23.2	69.48	121.2	-	-	-	-
	Azimuth:301	Height:140	Horz	Margin [dB]		-51.72	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 79 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
90°	.15 - 30MHz	-----								
12	.23957	49.88 pk	0	15.6	65.48 100	-	-	-	-	-
	Azimuth:62	Height:140	Horz	Margin [dB]	-34.52	-	-	-	-	-
13	.72476	39.06 pk	0	15.5	54.56 70.4	-	-	-	-	-
	Azimuth:123	Height:140	Horz	Margin [dB]	-15.84	-	-	-	-	-
14	13.64557	22.28 pk	.2	15.7	38.18 69.5	-	-	-	-	-
	Azimuth:64	Height:140	Horz	Margin [dB]	-31.32	-	-	-	-	-
15	29.57453	15.53 pk	.3	15.3	31.13 69.5	-	-	-	-	-
	Azimuth:153	Height:140	Horz	Margin [dB]	-38.37	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 80 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

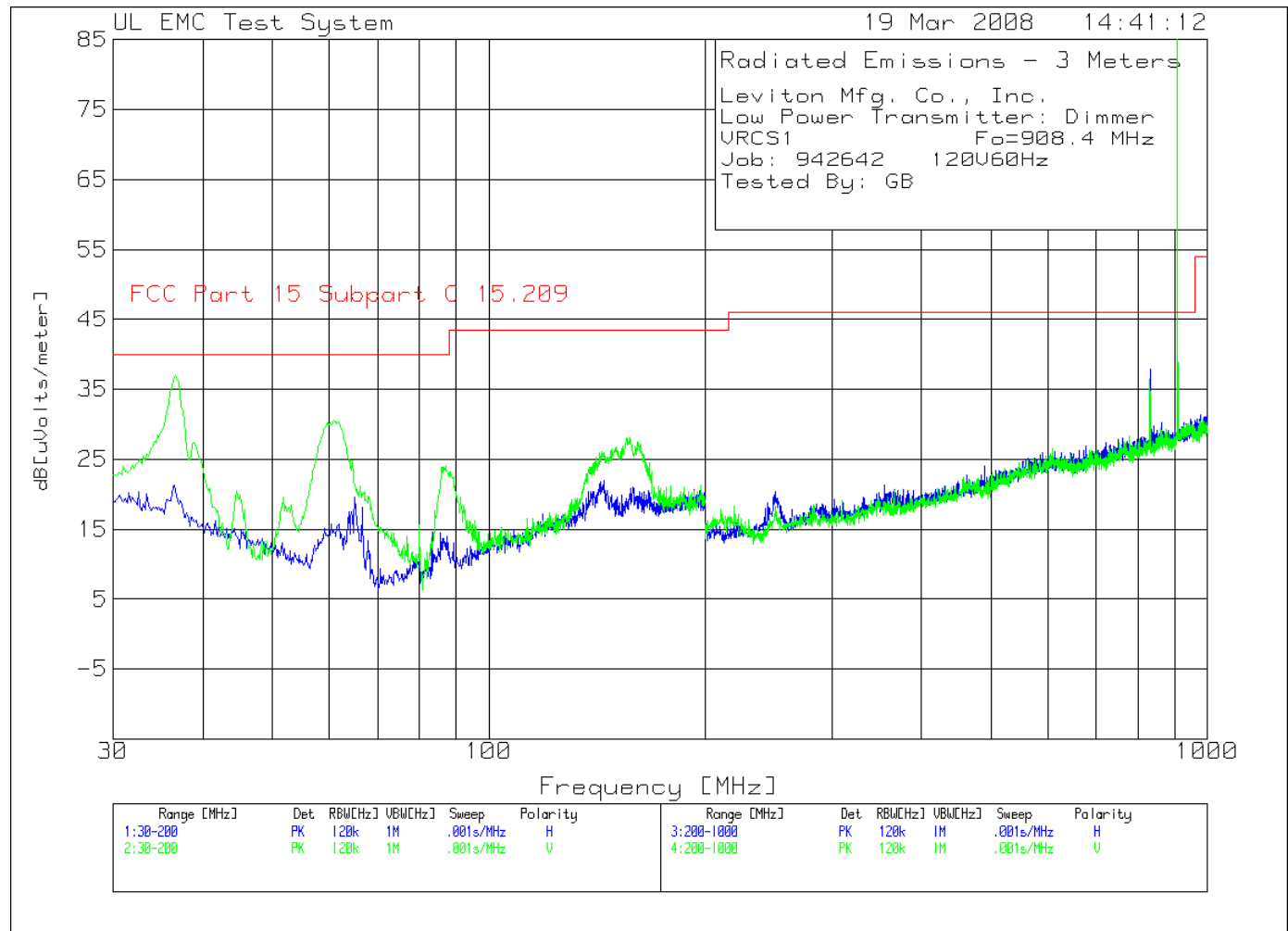
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
135°	.009 - .15MHz	-----									
16	.11265	39.22 pk	0	15.9	55.12	106.6	-	-	-	-	-
	Azimuth:7	Height:160	Horz	Margin [dB]		-51.48	-	-	-	-	-
135°	.15 - 30MHz	-----									
17	.32915	46.5 pk	0	15.6	62.1	97.3	-	-	-	-	-
	Azimuth:116	Height:160	Horz	Margin [dB]		-35.2	-	-	-	-	-
18	.88897	36.98 pk	0	15.5	52.48	68.6	-	-	-	-	-
	Azimuth:25	Height:160	Horz	Margin [dB]		-16.12	-	-	-	-	-
19	13.64557	18.27 pk	.2	15.7	34.17	69.5	-	-	-	-	-
	Azimuth:358	Height:160	Horz	Margin [dB]		-35.33	-	-	-	-	-
20	29.57453	11.88 pk	.3	15.3	27.48	69.5	-	-	-	-	-
	Azimuth:146	Height:160	Horz	Margin [dB]		-42.02	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 19 Radiated Emissions Graph VRCS1



Project Number: 942642 File Number: MC15211 Page 82 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 15 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
=====										
Vertical 30 - 200MHz -----										
1	36.6366	21.87 pk	.4	14.6	36.87	40	-	-	-	-
	Azimuth:343	Height:100	Vert	Margin [dB]	-3.13	-	-	-	-	-
2	60.8008	23.32 pk	.5	6.7	30.52	40	-	-	-	-
	Azimuth:343	Height:100	Vert	Margin [dB]	-9.48	-	-	-	-	-
Horizontal 200 - 1000MHz -----										
3	831.916	13.24 pk	1.8	22.8	37.84	46	-	-	-	-
	Azimuth:138	Height:400	Horz	Margin [dB]	-8.16	-	-	-	-	-
7	908.7544	55.41 pk	2	23.2	80.61	46	94	-	-	-
	Azimuth:228	Height:300	Horz	Margin [dB]	34.61	-13.39	-	-	-	-
Vertical 200 - 1000MHz -----										
4	831.1156	12.14 pk	1.8	22.5	36.44	46	-	-	-	-
	Azimuth:40	Height:400	Vert	Margin [dB]	-9.56	-	-	-	-	-
5	829.915	10.14 pk	1.8	22.5	34.44	46	-	-	-	-
	Azimuth:266	Height:100	Vert	Margin [dB]	-11.56	-	-	-	-	-
6	908.3542	60.89 pk	2	22.7	85.59	46	94	-	-	-
	Azimuth:221	Height:100	Vert	Margin [dB]	39.59	-8.41	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 83 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

Test	Meter	Gain/Loss	Transducer	Level	Limit:1	2	3	4
Frequency	Reading	Factor	Factor	dB[uVolts/meter]				
[MHz]	[dB(uV)]	[dB]	[dB]					
=====								
Vertical 30 - 200MHz								
36.6882	20.88 qp	.4	14.6	35.88	40	-	-	-
Azimuth: 146	Height:111	Vert	Margin	[dB]:	-4.12	-	-	-
Horizontal 200 - 1000MHz								
908.3828	54.77 pk	2	23.2	79.97	46	94	-	-
Azimuth: 52	Height:143	Horz	Margin	[dB]:	33.97	-14.03	-	-
908.3828	54.84 qp	2	23.2	80.04	46	94	-	-
Azimuth: 52	Height:143	Horz	Margin	[dB]:	34.04	-13.96	-	-
Vertical 200 - 1000MHz								
908.3858	61.43 pk	2	22.7	86.13	46	94	-	-
Azimuth: 122	Height:111	Vert	Margin	[dB]:	40.13	-7.87	-	-
908.3858	61.73 qp	2	22.7	86.43	46	94	-	-
Azimuth: 122	Height:111	Vert	Margin	[dB]:	40.43	-7.57	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 85 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 16 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
Horizontal 1000 - 3000MHz -----										
1	1816.817	42.29 pk	-30.5	26.8	38.59	54	-	-	-	-
	Azimuth:304	Height:200	Horz	Margin [dB]	-15.41	-	-	-	-	-
2	2725.726	38.47 pk	-28.5	29.5	39.47	54	-	-	-	-
	Azimuth:165	Height:200	Horz	Margin [dB]	-14.53	-	-	-	-	-
Horizontal 3000 - 6000MHz -----										
3	4100.734	35.56 pk	-25.6	32.4	42.36	54	-	-	-	-
	Azimuth:57	Height:200	Horz	Margin [dB]	-11.64	-	-	-	-	-
4	5465.644	33.73 pk	-23.1	34.1	44.73	54	-	-	-	-
	Azimuth:358	Height:200	Horz	Margin [dB]	-9.27	-	-	-	-	-
5	5767.845	34.02 pk	-23.4	34.4	45.02	54	-	-	-	-
	Azimuth:81	Height:200	Horz	Margin [dB]	-8.98	-	-	-	-	-
Horizontal 6000 - 10000MHz -----										
6	6982.491	33.31 pk	-20.9	35.6	48.01	54	-	-	-	-
	Azimuth:113	Height:100	Horz	Margin [dB]	-5.99	-	-	-	-	-
7	8053.027	31.15 pk	-20.4	37	47.75	54	-	-	-	-
	Azimuth:84	Height:200	Horz	Margin [dB]	-6.25	-	-	-	-	-
8	8575.288	31.28 pk	-20.4	37.4	48.28	54	-	-	-	-
	Azimuth:306	Height:200	Horz	Margin [dB]	-5.72	-	-	-	-	-
9	9589.795	31.25 pk	-19	37.8	50.05	54	-	-	-	-
	Azimuth:169	Height:100	Horz	Margin [dB]	-3.95	-	-	-	-	-
Vertical 1000 - 3000MHz -----										
10	1816.817	40.84 pk	-30.5	26.8	37.14	54	-	-	-	-
	Azimuth:26	Height:200	Vert	Margin [dB]	-16.86	-	-	-	-	-
11	2641.642	38.58 pk	-28.6	29.1	39.08	54	-	-	-	-
	Azimuth:359	Height:100	Vert	Margin [dB]	-14.92	-	-	-	-	-
Vertical 3000 - 6000MHz -----										
12	5805.871	44.45 pk	-23.3	34.3	55.45	54	-	-	-	-
	Azimuth:331	Height:200	Vert	Margin [dB]	1.45	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 86 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
Vertical 6000 - 10000MHz -----											
13	6970.485	33.55 pk	-21	35.3	47.85	54	-	-	-	-	-
	Azimuth:331	Height:200	Vert	Margin [dB]		-6.15	-	-	-	-	-
14	8073.037	31.77 pk	-20.5	37.1	48.37	54	-	-	-	-	-
	Azimuth:84	Height:200	Vert	Margin [dB]		-5.63	-	-	-	-	-
15	9067.534	31.01 pk	-20.4	37.6	48.21	54	-	-	-	-	-
	Azimuth:165	Height:200	Vert	Margin [dB]		-5.79	-	-	-	-	-
16	9747.874	31.11 pk	-18.7	37.9	50.31	54	-	-	-	-	-
	Azimuth:165	Height:200	Vert	Margin [dB]		-3.69	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 87 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

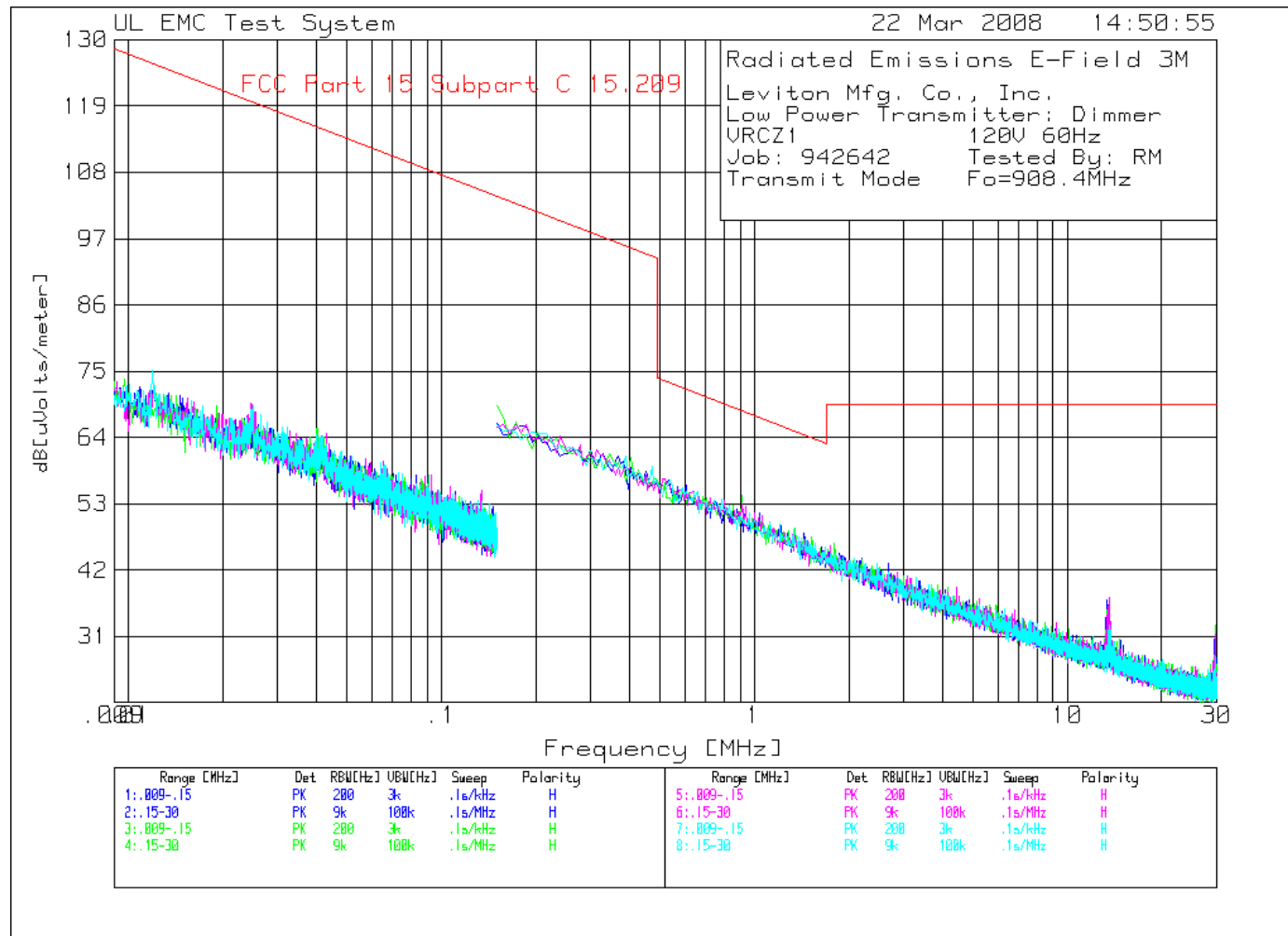
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
1816.8345	41.87 ave	-30.5	26.8	38.17	54	-	-	-	-	-
Azimuth: 88	Height:101	Horz	Margin	[dB]: -15.83	-	-	-	-	-	-
2725.1874	35.28 ave	-28.5	29.5	36.28	54	-	-	-	-	-
Azimuth: 137	Height:136	Horz	Margin	[dB]: -17.72	-	-	-	-	-	-
5465.644	29.13 ave	-23.1	34.1	40.13	54	-	-	-	-	-
Azimuth: 4	Height:119	Horz	Margin	[dB]: -13.87	-	-	-	-	-	-
6982.491	34.81 ave	-20.9	35.6	49.51	54	-	-	-	-	-
Azimuth: 187	Height:200	Horz	Margin	[dB]: -4.49	-	-	-	-	-	-
8575.288	26.13 ave	-20.4	37.4	43.13	54	-	-	-	-	-
Azimuth: 121	Height:154	Horz	Margin	[dB]: -10.87	-	-	-	-	-	-
9589.795	25.68 ave	-19	37.8	44.48	54	-	-	-	-	-
Azimuth: 137	Height:195	Horz	Margin	[dB]: -9.52	-	-	-	-	-	-
1816.805	39.43 ave	-30.5	26.8	35.73	54	-	-	-	-	-
Azimuth: 60	Height:158	Vert	Margin	[dB]: -18.27	-	-	-	-	-	-
5805.871	28.79 ave	-23.3	34.3	39.79	54	-	-	-	-	-
Azimuth: 312	Height:160	Vert	Margin	[dB]: -14.21	-	-	-	-	-	-
9067.534	25.52 ave	-20.4	37.6	42.72	54	-	-	-	-	-
Azimuth: 249	Height:147	Vert	Margin	[dB]: -11.28	-	-	-	-	-	-
8073.037	25.96 ave	-20.5	37.1	42.56	54	-	-	-	-	-
Azimuth: 110	Height:197	Vert	Margin	[dB]: -11.44	-	-	-	-	-	-
9747.874	25.78 ave	-18.7	37.9	44.98	54	-	-	-	-	-
Azimuth: 115	Height:167	Vert	Margin	[dB]: -9.02	-	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

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Project Number: 942642 File Number: MC15211 Page 89 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 17 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCZ1 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
0° .009 - .15MHz -----											
1	.01092	43.92 pk	-.2	28.7	72.42	126.8	-	-	-	-	-
	Azimuth:354	Height:100	Horz	Margin [dB]		-54.38	-	-	-	-	-
0° .15 - 30MHz -----											
2	.60533	40.67 pk	0	15.5	56.17	72	-	-	-	-	-
	Azimuth:245	Height:100	Horz	Margin [dB]		-15.83	-	-	-	-	-
3	13.347	21.12 pk	.2	15.7	37.02	69.5	-	-	-	-	-
	Azimuth:354	Height:100	Horz	Margin [dB]		-32.48	-	-	-	-	-
4	29.57453	16.83 pk	.3	15.3	32.43	69.5	-	-	-	-	-
	Azimuth:354	Height:100	Horz	Margin [dB]		-37.07	-	-	-	-	-
45° .009 - .15MHz -----											
5	.01921	45.39 pk	0	23.8	69.19	121.9	-	-	-	-	-
	Azimuth:59	Height:120	Horz	Margin [dB]		-52.71	-	-	-	-	-
45° .15 - 30MHz -----											
6	.91137	38.98 pk	0	15.5	54.48	68.4	-	-	-	-	-
	Azimuth:85	Height:120	Horz	Margin [dB]		-13.92	-	-	-	-	-
7	13.39925	19.55 pk	.2	15.7	35.45	69.5	-	-	-	-	-
	Azimuth:108	Height:120	Horz	Margin [dB]		-34.05	-	-	-	-	-
8	29.57453	17.32 pk	.3	15.3	32.92	69.5	-	-	-	-	-
	Azimuth:355	Height:120	Horz	Margin [dB]		-36.58	-	-	-	-	-
90° .009 - .15MHz -----											
9	.02463	47.21 pk	0	22.5	69.71	119.8	-	-	-	-	-
	Azimuth:301	Height:140	Horz	Margin [dB]		-50.09	-	-	-	-	-
90° .15 - 30MHz -----											
10	.94122	36.97 pk	0	15.5	52.47	68.1	-	-	-	-	-
	Azimuth:62	Height:140	Horz	Margin [dB]		-15.63	-	-	-	-	-
11	13.56347	21.61 pk	.2	15.7	37.51	69.5	-	-	-	-	-
	Azimuth:220	Height:140	Horz	Margin [dB]		-31.99	-	-	-	-	-
12	29.57453	15.74 pk	.3	15.3	31.34	69.5	-	-	-	-	-
	Azimuth:32	Height:140	Horz	Margin [dB]		-38.16	-	-	-	-	-
135° .009 - .15MHz -----											
13	.01199	47 pk	.2	28	75.2	126	-	-	-	-	-
	Azimuth:7	Height:159	Horz	Margin [dB]		-50.8	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 90 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

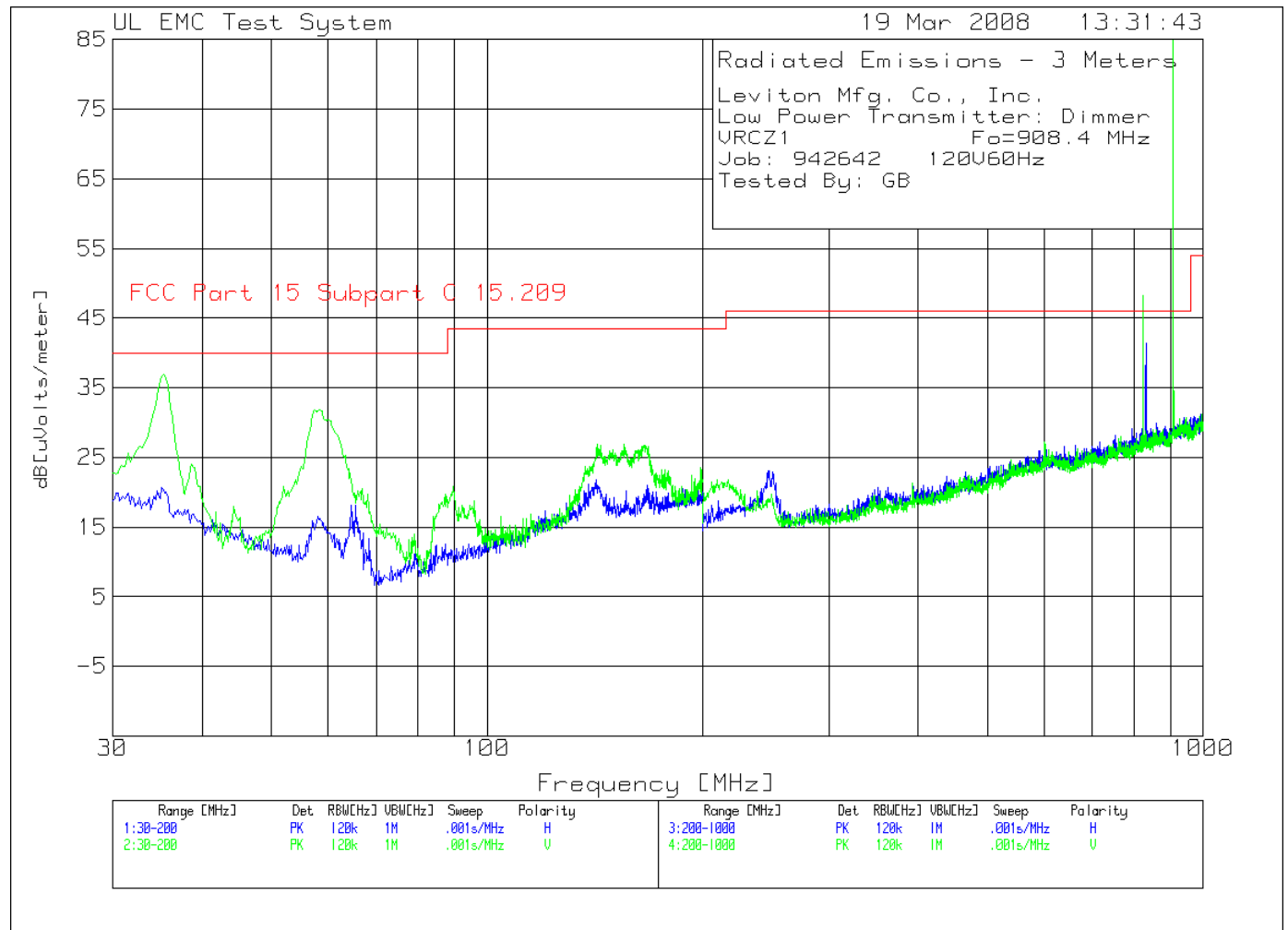
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCZ1 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
135°	.15 - 30MHz	-----									
14	.47097	43.76 pk	0	15.5	59.26	94.1	-	-	-	-	-
	Azimuth:146	Height:159	Horz	Margin [dB]		-34.84	-	-	-	-	-
15	13.64557	17.06 pk	.2	15.7	32.96	69.5	-	-	-	-	-
	Azimuth:234	Height:159	Horz	Margin [dB]		-36.54	-	-	-	-	-
16	29.57453	12.11 pk	.3	15.3	27.71	69.5	-	-	-	-	-
	Azimuth:146	Height:159	Horz	Margin [dB]		-41.79	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 22 Radiated Emissions Graph VRCZ1



Project Number: 942642 File Number: MC15211 Page 92 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 18 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCZ1 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
=====										
Vertical 30 - 200MHz -----										
1	35.2753	21.49 pk	.4	15.1	36.99	40	-	-	-	-
	Azimuth:358	Height:100	Vert	Margin [dB]		-3.01	-	-	-	-
2	57.3974	24.08 pk	.5	7.3	31.88	40	-	-	-	-
	Azimuth:324	Height:100	Vert	Margin [dB]		-8.12	-	-	-	-
3	155.4154	10.62 pk	.8	15.5	26.92	43.5	-	-	-	-
	Azimuth:181	Height:100	Vert	Margin [dB]		-16.58	-	-	-	-
Horizontal 200 - 1000MHz -----										
5	830.3152	13.66 pk	1.8	22.8	38.26	46	-	-	-	-
	Azimuth:62	Height:300	Horz	Margin [dB]		-7.74	-	-	-	-
6	832.3162	16.73 pk	1.8	22.8	41.33	46	-	-	-	-
	Azimuth:146	Height:300	Horz	Margin [dB]		-4.67	-	-	-	-
7	908.3542	55.91 pk	2	23.2	81.11	46	94	-	-	-
	Azimuth:188	Height:200	Horz	Margin [dB]		35.11	-12.89	-	-	-
Vertical 200 - 1000MHz -----										
4	825.1126	24.2 pk	1.8	22.2	48.2	46	-	-	-	-
	Azimuth:345	Height:300	Vert	Margin [dB]		2.2	-	-	-	-
8	908.3542	60.11 pk	2	22.7	84.81	46	94	-	-	-
	Azimuth:62	Height:100	Vert	Margin [dB]		38.81	-9.19	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 93 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

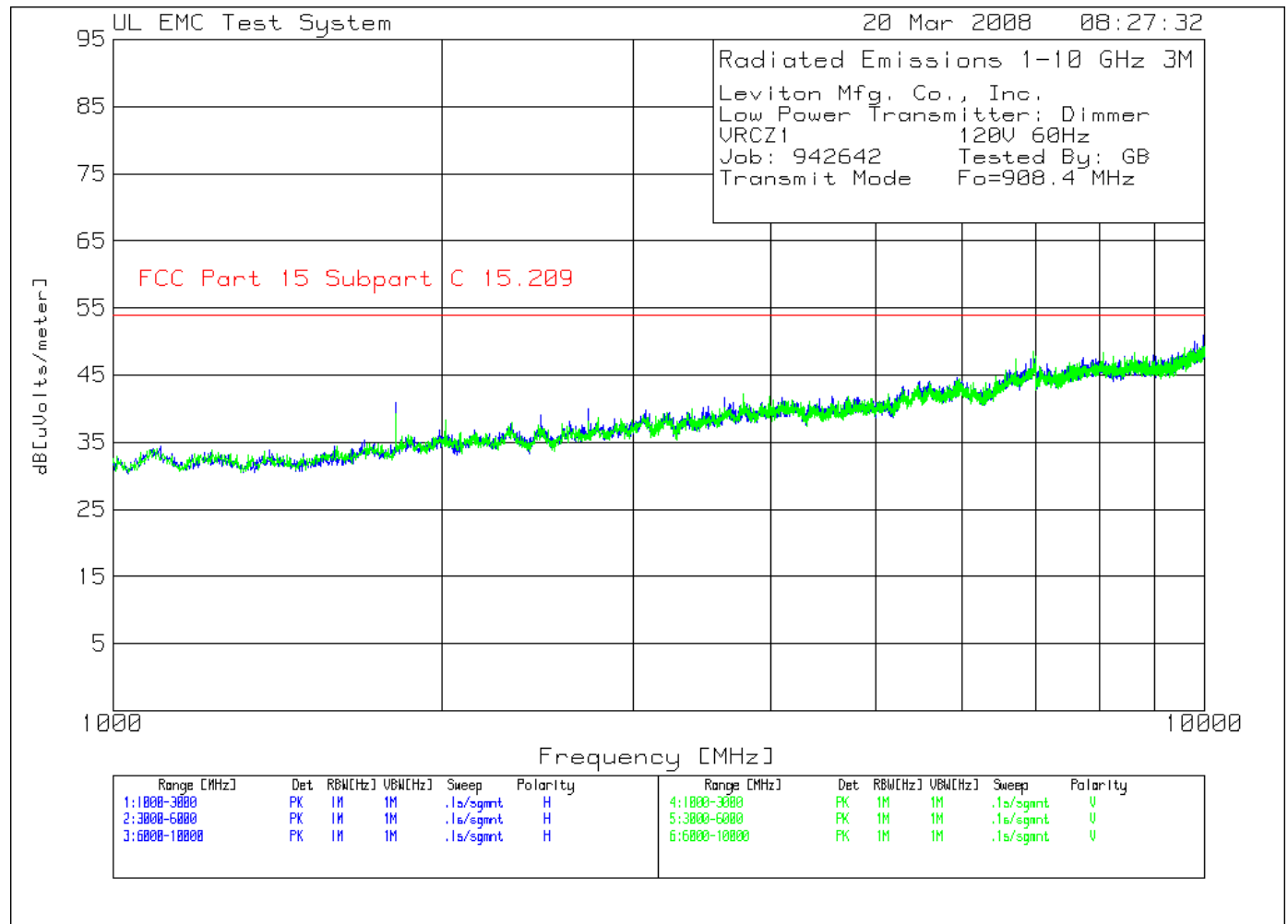
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCZ1 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====										
Vertical 30 - 200MHz										
35.4342	20.21 qp	.4	15	35.61	40	-	-	-	-	-
Azimuth: 152 Height:100 Vert					Margin [dB]:	-4.39	-	-	-	-
Horizontal 200 - 1000MHz										
908.3808	57.05 pk	2	23.2	82.25	46	94	-	-	-	-
Azimuth: 55 Height:143 Horz					Margin [dB]:	36.25	-11.25	-	-	-
908.3808	57.09 qp	2	23.2	82.29	46	94	-	-	-	-
Azimuth: 55 Height:143 Horz					Margin [dB]:	36.29	-11.71	-	-	-
832.3	14.59 qp	1.8	22.8	39.19	46	-	-	-	-	-
Azimuth: 49 Height:214 Horz					Margin [dB]:	-6.81	-	-	-	-
Vertical 200 - 1000MHz										
825	8.24 qp	1.8	22.2	32.24	46	-	-	-	-	-
Azimuth: 104 Height:234 Vert					Margin [dB]:	-13.76	-	-	-	-
908.3787	59.69 pk	2	22.7	84.39	46	94	-	-	-	-
Azimuth: 191 Height:118 Vert					Margin [dB]:	38.39	-9.61	-	-	-
908.3787	59.77 qp	2	22.7	84.47	46	94	-	-	-	-
Azimuth: 191 Height:118 Vert					Margin [dB]:	38.47	-9.53	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 23 Radiated Emissions Graph VRCZ1



Project Number: 942642 File Number: MC15211 Page 95 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 19 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCZ1 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
Horizontal 1000 - 3000MHz -----										
1	1816.817	44.61 pk	-30.5	26.8	40.91	54	-	-	-	-
	Azimuth:111	Height:99	Horz	Margin [dB]		-13.09	-	-	-	-
3	2467.467	39.35 pk	-29	28.7	39.05	54	-	-	-	-
	Azimuth:83	Height:99	Horz	Margin [dB]		-14.95	-	-	-	-
4	2725.726	38.95 pk	-28.5	29.5	39.95	54	-	-	-	-
	Azimuth:194	Height:99	Horz	Margin [dB]		-14.05	-	-	-	-
Horizontal 3000 - 6000MHz -----										
5	3632.422	36.13 pk	-26	31.5	41.63	54	-	-	-	-
	Azimuth:0	Height:100	Horz	Margin [dB]		-12.37	-	-	-	-
Horizontal 6000 - 10000MHz -----										
9	9973.987	31.15 pk	-18.4	38.2	50.95	54	-	-	-	-
	Azimuth:111	Height:200	Horz	Margin [dB]		-3.05	-	-	-	-
Vertical 1000 - 3000MHz -----										
2	1816.817	42.97 pk	-30.5	26.8	39.27	54	-	-	-	-
	Azimuth:0	Height:100	Vert	Margin [dB]		-14.73	-	-	-	-
Vertical 3000 - 6000MHz -----										
6	3776.518	35.64 pk	-25.3	31.9	42.24	54	-	-	-	-
	Azimuth:221	Height:100	Vert	Margin [dB]		-11.76	-	-	-	-
Vertical 6000 - 10000MHz -----										
7	6712.356	34.25 pk	-21.7	34.9	47.45	54	-	-	-	-
	Azimuth:28	Height:100	Vert	Margin [dB]		-6.55	-	-	-	-
8	6966.483	34.28 pk	-21.1	35.3	48.48	54	-	-	-	-
	Azimuth:249	Height:199	Vert	Margin [dB]		-5.52	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 96 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCZ1 120V 60Hz
 Job: 942642 Tested By: GB

Transmit Mode	Fo=908.4 MHz									
Test Meter	Gain/Loss	Transducer	Level	Limit:1	2	3	4	5	6	
Frequency [MHz]	Reading [dB(uV)]	Factor [dB]	Factor [dB]	dB[uVolts/meter]						
=====										
Horizontal 1000 - 3000MHz										
1816.7216	43.98 pk	-30.5	26.8	40.28	54	-	-	-	-	-
Azimuth: 183	Height:183	Horz	Margin	[dB]:	-13.72	-	-	-	-	-
1816.7216	41.45 ave	-30.5	26.8	37.75	54	-	-	-	-	-
Azimuth: 183	Height:183	Horz	Margin	[dB]:	-16.25	-	-	-	-	-
2725.3006	39.44 pk	-28.5	29.5	40.44	54	-	-	-	-	-
Azimuth: 165	Height:112	Horz	Margin	[dB]:	-13.56	-	-	-	-	-
2725.3006	34.93 ave	-28.5	29.5	35.93	54	-	-	-	-	-
Azimuth: 165	Height:112	Horz	Margin	[dB]:	-18.07	-	-	-	-	-
Horizontal 3000 - 6000MHz										
3633.3359	28.87 ave	-26	31.5	34.37	54	-	-	-	-	-
Azimuth: 181	Height:139	Horz	Margin	[dB]:	-19.63	-	-	-	-	-
3633.3359	28.85 ave	-26	31.5	34.35	54	-	-	-	-	-
Azimuth: 181	Height:139	Horz	Margin	[dB]:	-19.65	-	-	-	-	-
Horizontal 6000 - 10000MHz										
9761.4752	25.09 ave	-18.8	38	44.29	54	-	-	-	-	-
Azimuth: 339	Height:182	Horz	Margin	[dB]:	-9.71	-	-	-	-	-
Vertical 1000 - 3000MHz										
1816.7216	49.78 ave	-30.5	26.8	46.08	54	-	-	-	-	-
Azimuth: 268	Height:108	Vert	Margin	[dB]:	-7.92	-	-	-	-	-
Vertical 6000 - 10000MHz										
6712.6	31.6 ave	-21.7	34.9	44.8	54	-	-	-	-	-
Azimuth: 343	Height:181	Vert	Margin	[dB]:	-9.2	-	-	-	-	-
6963.9401	33.86 ave	-21.2	35.3	47.96	54	-	-	-	-	-
Azimuth: 251	Height:160	Vert	Margin	[dB]:	-6.04	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

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UL EMC Test System 26 Mar 2008 10:17:30

Radiated Emissions E-Field 3M

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 URI06 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4MHz

Frequency [MHz]

Range [MHz]	Det	RBW [Hz]	VBW [Hz]	Sweep	Polarity	Range [MHz]	Det	RBW [Hz]	VBW [Hz]	Sweep	Polarity
1: .009-.15	PK	200	3k	.1s/kHz	H	5: .009-.15	PK	200	3k	.1s/kHz	H
2: .15-30	PK	9k	100k	.1s/MHz	H	6: .15-30	PK	9k	100k	.1s/MHz	H
3: .009-.15	PK	200	3k	.1s/kHz	H	7: .009-.15	PK	200	3k	.1s/kHz	H
4: .15-30	PK	9k	100k	.1s/MHz	H	8: .15-30	PK	9k	100k	.1s/MHz	H

Project Number: 942642 File Number: MC15211 Page 98 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 20 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI06 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
0°	.009 - .15MHz	-----									
1	.01216	45.68 pk	.1	27.9	73.68	125.9	-	-	-	-	-
	Azimuth:2	Height:100	Horz	Margin [dB]		-52.22	-	-	-	-	-
3	.04184	45.34 pk	0	19.4	64.74	115.2	-	-	-	-	-
	Azimuth:209	Height:100	Horz	Margin [dB]		-50.46	-	-	-	-	-

0°	.15 - 30MHz	-----									
5	.41872	44.62 pk	0	15.5	60.12	95.2	-	-	-	-	-
	Azimuth:336			Margin [dB]		-35.08	-	-	-	-	-
6	.76208	40.55 pk	0	15.5	56.05	70	-	-	-	-	-
	Azimuth:32	Height:120	Horz	Margin [dB]		-13.95	-	-	-	-	-

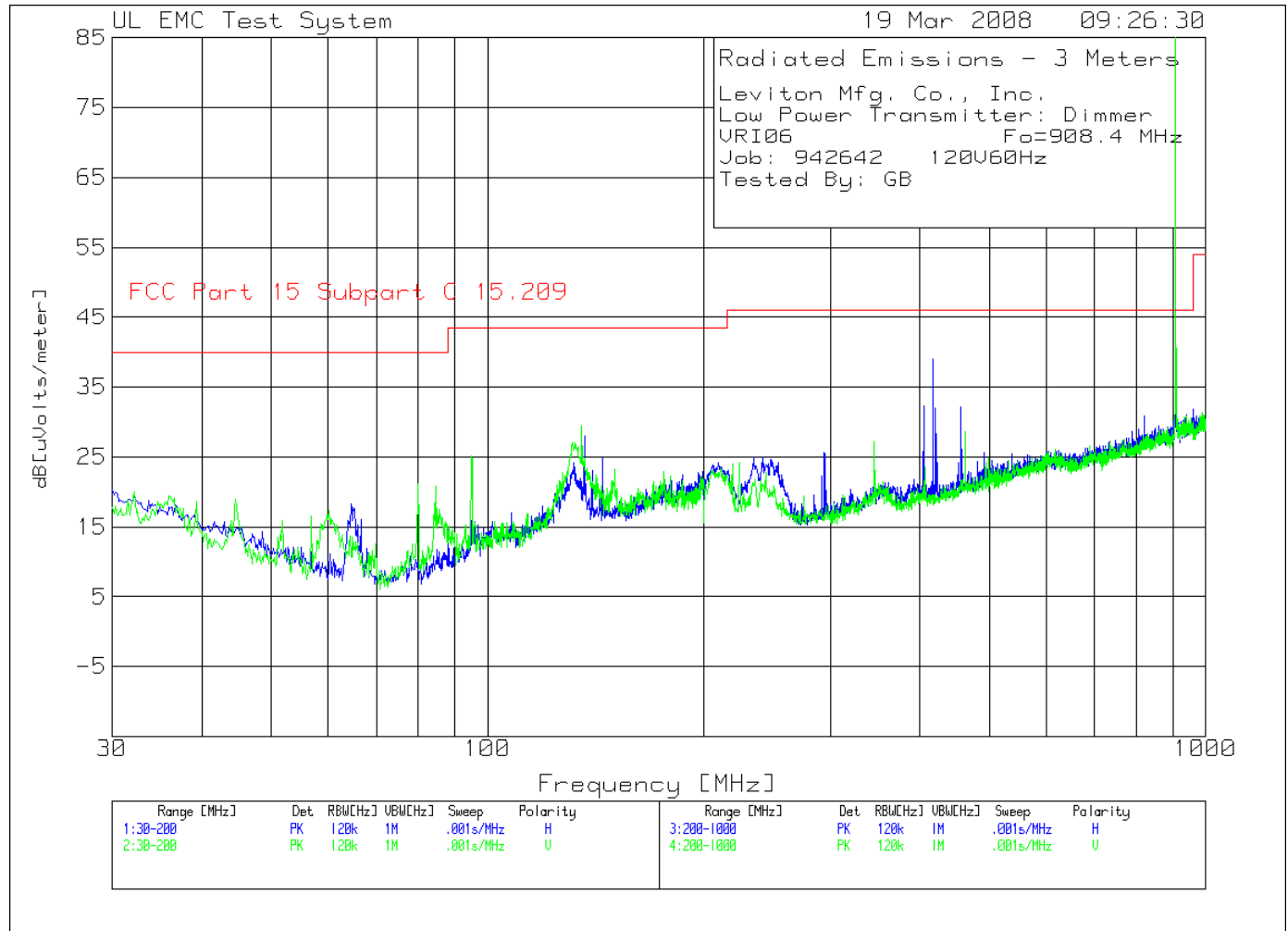
90°	.009 - .15MHz	-----									
2	.01577	45.03 pk	.1	25.8	70.93	123.6	-	-	-	-	-
	Azimuth:226	Height:100	Horz	Margin [dB]		-52.67	-	-	-	-	-

90°	.15 - 30MHz	-----									
4	.17239	52.27 pk	0	15.7	67.97	102.9	-	-	-	-	-
	Azimuth:286	Height:100	Horz	Margin [dB]		-34.93	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 25 Radiated Emissions Graph VRI06



Project Number: 942642 File Number: MC15211 Page 100 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 21 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI06 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
=====										
Vertical 30 - 200MHz -----										
1	95.005	13.84 pk	.6	10.7	25.14	43.5	-	-	-	-
	Azimuth:250	Height:100	Vert	Margin [dB]		-18.36	-	-	-	-
2	135.3353	14.29 pk	.7	14.4	29.39	43.5	-	-	-	-
	Azimuth:213	Height:100	Vert	Margin [dB]		-14.11	-	-	-	-
Horizontal 200 - 1000MHz -----										
3	404.9025	14.6 pk	1.3	16.4	32.3	46	-	-	-	-
	Azimuth:104	Height:100	Horz	Margin [dB]		-13.7	-	-	-	-
4	416.9085	21.03 pk	1.3	16.6	38.93	46	-	-	-	-
	Azimuth:104	Height:300	Horz	Margin [dB]		-7.07	-	-	-	-
5	908.3542	55.25 pk	2	23.2	80.45	46	94	-	-	-
	Azimuth:233	Height:300	Horz	Margin [dB]		34.45	-13.55	-	-	-
Vertical 200 - 1000MHz -----										
6	908.3542	61.99 pk	2	22.7	86.69	46	94	-	-	-
	Azimuth:232	Height:100	Vert	Margin [dB]		40.69	-7.31	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 101 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

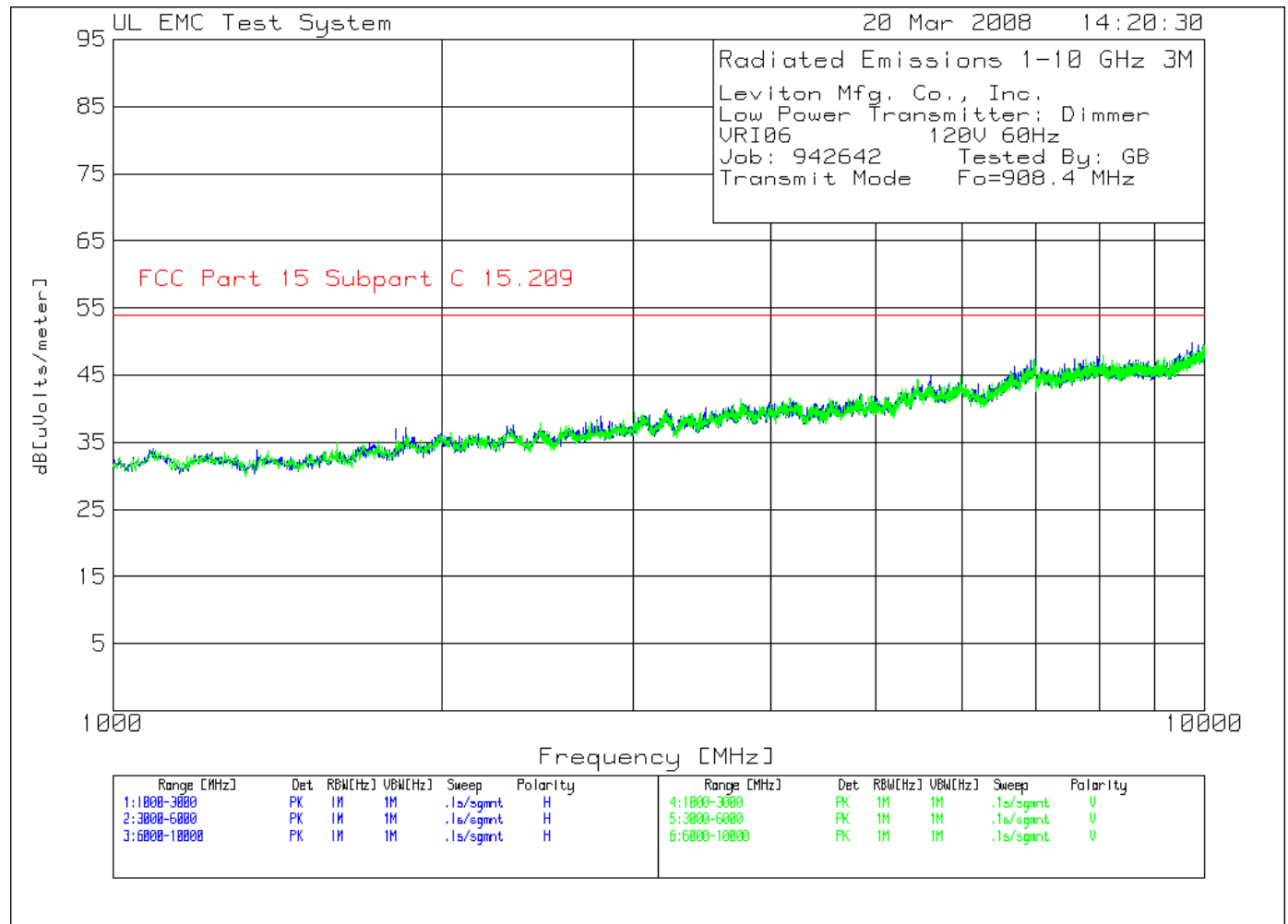
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI06 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====										
Horizontal 200 - 1000MHz										
908.3806	51.39 pk	2	23.2	76.59	46	94	-	-	-	-
Azimuth: 24	Height:101	Horz	Margin	[dB]:	30.59	-17.41	-	-	-	-
908.3806	51.78 qp	2	23.2	76.98	46	94	-	-	-	-
Azimuth: 24	Height:101	Horz	Margin	[dB]:	30.98	-17.02	-	-	-	-
Vertical 200 - 1000MHz										
908.3787	63.69 pk	2	22.7	88.39	46	94	-	-	-	-
Azimuth: 110	Height:116	Vert	Margin	[dB]:	42.39	-5.61	-	-	-	-
908.3787	64.19 qp	2	22.7	88.89	46	94	-	-	-	-
Azimuth: 110	Height:116	Vert	Margin	[dB]:	42.89	-5.11	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 26 Radiated Emissions Graph VRI06



Project Number: 942642 File Number: MC15211 Page 103 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 22 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI06 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 1000 - 3000MHz -----											
1	1816.817	40.64 pk	-30.5	26.8	36.94	54	-	-	-	-	-
	Azimuth:55	Height:200	Horz	Margin [dB]	-17.06	-	-	-	-	-	-
2	1854.855	40.42 pk	-30.2	27	37.22	54	-	-	-	-	-
	Azimuth:83	Height:100	Horz	Margin [dB]	-16.78	-	-	-	-	-	-
Horizontal 3000 - 6000MHz -----											
3	3488.326	35.93 pk	-26.9	31.2	40.23	54	-	-	-	-	-
	Azimuth:359	Height:100	Horz	Margin [dB]	-13.77	-	-	-	-	-	-
5	5609.74	33.45 pk	-23	34.3	44.75	54	-	-	-	-	-
	Azimuth:221	Height:100	Horz	Margin [dB]	-9.25	-	-	-	-	-	-
Horizontal 6000 - 10000MHz -----											
6	9725.863	30.77 pk	-18.9	37.9	49.77	54	-	-	-	-	-
	Azimuth:28	Height:200	Horz	Margin [dB]	-4.23	-	-	-	-	-	-
Vertical 3000 - 6000MHz -----											
4	5457.638	33.69 pk	-23.2	34	44.49	54	-	-	-	-	-
	Azimuth:331	Height:100	Vert	Margin [dB]	-9.51	-	-	-	-	-	-
Vertical 6000 - 10000MHz -----											
7	9843.922	29.25 pk	-18.5	38	48.75	54	-	-	-	-	-
	Azimuth:166	Height:100	Vert	Margin [dB]	-5.25	-	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 104 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

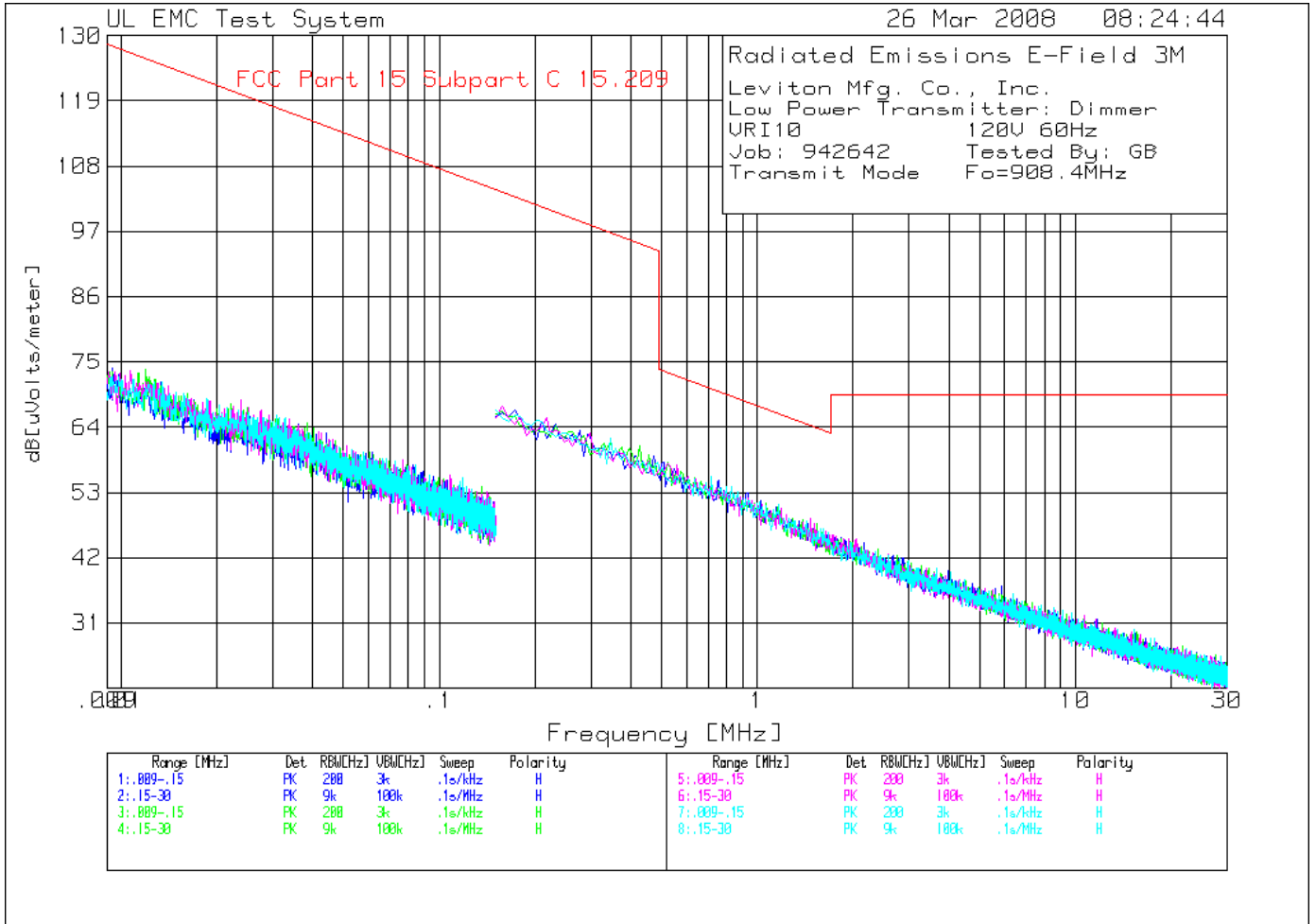
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI06 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
=====									
Horizontal 1000 - 3000MHz									
1816.77	40.32 ave	-30.5	26.8	36.62	54	-	-	-	-
Azimuth: 102	Height:101	Horz	Margin [dB]:		-17.38	-	-	-	-
1816.7149	46.78 pk	-30.5	26.8	43.08	54	-	-	-	-
Azimuth: 102	Height:101	Horz	Margin [dB]:		-10.92	-	-	-	-
1816.933	41.18 pk	-30.5	26.8	37.48	54	-	-	-	-
Azimuth: 102	Height:101	Horz	Margin [dB]:		-16.52	-	-	-	-
Horizontal 6000 - 10000MHz									
9724.824	25.3 ave	-18.9	37.9	44.3	54	-	-	-	-
Azimuth: 90	Height:118	Horz	Margin [dB]:		-9.7	-	-	-	-
Vertical 6000 - 10000MHz									
9844.5633	25.08 ave	-18.5	38	44.58	54	-	-	-	-
Azimuth: 222	Height:115	Vert	Margin [dB]:		-9.42	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 27 Radiated Emissions Graph VRI10



Project Number: 942642 File Number: MC15211 Page 106 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 23 Radiated Emissions Data Points

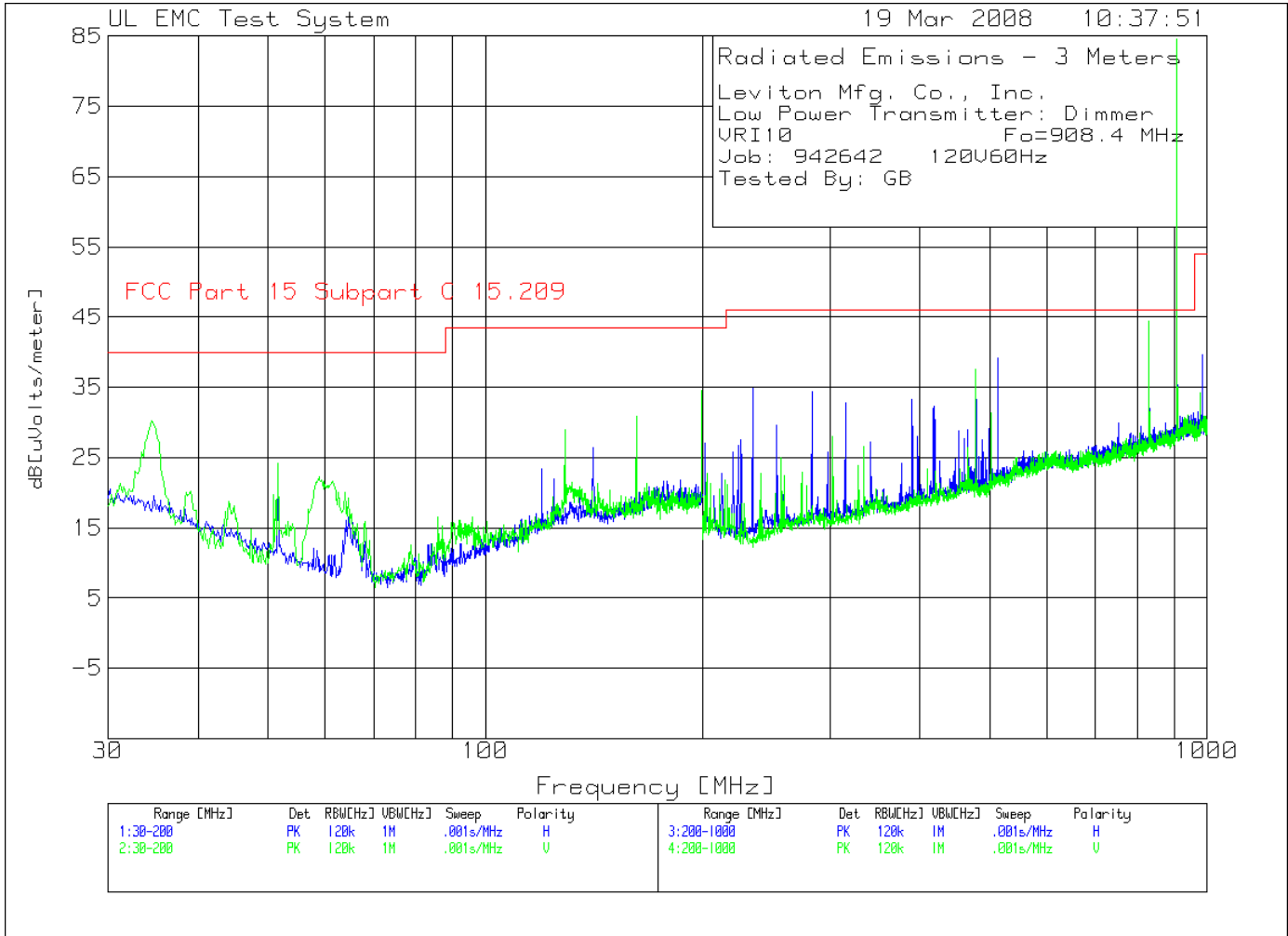
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4MHz

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
45° .009 - .15MHz -----											
1	.01193	45.34 pk	.2	28.1	73.64	126.1	-	-	-	-	-
	Azimuth:354	Height:100	Horz	Margin [dB]		-52.46	-	-	-	-	-
45° .15 - 30MHz -----											
5	.28436	47 pk	0	15.6	62.6	98.5	-	-	-	-	-
	Azimuth:176	Height:100	Horz	Margin [dB]		-35.9	-	-	-	-	-
6	.74715	38.12 pk	0	15.5	53.62	70.1	-	-	-	-	-
	Azimuth:6	Height:120	Horz	Margin [dB]		-16.48	-	-	-	-	-
90° .009 - .15MHz -----											
2	.02378	45.88 pk	0	22.7	68.58	120.1	-	-	-	-	-
	Azimuth:76	Height:100	Horz	Margin [dB]		-51.52	-	-	-	-	-
3	.02751	44.93 pk	0	22	66.93	118.8	-	-	-	-	-
	Azimuth:76	Height:100	Horz	Margin [dB]		-51.87	-	-	-	-	-
90° .15 - 30MHz -----											
4	.15746	51.91 pk	0	15.7	67.61	103.7	-	-	-	-	-
	Azimuth:336	Height:100	Horz	Margin [dB]		-36.09	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 28 Radiated Emissions Graph VRI10



Project Number: 942642 File Number: MC15211 Page 108 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 24 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI10 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 200 - 1000MHz -----											
1	234.8174	21.86 pk	1	12	34.86	46	-	-	-	-	-
	Azimuth:61	Height:300	Horz	Margin [dB]		-11.14	-	-	-	-	-
2	283.6418	19.61 pk	1.1	13.7	34.41	46	-	-	-	-	-
	Azimuth:273	Height:300	Horz	Margin [dB]		-11.59	-	-	-	-	-
3	512.9565	19.33 pk	1.4	18.4	39.13	46	-	-	-	-	-
	Azimuth:60	Height:400	Horz	Margin [dB]		-6.87	-	-	-	-	-
6	908.5543	57.91 pk	2	23.2	83.11	46	94	-	-	-	-
	Azimuth:61	Height:200	Horz	Margin [dB]		37.11	-10.89	-	-	-	-
Vertical 200 - 1000MHz -----											
4	829.915	20.1 pk	1.8	22.5	44.4	46	-	-	-	-	-
	Azimuth:232	Height:200	Vert	Margin [dB]		-1.6	-	-	-	-	-
5	908.3542	59.9 pk	2	22.7	84.6	46	94	-	-	-	-
	Azimuth:105	Height:100	Vert	Margin [dB]		38.6	-9.4	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector

qp - Quasi-Peak detector

av - Average detector

avlg - denotes average log detection

Project Number: 942642 File Number: MC15211 Page 109 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

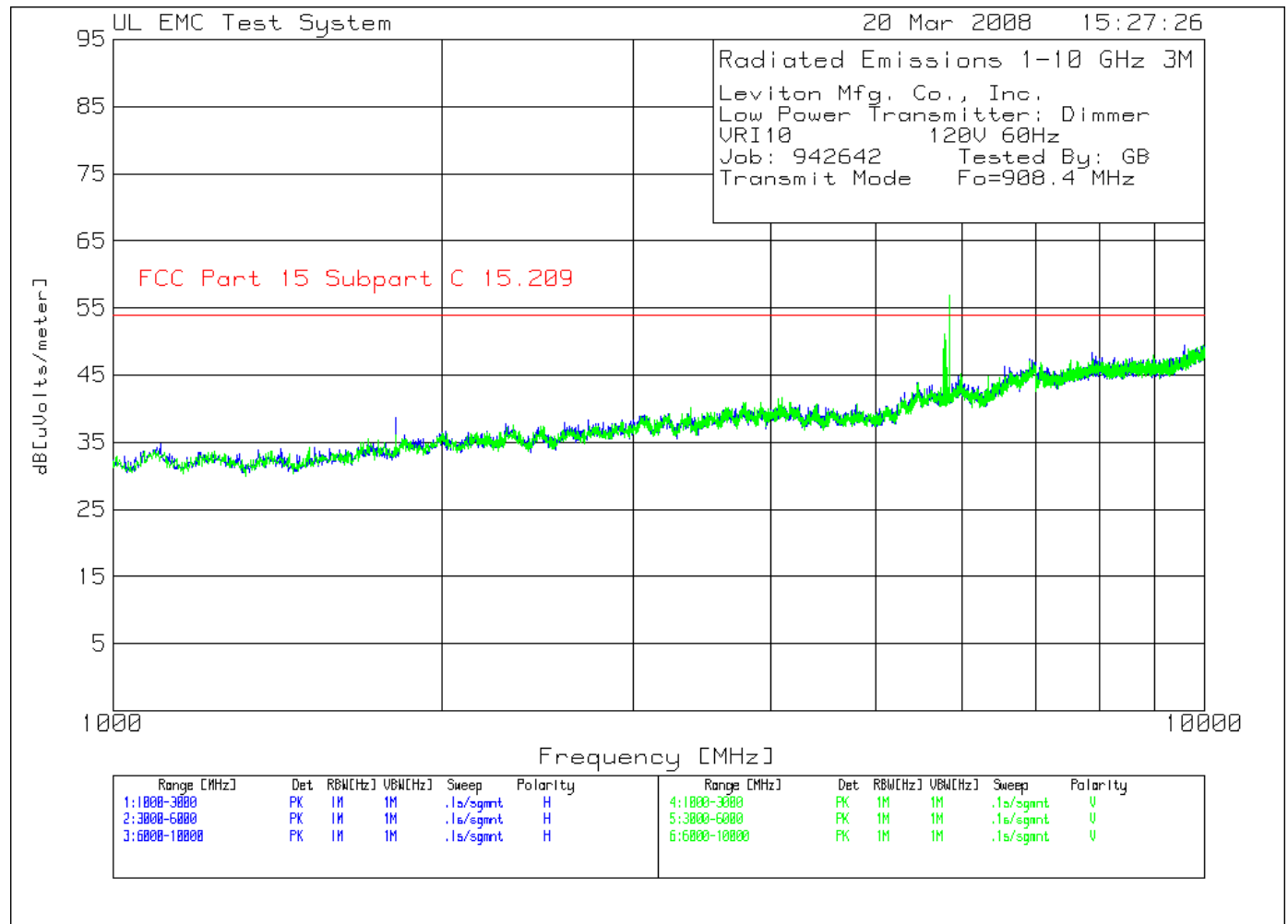
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI10 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====										
Horizontal 200 - 1000MHz										
908.3828	57.32 pk	2	23.2	82.52	46	94	-	-	-	-
Azimuth: 95	Height:211	Horz	Margin	[dB]:	36.52	-11.48	-	-	-	-
908.3828	57.33 qp	2	23.2	82.53	46	94	-	-	-	-
Azimuth: 95	Height:211	Horz	Margin	[dB]:	36.53	-11.47	-	-	-	-
Vertical 200 - 1000MHz										
818.6273	8.35 qp	1.8	22.1	32.25	46	-	-	-	-	-
Azimuth: 288	Height:191	Vert	Margin	[dB]:	-13.75	-	-	-	-	-
908.3812	60.45 pk	2	22.7	85.15	46	94	-	-	-	-
Azimuth: 187	Height:126	Vert	Margin	[dB]:	39.15	-8.85	-	-	-	-
908.3812	60.66 qp	2	22.7	85.36	46	94	-	-	-	-
Azimuth: 187	Height:126	Vert	Margin	[dB]:	39.36	-8.64	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 29 Radiated Emissions Graph VRI10



Project Number: 942642 File Number: MC15211 Page 111 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 25 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
Horizontal 1000 - 3000MHz -----											
1	1816.817	42.38 pk	-30.5	26.8	38.68	54	-	-	-	-	-
	Azimuth:55	Height:200	Horz	Margin [dB]		-15.32	-	-	-	-	-
Horizontal 3000 - 6000MHz -----											
3	3716.478	34.45 pk	-26.1	31.7	40.05	54	-	-	-	-	-
	Azimuth:83	Height:200	Horz	Margin [dB]		-13.95	-	-	-	-	-
Horizontal 6000 - 10000MHz -----											
9	9581.791	30.57 pk	-19	37.8	49.37	54	-	-	-	-	-
	Azimuth:248	Height:100	Horz	Margin [dB]		-4.63	-	-	-	-	-
Vertical 1000 - 3000MHz -----											
2	1816.817	39.69 pk	-30.5	26.8	35.99	54	-	-	-	-	-
	Azimuth:166	Height:100	Vert	Margin [dB]		-18.01	-	-	-	-	-
Vertical 3000 - 6000MHz -----											
4	4096.731	34.73 pk	-25.6	32.5	41.63	54	-	-	-	-	-
	Azimuth:249	Height:200	Vert	Margin [dB]		-12.37	-	-	-	-	-
5	5761.841	38.06 pk	-23.4	34.3	48.96	54	-	-	-	-	-
	Azimuth:331	Height:101	Vert	Margin [dB]		-5.04	-	-	-	-	-
6	5779.853	40.35 pk	-23.5	34.3	51.15	54	-	-	-	-	-
	Azimuth:7	Height:200	Vert	Margin [dB]		-2.85	-	-	-	-	-
7	5799.867	39.28 pk	-23.3	34.3	50.28	54	-	-	-	-	-
	Azimuth:110	Height:200	Vert	Margin [dB]		-3.72	-	-	-	-	-
8	5837.892	45.86 pk	-23.3	34.4	56.96	54	-	-	-	-	-
	Azimuth:7	Height:101	Vert	Margin [dB]		2.96	-	-	-	-	-
Vertical 6000 - 10000MHz -----											
10	9831.916	29.86 pk	-18.7	38	49.16	54	-	-	-	-	-
	Azimuth:304	Height:100	Vert	Margin [dB]		-4.84	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 112 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

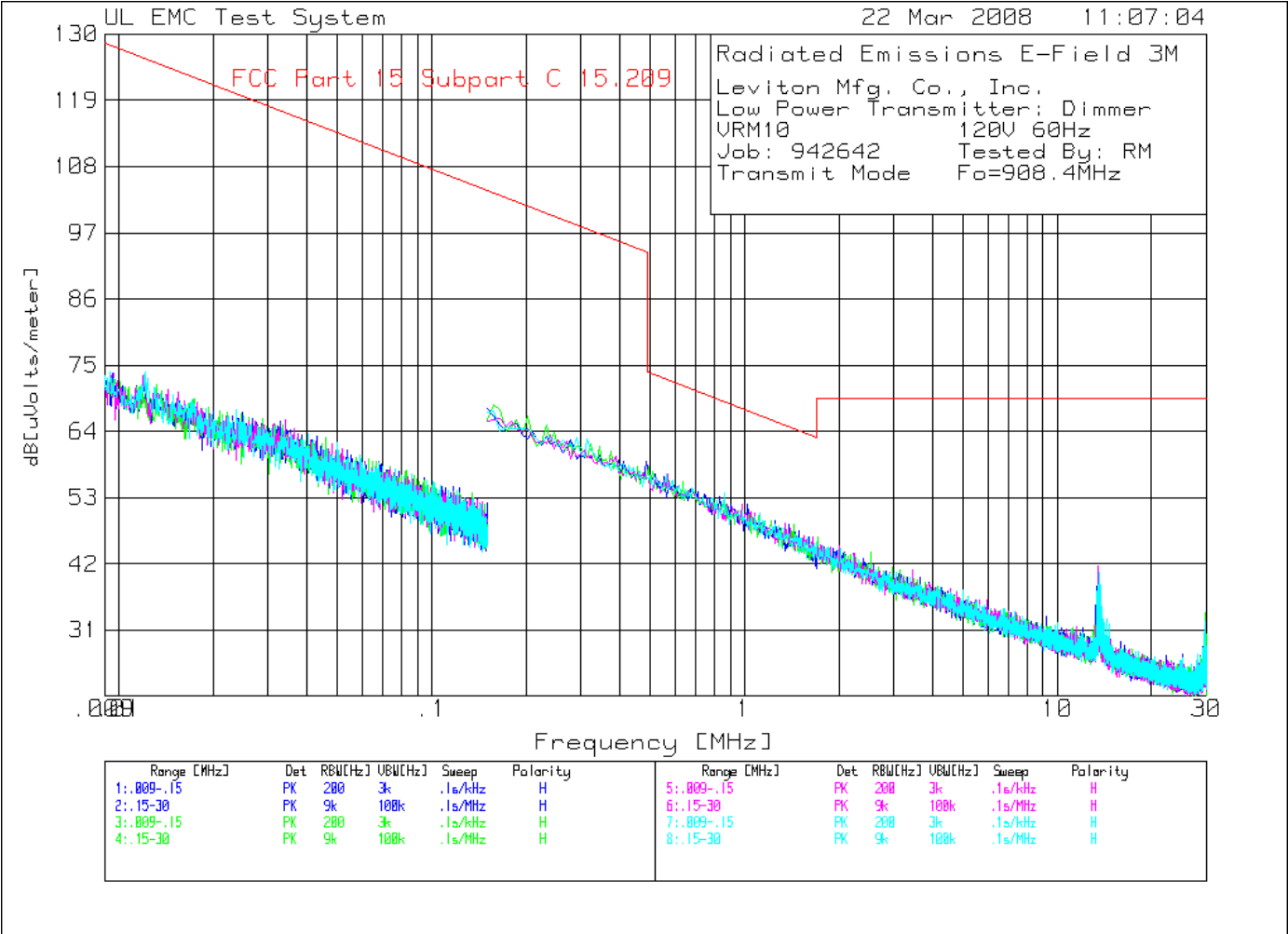
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI10 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
Horizontal 1000 - 3000MHz									
1816.8	47.19 pk	-30.5	26.8	43.49	54	-	-	-	-
Azimuth: 214	Height:107	Horz	Margin [dB]:	-10.51	-	-	-	-	-
1816.8	41.63 ave	-30.5	26.8	37.93	54	-	-	-	-
Azimuth: 214	Height:107	Horz	Margin [dB]:	-16.07	-	-	-	-	-
Horizontal 6000 - 10000MHz									
9580.3022	25.3 ave	-19	37.8	44.1	54	-	-	-	-
Azimuth: 312	Height:141	Horz	Margin [dB]:	-9.9	-	-	-	-	-
Vertical 1000 - 3000MHz									
1816.8351	43.89 pk	-30.5	26.8	40.19	54	-	-	-	-
Azimuth: 33	Height:107	Vert	Margin [dB]:	-13.81	-	-	-	-	-
1816.8351	36.63 ave	-30.5	26.8	32.93	54	-	-	-	-
Azimuth: 33	Height:107	Vert	Margin [dB]:	-21.07	-	-	-	-	-
Vertical 3000 - 6000MHz									
5761.7499	28.21 ave	-23.4	34.3	39.11	54	-	-	-	-
Azimuth: 65	Height:172	Vert	Margin [dB]:	-14.89	-	-	-	-	-
5779.8	28.17 ave	-23.5	34.3	38.97	54	-	-	-	-
Azimuth: 62	Height:199	Vert	Margin [dB]:	-15.03	-	-	-	-	-
5799.8	28.33 ave	-23.3	34.3	39.33	54	-	-	-	-
Azimuth: 49	Height:160	Vert	Margin [dB]:	-14.67	-	-	-	-	-
5837.8	28.91 ave	-23.3	34.4	40.01	54	-	-	-	-
Azimuth: 62	Height:108	Vert	Margin [dB]:	-13.99	-	-	-	-	-
Vertical 6000 - 10000MHz									
9831.9	25.12 ave	-18.7	38	44.42	54	-	-	-	-
Azimuth: 32	Height:100	Vert	Margin [dB]:	-9.58	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 30 Radiated Emissions Graph VRM10



Project Number: 942642 File Number: MC15211 Page 114 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 26 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
0° .009 - .15MHz										
1	.01205	43.99 pk	.2	28	72.19	126	-	-	-	-
	Azimuth:151	Height:100	Horz	Margin [dB]		-53.81	-	-	-	-
2	.03287	44.74 pk	0	21	65.74	117.3	-	-	-	-
	Azimuth:6	Height:100	Horz	Margin [dB]		-51.56	-	-	-	-
0° .15 - 30MHz										
3	.4859	43.61 pk	0	15.5	59.11	93.9	-	-	-	-
	Azimuth:184	Height:100	Horz	Margin [dB]		-34.79	-	-	-	-
4	13.40671	22.49 pk	.2	15.7	38.39	69.5	-	-	-	-
	Azimuth:158	Height:100	Horz	Margin [dB]		-31.11	-	-	-	-
5	29.6641	15.32 pk	.3	15.3	30.92	69.5	-	-	-	-
	Azimuth:5	Height:100	Horz	Margin [dB]		-38.58	-	-	-	-
45° .009 - .15MHz										
6	.0459	44.43 pk	0	18.6	63.03	114.4	-	-	-	-
	Azimuth:300	Height:120	Horz	Margin [dB]		-51.37	-	-	-	-
45° .15 - 30MHz										
7	.20225	50.98 pk	0	15.6	66.58	101.5	-	-	-	-
	Azimuth:358	Height:120	Horz	Margin [dB]		-34.92	-	-	-	-
8	2.53113	28.28 pk	.1	15.6	43.98	69.5	-	-	-	-
	Azimuth:175	Height:120	Horz	Margin [dB]		-25.52	-	-	-	-
9	13.43657	20.8 pk	.2	15.7	36.7	69.5	-	-	-	-
	Azimuth:170	Height:120	Horz	Margin [dB]		-32.8	-	-	-	-
10	29.57453	18.21 pk	.3	15.3	33.81	69.5	-	-	-	-
	Azimuth:354	Height:120	Horz	Margin [dB]		-35.69	-	-	-	-
90° .009 - .15MHz										
11	.01442	44.31 pk	0	26.6	70.91	124.4	-	-	-	-
	Azimuth:226	Height:139	Horz	Margin [dB]		-53.49	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 115 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
90°	.15 - 30MHz	-----									
12	.97855	36.33 pk	0	15.5	51.83	67.8	-	-	-	-	-
	Azimuth:245	Height:139	Horz	Margin [dB]		-15.97	-	-	-	-	-
13	3.42686	25.23 pk	.1	15.6	40.93	69.5	-	-	-	-	-
	Azimuth:305	Height:139	Horz	Margin [dB]		-28.57	-	-	-	-	-
14	13.50375	25.69 pk	.2	15.7	41.59	69.5	-	-	-	-	-
	Azimuth:158	Height:139	Horz	Margin [dB]		-27.91	-	-	-	-	-
15	29.791	14.78 pk	.3	15.3	30.38	69.5	-	-	-	-	-
	Azimuth:1	Height:139	Horz	Margin [dB]		-39.12	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 116 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4MHz

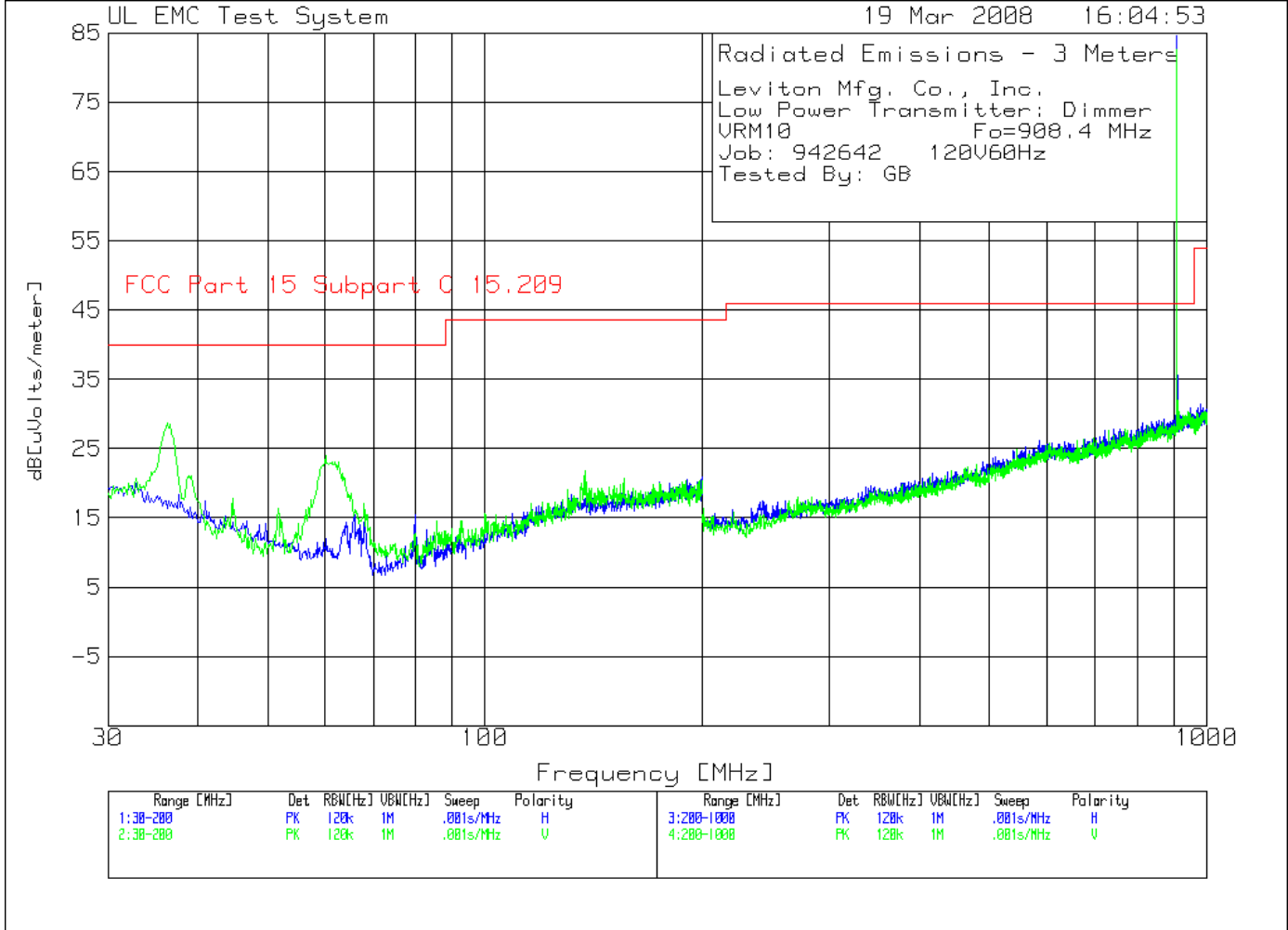
No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
135°	.009 - .15MHz	-----									
16	.01216	45.88 pk	.1	27.9	73.88	125.9	-	-	-	-	-
	Azimuth:208	Height:160	Horz	Margin [dB]		-52.02	-	-	-	-	-
135°	.15 - 30MHz	-----									
17	.29182	47.31 pk	0	15.6	62.91	98.3	-	-	-	-	-
	Azimuth:267	Height:160	Horz	Margin [dB]		-35.39	-	-	-	-	-
18	.85912	38.25 pk	0	15.5	53.75	68.9	-	-	-	-	-
	Azimuth:54	Height:160	Horz	Margin [dB]		-15.15	-	-	-	-	-
19	13.59332	24.74 pk	.2	15.7	40.64	69.5	-	-	-	-	-
	Azimuth:74	Height:160	Horz	Margin [dB]		-28.86	-	-	-	-	-
20	29.57453	16.75 pk	.3	15.3	32.35	69.5	-	-	-	-	-
	Azimuth:206	Height:160	Horz	Margin [dB]		-37.15	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

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Figure 31 Radiated Emissions Graph VRM10



Project Number: 942642 File Number: MC15211 Page 118 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 27 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 30 - 200MHz -----											
1	65.9059	9.06 pk	.6	5.7	15.36	40	-	-	-	-	-
	Azimuth:285	Height:250	Horz	Margin [dB]		-24.64	-	-	-	-	-
Vertical 30 - 200MHz -----											
2	36.2963	13.63 pk	.4	14.7	28.73	40	-	-	-	-	-
	Azimuth:350	Height:100	Vert	Margin [dB]		-11.27	-	-	-	-	-
3	60.1201	16.77 pk	.5	6.7	23.97	40	-	-	-	-	-
	Azimuth:174	Height:100	Vert	Margin [dB]		-16.03	-	-	-	-	-
4	137.3774	6.59 pk	.7	14.5	21.79	43.5	-	-	-	-	-
	Azimuth:136	Height:100	Vert	Margin [dB]		-21.71	-	-	-	-	-
Horizontal 200 - 1000MHz -----											
5	908.3542	59.51 pk	2	23.2	84.71	46	94	-	-	-	-
	Azimuth:274	Height:300	Horz	Margin [dB]		38.71	-9.29	-	-	-	-
Vertical 200 - 1000MHz -----											
6	908.3542	57.89 pk	2	22.7	82.59	46	94	-	-	-	-
	Azimuth:274	Height:100	Vert	Margin [dB]		36.59	-11.41	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 119 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

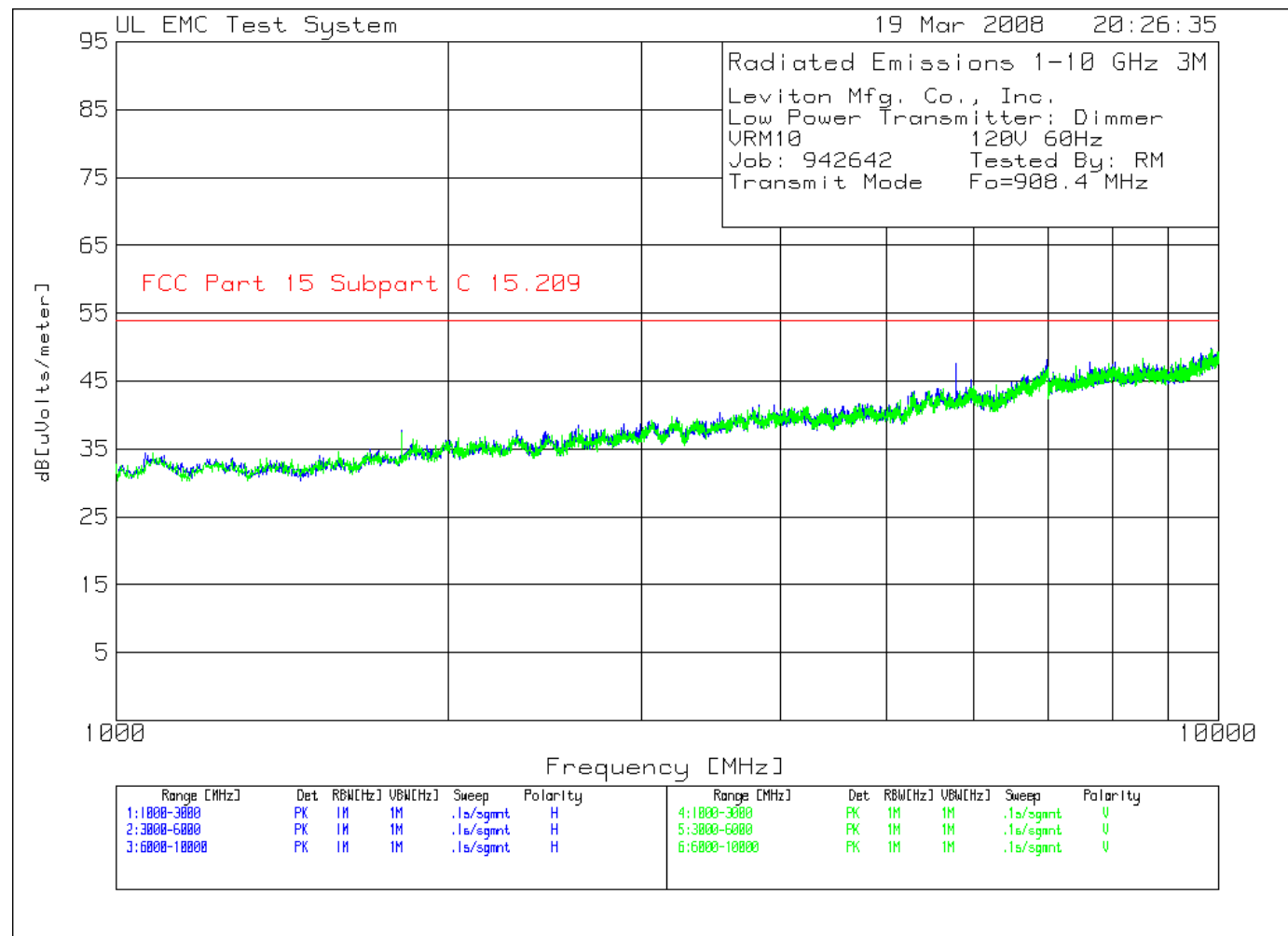
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====										
Horizontal 200 - 1000MHz										
908.3793	56.82 pk	2	23.2	82.02	46	94	-	-	-	-
Azimuth: 263 Height:165 Horz					Margin [dB]:	36.02	-11.98	-	-	-
908.3793	56.9 qp	2	23.2	82.1	46	94	-	-	-	-
Azimuth: 263 Height:165 Horz					Margin [dB]:	36.1	-11.9	-	-	-
Vertical 200 - 1000MHz										
908.3803	60.06 pk	2	22.7	84.76	46	94	-	-	-	-
Azimuth: 212 Height:118 Vert					Margin [dB]:	38.76	-9.24	-	-	-
908.3803	59.97 qp	2	22.7	84.67	46	94	-	-	-	-
Azimuth: 212 Height:118 Vert					Margin [dB]:	38.67	-9.33	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 32 Radiated Emissions Graph VRM10



Project Number: 942642 File Number: MC15211 Page 121 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 28 Radiated Emissions Data Points

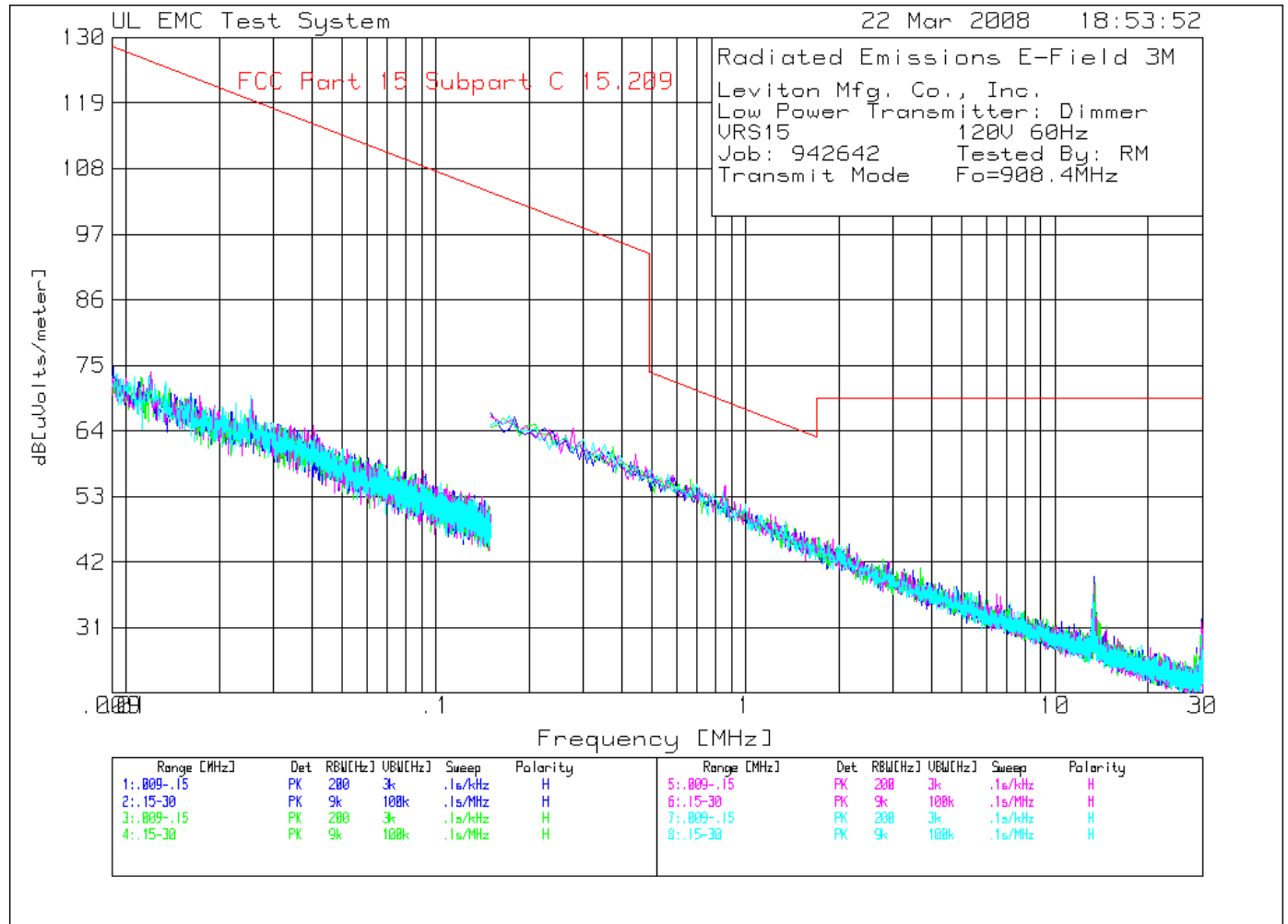
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====										
Horizontal 1000-6000MHz										
1816.7866	43.03 ave	-30.5	26.8	39.33	54	-	-	-	-	-
Azimuth: 92	Height:101	Horz	Margin	[dB]:	-14.67	-	-	-	-	-
1816.8025	39.55 ave	-30.5	26.8	35.85	54	-	-	-	-	-
Azimuth: 210	Height:133	Horz	Margin	[dB]:	-18.15	-	-	-	-	-
5779.853	27.99 ave	-23.5	34.4	38.89	54	-	-	-	-	-
Azimuth: 330	Height:161	Horz	Margin	[dB]:	-15.11	-	-	-	-	-
Horizontal 6000 - 10000MHz										
6982.491	34.43 ave	-20.9	35.6	49.13	54	-	-	-	-	-
Azimuth: 3	Height:132	Horz	Margin	[dB]:	-4.87	-	-	-	-	-
9629.815	24.96 ave	-19.1	37.8	43.66	54	-	-	-	-	-
Azimuth: 286	Height:120	Horz	Margin	[dB]:	-10.34	-	-	-	-	-
9847.924	25.03 ave	-18.5	38	44.53	54	-	-	-	-	-
Azimuth: 304	Height:152	Horz	Margin	[dB]:	-9.47	-	-	-	-	-
Vertical 1000 - 3000MHz										
1816.8025	39.88 ave	-30.5	26.8	36.18	54	-	-	-	-	-
Azimuth: 164	Height:167	Vert	Margin	[dB]:	-17.82	-	-	-	-	-
Vertical 6000 - 10000MHz										
8525.263	25.55 ave	-20.4	37.4	42.55	54	-	-	-	-	-
Azimuth: 96	Height:131	Vert	Margin	[dB]:	-11.45	-	-	-	-	-
9247.624	24.66 ave	-20.1	37.6	42.16	54	-	-	-	-	-
Azimuth: 180	Height:127	Vert	Margin	[dB]:	-11.84	-	-	-	-	-
9825.913	25.05 ave	-18.7	38	44.35	54	-	-	-	-	-
Azimuth: 77	Height:125	Vert	Margin	[dB]:	-9.65	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 33 Radiated Emissions Graph VRS15



Project Number: 942642 File Number: MC15211 Page 123 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 29 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRS15 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4MHz

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6

0°	.009 - .15MHz	-----								
1	.01622	44.73 pk	.1	25.6	70.43	123.4	-	-	-	-
	Azimuth:354	Height:100	Horz	Margin [dB]		-52.97	-	-	-	-
0°	.15 - 30MHz	-----								
2	.47843	42.22 pk	0	15.5	57.72	94	-	-	-	-
	Azimuth:276	Height:100	Horz	Margin [dB]		-36.28	-	-	-	-
3	13.40671	23.61 pk	.2	15.7	39.51	69.5	-	-	-	-
	Azimuth:126	Height:100	Horz	Margin [dB]		-29.99	-	-	-	-
4	29.791	16.85 pk	.3	15.3	32.45	69.5	-	-	-	-
	Azimuth:32	Height:100	Horz	Margin [dB]		-37.05	-	-	-	-
45°	.009 - .15MHz	-----								
5	.0112	44.73 pk	-.2	28.5	73.03	126.6	-	-	-	-
	Azimuth:358	Height:120	Horz	Margin [dB]		-53.57	-	-	-	-
45°	.15 - 30MHz	-----								
6	.66504	40.38 pk	0	15.5	55.88	71.1	-	-	-	-
	Azimuth:55	Height:120	Horz	Margin [dB]		-15.22	-	-	-	-
7	13.50375	22.6 pk	.2	15.7	38.5	69.5	-	-	-	-
	Azimuth:233	Height:120	Horz	Margin [dB]		-31	-	-	-	-
8	29.51482	14.16 pk	.3	15.3	29.76	69.5	-	-	-	-
	Azimuth:268	Height:120	Horz	Margin [dB]		-39.74	-	-	-	-
90°	.009 - .15MHz	-----								
9	.0121	45.85 pk	.1	28	73.95	125.9	-	-	-	-
	Azimuth:226	Height:140	Horz	Margin [dB]		-51.95	-	-	-	-
90°	.15 - 30MHz	-----								
10	.85912	39.4 pk	0	15.5	54.9	68.9	-	-	-	-
	Azimuth:2	Height:140	Horz	Margin [dB]		-14	-	-	-	-
11	13.347	22.41 pk	.2	15.7	38.31	69.5	-	-	-	-
	Azimuth:1	Height:140	Horz	Margin [dB]		-31.19	-	-	-	-
12	29.82832	15.21 pk	.3	15.3	30.81	69.5	-	-	-	-
	Azimuth:62	Height:140	Horz	Margin [dB]		-38.69	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 124 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

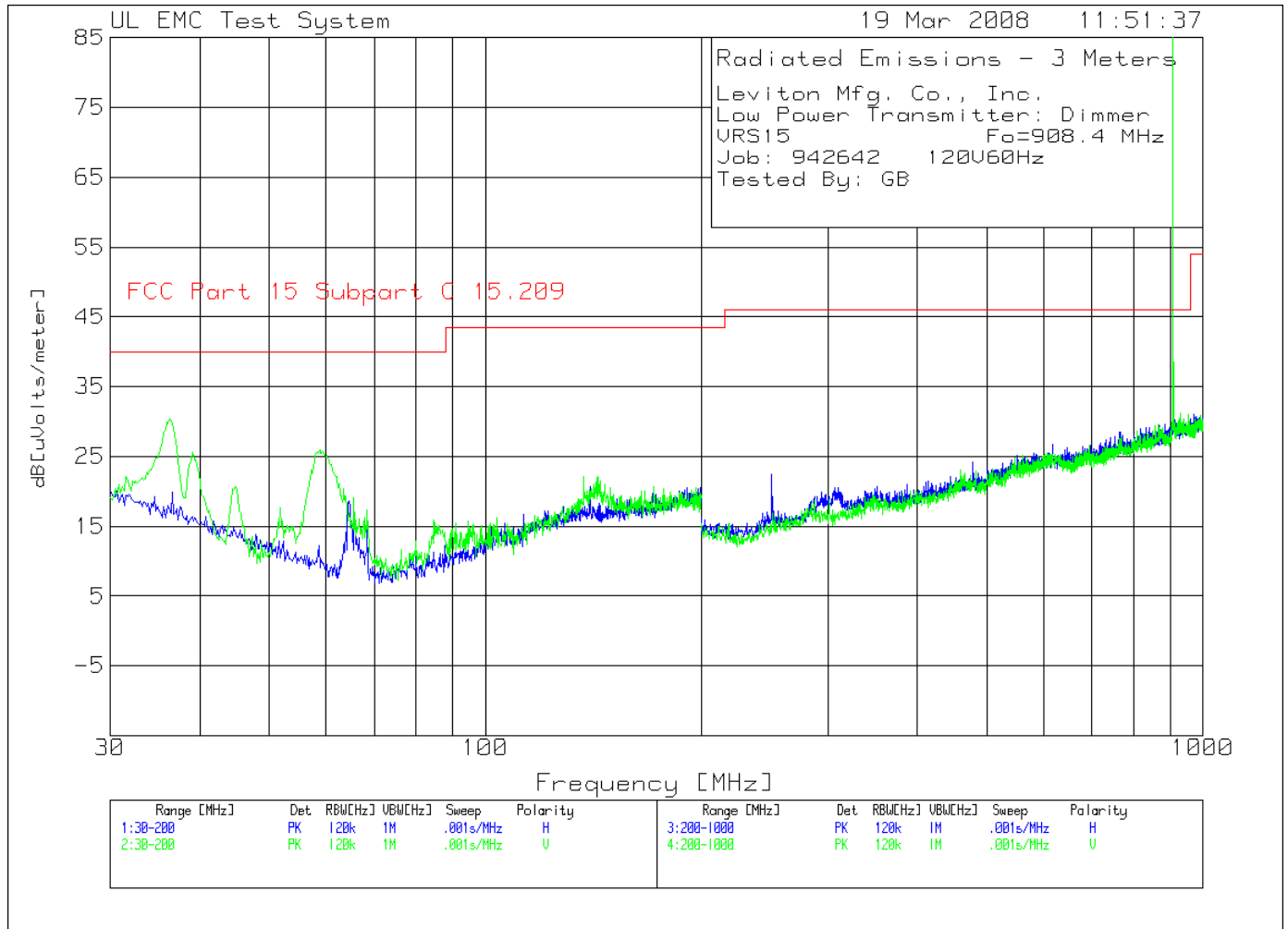
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRS15 120V 60Hz
 Job: 942642 Tested By: RM
 Transmit Mode Fo=908.4MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
135°	.009 - .15MHz	-----									
13	.02531	47.48 pk	0	22.4	69.88	119.5	-	-	-	-	-
	Azimuth:358	Height:159	Horz	Margin [dB]		-49.62	-	-	-	-	-
135°	.15 - 30MHz	-----									
14	.56054	41.16 pk	0	15.5	56.66	72.6	-	-	-	-	-
	Azimuth:55	Height:159	Horz	Margin [dB]		-15.94	-	-	-	-	-
15	13.22757	20.63 pk	.2	15.7	36.53	69.5	-	-	-	-	-
	Azimuth:265	Height:159	Horz	Margin [dB]		-32.97	-	-	-	-	-
16	29.57453	14.37 pk	.3	15.3	29.97	69.5	-	-	-	-	-
	Azimuth:359	Height:159	Horz	Margin [dB]		-39.53	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 34 Radiated Emissions Graph VRS15



Project Number: 942642 File Number: MC15211 Page 126 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 30 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRS15 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
Vertical 30 - 200MHz -----											
1	36.2963	15.27 pk	.4	14.7	30.37	40	-	-	-	-	-
	Azimuth:173	Height:100	Vert	Margin [dB]		-9.63	-	-	-	-	-
2	58.7588	18.38 pk	.5	7.1	25.98	40	-	-	-	-	-
	Azimuth:99	Height:100	Vert	Margin [dB]		-14.02	-	-	-	-	-
3	137.037	6.89 pk	.7	14.5	22.09	43.5	-	-	-	-	-
	Azimuth:358	Height:100	Vert	Margin [dB]		-21.41	-	-	-	-	-
Horizontal 200 - 1000MHz -----											
4	250.8254	8.65 pk	1	12.7	22.35	46	-	-	-	-	-
	Azimuth:146	Height:100	Horz	Margin [dB]		-23.65	-	-	-	-	-
5	908.3542	58.33 pk	2	23.2	83.53	46	94	-	-	-	-
	Azimuth:231	Height:200	Horz	Margin [dB]		37.53	-10.47	-	-	-	-
Vertical 200 - 1000MHz -----											
6	908.3542	63.42 pk	2	22.7	88.12	46	94	-	-	-	-
	Azimuth:274	Height:100	Vert	Margin [dB]		42.12	-5.88	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 127 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

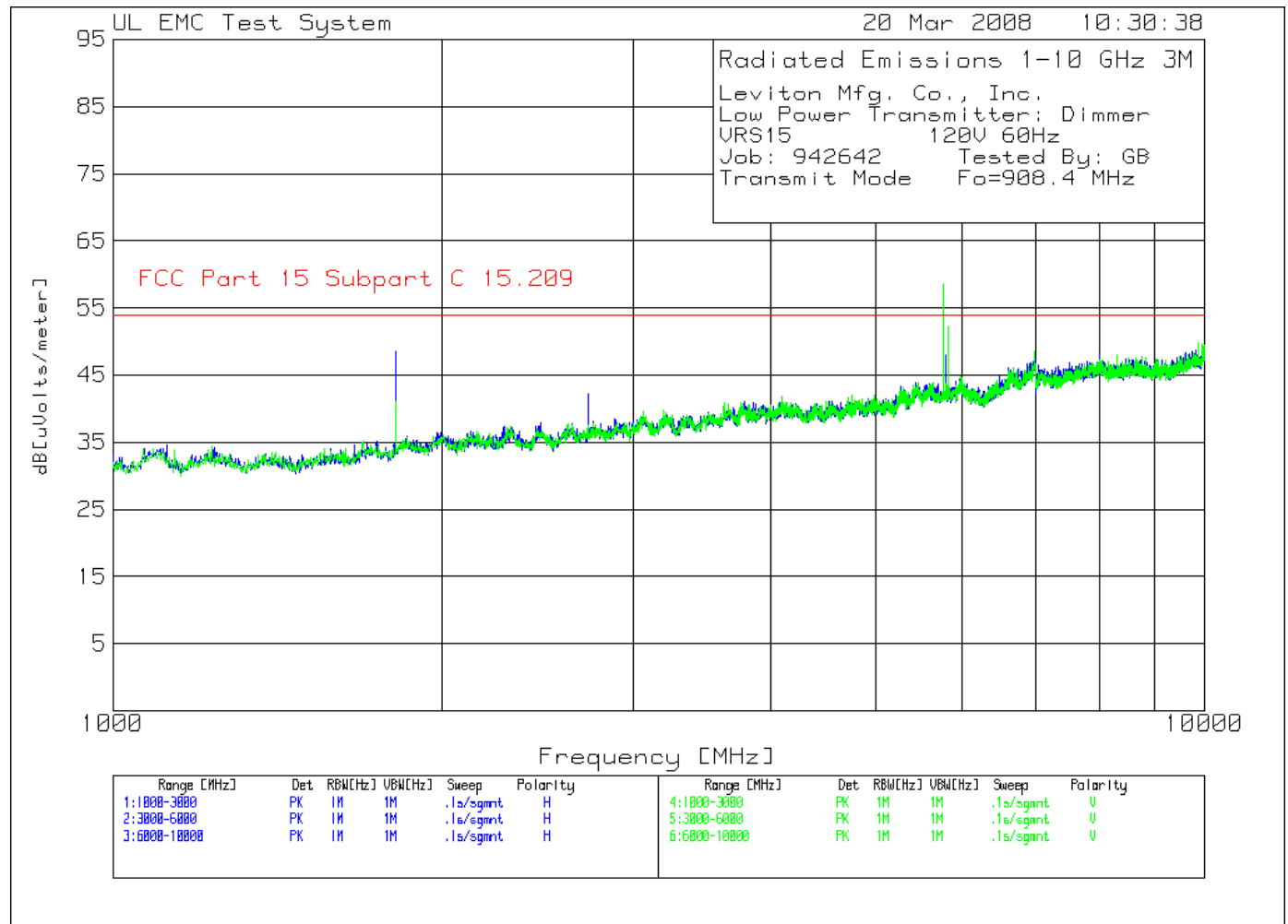
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRS15 Fo=908.4 MHz
 Job: 942642 120V60Hz
 Tested By: GB

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====										
Horizontal 200 - 1000MHz										
908.3798	57.27 pk	2	23.2	82.47	46	94	-	-	-	-
Azimuth: 110	Height:167	Horz	Margin [dB]:		36.47	-11.53	-	-	-	-
908.3798	57.47 qp	2	23.2	82.67	46	94	-	-	-	-
Azimuth: 110	Height:167	Horz	Margin [dB]:		36.67	-11.33	-	-	-	-
Vertical 200 - 1000MHz										
908.3811	64.32 pk	2	22.7	89.02	46	94	-	-	-	-
Azimuth: 185	Height:116	Vert	Margin [dB]:		43.02	-4.98	-	-	-	-
908.3811	64.67 qp	2	22.7	89.37	46	94	-	-	-	-
Azimuth: 185	Height:116	Vert	Margin [dB]:		43.37	-4.63	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.249

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 35 Radiated Emissions Graph VRS15



Project Number: 942642 File Number: MC15211 Page 129 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 31 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRS15 120V 60Hz
 Job: 942642 Tested By: GB
 Transmit Mode Fo=908.4 MHz

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 1000 - 3000MHz										
1816.8651	40.86 ave	-30.5	26.8	37.16	54	-	-	-	-	-
Azimuth: 128	Height:188	Horz	Margin	[dB]:	-16.84	-	-	-	-	-
2725.9728	27.36 ave	-28.5	29.5	28.36	54	-	-	-	-	-
Azimuth: 115	Height:175	Horz	Margin	[dB]:	-25.64	-	-	-	-	-
Horizontal 3000 - 6000MHz										
5787.3808	28.27 ave	-23.4	34.4	39.27	54	-	-	-	-	-
Azimuth: 191	Height:149	Horz	Margin	[dB]:	-14.73	-	-	-	-	-
Vertical 1000 - 3000MHz										
1816.795	54.3 ave	-30.5	26.8	50.6	54	-	-	-	-	-
Azimuth: 188	Height:120	Vert	Margin	[dB]:	-3.4	-	-	-	-	-
Vertical 3000 - 6000MHz										
5759.8	28.21 ave	-23.4	34.3	39.11	54	-	-	-	-	-
Azimuth: 189	Height:182	Vert	Margin	[dB]:	-14.89	-	-	-	-	-
5822.9974	28.62 ave	-23.3	34.4	39.72	54	-	-	-	-	-
Azimuth: 111	Height:149	Vert	Margin	[dB]:	-14.28	-	-	-	-	-
Vertical 6000 - 10000MHz										
6986.4699	34.65 ave	-20.9	35.4	49.15	54	-	-	-	-	-
Azimuth: 40	Height:118	Vert	Margin	[dB]:	-4.85	-	-	-	-	-
8313	25.58 ave	-20.6	37.3	42.28	54	-	-	-	-	-
Azimuth: 74	Height:136	Vert	Margin	[dB]:	-11.72	-	-	-	-	-
9938	25.04 ave	-18.3	38.1	44.84	54	-	-	-	-	-
Azimuth: 120	Height:104	Vert	Margin	[dB]:	-9.16	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number:	942642	File Number:	MC15211	Page	130 of 163
Model Number:	VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1				
Client Name:	Leviton Mfg. Co. Inc.				
FCC ID:	QGH-VRSDC				
IC Number:	2473A-VRSDC				

4.4 Test Conditions and Results – RADIATED EMISSIONS

Test Description	Measurements were made in a 3 & 10-meter semi-anechoic chamber that complies to CISPR 16/ANSI C63.4. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3 & 10-meter. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in both horizontal and vertical polarities. Final measurements (quasi-peak or average as noted) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.	
Basic Standard	CISPR 22, ICES-003, Issue 4	
UL LPG	80-EM-S0029	
	Frequency range	Measurement Point
Fully configured sample scanned over the following frequency range	30MHz – 1GHz	(10 meter measurement distance)
	1GHz – 5GHz	(3 meter measurement distance)
Limits - Class B		
Frequency (MHz)	Limit (dBµV/m)	
	Quasi-Peak	Average
30 to 230	30	NA
230 to 1000	37	NA
Above 1000 (FCC)	NA	54 (at 3-meter)
Supplementary information: None		

Project Number: 942642 File Number: MC15211 Page 131 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

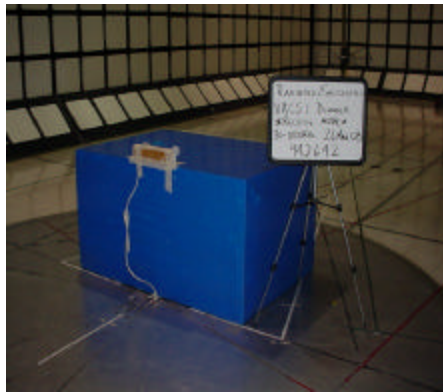
Table 32 Radiated Emissions EUT Configuration Settings

Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1-6	1	3
Supplementary information: None		

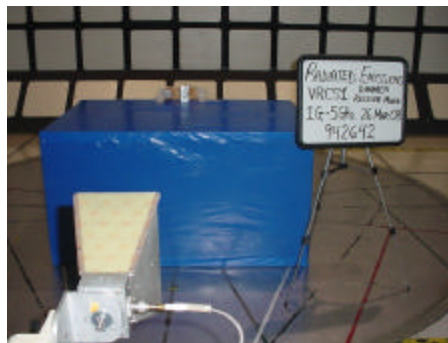
Table 33 Radiated Emissions Test Equipment

30-1000MHz			
EMI Receiver	Rohde & Schwarz	ESIB40	34968
Bicon Antenna	Schaffner	VBA6106A	43441
Log-P Antenna	Schaffner	UPA6109	44068
Bias Tee	Miteq	AM-1523-7687	44392
Bias Tee	Miteq	AM-1523-7687	44393
Preamp	Miteq	AM-3A-000110-7687	44391
Preamp	Miteq	AM-3A-000110-7687	44394
Switch Driver	HP	11713A	ME7A-627
System Controller	Sunol Sciences	SC99V	44396
Camera Controller	Panasonic	WV-CU254	44395
RF Switch Box	UL	1	44398
Measurement Software	UL	Version 9.3	44740
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268
Multimeter	Fluke	87V	44547
Above 1GHz			
EMI Receiver	Rohde & Schwarz	ESIB40	34968
Horn Antenna	EMCO	3115	ME5A-766
Preamp (1 - 26GHz)	HP	8449B	ME5-914
Switch Driver	HP	11713A	ME7A-627
System Controller	Sunol Sciences	SC99V	44396
Camera Controller	Panasonic	WV-CU254	44395
RF Switch Box	UL	1	44398
Measurement Software	UL	Version 9.3	44740
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268

Figure 36 Test setup for Radiated Emissions



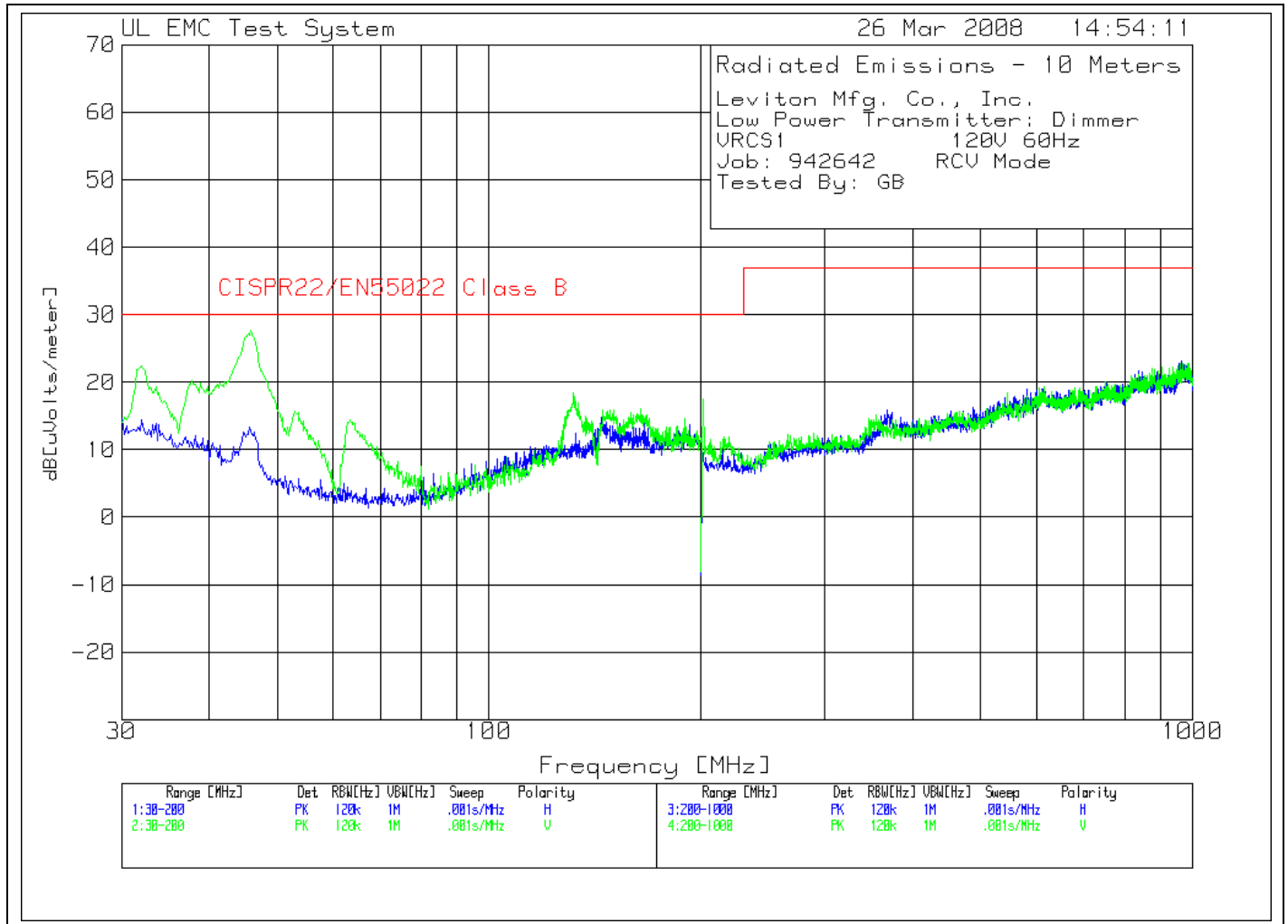
Radiated Emissions test set-up front/rear view 30MHz to 1000MHz



Radiated Emissions test set-up front/rear view 1GHz to 5000GHz

The test set up is a representative of all model numbers evaluated

Figure 37 Radiated Emissions Graph VRCS1



Project Number: 942642 File Number: MC15211 Page 134 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 34 Radiated Emissions Data Points

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 RCV Mode
 Tested By: GB

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Vertical 30 - 200MHz -----											
1	32.042	40.8 pk	-34.7	16.4	22.5	30	-	-	-	-	-
	Azimuth:67	Height:100 Vert		Margin [dB]		-7.5	-	-	-	-	-
2	37.8278	41.07 pk	-34.9	14	20.17	30	-	-	-	-	-
	Azimuth:357	Height:100 Vert		Margin [dB]		-9.83	-	-	-	-	-
3	45.8258	51.21 pk	-35.4	11.8	27.61	30	-	-	-	-	-
	Azimuth:232	Height:100 Vert		Margin [dB]		-2.39	-	-	-	-	-
4	63.5235	43.54 pk	-35.4	6.2	14.34	30	-	-	-	-	-
	Azimuth:348	Height:100 Vert		Margin [dB]		-15.66	-	-	-	-	-
5	131.7618	39.81 pk	-35.6	14.2	18.41	30	-	-	-	-	-
	Azimuth:357	Height:100 Vert		Margin [dB]		-11.59	-	-	-	-	-
Vertical 200 - 1000MHz -----											
6	201.6008	40.48 pk	-34.9	11.9	17.48	30	-	-	-	-	-
	Azimuth:348	Height:101 Vert		Margin [dB]		-12.52	-	-	-	-	-

LIMIT 1: CISPR22/EN55022 Class B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection

Project Number: 942642 File Number: MC15211 Page 135 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRCS1 120V 60Hz
 Job: 942642 RCV Mode
 Tested By: GB

Test	Meter	Gain/Loss	Transducer	Level	Limit:1	2	3	4	5	6
Frequency	Reading	Factor	Factor	dB[uVolts/meter]						
[MHz]	[dB(uV)]	[dB]	[dB]							
=====										
Vertical 30 - 200MHz										
45.1944	50.17 qp	-35.3	11.9	26.77	30	-	-	-	-	-
Azimuth: 88	Height:100	Vert		Margin [dB]:	-3.23	-	-	-	-	-

LIMIT 1: CISPR22/EN55022 Class B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 137 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 35 Radiated Emissions Data Points

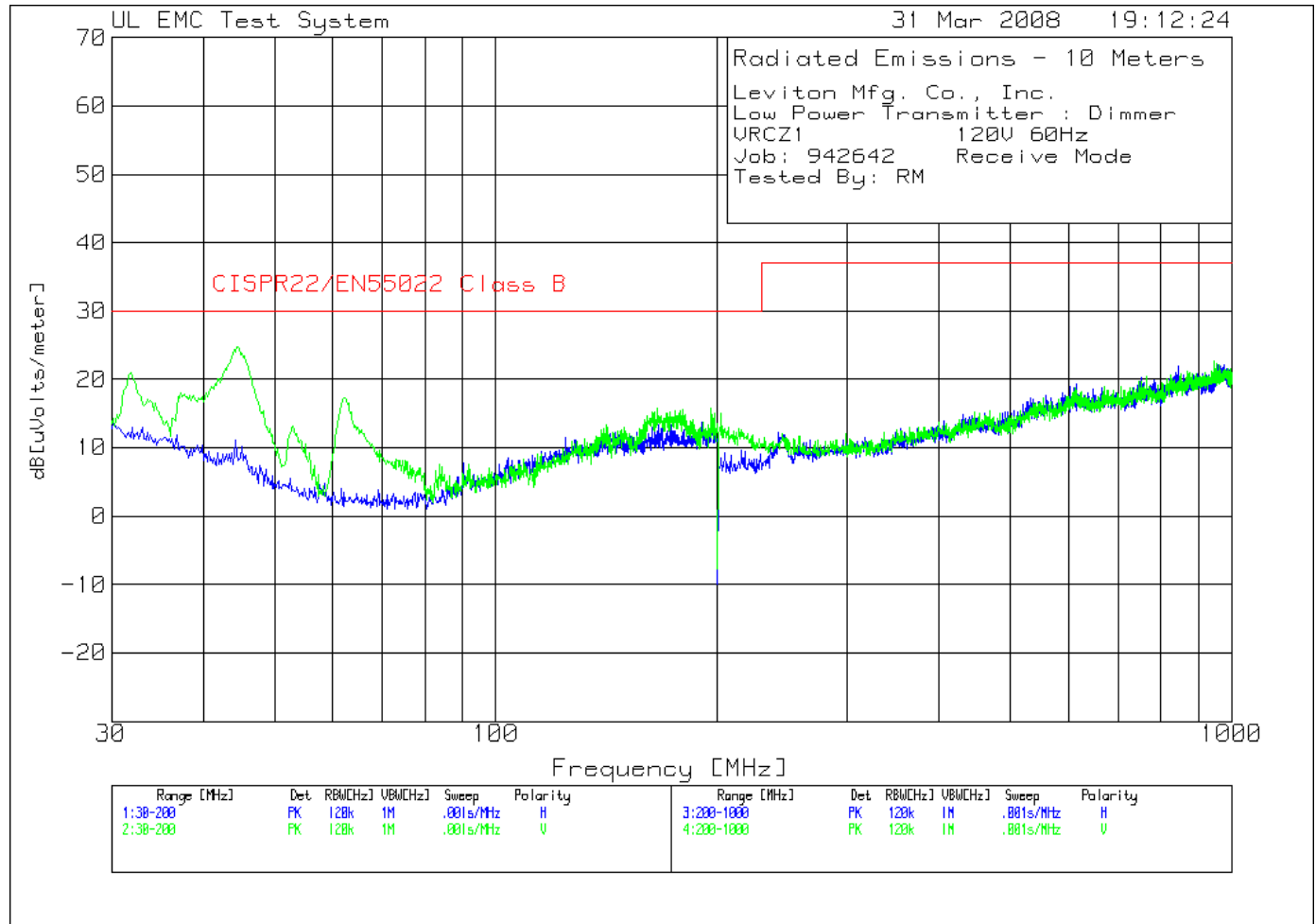
Leviton Mfg. Co., Inc.
 Low Power Transmitter : Dimmer
 VRCS1 120V 60Hz
 Job: 942642 Receive Mode
 Tested By: RM

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
Horizontal 1000 - 2500MHz -----										
1	1100.601	42.03 pk	-32.2	25.2	35.03	54	-	-	-	-
	Azimuth:164	Height:100	Horz	Margin [dB]		-18.97	-	-	-	-
2	1554.054	39.9 pk	-31	25.3	34.2	54	-	-	-	-
	Azimuth:26	Height:200	Horz	Margin [dB]		-19.8	-	-	-	-
3	2106.607	38.96 pk	-29.6	28	37.36	54	-	-	-	-
	Azimuth:220	Height:200	Horz	Margin [dB]		-16.64	-	-	-	-
Horizontal 2500 - 5000MHz -----										
4	2748.499	37.22 pk	-28.5	29.5	38.22	54	-	-	-	-
	Azimuth:331	Height:100	Horz	Margin [dB]		-15.78	-	-	-	-
5	3589.059	34.88 pk	-26	31.4	40.28	54	-	-	-	-
	Azimuth:168	Height:100	Horz	Margin [dB]		-13.72	-	-	-	-
Vertical 1000 - 2500MHz -----										
6	1243.243	41.15 pk	-31.8	25	34.35	54	-	-	-	-
	Azimuth:192	Height:200	Vert	Margin [dB]		-19.65	-	-	-	-
7	1816.817	41.02 pk	-30.5	26.8	37.32	54	-	-	-	-
	Azimuth:354	Height:100	Vert	Margin [dB]		-16.68	-	-	-	-
Vertical 2500 - 5000MHz -----										
8	2935.29	37.13 pk	-28.3	30	38.83	54	-	-	-	-
	Azimuth:276	Height:200	Vert	Margin [dB]		-15.17	-	-	-	-
9	3909.273	34.31 pk	-25.8	32.3	40.81	54	-	-	-	-
	Azimuth:167	Height:100	Vert	Margin [dB]		-13.19	-	-	-	-
10	4849.9	33.89 pk	-24.5	32.9	42.29	54	-	-	-	-
	Azimuth:354	Height:200	Vert	Margin [dB]		-11.71	-	-	-	-

LIMIT 1: FCC Part 15 Subpart B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 39 Radiated Emissions Graph VRCZ1



Project Number: 942642 File Number: MC15211 Page 139 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 36 Radiated Emissions Graph VRI06

Leviton Mfg. Co., Inc.
 Low Power Transmitter : Dimmer
 VRCZ1 120V 60Hz
 Job: 942642 Receive Mode
 Tested By: RM

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 30 - 200MHz -----											
1	44.2943	33.82 pk	-35.2	12.5	11.12	30	-	-	-	-	-
	Azimuth:80	Height:250	Horz	Margin [dB]		-18.88	-	-	-	-	-
2	190.6406	33.46 pk	-35.4	15.6	13.66	30	-	-	-	-	-
	Azimuth:319	Height:400	Horz	Margin [dB]		-16.34	-	-	-	-	-
Vertical 30 - 200MHz -----											
3	31.8719	39.1 pk	-34.6	16.5	21	30	-	-	-	-	-
	Azimuth:240	Height:100	Vert	Margin [dB]		-9	-	-	-	-	-
4	44.4645	47.85 pk	-35.2	12.1	24.75	30	-	-	-	-	-
	Azimuth:280	Height:100	Vert	Margin [dB]		-5.25	-	-	-	-	-
5	62.1622	46.05 pk	-35.3	6.6	17.35	30	-	-	-	-	-
	Azimuth:0	Height:100	Vert	Margin [dB]		-12.65	-	-	-	-	-
6	165.6256	35.68 pk	-35.6	15.7	15.78	30	-	-	-	-	-
	Azimuth:240	Height:100	Vert	Margin [dB]		-14.22	-	-	-	-	-
Horizontal 200 - 1000MHz -----											
7	845.923	30.7 pk	-32	23.2	21.9	37	-	-	-	-	-
	Azimuth:269	Height:101	Horz	Margin [dB]		-15.1	-	-	-	-	-
Vertical 200 - 1000MHz -----											
8	944.7724	30.46 pk	-31.8	24	22.66	37	-	-	-	-	-
	Azimuth:47	Height:399	Vert	Margin [dB]		-14.34	-	-	-	-	-

LIMIT 1: CISPR22/EN55022 Class B

Project Number: 942642 File Number: MC15211 Page 140 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter : Dimmer
 VRCZ1 120V 60Hz
 Job: 942642 Receive Mode
 Tested By: RM

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====										
Vertical 30 - 200MHz										
44.8176	46.37 qp	-35.3	12	23.07	30	-	-	-	-	-
Azimuth: 21	Height:100	Vert		Margin [dB]:	-6.93	-	-	-	-	-

LIMIT 1: CISPR22/EN55022 Class B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 142 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

Table 37 Radiated Emissions Graph VRI06

Leviton Mfg. Co., Inc.
Low Power Transmitter : Dimmer
VRCZ1 120V 60Hz
Job: 942642 Receive Mode
Tested By: RM

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
Horizontal 1000 - 2500MHz -----										
1	1087.087	41.38 pk	-32.2	25.2	34.38	54	-	-	-	-
	Azimuth:136	Height:200	Horz	Margin [dB]	-19.62	-	-	-	-	-
2	2261.261	39.01 pk	-29.1	28.3	38.21	54	-	-	-	-
	Azimuth:354	Height:101	Horz	Margin [dB]	-15.79	-	-	-	-	-
3	2462.462	38.23 pk	-29	28.7	37.93	54	-	-	-	-
	Azimuth:53	Height:200	Horz	Margin [dB]	-16.07	-	-	-	-	-
Horizontal 2500 - 5000MHz -----										
4	3228.819	36.27 pk	-27.4	30.7	39.57	54	-	-	-	-
	Azimuth:220	Height:200	Horz	Margin [dB]	-14.43	-	-	-	-	-
Vertical 1000 - 2500MHz -----										
5	1746.246	41.45 pk	-30.5	26.4	37.35	54	-	-	-	-
	Azimuth:192	Height:100	Vert	Margin [dB]	-16.65	-	-	-	-	-
6	1798.799	41.58 pk	-30.4	26.7	37.88	54	-	-	-	-
	Azimuth:192	Height:100	Vert	Margin [dB]	-16.12	-	-	-	-	-
7	2285.285	39.61 pk	-28.7	28.3	39.21	54	-	-	-	-
	Azimuth:303	Height:200	Vert	Margin [dB]	-14.79	-	-	-	-	-
8	2400.901	41.11 pk	-29.2	28.4	40.31	54	-	-	-	-
	Azimuth:81	Height:200	Vert	Margin [dB]	-13.69	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart B

pk - Peak detector
qp - Quasi-Peak detector
av - Average detector
avlg - Average log detector
ave - Average detector

Project Number: 942642 File Number: MC15211 Page 144 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

Table 38 Radiated Emissions Graph VRI06

Leviton Mfg. Co., Inc.
Low Power Transmitter: Dimmer
VRI06 120V 60Hz
Job: 942642 RCV Mode
Tested By: GB

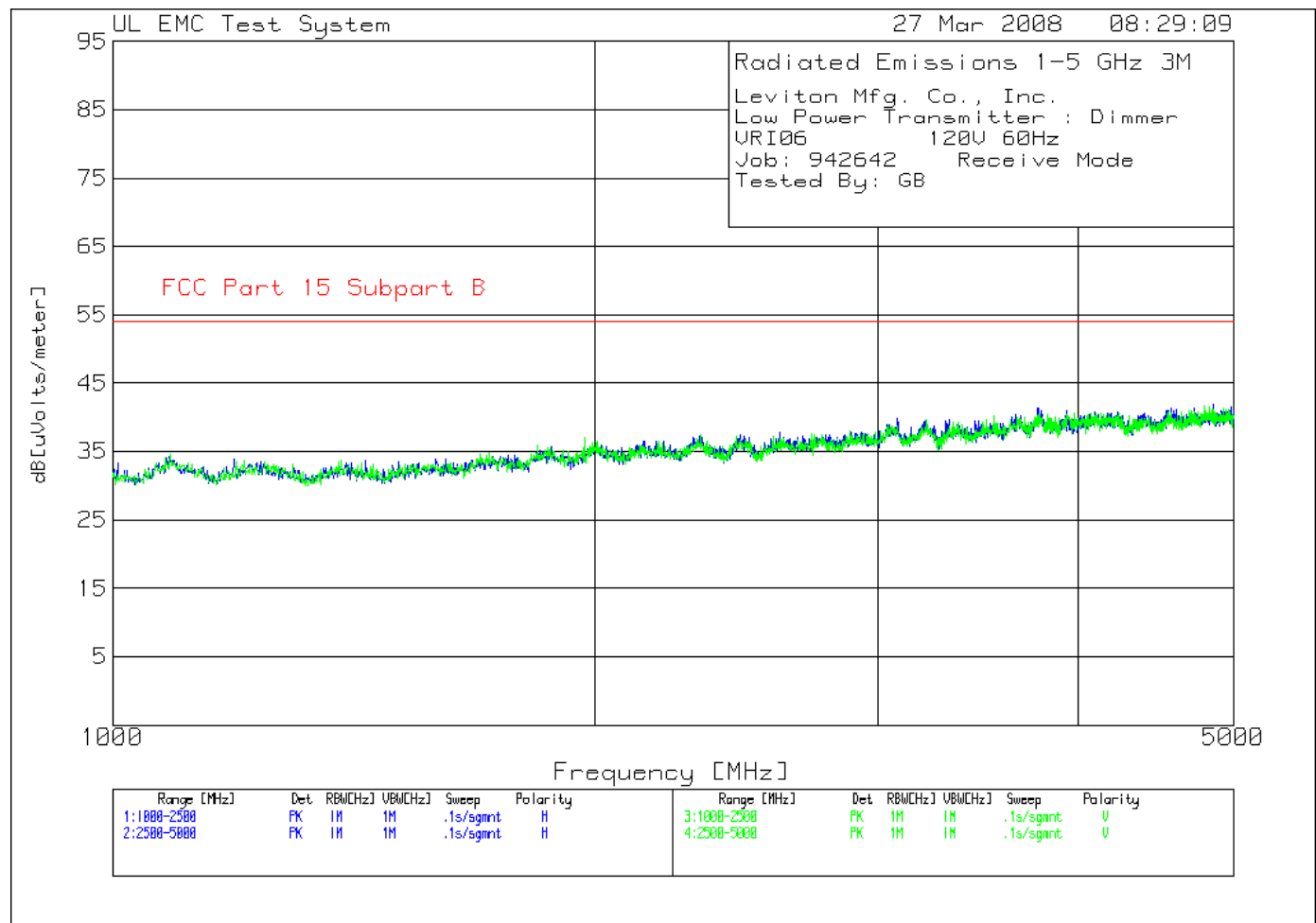
Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====											
Vertical 30 - 200MHz -----											
1	41.4014	39.13 pk	-35.2	13.1	17.03	30	-	-	-	-	-
	Azimuth:199	Height:100	Vert	Margin [dB]		-12.97	-	-	-	-	-
2	130.7407	42.21 pk	-35.6	14.1	20.71	30	-	-	-	-	-
	Azimuth:239	Height:100	Vert	Margin [dB]		-9.29	-	-	-	-	-
3	183.1532	38.21 pk	-35.4	16	18.81	30	-	-	-	-	-
	Azimuth:358	Height:100	Vert	Margin [dB]		-11.19	-	-	-	-	-
Vertical 200 - 1000MHz -----											
4	214.4072	44.36 pk	-34.7	11.2	20.86	30	-	-	-	-	-
	Azimuth:136	Height:199	Vert	Margin [dB]		-9.14	-	-	-	-	-
5	832.7164	35.6 pk	-32.3	22.4	25.7	37	-	-	-	-	-
	Azimuth:314	Height:199	Vert	Margin [dB]		-11.3	-	-	-	-	-
6	879.1396	34.68 pk	-32	22.8	25.48	37	-	-	-	-	-
	Azimuth:270	Height:399	Vert	Margin [dB]		-11.52	-	-	-	-	-

LIMIT 1: CISPR22/EN55022 Class B

pk - Peak detector
qp - Quasi-Peak detector
av - Average detector
avlg -denotes average log detection

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Figure 42 Radiated Emissions Graph VRI06



Project Number: 942642 File Number: MC15211 Page 146 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 39 Radiated Emissions Graph VRI06

Leviton Mfg. Co., Inc.
 Low Power Transmitter : Dimmer
 VRI06 120V 60Hz
 Job: 942642 Receive Mode
 Tested By: GB

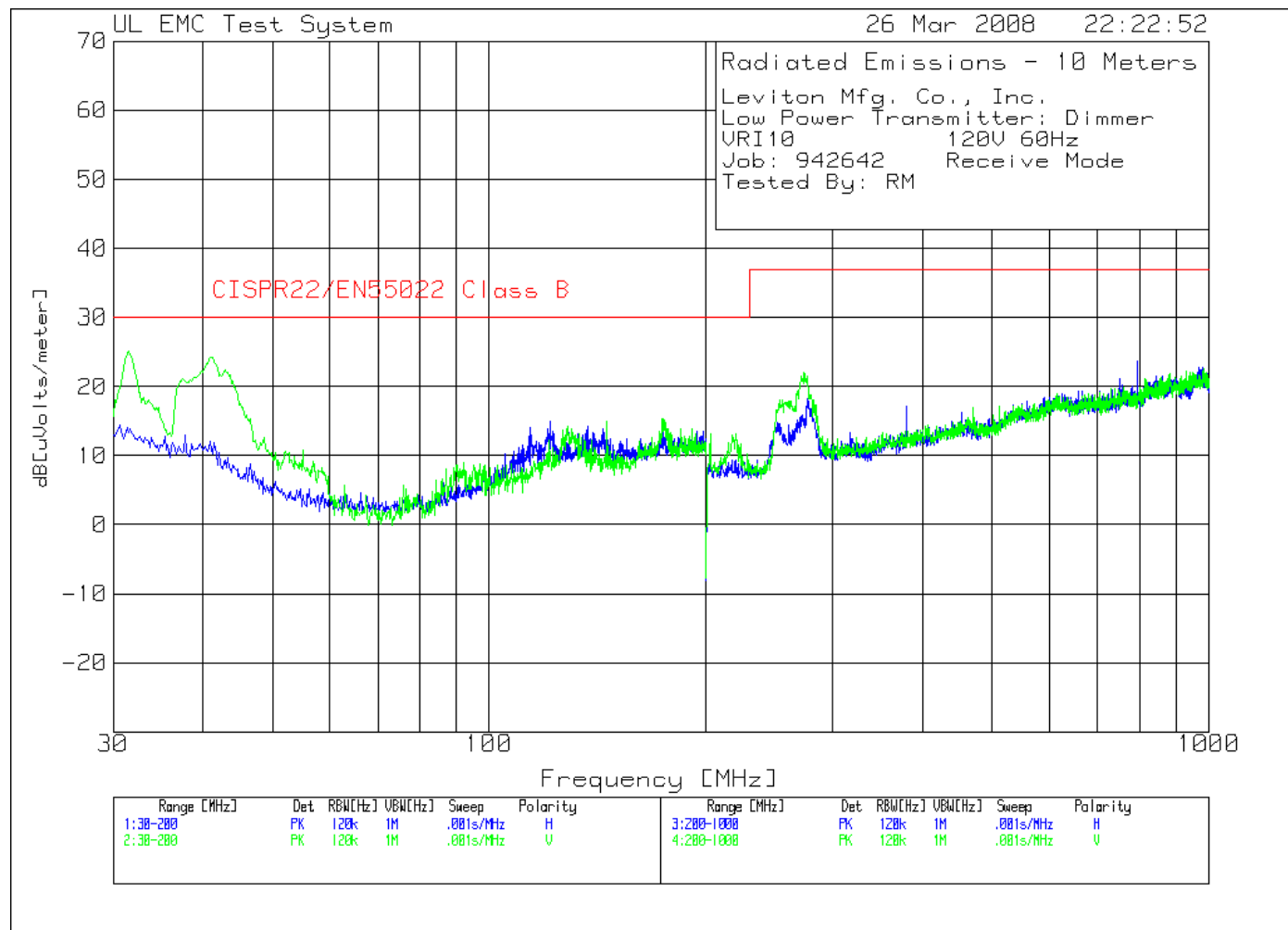
Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
Horizontal 1000 - 2500MHz -----										
1	1085.586	41.26 pk	-32.2	25.2	34.26	54	-	-	-	-
	Azimuth:303	Height:200	Horz	Margin [dB]		-19.74	-	-	-	-
2	1190.691	40.62 pk	-31.8	25.1	33.92	54	-	-	-	-
	Azimuth:137	Height:200	Horz	Margin [dB]		-20.08	-	-	-	-
3	2324.324	37.72 pk	-28.9	28.4	37.22	54	-	-	-	-
	Azimuth:220	Height:200	Horz	Margin [dB]		-16.78	-	-	-	-
Horizontal 2500 - 5000MHz -----										
4	3087.058	36.98 pk	-27.6	30.5	39.88	54	-	-	-	-
	Azimuth:353	Height:100	Horz	Margin [dB]		-14.12	-	-	-	-
5	3774.183	34.82 pk	-25.3	31.9	41.42	54	-	-	-	-
	Azimuth:250	Height:200	Horz	Margin [dB]		-12.58	-	-	-	-
6	4859.907	33.48 pk	-24.5	33	41.98	54	-	-	-	-
	Azimuth:54	Height:100	Horz	Margin [dB]		-12.02	-	-	-	-

LIMIT 1: FCC Part 15 Subpart B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection

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Figure 43 Radiated Emissions Graph VRI10



Project Number: 942642 File Number: MC15211 Page 148 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 40 Radiated Emissions Graph VRI10

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI10 120V 60Hz
 Job: 942642 RCV Mode
 Tested By: GB

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 30 - 200MHz -----											
4	178.2182	36.56 pk	-35.5	15.4	16.46	30	-	-	-	-	-
	Azimuth:0	Height:400	Horz	Margin [dB]		-13.54	-	-	-	-	-
Vertical 30 - 200MHz -----											
1	31.7017	43.6 pk	-34.6	16.6	25.6	30	-	-	-	-	-
	Azimuth:239	Height:100	Vert	Margin [dB]		-4.4	-	-	-	-	-
2	41.2312	48.04 pk	-35.2	13.1	25.94	30	-	-	-	-	-
	Azimuth:159	Height:100	Vert	Margin [dB]		-4.06	-	-	-	-	-
3	43.7838	47.31 pk	-35.1	12.4	24.61	30	-	-	-	-	-
	Azimuth:239	Height:100	Vert	Margin [dB]		-5.39	-	-	-	-	-
Vertical 200 - 1000MHz -----											
5	218.009	54.76 pk	-34.6	11.1	31.26	30	-	-	-	-	-
	Azimuth:358	Height:299	Vert	Margin [dB]		1.26	-	-	-	-	-
6	832.3162	50.06 pk	-32.3	22.4	40.16	37	-	-	-	-	-
	Azimuth:45	Height:100	Vert	Margin [dB]		3.16	-	-	-	-	-

LIMIT 1: CISPR22/EN55022 Class B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 149 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRI10 120V 60Hz
 Job: 942642 RCV Mode
 Tested By: GB

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====										
Vertical 30 - 200MHz										
31.9154	40.64 qp	-34.6	16.5	22.54	30	-	-	-	-	-
Azimuth: 322 Height:119 Vert					Margin [dB]:	-7.46	-	-	-	-
41.2	45.99 qp	-35.2	13.2	23.99	30	-	-	-	-	-
Azimuth: 266 Height:107 Vert					Margin [dB]:	-6.01	-	-	-	-
43.7	45.57 qp	-35.1	12.4	22.87	30	-	-	-	-	-
Azimuth: 8 Height:100 Vert					Margin [dB]:	-7.13	-	-	-	-
Vertical 200 - 1000MHz										
218	31.93 qp	-34.6	11.1	8.43	30	-	-	-	-	-
Azimuth: 3 Height:201 Vert					Margin [dB]:	-21.57	-	-	-	-
832.3	25.57 qp	-32.3	22.4	15.67	37	-	-	-	-	-
Azimuth: 8 Height:117 Vert					Margin [dB]:	-21.33	-	-	-	-

LIMIT 1: CISPR22/EN55022 Class B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 151 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 41 Radiated Emissions Graph VRI10

Leviton Mfg. Co., Inc.
 Low Power Transmitter : Dimmer
 VRI10 120V 60Hz
 Job: 942642 Receive Mode
 Tested By: RM

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 1000 - 2500MHz -----											
1	1109.61	41.51 pk	-32.2	25.2	34.51	54	-	-	-	-	-
	Azimuth:193	Height:100	Horz	Margin [dB]		-19.49	-	-	-	-	-
2	1816.817	40.37 pk	-30.5	26.8	36.67	54	-	-	-	-	-
	Azimuth:354	Height:200	Horz	Margin [dB]		-17.33	-	-	-	-	-
3	2456.456	38.2 pk	-29.1	28.7	37.8	54	-	-	-	-	-
	Azimuth:359	Height:100	Horz	Margin [dB]		-16.2	-	-	-	-	-
Horizontal 2500 - 5000MHz -----											
4	3200.467	37.57 pk	-27.6	30.7	40.67	54	-	-	-	-	-
	Azimuth:7	Height:100	Horz	Margin [dB]		-13.33	-	-	-	-	-
5	3795.864	34.96 pk	-25.5	31.9	41.36	54	-	-	-	-	-
	Azimuth:112	Height:200	Horz	Margin [dB]		-12.64	-	-	-	-	-
6	4821.548	34.1 pk	-24.5	33	42.6	54	-	-	-	-	-
	Azimuth:82	Height:100	Horz	Margin [dB]		-11.4	-	-	-	-	-
Vertical 1000 - 2500MHz -----											
7	1402.402	41.15 pk	-31.2	25.1	35.05	54	-	-	-	-	-
	Azimuth:331	Height:200	Vert	Margin [dB]		-18.95	-	-	-	-	-
8	2300.3	38.07 pk	-28.6	28.3	37.77	54	-	-	-	-	-
	Azimuth:303	Height:100	Vert	Margin [dB]		-16.23	-	-	-	-	-
Vertical 2500 - 5000MHz -----											
9	3420.614	35.23 pk	-26.9	31	39.33	54	-	-	-	-	-
	Azimuth:29	Height:200	Vert	Margin [dB]		-14.67	-	-	-	-	-
10	4563.042	34.62 pk	-24.9	32.4	42.12	54	-	-	-	-	-
	Azimuth:353	Height:200	Vert	Margin [dB]		-11.88	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 153 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 42 Radiated Emissions Graph VRM10

Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Receive Mode
 Tested By: RM

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 30 - 200MHz -----											
1	33.0631	31.3 pk	-35	17	13.3	30	-	-	-	-	-
	Azimuth:358	Height:400	Horz	Margin [dB]		-16.7	-	-	-	-	-
2	130.4004	33.81 pk	-35.6	14	12.21	30	-	-	-	-	-
	Azimuth:0	Height:400	Horz	Margin [dB]		-17.79	-	-	-	-	-
Vertical 30 - 200MHz -----											
3	30.8509	41.49 pk	-34.5	16.9	23.89	30	-	-	-	-	-
	Azimuth:240	Height:100	Vert	Margin [dB]		-6.11	-	-	-	-	-
4	45.1451	41.39 pk	-35.3	11.9	17.99	30	-	-	-	-	-
	Azimuth:80	Height:100	Vert	Margin [dB]		-12.01	-	-	-	-	-
Horizontal 200 - 1000MHz -----											
5	304.8524	33.29 pk	-34.2	13.1	12.19	37	-	-	-	-	-
	Azimuth:17	Height:300	Horz	Margin [dB]		-24.81	-	-	-	-	-
Vertical 200 - 1000MHz -----											
6	228.8144	36.7 pk	-34.6	11	13.1	30	-	-	-	-	-
	Azimuth:314	Height:100	Vert	Margin [dB]		-16.9	-	-	-	-	-
7	274.037	34.35 pk	-34.4	13.2	13.15	37	-	-	-	-	-
	Azimuth:358	Height:100	Vert	Margin [dB]		-23.85	-	-	-	-	-
8	939.1696	29.84 pk	-31.8	23.9	21.94	37	-	-	-	-	-
	Azimuth:46	Height:299	Vert	Margin [dB]		-15.06	-	-	-	-	-

LIMIT 1: CISPR22/EN55022 Class B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 154 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

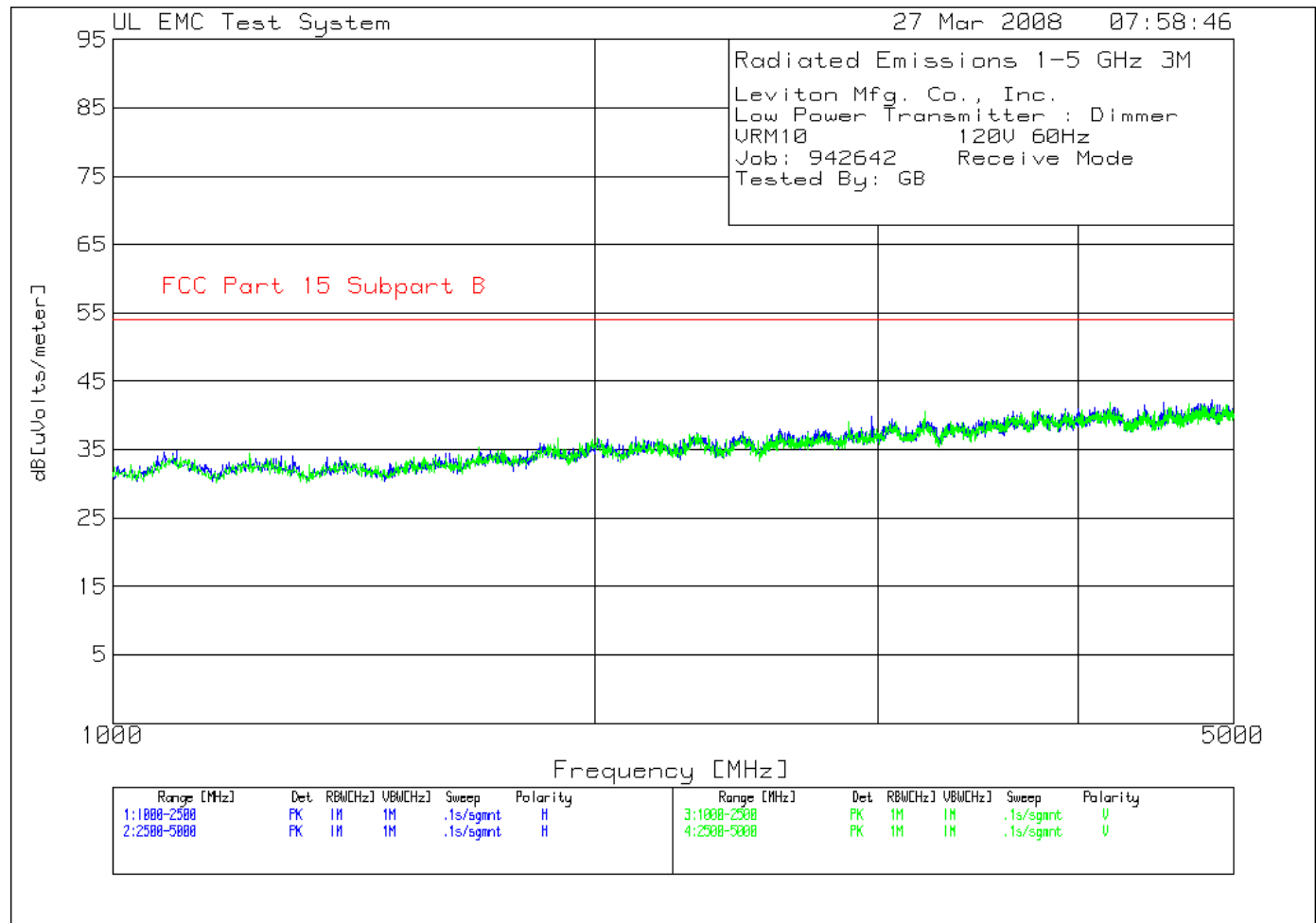
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRM10 120V 60Hz
 Job: 942642 Receive Mode
 Tested By: RM

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====										
Vertical 30 - 200MHz										
31.0631	38.53 qp	-34.5	16.8	20.83	30	-	-	-	-	-
Azimuth: 265 Height:100 Vert					Margin [dB]:	-9.17	-	-	-	-
45.0421	38.48 qp	-35.3	11.9	15.08	30	-	-	-	-	-
Azimuth: 228 Height:102 Vert					Margin [dB]:	-14.92	-	-	-	-

LIMIT 1: CISPR22/EN55022 Class B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 46 Radiated Emissions Graph VRM10



Project Number: 942642 File Number: MC15211 Page 156 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 43 Radiated Emissions Graph VRM10

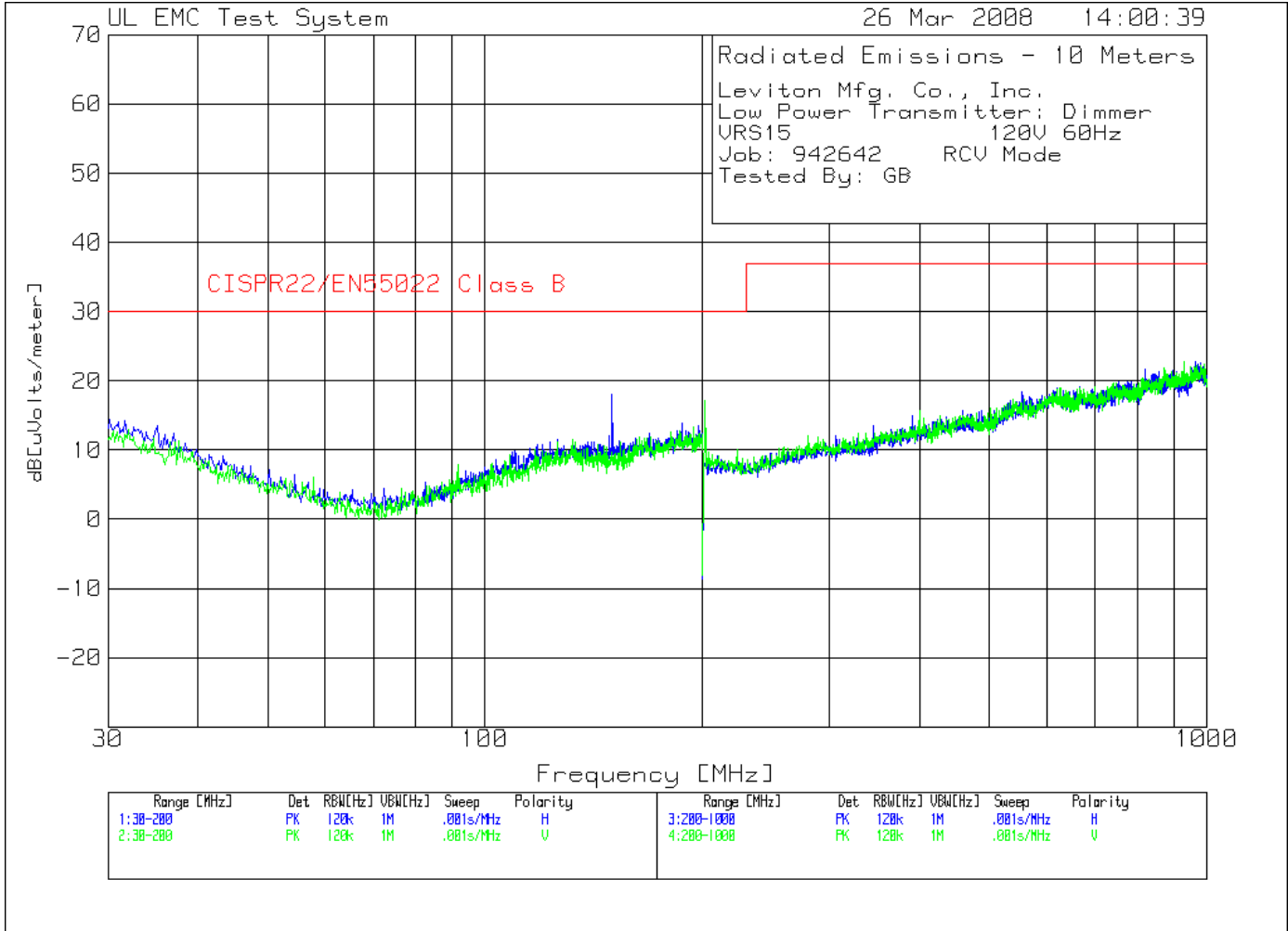
Leviton Mfg. Co., Inc.
 Low Power Transmitter : Dimmer
 VRM10 120V 60Hz
 Job: 942642 Receive Mode
 Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
=====Horizontal 1000 -											
2500MHz -----											
1	1096.096	41.87 pk	-32.2	25.2	34.87	54	-	-	-	-	-
	Azimuth:80	Height:200	Horz	Margin [dB]		-19.13	-	-	-	-	-
2	1360.36	40.37 pk	-31.5	25.1	33.97	54	-	-	-	-	-
	Azimuth:219	Height:200	Horz	Margin [dB]		-20.03	-	-	-	-	-
3	1846.847	39.44 pk	-30.3	26.9	36.04	54	-	-	-	-	-
	Azimuth:80	Height:99	Horz	Margin [dB]		-17.96	-	-	-	-	-
Horizontal 2500 - 5000MHz -----											
4	2975.317	37.5 pk	-27.8	30.2	39.9	54	-	-	-	-	-
	Azimuth:54	Height:200	Horz	Margin [dB]		-14.1	-	-	-	-	-
5	4209.473	34.04 pk	-25.2	32.4	41.24	54	-	-	-	-	-
	Azimuth:54	Height:100	Horz	Margin [dB]		-12.76	-	-	-	-	-
6	4523.015	34.51 pk	-25.1	32.5	41.91	54	-	-	-	-	-
	Azimuth:26	Height:200	Horz	Margin [dB]		-12.09	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - denotes average log detection

Figure 47 Radiated Emissions Graph VRS15



Project Number: 942642 File Number: MC15211 Page 158 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 44 Radiated Emissions Graph VRS15

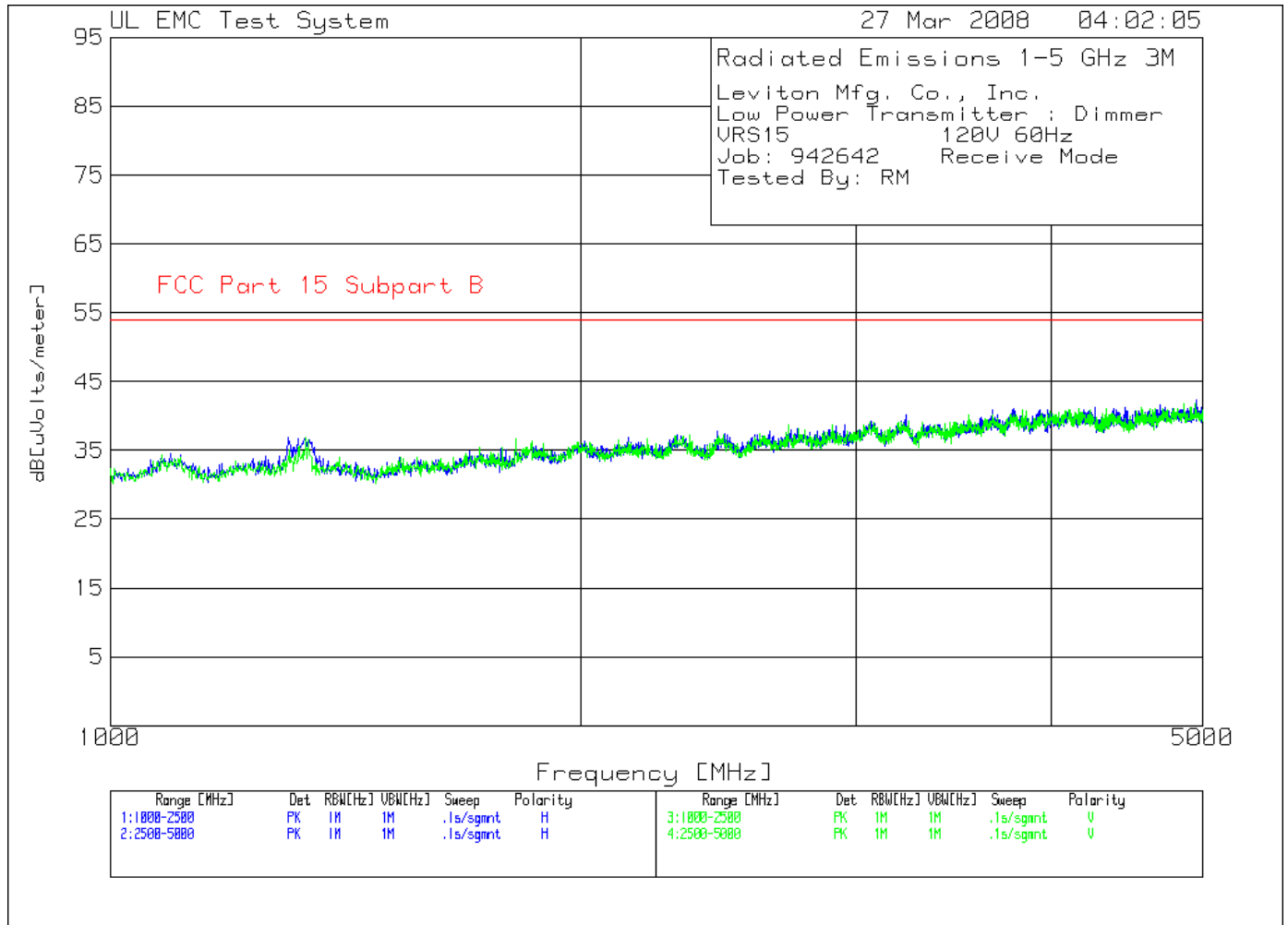
Leviton Mfg. Co., Inc.
 Low Power Transmitter: Dimmer
 VRS15 120V 60Hz
 Job: 942642 RCV Mode
 Tested By: GB

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 30 - 200MHz -----											
1	35.1051	32.25 pk	-35	16.2	13.45	30	-	-	-	-	-
	Azimuth:40	Height:250	Horz	Margin [dB]		-16.55	-	-	-	-	-
2	54.5045	33.39 pk	-35.3	8.4	6.49	30	-	-	-	-	-
	Azimuth:159	Height:100	Horz	Margin [dB]		-23.51	-	-	-	-	-
3	149.97	39.02 pk	-35.7	14.7	18.02	30	-	-	-	-	-
	Azimuth:159	Height:100	Horz	Margin [dB]		-11.98	-	-	-	-	-
Vertical 200 - 1000MHz -----											
4	201.6008	40.22 pk	-34.9	11.9	17.22	30	-	-	-	-	-
	Azimuth:180	Height:101	Vert	Margin [dB]		-12.78	-	-	-	-	-
5	399.6999	32.93 pk	-33.3	16	15.63	37	-	-	-	-	-
	Azimuth:46	Height:101	Vert	Margin [dB]		-21.37	-	-	-	-	-
6	930.3652	30.85 pk	-31.8	23.8	22.85	37	-	-	-	-	-
	Azimuth:224	Height:399	Vert	Margin [dB]		-14.15	-	-	-	-	-

LIMIT 1: CISPR22/EN55022 Class B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Figure 48 Radiated Emissions Graph VRS15



Project Number: 942642 File Number: MC15211 Page 160 of 163
 Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
 Client Name: Leviton Mfg. Co. Inc.
 FCC ID: QGH-VRSDC
 IC Number: 2473A-VRSDC

Table 45 Radiated Emissions Graph VRS15

Leviton Mfg. Co., Inc.
 Low Power Transmitter : Dimmer
 VRS15 120V 60Hz
 Job: 942642 Receive Mode
 Tested By: RM

Test No.	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level Limit:1 dB[uVolts/meter]	2	3	4	5	6
Horizontal 1000 - 2500MHz -----										
1	1093.093	41.5 pk	-32.2	25.2	34.5	54	-	-	-	-
	Azimuth:354	Height:100	Horz	Margin [dB]		-19.5	-	-	-	-
2	1300.3	43.45 pk	-31.6	25.1	36.95	54	-	-	-	-
	Azimuth:109	Height:100	Horz	Margin [dB]		-17.05	-	-	-	-
3	2447.447	38.11 pk	-29.1	28.7	37.71	54	-	-	-	-
	Azimuth:359	Height:100	Horz	Margin [dB]		-16.29	-	-	-	-
Horizontal 2500 - 5000MHz -----										
4	3227.151	36.93 pk	-27.4	30.7	40.23	54	-	-	-	-
	Azimuth:26	Height:200	Horz	Margin [dB]		-13.77	-	-	-	-
5	4953.302	33.54 pk	-24.4	33.1	42.24	54	-	-	-	-
	Azimuth:6	Height:100	Horz	Margin [dB]		-11.76	-	-	-	-
Vertical 1000 - 2500MHz -----										
6	1334.835	43.44 pk	-31.6	25.1	36.94	54	-	-	-	-
	Azimuth:109	Height:200	Vert	Margin [dB]		-17.06	-	-	-	-
7	1816.817	40.41 pk	-30.5	26.8	36.71	54	-	-	-	-
	Azimuth:354	Height:200	Vert	Margin [dB]		-17.29	-	-	-	-
Vertical 2500 - 5000MHz -----										
8	2716.811	37.86 pk	-28.4	29.3	38.76	54	-	-	-	-
	Azimuth:220	Height:200	Vert	Margin [dB]		-15.24	-	-	-	-
9	3539.026	35.67 pk	-26.8	31.3	40.17	54	-	-	-	-
	Azimuth:278	Height:100	Vert	Margin [dB]		-13.83	-	-	-	-
10	4864.91	33.3 pk	-24.5	33	41.8	54	-	-	-	-
	Azimuth:248	Height:200	Vert	Margin [dB]		-12.2	-	-	-	-

LIMIT 1: FCC Part 15 Subpart B

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 ave - Average detector

Project Number: 942642 File Number: MC15211 Page 161 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

5.0 Fundamental Frequency and Spurious Emissions Measurement Limit Calculations:

Limit Calculation

Fundamental Frequency is 908.4MHz

Limit = $20 \cdot \log(\text{mV/m})$

Limit = $20 \cdot \log(50000)$

Limit = 94dBuV

From table in section 15.209

Limit for Spurious Emissions = 20dB lower then fundamental = dBuV/m

Fundamental Frequency is 908.4MHz

Limit = $20 \cdot \log(\text{uV/m})$

Limit = $20 \cdot \log(500)$

Limit = 94dBuV

Limit for Harmonic Emissions = 50dB lower then fundamental = 54dBuV/m

Radiated Emissions Limit conversion from mV/m to dBmV/m (accordance with paragraph 15.109)

Radiated Emissions Limit (dBμV/m) = $20 \cdot \log(\text{μV/m})$

Radiated Emissions Limit (dBμV/m) = $20 \cdot \log(90)$

Radiated Emissions Limit (dBμV/m) = 39.1

Radiated Emissions test data obtained during measurements.

Field Strength (dBμV/m) = Measured field strength (dBμV/m) + Antenna Factor (dB) + Cable Factor (dB)

Field Strength (dBμV/m) = 19.7dBμV/m + 12.5dB + 0.3dB

Field Strength (dBμV/m) = 32.5

Project Number: 942642 File Number: MC15211 Page 162 of 163
Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC

Appendix A

Accreditations and Authorizations



NVLAP Lab code: 100255-0

NVLAP: Recognized under the National Voluntary Laboratory Accreditation Program (NVLAP) for satisfactory compliance with criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements of ISO/IEC EN17025 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987) as suppliers of calibration or test results. For a full scope listing see <http://ts.nist.gov/ts/htdocs/210/214/scopes/1002550.htm>



FCC: Details of the measurement facilities used for these tests have been filed with the Federal Communications Commission's Laboratory in Columbia, Maryland (Ref. No. 91040).



Industry Canada Industrie Canada

Industry of Canada: Accredited by Industry Canada for performance of radiated measurements. Our test site complies with RSP 100, Issue 7, Section 3.3. File #: IC 2181



VCCI: Accepted as an Associate Member to the VCCI. The measurement facilities detailed in this test report have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. Registration Nos.: (Radiated Emissions) R-797, (Conducted Emissions) C-832, C-833, C-834 and (Conducted Emissions - Telecommunications Ports) T-160.

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Model Number: VRI06, VRI10, VRM10, VRS15, VRCS1, and VRCZ1
Client Name: Leviton Mfg. Co. Inc.
FCC ID: QGH-VRSDC
IC Number: 2473A-VRSDC



ICASA: ICASA (Independent Communications Authority of South Africa) has appointed UL as a Designated Test Laboratory to test Telecommunications equipment for type approval in compliance with CISPR 22 to assist in fulfilling its mandate under section 54(1) of the Telecommunications Act, 1996 (Act 103 of 1996).



NIST/CAB: Validated by the European Commission as a U.S. Conformity Assessment Body (CAB) of the U.S.-EU Mutual Recognition Agreement (MRA) for the Electromagnetic Compatibility - Council Directive 89/336/EEC, Article 10 (2). Also validated for the Telecommunication Equipment-Council Directive 99/5/EC, Annex III and IV, Identification Number: 0983.

NIST/CAB: Provisioned to act as a U.S. Conformity Assessment Body (CAB) under Appendix B, Phase I Procedures, of the Asia Pacific Economic Cooperation (APEC) MRA between the American Institute in Taiwan (AIT) and the United States. Our laboratory is considered qualified to test equipment subject to the applicable EMC regulations of the Chinese Taipei Bureau of Standards, Metrology and Inspection (BSMI) which require testing to CNS 13438 (CISPR 22).

NIST/CAB: Recognized by the Infocomm Development Authority of Singapore (IDA) under the Asia Pacific Economic Cooperation Mutual Recognition Agreement (APEC MRA). Our laboratory is provisionally designated to act as a Conformity Assessment Body (CAB) under Appendix B, Phase I Procedures, of the APEC MRA. Our scope of designation includes IDA TS EMC (CISPR 22), IEC 61000-4-2, -4-3, -4-4, -4-5, and -4-6