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Job Number:	1001310282
Project Number:	10CA58536
File Number:	MC16478
Date:	30 Nov 2010
Model:	Seetemp
FCC ID: JPZ0074	IC ID: 2851A-JPZ0074

Electromagnetic Compatibility Test Report

For

LUTRON ELECTRONICS INC

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Tel: (631) 271-6200 Fax: (631)439-6095

Job Number: 1001310282 File Number: MC16478 Page 2 of 94
Model Number: SeeTemp
Client Name: LUTRON ELECTRONICS INC
FCC ID: JPZ0074 IC Number: 2851A-JPZ0074

Test Report Details

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

Tests Performed For: **LUTRON ELECTRONICS INC
7200 SUTTER ROAD
COOPERBURG, PA 18036**

Applicant Contact: **BOB SPEHALSKI**
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E-mail: **RSPEHALSKI@LUTRON.COM**

Test Report Date: **30 Nov 2010**

Product Type: **RF Adapter**

Product standards: **FCC Part 15, Subpart C, 15.231, RSS-GEN, RSS-210**

Model Number: **Seetemp**

Sample Serial Number: **Not Available**

EUT Category: **Periodic Low Power Transmitter**

Testing Start Date: **18 Nov 2010**

Date Testing Complete: **22 Nov 2010**

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, NIST, 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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Report Revision History

Revision Date	Description	Revised By	Revision Reviewed By
None	Original	-	-

1.0 GENERAL - Product Description

1.1 Equipment Description

The SeeTemp is an RF Thermostat. It is intended to be mounted in a standard electrical wall-box.

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

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

1.2 Equipment Marking Plate

Not available at time of test.

1.3 Device Configuration During Test

1.3.1 Equipment Used During Test:

Use	Product Type	Manufacturer	Model	Comments
EUT	Wall Box Control	LUTRON ELECTRONICS INC	Seetemp	None

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	Y	N	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

1.3.3 EUT Internal Operating Frequencies:

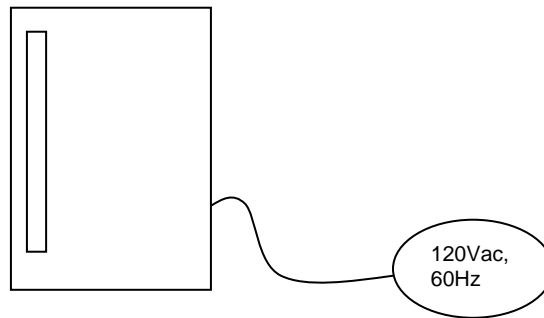
Frequency	Description
83.3Hz	PWM
62.5kHz	Bi Directional Data
203kHz	IF
1MHz	SPI
3MHz	SPI
13MHz	Bus
26MHz	Clock
26MHz	Crystal
431MHz-437MHz	Fc band

1.3.4 Power Interface:

Mode # /Rated	Voltage (V)	Current (A)	Power (W)	Frequency (DC/AC-Hz)	Phases (#)	Comments
Rated	120	-	-	AC – 60Hz	1	None
1	120	-	-	AC – 60Hz	1	None

1.4 Block Diagram:

The diagram below illustrates the configuration of the equipment above.



1.5 EUT Configurations

Mode #	Description
1	Stand-alone

1.6 EUT Operation Modes

Mode #	Description
1	Constant transmitting at 431MHz, packet mode
2	Constant transmitting at 437MHz, packet mode
3	Receive mode 431MHz
4	Receive mode 437MHz
5	433MHz, normally operating
6	Receive Mode at 434MHz

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
47 CFR Part 15, Subpart B	Code of Federal Regulations, Part 15, Radio Frequency Devices	2009
47 CFR Part 15, Subpart C	Code of Federal Regulations, Part 15, Radio Frequency Devices	2009
RSS-GEN, Issue 7	General Requirements and Information for the Certification of Radiocommunication Equipment	2007
RSS-210, Issue 2	Low-power License-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment	2007

2.4 Results Summary

This product is considered a periodic transmitter

Requirement – Test	Result (Compliant / Non-Compliant)*
Cease Operation	Compliant
Conducted Emissions - Mains	Compliant
Occupied Bandwidth	Compliant
99% Power Occupied Bandwidth	Compliant
Pulse Train - Averaging Factor	Compliant
Radiated Emissions - Intentional	Compliant
Radiated Emissions - Unintentional	Compliant

Test Engineer:



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

Reviewer:



Mike Antola(Ext.23053)
 Senior Project 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 -----

Code of Federal Regulations Title 47	Part 15, Subpart B, Radio Frequency Devices
Code of Federal Regulations Title 47	Part 15, Subpart C, Radio Frequency Devices
Industry Canada	RSS-GEN, RSS-210

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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Sample Calculations

Radiated Field Strength and Conducted Emissions data contained within this report is calculated on the following basis:

- Field Strength (dBuV/m) = Meter Reading (dBuV) + AF (dB/m) - Gain (dB) + Cable Loss (dB)
- Conducted Voltage (dBuV) = Meter Reading (dBuV) + Cable Loss (dB) + LISN IL (dB)
- Conducted Current (dBuA) = Meter Reading (dBuV) + Cable Loss (dB) - Transducer Factor (dBohms)

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, 15.231	
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		

Table 1 Conducted Emissions EUT Configuration Settings

Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	1
1	1	2
1	1	6
Supplementary information: Since the transmit and receive circuit have regulated power, receive mode was investigated and only the worst case mode reported.		

Table 2 Conducted Emissions Test Equipment

Test Equipment Used					
Description	Manufacturer	Model	Identifier	Cal Date	Cal Due Date
Conducted Emissions – GP 1					
EMI Receiver	Rohde & Schwarz	ESIB26	ME5B-081	2010-01-12	2011-01-12
LISN	Solar	9252-50-R-24-BNC	ME5A-636	2010-03-31	2011-03-31
Switch Driver	HP	11713A	44397	N/A	N/A
RF Switch Box	UL	4	44404	N/A	N/A
Measurement Software	UL	Version 9.3	44736	N/A	N/A
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	43734	2010-03-08	2012-03-08
Multimeter	Fluke	87V	44547	2010-02-01	2011-02-01

Figure 1 Test Setup for Conducted Emissions



Figure 2 Conducted Emissions Graph – TX 431Mhz

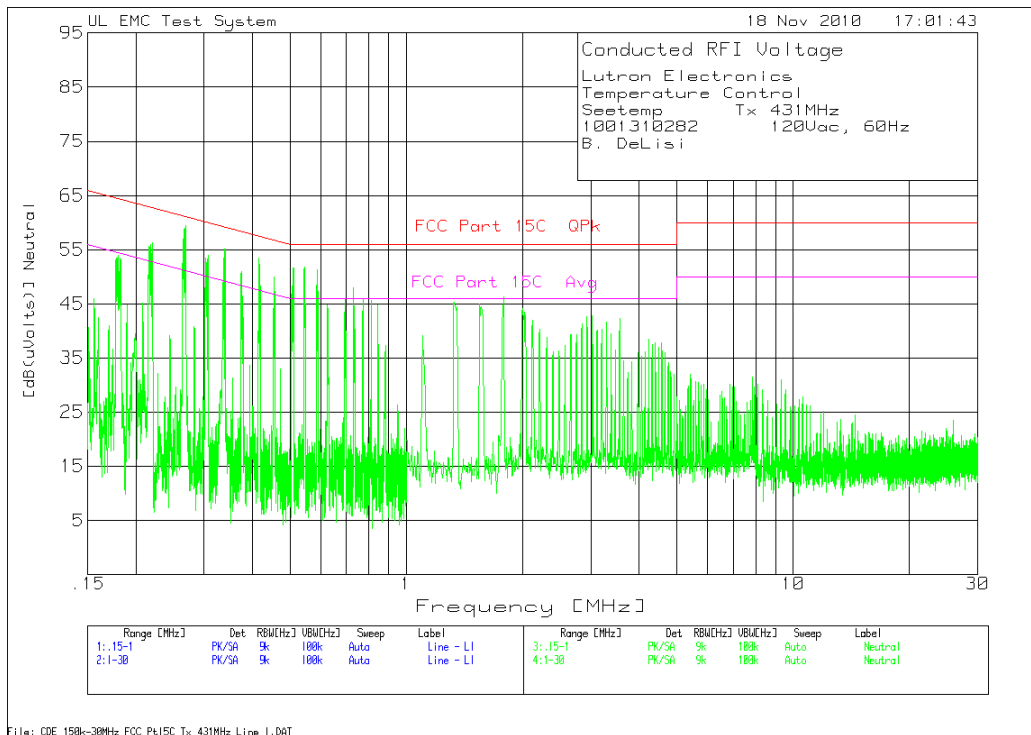
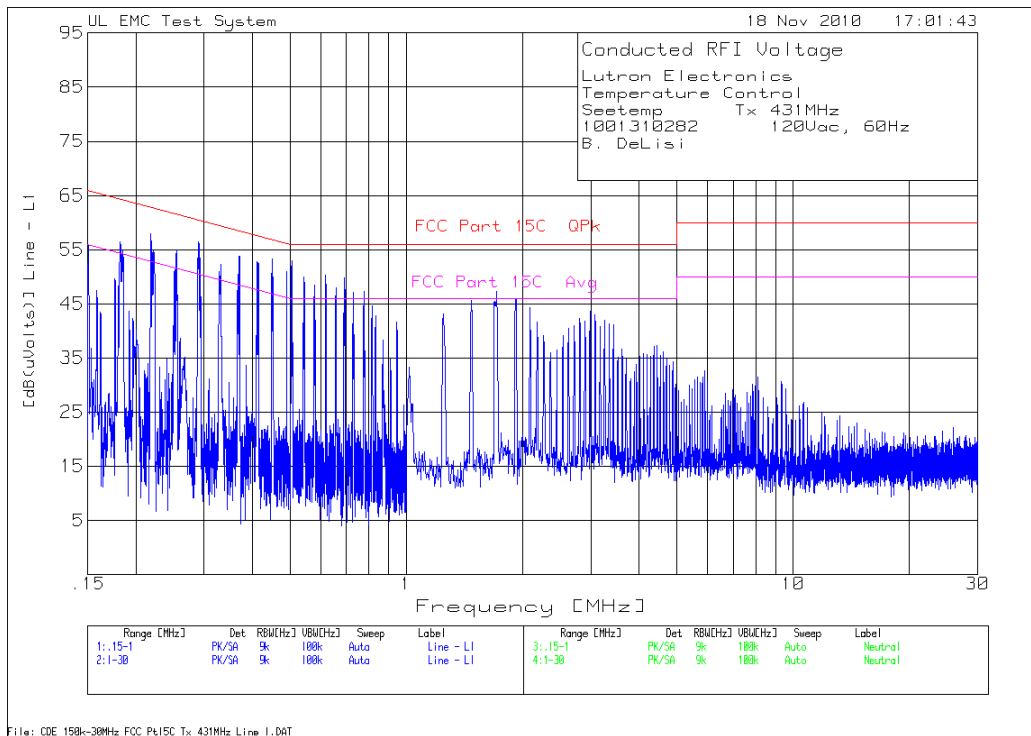


Table 3 Conducted Emissions Data Points – TX 431Mhz

Lutron Electronics
 Temperature Control
 Seetemp Tx 431MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

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	.15051	45.8 PK	10	0	55.8	66	56	-	-	-	-
				Margin [dB]		-10.2	-	-	-	-	-
2	.18214	46.45 PK	10	0	56.45	64.4	54.4	-	-	-	-
				Margin [dB]		-7.95	2.05	-	-	-	-
3	.21835	47.87 PK	10	0	57.87	62.9	52.9	-	-	-	-
				Margin [dB]		-5.03	4.97	-	-	-	-
4	.25423	44.86 PK	10	0	54.86	61.6	51.6	-	-	-	-
				Margin [dB]		-6.74	3.26	-	-	-	-
5	.28943	46.36 PK	10	0	56.36	60.5	50.5	-	-	-	-
				Margin [dB]		-4.14	5.86	-	-	-	-
6	.33092	42.23 PK	10	0	52.23	59.4	49.4	-	-	-	-
				Margin [dB]		-7.17	2.83	-	-	-	-
7	.36985	43.86 PK	10	0	53.86	58.5	48.5	-	-	-	-
				Margin [dB]		-4.64	5.36	-	-	-	-
8	.41134	42.81 PK	10	0	52.81	57.6	47.6	-	-	-	-
				Margin [dB]		-4.79	5.21	-	-	-	-
9	.45122	39.9 PK	10	0	49.9	56.9	46.9	-	-	-	-
				Margin [dB]		-7	3	-	-	-	-
10	.48939	40.93 PK	10	0	50.93	56.2	46.2	-	-	-	-
				Margin [dB]		-5.27	4.73	-	-	-	-
11	.50639	43.01 PK	10	0	53.01	56	46	-	-	-	-
				Margin [dB]		-2.99	7.01	-	-	-	-
12	.54261	39.88 PK	10	0	49.88	56	46	-	-	-	-
				Margin [dB]		-6.12	3.88	-	-	-	-
13	.57764	38.4 PK	10	0	48.4	56	46	-	-	-	-
				Margin [dB]		-7.6	2.4	-	-	-	-
14	.61844	40.35 PK	10	0	50.35	56	46	-	-	-	-
				Margin [dB]		-5.65	4.35	-	-	-	-
15	.65959	37.94 PK	10	0	47.94	56	46	-	-	-	-
				Margin [dB]		-8.06	1.94	-	-	-	-
16	.69258	39.76 PK	10	0	49.76	56	46	-	-	-	-
				Margin [dB]		-6.24	3.76	-	-	-	-
17	.73033	37.18 PK	10	0	47.18	56	46	-	-	-	-
				Margin [dB]		-8.82	1.18	-	-	-	-
18	.77641	37.26 PK	10	0	47.26	56	46	-	-	-	-
				Margin [dB]		-8.74	1.26	-	-	-	-

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

 PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detection
 Av - average detection
 CAV - CISPR average detection
 RMS - RMS detection
 CRMS - CISPR RMS detection

Lutron Electronics
 Temperature Control
 Seetemp Tx 431MHz
 1001310282 120Vac, 60Hz
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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
19	.81398	34.23 PK	10	0	44.23	56	46	-	-	-	-
				Margin [dB]		-11.77	-1.77	-	-	-	-
20	.83252	32.74 PK	10	0	42.74	56	46	-	-	-	-
				Margin [dB]		-13.26	-3.26	-	-	-	-
21	.94542	31.63 PK	10	0	41.63	56	46	-	-	-	-
				Margin [dB]		-14.37	-4.37	-	-	-	-
Line - L1 1 - 30MHz											
22	1.24945	33 PK	10.1	0	43.1	56	46	-	-	-	-
				Margin [dB]		-12.9	-2.9	-	-	-	-
23	1.4757	35.56 PK	10.1	0	45.66	56	46	-	-	-	-
				Margin [dB]		-10.34	-.34	-	-	-	-
24	1.71354	37.22 PK	10.1	0	47.32	56	46	-	-	-	-
				Margin [dB]		-8.68	1.32	-	-	-	-
25	1.92238	35.9 PK	10.1	0	46	56	46	-	-	-	-
				Margin [dB]		-10	0	-	-	-	-
26	2.09062	34.12 PK	10.1	0	44.22	56	46	-	-	-	-
				Margin [dB]		-11.78	-1.78	-	-	-	-
27	2.17764	31.48 PK	10.1	0	41.58	56	46	-	-	-	-
				Margin [dB]		-14.42	-4.42	-	-	-	-
28	2.27045	26.79 PK	10.1	0	36.89	56	46	-	-	-	-
				Margin [dB]		-19.11	-9.11	-	-	-	-
29	2.54311	29.02 PK	10.1	0	39.12	56	46	-	-	-	-
				Margin [dB]		-16.88	-6.88	-	-	-	-
30	2.63013	30.38 PK	10.1	0	40.48	56	46	-	-	-	-
				Margin [dB]		-15.52	-5.52	-	-	-	-
31	2.71134	30.94 PK	10.1	0	41.04	56	46	-	-	-	-
				Margin [dB]		-14.96	-4.96	-	-	-	-
32	2.81576	31.43 PK	10.1	0	41.53	56	46	-	-	-	-
				Margin [dB]		-14.47	-4.47	-	-	-	-
33	2.89698	31.76 PK	10.1	0	41.86	56	46	-	-	-	-
				Margin [dB]		-14.14	-4.14	-	-	-	-
34	2.9898	33.48 PK	10.1	0	43.58	56	46	-	-	-	-
				Margin [dB]		-12.42	-2.42	-	-	-	-
35	3.07682	32.84 PK	10.1	0	42.94	56	46	-	-	-	-
				Margin [dB]		-13.06	-3.06	-	-	-	-
36	3.16963	30.73 PK	10.1	0	40.83	56	46	-	-	-	-
				Margin [dB]		-15.17	-5.17	-	-	-	-
37	3.25665	31.8 PK	10.1	0	41.9	56	46	-	-	-	-
				Margin [dB]		-14.1	-4.1	-	-	-	-
38	3.34367	31.23 PK	10.1	0	41.33	56	46	-	-	-	-
				Margin [dB]		-14.67	-4.67	-	-	-	-
39	3.43649	31.01 PK	10.1	0	41.11	56	46	-	-	-	-
				Margin [dB]		-14.89	-4.89	-	-	-	-

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

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detection
 Av - average detection
 CAV - CISPR average detection
 RMS - RMS detection

CRMS - CISPR RMS detection
 Lutron Electronics
 Temperature Control
 Seetemp Tx 431MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

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										
.15135	41.63 QP	10	0	51.63	65.9	55.9	-	-	-	-
			Margin [dB]:		-14.27	-4.27	-	-	-	-
.1818	41.82 QP	10	0	51.82	64.4	54.4	-	-	-	-
			Margin [dB]:		-12.58	-2.58	-	-	-	-
.21779	41.44 QP	10	0	51.44	62.9	52.9	-	-	-	-
			Margin [dB]:		-11.46	-1.46	-	-	-	-
.25483	42.07 QP	10	0	52.07	61.6	51.6	-	-	-	-
			Margin [dB]:		-9.53	.47	-	-	-	-
.2896	40.28 QP	10	0	50.28	60.5	50.5	-	-	-	-
			Margin [dB]:		-10.22	-.22	-	-	-	-
.33099	39.34 QP	10	0	49.34	59.4	49.4	-	-	-	-
			Margin [dB]:		-10.06	-.06	-	-	-	-
.36955	39.75 QP	10	0	49.75	58.5	48.5	-	-	-	-
			Margin [dB]:		-8.75	1.25	-	-	-	-
.41147	38.19 QP	10	0	48.19	57.6	47.6	-	-	-	-
			Margin [dB]:		-9.41	.59	-	-	-	-
.45076	38.64 QP	10	0	48.64	56.9	46.9	-	-	-	-
			Margin [dB]:		-8.26	1.74	-	-	-	-
.48932	37.84 QP	10	0	47.84	56.2	46.2	-	-	-	-
			Margin [dB]:		-8.36	1.64	-	-	-	-
.50679	37.16 QP	10	0	47.16	56	46	-	-	-	-
			Margin [dB]:		-8.84	1.16	-	-	-	-
.54207	36.08 QP	10	0	46.08	56	46	-	-	-	-
			Margin [dB]:		-9.92	.08	-	-	-	-
.57776	35.37 QP	10	0	45.37	56	46	-	-	-	-
			Margin [dB]:		-10.63	-.63	-	-	-	-
.61838	35.52 QP	10	0	45.52	56	46	-	-	-	-
			Margin [dB]:		-10.48	-.48	-	-	-	-
.65917	34.65 QP	10	0	44.65	56	46	-	-	-	-
			Margin [dB]:		-11.35	-1.35	-	-	-	-
.69298	33.13 QP	10	0	43.13	56	46	-	-	-	-
			Margin [dB]:		-12.87	-2.87	-	-	-	-
.73076	32.04 QP	10	0	42.04	56	46	-	-	-	-
			Margin [dB]:		-13.96	-3.96	-	-	-	-
.7758	31.48 QP	10	0	41.48	56	46	-	-	-	-
			Margin [dB]:		-14.52	-4.52	-	-	-	-
.81361	27.82 QP	10	0	37.82	56	46	-	-	-	-
			Margin [dB]:		-18.18	-8.18	-	-	-	-
.83234	26.88 QP	10	0	36.88	56	46	-	-	-	-
			Margin [dB]:		-19.12	-9.12	-	-	-	-

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

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

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - average log detection
 Av - average detection
 CAV - CISPR average detection

Job Number: 1001310282 File Number: MC16478 Page 19 of 94
Model Number: SeeTemp
Client Name: LUTRON ELECTRONICS INC
FCC ID: JPZ0074 IC Number: 2851A-JPZ0074

RMS - RMS detection
CRMS - CISPR RMS detection

Lutron Electronics
 Temperature Control
 Seetemp Tx 431MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
.94526	20.56 QP	10	0	30.56	56	46	-	-	-	-
			Margin [dB]:		-25.44	-15.44	-	-	-	-
Line - L1 1 - 30MHz										
1.24953	29.19 QP	10.1	0	39.29	56	46	-	-	-	-
			Margin [dB]:		-16.71	-6.71	-	-	-	-
1.47518	32.46 QP	10.1	0	42.56	56	46	-	-	-	-
			Margin [dB]:		-13.44	-3.44	-	-	-	-
1.71383	32.06 QP	10.1	0	42.16	56	46	-	-	-	-
			Margin [dB]:		-13.84	-3.84	-	-	-	-
1.92227	31.5 QP	10.1	0	41.6	56	46	-	-	-	-
			Margin [dB]:		-14.4	-4.4	-	-	-	-
2.09116	28.85 QP	10.1	0	38.95	56	46	-	-	-	-
			Margin [dB]:		-17.05	-7.05	-	-	-	-
2.17835	27.42 QP	10.1	0	37.52	56	46	-	-	-	-
			Margin [dB]:		-18.48	-8.48	-	-	-	-
2.27036	24.96 QP	10.1	0	35.06	56	46	-	-	-	-
			Margin [dB]:		-20.94	-10.94	-	-	-	-
2.54357	24.56 QP	10.1	0	34.66	56	46	-	-	-	-
			Margin [dB]:		-21.34	-11.34	-	-	-	-
2.63033	25.27 QP	10.1	0	35.37	56	46	-	-	-	-
			Margin [dB]:		-20.63	-10.63	-	-	-	-
2.71134	26.65 QP	10.1	0	36.75	56	46	-	-	-	-
			Margin [dB]:		-19.25	-9.25	-	-	-	-
2.81609	27.32 QP	10.1	0	37.42	56	46	-	-	-	-
			Margin [dB]:		-18.58	-8.58	-	-	-	-
2.89693	28.29 QP	10.1	0	38.39	56	46	-	-	-	-
			Margin [dB]:		-17.61	-7.61	-	-	-	-
2.98995	28.27 QP	10.1	0	38.37	56	46	-	-	-	-
			Margin [dB]:		-17.63	-7.63	-	-	-	-
3.07684	28.33 QP	10.1	0	38.43	56	46	-	-	-	-
			Margin [dB]:		-17.57	-7.57	-	-	-	-
3.16947	31.57 QP	10.1	0	41.67	56	46	-	-	-	-
			Margin [dB]:		-14.33	-4.33	-	-	-	-
3.25646	27.08 QP	10.1	0	37.18	56	46	-	-	-	-
			Margin [dB]:		-18.82	-8.82	-	-	-	-
3.34319	29.44 QP	10.1	0	39.54	56	46	-	-	-	-
			Margin [dB]:		-16.46	-6.46	-	-	-	-
3.43623	25.32 QP	10.1	0	35.42	56	46	-	-	-	-
			Margin [dB]:		-20.58	-10.58	-	-	-	-

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

LIMIT 1: FCC Part 15C QPk
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PK - Peak detector
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Lutron Electronics
 Temperature Control
 Seetemp Tx 431MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

Test	Meter	Gain/Loss	Transducer	Level	Limit:1	2	3	4	5	6
Frequency	Reading	Factor	Factor	[dB(uVolts)]						
[MHz]	[dB(uV)]	[dB]	[dB]							
=====										
Line - L1	.15	-	1MHz							
.15135	24.51 Av	10	0	34.51	65.9	55.9	-	-	-	-
			Margin [dB]:		-31.39	-21.39	-	-	-	-
.1818	25.89 Av	10	0	35.89	64.4	54.4	-	-	-	-
			Margin [dB]:		-28.51	-18.51	-	-	-	-
.21779	24.02 Av	10	0	34.02	62.9	52.9	-	-	-	-
			Margin [dB]:		-28.88	-18.88	-	-	-	-
.25483	21.84 Av	10	0	31.84	61.6	51.6	-	-	-	-
			Margin [dB]:		-29.76	-19.76	-	-	-	-
.2896	21.97 Av	10	0	31.97	60.5	50.5	-	-	-	-
			Margin [dB]:		-28.53	-18.53	-	-	-	-
.33099	21.54 Av	10	0	31.54	59.4	49.4	-	-	-	-
			Margin [dB]:		-27.86	-17.86	-	-	-	-
.36955	19.43 Av	10	0	29.43	58.5	48.5	-	-	-	-
			Margin [dB]:		-29.07	-19.07	-	-	-	-
.41147	16.71 Av	10	0	26.71	57.6	47.6	-	-	-	-
			Margin [dB]:		-30.89	-20.89	-	-	-	-
.45076	18.97 Av	10	0	28.97	56.9	46.9	-	-	-	-
			Margin [dB]:		-27.93	-17.93	-	-	-	-
.48932	18.13 Av	10	0	28.13	56.2	46.2	-	-	-	-
			Margin [dB]:		-28.07	-18.07	-	-	-	-
.50679	17.13 Av	10	0	27.13	56	46	-	-	-	-
			Margin [dB]:		-28.87	-18.87	-	-	-	-
.54207	16.03 Av	10	0	26.03	56	46	-	-	-	-
			Margin [dB]:		-29.97	-19.97	-	-	-	-
.57776	16.13 Av	10	0	26.13	56	46	-	-	-	-
			Margin [dB]:		-29.87	-19.87	-	-	-	-
.61838	16.43 Av	10	0	26.43	56	46	-	-	-	-
			Margin [dB]:		-29.57	-19.57	-	-	-	-
.65917	14.44 Av	10	0	24.44	56	46	-	-	-	-
			Margin [dB]:		-31.56	-21.56	-	-	-	-
.69298	15.13 Av	10	0	25.13	56	46	-	-	-	-
			Margin [dB]:		-30.87	-20.87	-	-	-	-
.73076	13.62 Av	10	0	23.62	56	46	-	-	-	-
			Margin [dB]:		-32.38	-22.38	-	-	-	-
.7758	12.57 Av	10	0	22.57	56	46	-	-	-	-
			Margin [dB]:		-33.43	-23.43	-	-	-	-
.81361	10.06 Av	10	0	20.06	56	46	-	-	-	-
			Margin [dB]:		-35.94	-25.94	-	-	-	-
.83234	10.08 Av	10	0	20.08	56	46	-	-	-	-
			Margin [dB]:		-35.92	-25.92	-	-	-	-

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 Seetemp Tx 431MHz
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 B. DeLisi

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level [dB(uVolts)]	Limit:1	2	3	4	5	6
.94526	3.51 Av	10	0	13.51	56	46	-	-	-	-
			Margin [dB]:		-42.49	-32.49	-	-	-	-
Line - L1 1 - 30MHz										
1.24953	10.52 Av	10.1	0	20.62	56	46	-	-	-	-
			Margin [dB]:		-35.38	-25.38	-	-	-	-
1.47518	14.55 Av	10.1	0	24.65	56	46	-	-	-	-
			Margin [dB]:		-31.35	-21.35	-	-	-	-
1.71383	14.45 Av	10.1	0	24.55	56	46	-	-	-	-
			Margin [dB]:		-31.45	-21.45	-	-	-	-
1.92227	13.85 Av	10.1	0	23.95	56	46	-	-	-	-
			Margin [dB]:		-32.05	-22.05	-	-	-	-
2.09116	10.8 Av	10.1	0	20.9	56	46	-	-	-	-
			Margin [dB]:		-35.1	-25.1	-	-	-	-
2.17835	10.24 Av	10.1	0	20.34	56	46	-	-	-	-
			Margin [dB]:		-35.66	-25.66	-	-	-	-
2.27036	7.72 Av	10.1	0	17.82	56	46	-	-	-	-
			Margin [dB]:		-38.18	-28.18	-	-	-	-
2.54357	7.06 Av	10.1	0	17.16	56	46	-	-	-	-
			Margin [dB]:		-38.84	-28.84	-	-	-	-
2.63033	7.66 Av	10.1	0	17.76	56	46	-	-	-	-
			Margin [dB]:		-38.24	-28.24	-	-	-	-
2.71134	10.22 Av	10.1	0	20.32	56	46	-	-	-	-
			Margin [dB]:		-35.68	-25.68	-	-	-	-
2.81609	9.96 Av	10.1	0	20.06	56	46	-	-	-	-
			Margin [dB]:		-35.94	-25.94	-	-	-	-
2.89693	10.19 Av	10.1	0	20.29	56	46	-	-	-	-
			Margin [dB]:		-35.71	-25.71	-	-	-	-
2.98995	10.67 Av	10.1	0	20.77	56	46	-	-	-	-
			Margin [dB]:		-35.23	-25.23	-	-	-	-
3.07684	10.78 Av	10.1	0	20.88	56	46	-	-	-	-
			Margin [dB]:		-35.12	-25.12	-	-	-	-
3.16947	12.82 Av	10.1	0	22.92	56	46	-	-	-	-
			Margin [dB]:		-33.08	-23.08	-	-	-	-
3.25646	10.43 Av	10.1	0	20.53	56	46	-	-	-	-
			Margin [dB]:		-35.47	-25.47	-	-	-	-
3.34319	11.61 Av	10.1	0	21.71	56	46	-	-	-	-
			Margin [dB]:		-34.29	-24.29	-	-	-	-
3.43623	8.24 Av	10.1	0	18.34	56	46	-	-	-	-
			Margin [dB]:		-37.66	-27.66	-	-	-	-

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Lutron Electronics
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 Seetemp Tx 431MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

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	.17942	43.86 PK	10.1	0	53.96	64.5	54.5	-	-	-	-
				Margin [dB]		-10.54	- .54	-	-	-	-
2	.22022	46.18 PK	10.1	0	56.28	62.8	52.8	-	-	-	-
				Margin [dB]		-6.52	3.48	-	-	-	-
3	.26834	49.42 PK	10.1	0	59.52	61.2	51.2	-	-	-	-
				Margin [dB]		-1.68	8.32	-	-	-	-
4	.3066	43.85 PK	10.1	0	53.95	60.1	50.1	-	-	-	-
				Margin [dB]		-6.15	3.85	-	-	-	-
5	.33942	45.07 PK	10	0	55.07	59.2	49.2	-	-	-	-
				Margin [dB]		-4.13	5.87	-	-	-	-
6	.37547	40.89 PK	10.1	0	50.99	58.4	48.4	-	-	-	-
				Margin [dB]		-7.41	2.59	-	-	-	-
7	.41508	43.27 PK	10.1	0	53.37	57.5	47.5	-	-	-	-
				Margin [dB]		-4.13	5.87	-	-	-	-
8	.45453	39.92 PK	10.1	0	50.02	56.8	46.8	-	-	-	-
				Margin [dB]		-6.78	3.22	-	-	-	-
9	.50503	38.25 PK	10.1	0	48.35	56	46	-	-	-	-
				Margin [dB]		-7.65	2.35	-	-	-	-
10	.54448	41.76 PK	10.1	0	51.86	56	46	-	-	-	-
				Margin [dB]		-4.14	5.86	-	-	-	-
11	.58716	41.11 PK	10.1	0	51.21	56	46	-	-	-	-
				Margin [dB]		-4.79	5.21	-	-	-	-
12	.6244	34.72 PK	10.1	0	44.82	56	46	-	-	-	-
				Margin [dB]		-11.18	-1.18	-	-	-	-
13	.6936	35.87 PK	10.1	0	45.97	56	46	-	-	-	-
				Margin [dB]		-10.03	-.03	-	-	-	-
14	.73016	37.91 PK	10.1	0	48.01	56	46	-	-	-	-
				Margin [dB]		-7.99	2.01	-	-	-	-
15	.77284	35.77 PK	10.1	0	45.87	56	46	-	-	-	-
				Margin [dB]		-10.13	-.13	-	-	-	-
16	.8099	35.52 PK	10.1	0	45.62	56	46	-	-	-	-
				Margin [dB]		-10.38	-.38	-	-	-	-
17	.84357	34.77 PK	10.1	0	44.87	56	46	-	-	-	-
				Margin [dB]		-11.13	-1.13	-	-	-	-

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 Seetemp Tx 431MHz
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 B. DeLisi

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 -----											
18	1.33067	35.18 PK	10.1	0	45.28	56	46	-	-	-	-
				Margin [dB]		-10.72	-.72	-	-	-	-
19	1.54531	34.83 PK	10.1	0	44.93	56	46	-	-	-	-
				Margin [dB]		-11.07	-1.07	-	-	-	-
20	1.78316	36.19 PK	10.1	0	46.29	56	46	-	-	-	-
				Margin [dB]		-9.71	.29	-	-	-	-
21	2.0094	31.99 PK	10.1	0	42.09	56	46	-	-	-	-
				Margin [dB]		-13.91	-3.91	-	-	-	-
22	2.12543	30.16 PK	10.1	0	40.26	56	46	-	-	-	-
				Margin [dB]		-15.74	-5.74	-	-	-	-
23	2.21824	29.54 PK	10.1	0	39.64	56	46	-	-	-	-
				Margin [dB]		-16.36	-6.36	-	-	-	-
24	2.30526	28.57 PK	10.2	0	38.77	56	46	-	-	-	-
				Margin [dB]		-17.23	-7.23	-	-	-	-
25	2.66493	29.04 PK	10.2	0	39.24	56	46	-	-	-	-
				Margin [dB]		-16.76	-6.76	-	-	-	-
26	2.75195	29.15 PK	10.2	0	39.35	56	46	-	-	-	-
				Margin [dB]		-16.65	-6.65	-	-	-	-
27	2.83897	29.36 PK	10.2	0	39.56	56	46	-	-	-	-
				Margin [dB]		-16.44	-6.44	-	-	-	-
28	2.93179	32.49 PK	10.2	0	42.69	56	46	-	-	-	-
				Margin [dB]		-13.31	-3.31	-	-	-	-
29	3.0188	32.65 PK	10.2	0	42.85	56	46	-	-	-	-
				Margin [dB]		-13.15	-3.15	-	-	-	-
30	3.10582	29.79 PK	10.2	0	39.99	56	46	-	-	-	-
				Margin [dB]		-16.01	-6.01	-	-	-	-
31	3.20444	30.1 PK	10.2	0	40.3	56	46	-	-	-	-
				Margin [dB]		-15.7	-5.7	-	-	-	-
32	3.29726	31.38 PK	10.2	0	41.58	56	46	-	-	-	-
				Margin [dB]		-14.42	-4.42	-	-	-	-
33	3.38428	29.26 PK	10.2	0	39.46	56	46	-	-	-	-
				Margin [dB]		-16.54	-6.54	-	-	-	-
34	3.55831	32.09 PK	10.2	0	42.29	56	46	-	-	-	-
				Margin [dB]		-13.71	-3.71	-	-	-	-

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Test	Meter	Gain/Loss	Transducer	Level	Limit:1	2	3	4	5	6
Frequency	Reading	Factor	Factor	[dB(uVolts)]						
[MHz]	[dB(uV)]	[dB]	[dB]							
=====										
Neutral	.15	-	1MHz							
.17954	40.81	QP	10.1	0	50.91	64.5	54.5	-	-	-
				Margin [dB]:		-13.59	-3.59	-	-	-
.21996	40.17	QP	10.1	0	50.27	62.8	52.8	-	-	-
				Margin [dB]:		-12.53	-2.53	-	-	-
.2677	42.81	QP	10.1	0	52.91	61.2	51.2	-	-	-
				Margin [dB]:		-8.29	1.71	-	-	-
.30602	39.23	QP	10.1	0	49.33	60.1	50.1	-	-	-
				Margin [dB]:		-10.77	-.77	-	-	-
.33951	39.7	QP	10	0	49.7	59.2	49.2	-	-	-
				Margin [dB]:		-9.5	.5	-	-	-
.37562	38.48	QP	10.1	0	48.58	58.4	48.4	-	-	-
				Margin [dB]:		-9.82	.18	-	-	-
.41533	37.63	QP	10.1	0	47.73	57.5	47.5	-	-	-
				Margin [dB]:		-9.77	.23	-	-	-
.45441	38.24	QP	10.1	0	48.34	56.8	46.8	-	-	-
				Margin [dB]:		-8.46	1.54	-	-	-
.50491	36.61	QP	10.1	0	46.71	56	46	-	-	-
				Margin [dB]:		-9.29	.71	-	-	-
.54429	35.17	QP	10.1	0	45.27	56	46	-	-	-
				Margin [dB]:		-10.73	-.73	-	-	-
.58742	35.75	QP	10.1	0	45.85	56	46	-	-	-
				Margin [dB]:		-10.15	-.15	-	-	-
.62435	33.48	QP	10.1	0	43.58	56	46	-	-	-
				Margin [dB]:		-12.42	-2.42	-	-	-
.69333	32.19	QP	10.1	0	42.29	56	46	-	-	-
				Margin [dB]:		-13.71	-3.71	-	-	-
.72994	31.74	QP	10.1	0	41.84	56	46	-	-	-
				Margin [dB]:		-14.16	-4.16	-	-	-
.77274	31.27	QP	10.1	0	41.37	56	46	-	-	-
				Margin [dB]:		-14.63	-4.63	-	-	-
.80935	28.5	QP	10.1	0	38.6	56	46	-	-	-
				Margin [dB]:		-17.4	-7.4	-	-	-
.84343	26.39	QP	10.1	0	36.49	56	46	-	-	-
				Margin [dB]:		-19.51	-9.51	-	-	-

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Test	Meter	Gain/Loss	Transducer	Level	Limit:1	2	3	4	5	6
Frequency	Reading	Factor	Factor	[dB(uVolts)]						
[MHz]	[dB(uV)]	[dB]	[dB]							
=====										
Neutral 1 - 30MHz										
1.33062	30.2 QP	10.1	0	40.3	56	46	-	-	-	-
			Margin [dB]:		-15.7	-5.7	-	-	-	-
1.54557	32.16 QP	10.1	0	42.26	56	46	-	-	-	-
			Margin [dB]:		-13.74	-3.74	-	-	-	-
1.78344	32.14 QP	10.1	0	42.24	56	46	-	-	-	-
			Margin [dB]:		-13.76	-3.76	-	-	-	-
2.00943	29.27 QP	10.1	0	39.37	56	46	-	-	-	-
			Margin [dB]:		-16.63	-6.63	-	-	-	-
2.1255	27.78 QP	10.1	0	37.88	56	46	-	-	-	-
			Margin [dB]:		-18.12	-8.12	-	-	-	-
2.21852	25.85 QP	10.1	0	35.95	56	46	-	-	-	-
			Margin [dB]:		-20.05	-10.05	-	-	-	-
2.30536	24.54 QP	10.2	0	34.74	56	46	-	-	-	-
			Margin [dB]:		-21.26	-11.26	-	-	-	-
2.66476	25.89 QP	10.2	0	36.09	56	46	-	-	-	-
			Margin [dB]:		-19.91	-9.91	-	-	-	-
2.75217	26.92 QP	10.2	0	37.12	56	46	-	-	-	-
			Margin [dB]:		-18.88	-8.88	-	-	-	-
2.83876	27.5 QP	10.2	0	37.7	56	46	-	-	-	-
			Margin [dB]:		-18.3	-8.3	-	-	-	-
2.93135	27.95 QP	10.2	0	38.15	56	46	-	-	-	-
			Margin [dB]:		-17.85	-7.85	-	-	-	-
3.01884	28.45 QP	10.2	0	38.65	56	46	-	-	-	-
			Margin [dB]:		-17.35	-7.35	-	-	-	-
3.10583	28.17 QP	10.2	0	38.37	56	46	-	-	-	-
			Margin [dB]:		-17.63	-7.63	-	-	-	-
3.20416	27.77 QP	10.2	0	37.97	56	46	-	-	-	-
			Margin [dB]:		-18.03	-8.03	-	-	-	-
3.29698	26.37 QP	10.2	0	36.57	56	46	-	-	-	-
			Margin [dB]:		-19.43	-9.43	-	-	-	-
3.38417	25.46 QP	10.2	0	35.66	56	46	-	-	-	-
			Margin [dB]:		-20.34	-10.34	-	-	-	-
3.55779	22.57 QP	10.2	0	32.77	56	46	-	-	-	-
			Margin [dB]:		-23.23	-13.23	-	-	-	-

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

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

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - average log detection
 Av - average detection
 CAV - CISPR average detection
 RMS - RMS detection
 CRMS - CISPR RMS detection

Lutron Electronics
 Temperature Control
 Seetemp Tx 431MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

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										
.17954	24.99 Av	10.1	0	35.09	64.5	54.5	-	-	-	-
			Margin [dB]:		-29.41	-19.41	-	-	-	-
.21996	22.38 Av	10.1	0	32.48	62.8	52.8	-	-	-	-
			Margin [dB]:		-30.32	-20.32	-	-	-	-
.2677	25.74 Av	10.1	0	35.84	61.2	51.2	-	-	-	-
			Margin [dB]:		-25.36	-15.36	-	-	-	-
.30602	20.68 Av	10.1	0	30.78	60.1	50.1	-	-	-	-
			Margin [dB]:		-29.32	-19.32	-	-	-	-
.33951	21.1 Av	10	0	31.1	59.2	49.2	-	-	-	-
			Margin [dB]:		-28.1	-18.1	-	-	-	-
.37562	17.99 Av	10.1	0	28.09	58.4	48.4	-	-	-	-
			Margin [dB]:		-30.31	-20.31	-	-	-	-
.41533	17.09 Av	10.1	0	27.19	57.5	47.5	-	-	-	-
			Margin [dB]:		-30.31	-20.31	-	-	-	-
.45441	18.56 Av	10.1	0	28.66	56.8	46.8	-	-	-	-
			Margin [dB]:		-28.14	-18.14	-	-	-	-
.50491	16.32 Av	10.1	0	26.42	56	46	-	-	-	-
			Margin [dB]:		-29.58	-19.58	-	-	-	-
.54429	14.97 Av	10.1	0	25.07	56	46	-	-	-	-
			Margin [dB]:		-30.93	-20.93	-	-	-	-
.58742	16.96 Av	10.1	0	27.06	56	46	-	-	-	-
			Margin [dB]:		-28.94	-18.94	-	-	-	-
.62435	14.38 Av	10.1	0	24.48	56	46	-	-	-	-
			Margin [dB]:		-31.52	-21.52	-	-	-	-
.69333	14.47 Av	10.1	0	24.57	56	46	-	-	-	-
			Margin [dB]:		-31.43	-21.43	-	-	-	-
.72994	13.2 Av	10.1	0	23.3	56	46	-	-	-	-
			Margin [dB]:		-32.7	-22.7	-	-	-	-
.77274	12.22 Av	10.1	0	22.32	56	46	-	-	-	-
			Margin [dB]:		-33.68	-23.68	-	-	-	-
.80935	9.85 Av	10.1	0	19.95	56	46	-	-	-	-
			Margin [dB]:		-36.05	-26.05	-	-	-	-
.84343	8.27 Av	10.1	0	18.37	56	46	-	-	-	-
			Margin [dB]:		-37.63	-27.63	-	-	-	-

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

LIMIT 1: FCC Part 15C QPk
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Lutron Electronics
 Temperature Control
 Seetemp Tx 431MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

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										
1.33062	11.82 Av	10.1	0	21.92	56	46	-	-	-	-
			Margin [dB]:		-34.08	-24.08	-	-	-	-
1.54557	13.63 Av	10.1	0	23.73	56	46	-	-	-	-
			Margin [dB]:		-32.27	-22.27	-	-	-	-
1.78344	13.62 Av	10.1	0	23.72	56	46	-	-	-	-
			Margin [dB]:		-32.28	-22.28	-	-	-	-
2.00943	11.77 Av	10.1	0	21.87	56	46	-	-	-	-
			Margin [dB]:		-34.13	-24.13	-	-	-	-
2.1255	9.97 Av	10.1	0	20.07	56	46	-	-	-	-
			Margin [dB]:		-35.93	-25.93	-	-	-	-
2.21852	8.22 Av	10.1	0	18.32	56	46	-	-	-	-
			Margin [dB]:		-37.68	-27.68	-	-	-	-
2.30536	6.82 Av	10.2	0	17.02	56	46	-	-	-	-
			Margin [dB]:		-38.98	-28.98	-	-	-	-
2.66476	8.37 Av	10.2	0	18.57	56	46	-	-	-	-
			Margin [dB]:		-37.43	-27.43	-	-	-	-
2.75217	9.15 Av	10.2	0	19.35	56	46	-	-	-	-
			Margin [dB]:		-36.65	-26.65	-	-	-	-
2.83876	9.78 Av	10.2	0	19.98	56	46	-	-	-	-
			Margin [dB]:		-36.02	-26.02	-	-	-	-
2.93135	10.34 Av	10.2	0	20.54	56	46	-	-	-	-
			Margin [dB]:		-35.46	-25.46	-	-	-	-
3.01884	10.5 Av	10.2	0	20.7	56	46	-	-	-	-
			Margin [dB]:		-35.3	-25.3	-	-	-	-
3.10583	10.56 Av	10.2	0	20.76	56	46	-	-	-	-
			Margin [dB]:		-35.24	-25.24	-	-	-	-
3.20416	10.23 Av	10.2	0	20.43	56	46	-	-	-	-
			Margin [dB]:		-35.57	-25.57	-	-	-	-
3.29698	8.91 Av	10.2	0	19.11	56	46	-	-	-	-
			Margin [dB]:		-36.89	-26.89	-	-	-	-
3.38417	8.5 Av	10.2	0	18.7	56	46	-	-	-	-
			Margin [dB]:		-37.3	-27.3	-	-	-	-
3.55779	5.47 Av	10.2	0	15.67	56	46	-	-	-	-
			Margin [dB]:		-40.33	-30.33	-	-	-	-

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

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

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - average log detection
 Av - average detection
 CAV - CISPR average detection
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Figure 3 Conducted Emissions Graph – TX 437MHz

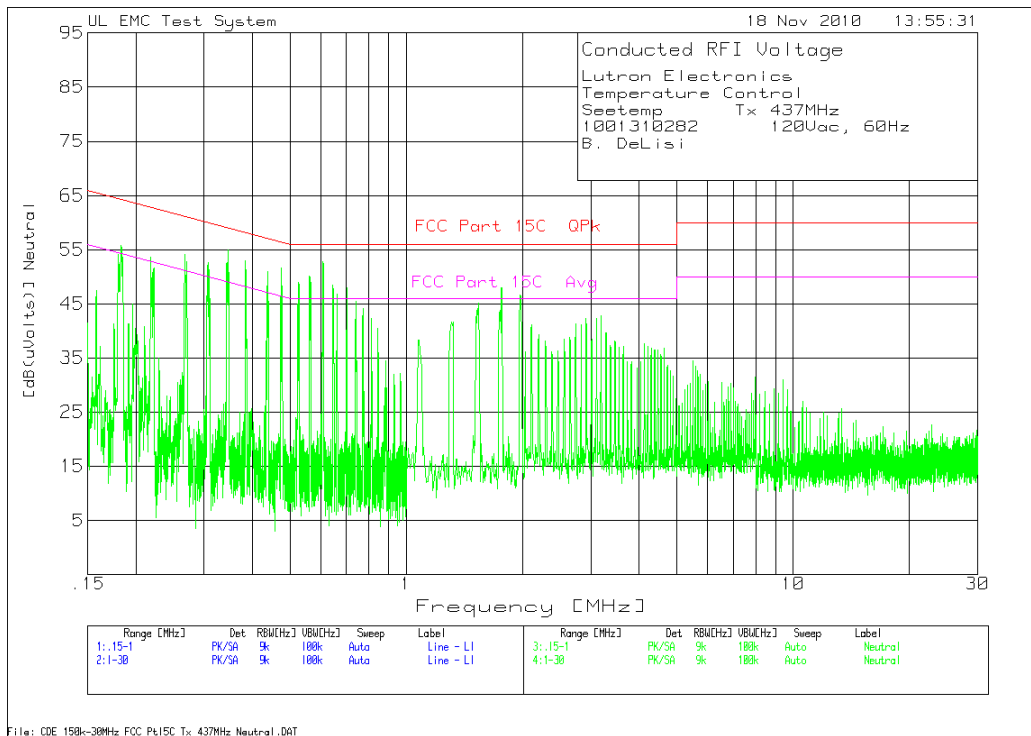
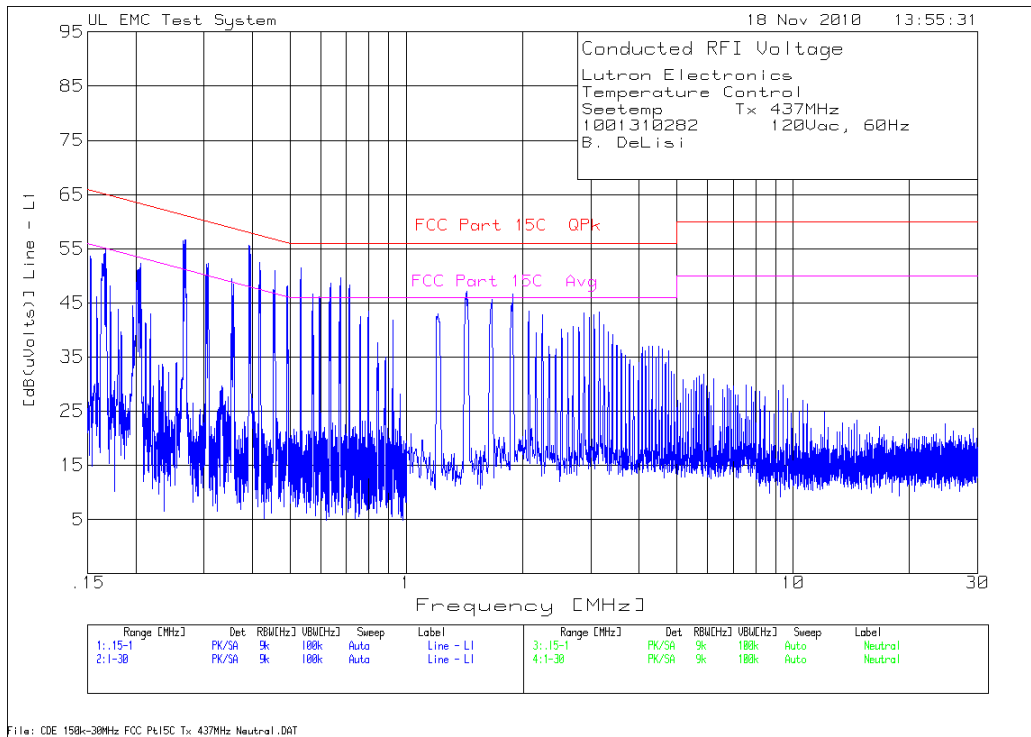


Table 4 Conducted Emissions Data Points – TX 437Mhz

Lutron Electronics
 Temperature Control
 Seetemp Tx 437MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

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	.15255	43.65 PK	10	0	53.65	65.9	55.9	-	-	-	-		
				Margin [dB]		-12.25	-2.25	-	-	-	-		
2	.16632	44.84 PK	10	0	54.84	65.1	55.1	-	-	-	-		
				Margin [dB]		-10.26	-.26	-	-	-	-		
3	.20577	42.2 PK	10	0	52.2	63.4	53.4	-	-	-	-		
				Margin [dB]		-11.2	-1.2	-	-	-	-		
4	.268	46.63 PK	10	0	56.63	61.2	51.2	-	-	-	-		
				Margin [dB]		-4.57	5.43	-	-	-	-		
5	.30745	42.2 PK	10	0	52.2	60	50	-	-	-	-		
				Margin [dB]		-7.8	2.2	-	-	-	-		
6	.35353	39.46 PK	10	0	49.46	58.9	48.9	-	-	-	-		
				Margin [dB]		-9.44	.56	-	-	-	-		
7	.39417	45.5 PK	10	0	55.5	58	48	-	-	-	-		
				Margin [dB]		-2.5	7.5	-	-	-	-		
8	.41823	41.65 PK	10	0	51.65	57.5	47.5	-	-	-	-		
				Margin [dB]		-5.85	4.15	-	-	-	-		
9	.45691	40.92 PK	10	0	50.92	56.7	46.7	-	-	-	-		
				Margin [dB]		-5.78	4.22	-	-	-	-		
10	.49194	38.19 PK	10	0	48.19	56.1	46.1	-	-	-	-		
				Margin [dB]		-7.91	2.09	-	-	-	-		
11	.53326	41.41 PK	10	0	51.41	56	46	-	-	-	-		
				Margin [dB]		-4.59	5.41	-	-	-	-		
12	.57236	36.55 PK	10	0	46.55	56	46	-	-	-	-		
				Margin [dB]		-9.45	.55	-	-	-	-		
13	.59413	36.18 PK	10	0	46.18	56	46	-	-	-	-		
				Margin [dB]		-9.82	.18	-	-	-	-		
14	.63664	38.67 PK	10	0	48.67	56	46	-	-	-	-		
				Margin [dB]		-7.33	2.67	-	-	-	-		
15	.67524	39.67 PK	10	0	49.67	56	46	-	-	-	-		
				Margin [dB]		-6.33	3.67	-	-	-	-		
16	.71179	38.22 PK	10	0	48.22	56	46	-	-	-	-		
				Margin [dB]		-7.78	2.22	-	-	-	-		
17	.76144	32.45 PK	10	0	42.45	56	46	-	-	-	-		
				Margin [dB]		-13.55	-3.55	-	-	-	-		
18	.79851	33.38 PK	10	0	43.38	56	46	-	-	-	-		
				Margin [dB]		-12.62	-2.62	-	-	-	-		
19	.92229	31.84 PK	10	0	41.84	56	46	-	-	-	-		
				Margin [dB]		-14.16	-4.16	-	-	-	-		

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

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Lutron Electronics
 Temperature Control
 Seetemp Tx 437MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

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 1 - 30MHz	-----										
20	1.20884	32.8 PK	10.1	0	42.9	56	46	-	-	-	-
				Margin [dB]		-13.1	-3.1	-	-	-	-
21	1.43509	37.09 PK	10.1	0	47.19	56	46	-	-	-	-
				Margin [dB]		-8.81	1.19	-	-	-	-
22	1.66133	35.47 PK	10.1	0	45.57	56	46	-	-	-	-
				Margin [dB]		-10.43	-4.43	-	-	-	-
23	1.88178	36.55 PK	10.1	0	46.65	56	46	-	-	-	-
				Margin [dB]		-9.35	.65	-	-	-	-
24	2.07322	33.41 PK	10.1	0	43.51	56	46	-	-	-	-
				Margin [dB]		-12.49	-2.49	-	-	-	-
25	2.16603	29.36 PK	10.1	0	39.46	56	46	-	-	-	-
				Margin [dB]		-16.54	-6.54	-	-	-	-
26	2.24725	32.66 PK	10.1	0	42.76	56	46	-	-	-	-
				Margin [dB]		-13.24	-3.24	-	-	-	-
27	2.5199	30.02 PK	10.1	0	40.12	56	46	-	-	-	-
				Margin [dB]		-15.88	-5.88	-	-	-	-
28	2.61272	29.34 PK	10.1	0	39.44	56	46	-	-	-	-
				Margin [dB]		-16.56	-6.56	-	-	-	-
29	2.69974	30.52 PK	10.1	0	40.62	56	46	-	-	-	-
				Margin [dB]		-15.38	-5.38	-	-	-	-
30	2.78676	30.24 PK	10.1	0	40.34	56	46	-	-	-	-
				Margin [dB]		-15.66	-5.66	-	-	-	-
31	2.87958	33.04 PK	10.1	0	43.14	56	46	-	-	-	-
				Margin [dB]		-12.86	-2.86	-	-	-	-
32	2.97239	31.81 PK	10.1	0	41.91	56	46	-	-	-	-
				Margin [dB]		-14.09	-4.09	-	-	-	-
33	3.05941	32.74 PK	10.1	0	42.84	56	46	-	-	-	-
				Margin [dB]		-13.16	-3.16	-	-	-	-
34	3.14643	33.11 PK	10.1	0	43.21	56	46	-	-	-	-
				Margin [dB]		-12.79	-2.79	-	-	-	-
35	3.24505	30.8 PK	10.1	0	40.9	56	46	-	-	-	-
				Margin [dB]		-15.1	-5.1	-	-	-	-
36	3.33207	28.77 PK	10.1	0	38.87	56	46	-	-	-	-
				Margin [dB]		-17.13	-7.13	-	-	-	-
37	3.41908	27.75 PK	10.1	0	37.85	56	46	-	-	-	-
				Margin [dB]		-18.15	-8.15	-	-	-	-

LIMIT 1: FCC Part 15C QPk
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Lutron Electronics
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 1001310282 120Vac, 60Hz
 B. DeLisi

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										
.15307	41.17 QP	10	0	51.17	65.8	55.8	-	-	-	-
			Margin [dB]:		-14.63	-4.63	-	-	-	-
.16664	40.69 QP	10	0	50.69	65.1	55.1	-	-	-	-
			Margin [dB]:		-14.41	-4.41	-	-	-	-
.20531	41.03 QP	10	0	51.03	63.4	53.4	-	-	-	-
			Margin [dB]:		-12.37	-2.37	-	-	-	-
.2673	43.43 QP	10	0	53.43	61.2	51.2	-	-	-	-
			Margin [dB]:		-7.77	2.23	-	-	-	-
.30761	39.72 QP	10	0	49.72	60	50	-	-	-	-
			Margin [dB]:		-10.28	-.28	-	-	-	-
.35354	39.07 QP	10	0	49.07	58.9	48.9	-	-	-	-
			Margin [dB]:		-9.83	.17	-	-	-	-
.39488	40.86 QP	10	0	50.86	58	48	-	-	-	-
			Margin [dB]:		-7.14	2.86	-	-	-	-
.41862	38.53 QP	10	0	48.53	57.5	47.5	-	-	-	-
			Margin [dB]:		-8.97	1.03	-	-	-	-
.45696	38.13 QP	10	0	48.13	56.7	46.7	-	-	-	-
			Margin [dB]:		-8.57	1.43	-	-	-	-
.49205	37.63 QP	10	0	47.63	56.1	46.1	-	-	-	-
			Margin [dB]:		-8.47	1.53	-	-	-	-
.53275	38.26 QP	10	0	48.26	56	46	-	-	-	-
			Margin [dB]:		-7.74	2.26	-	-	-	-
.57267	35.17 QP	10	0	45.17	56	46	-	-	-	-
			Margin [dB]:		-10.83	-.83	-	-	-	-
.59468	35.7 QP	10	0	45.7	56	46	-	-	-	-
			Margin [dB]:		-10.3	-.3	-	-	-	-
.63721	34.21 QP	10	0	44.21	56	46	-	-	-	-
			Margin [dB]:		-11.79	-1.79	-	-	-	-
.67468	33.56 QP	10	0	43.56	56	46	-	-	-	-
			Margin [dB]:		-12.44	-2.44	-	-	-	-
.71141	31.36 QP	10	0	41.36	56	46	-	-	-	-
			Margin [dB]:		-14.64	-4.64	-	-	-	-
.76181	29.41 QP	10	0	39.41	56	46	-	-	-	-
			Margin [dB]:		-16.59	-6.59	-	-	-	-
.79818	28.41 QP	10	0	38.41	56	46	-	-	-	-
			Margin [dB]:		-17.59	-7.59	-	-	-	-
.92198	21.78 QP	10	0	31.78	56	46	-	-	-	-
			Margin [dB]:		-24.22	-14.22	-	-	-	-

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

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Lutron Electronics
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 Seetemp Tx 437MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

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 1 - 30MHz										
1.20892	28.68 QP	10.1	0	38.78	56	46	-	-	-	-
			Margin [dB]:		-17.22	-7.22	-	-	-	-
1.4349	30.96 QP	10.1	0	41.06	56	46	-	-	-	-
			Margin [dB]:		-14.94	-4.94	-	-	-	-
1.66171	32.64 QP	10.1	0	42.74	56	46	-	-	-	-
			Margin [dB]:		-13.26	-3.26	-	-	-	-
1.88243	31.41 QP	10.1	0	41.51	56	46	-	-	-	-
			Margin [dB]:		-14.49	-4.49	-	-	-	-
2.07291	29.15 QP	10.1	0	39.25	56	46	-	-	-	-
			Margin [dB]:		-16.75	-6.75	-	-	-	-
2.16645	26.63 QP	10.1	0	36.73	56	46	-	-	-	-
			Margin [dB]:		-19.27	-9.27	-	-	-	-
2.24748	25.39 QP	10.1	0	35.49	56	46	-	-	-	-
			Margin [dB]:		-20.51	-10.51	-	-	-	-
2.51971	23.89 QP	10.1	0	33.99	56	46	-	-	-	-
			Margin [dB]:		-22.01	-12.01	-	-	-	-
2.61295	25.56 QP	10.1	0	35.66	56	46	-	-	-	-
			Margin [dB]:		-20.34	-10.34	-	-	-	-
2.69979	26.1 QP	10.1	0	36.2	56	46	-	-	-	-
			Margin [dB]:		-19.8	-9.8	-	-	-	-
2.78699	27.36 QP	10.1	0	37.46	56	46	-	-	-	-
			Margin [dB]:		-18.54	-8.54	-	-	-	-
2.88006	27.97 QP	10.1	0	38.07	56	46	-	-	-	-
			Margin [dB]:		-17.93	-7.93	-	-	-	-
2.9721	28.3 QP	10.1	0	38.4	56	46	-	-	-	-
			Margin [dB]:		-17.6	-7.6	-	-	-	-
3.05935	28.29 QP	10.1	0	38.39	56	46	-	-	-	-
			Margin [dB]:		-17.61	-7.61	-	-	-	-
3.14623	28.38 QP	10.1	0	38.48	56	46	-	-	-	-
			Margin [dB]:		-17.52	-7.52	-	-	-	-
3.24507	27.14 QP	10.1	0	37.24	56	46	-	-	-	-
			Margin [dB]:		-18.76	-8.76	-	-	-	-
3.33159	26.63 QP	10.1	0	36.73	56	46	-	-	-	-
			Margin [dB]:		-19.27	-9.27	-	-	-	-
3.41911	25.61 QP	10.1	0	35.71	56	46	-	-	-	-
			Margin [dB]:		-20.29	-10.29	-	-	-	-

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

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

PK - Peak detector
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Lutron Electronics
 Temperature Control
 Seetemp Tx 437MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

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										
.15307	25.62 Av	10	0	35.62	65.8	55.8	-	-	-	-
			Margin [dB]:		-30.18	-20.18	-	-	-	-
.16664	24.83 Av	10	0	34.83	65.1	55.1	-	-	-	-
			Margin [dB]:		-30.27	-20.27	-	-	-	-
.20531	25.2 Av	10	0	35.2	63.4	53.4	-	-	-	-
			Margin [dB]:		-28.2	-18.2	-	-	-	-
.2673	26.56 Av	10	0	36.56	61.2	51.2	-	-	-	-
			Margin [dB]:		-24.64	-14.64	-	-	-	-
.30761	19.98 Av	10	0	29.98	60	50	-	-	-	-
			Margin [dB]:		-30.02	-20.02	-	-	-	-
.35354	18.78 Av	10	0	28.78	58.9	48.9	-	-	-	-
			Margin [dB]:		-30.12	-20.12	-	-	-	-
.39488	20.83 Av	10	0	30.83	58	48	-	-	-	-
			Margin [dB]:		-27.17	-17.17	-	-	-	-
.41862	18.27 Av	10	0	28.27	57.5	47.5	-	-	-	-
			Margin [dB]:		-29.23	-19.23	-	-	-	-
.45696	18.18 Av	10	0	28.18	56.7	46.7	-	-	-	-
			Margin [dB]:		-28.52	-18.52	-	-	-	-
.49205	17.46 Av	10	0	27.46	56.1	46.1	-	-	-	-
			Margin [dB]:		-28.64	-18.64	-	-	-	-
.53275	17.58 Av	10	0	27.58	56	46	-	-	-	-
			Margin [dB]:		-28.42	-18.42	-	-	-	-
.57267	15.91 Av	10	0	25.91	56	46	-	-	-	-
			Margin [dB]:		-30.09	-20.09	-	-	-	-
.59468	16.55 Av	10	0	26.55	56	46	-	-	-	-
			Margin [dB]:		-29.45	-19.45	-	-	-	-
.63721	14.4 Av	10	0	24.4	56	46	-	-	-	-
			Margin [dB]:		-31.6	-21.6	-	-	-	-
.67468	13.96 Av	10	0	23.96	56	46	-	-	-	-
			Margin [dB]:		-32.04	-22.04	-	-	-	-
.71141	13.15 Av	10	0	23.15	56	46	-	-	-	-
			Margin [dB]:		-32.85	-22.85	-	-	-	-
.76181	10.99 Av	10	0	20.99	56	46	-	-	-	-
			Margin [dB]:		-35.01	-25.01	-	-	-	-
.79818	11.4 Av	10	0	21.4	56	46	-	-	-	-
			Margin [dB]:		-34.6	-24.6	-	-	-	-
.92198	7.21 Av	10	0	17.21	56	46	-	-	-	-
			Margin [dB]:		-38.79	-28.79	-	-	-	-

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LIMIT 1: FCC Part 15C QPk
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 B. DeLisi

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 1 - 30MHz										
1.20892	9.92 Av	10.1	0	20.02	56	46	-	-	-	-
			Margin [dB]:		-35.98	-25.98	-	-	-	-
1.4349	12.49 Av	10.1	0	22.59	56	46	-	-	-	-
			Margin [dB]:		-33.41	-23.41	-	-	-	-
1.66171	13.83 Av	10.1	0	23.93	56	46	-	-	-	-
			Margin [dB]:		-32.07	-22.07	-	-	-	-
1.88243	14 Av	10.1	0	24.1	56	46	-	-	-	-
			Margin [dB]:		-31.9	-21.9	-	-	-	-
2.07291	11.64 Av	10.1	0	21.74	56	46	-	-	-	-
			Margin [dB]:		-34.26	-24.26	-	-	-	-
2.16645	9.05 Av	10.1	0	19.15	56	46	-	-	-	-
			Margin [dB]:		-36.85	-26.85	-	-	-	-
2.24748	8.19 Av	10.1	0	18.29	56	46	-	-	-	-
			Margin [dB]:		-37.71	-27.71	-	-	-	-
2.51971	5.8 Av	10.1	0	15.9	56	46	-	-	-	-
			Margin [dB]:		-40.1	-30.1	-	-	-	-
2.61295	7.69 Av	10.1	0	17.79	56	46	-	-	-	-
			Margin [dB]:		-38.21	-28.21	-	-	-	-
2.69979	8.52 Av	10.1	0	18.62	56	46	-	-	-	-
			Margin [dB]:		-37.38	-27.38	-	-	-	-
2.78699	9.26 Av	10.1	0	19.36	56	46	-	-	-	-
			Margin [dB]:		-36.64	-26.64	-	-	-	-
2.88006	10.1 Av	10.1	0	20.2	56	46	-	-	-	-
			Margin [dB]:		-35.8	-25.8	-	-	-	-
2.9721	11.95 Av	10.1	0	22.05	56	46	-	-	-	-
			Margin [dB]:		-33.95	-23.95	-	-	-	-
3.05935	10.35 Av	10.1	0	20.45	56	46	-	-	-	-
			Margin [dB]:		-35.55	-25.55	-	-	-	-
3.14623	10.61 Av	10.1	0	20.71	56	46	-	-	-	-
			Margin [dB]:		-35.29	-25.29	-	-	-	-
3.24507	9.89 Av	10.1	0	19.99	56	46	-	-	-	-
			Margin [dB]:		-36.01	-26.01	-	-	-	-
3.33159	9.31 Av	10.1	0	19.41	56	46	-	-	-	-
			Margin [dB]:		-36.59	-26.59	-	-	-	-
3.41911	8 Av	10.1	0	18.1	56	46	-	-	-	-
			Margin [dB]:		-37.9	-27.9	-	-	-	-

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LIMIT 1: FCC Part 15C QPk
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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	.18299	45.72 PK	10	0	55.72	64.3	54.3	-	-	-	-
				Margin [dB]		-8.58	1.42	-	-	-	-
2	.21818	43.47 PK	10.1	0	53.57	62.9	52.9	-	-	-	-
				Margin [dB]		-9.33	.67	-	-	-	-
3	.26715	44.07 PK	10.1	0	54.17	61.2	51.2	-	-	-	-
				Margin [dB]		-7.03	2.97	-	-	-	-
4	.30779	42.57 PK	10.1	0	52.67	60	50	-	-	-	-
				Margin [dB]		-7.33	2.67	-	-	-	-
5	.34605	44.92 PK	10.1	0	55.02	59.1	49.1	-	-	-	-
				Margin [dB]		-4.08	5.92	-	-	-	-
6	.3838	42.78 PK	10.1	0	52.88	58.2	48.2	-	-	-	-
				Margin [dB]		-5.32	4.68	-	-	-	-
7	.4377	40.13 PK	10.1	0	50.23	57.1	47.1	-	-	-	-
				Margin [dB]		-6.87	3.13	-	-	-	-
8	.47545	41.45 PK	10.1	0	51.55	56.4	46.4	-	-	-	-
				Margin [dB]		-4.85	5.15	-	-	-	-
9	.52493	38.92 PK	10.1	0	49.02	56	46	-	-	-	-
				Margin [dB]		-6.98	3.02	-	-	-	-
10	.56148	39.95 PK	10.1	0	50.05	56	46	-	-	-	-
				Margin [dB]		-5.95	4.05	-	-	-	-
11	.60909	42.68 PK	10.1	0	52.78	56	46	-	-	-	-
				Margin [dB]		-3.22	6.78	-	-	-	-
12	.64548	38.33 PK	10.1	0	48.43	56	46	-	-	-	-
				Margin [dB]		-7.57	2.43	-	-	-	-
13	.66129	36.69 PK	10.1	0	46.79	56	46	-	-	-	-
				Margin [dB]		-9.21	.79	-	-	-	-
14	.70244	37.93 PK	10.1	0	48.03	56	46	-	-	-	-
				Margin [dB]		-7.97	2.03	-	-	-	-
15	.73951	35.33 PK	10.1	0	45.43	56	46	-	-	-	-
				Margin [dB]		-10.57	-.57	-	-	-	-
16	.77181	34.09 PK	10.1	0	44.19	56	46	-	-	-	-
				Margin [dB]		-11.81	-1.81	-	-	-	-
17	.81194	32.26 PK	10.1	0	42.36	56	46	-	-	-	-
				Margin [dB]		-13.64	-3.64	-	-	-	-

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 Seetemp Tx 437MHz
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 B. DeLisi

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 -----											
18	1.30746	31.51 PK	10.1	0	41.61	56	46	-	-	-	-
				Margin [dB]							
19	1.53951	35.09 PK	10.1	0	45.19	56	46	-	-	-	-
				Margin [dB]							
20	1.76575	37.91 PK	10.1	0	48.01	56	46	-	-	-	-
				Margin [dB]							
21	1.96879	36.44 PK	10.1	0	46.54	56	46	-	-	-	-
				Margin [dB]							
22	2.11382	28.85 PK	10.1	0	38.95	56	46	-	-	-	-
				Margin [dB]							
23	2.20664	24.39 PK	10.1	0	34.49	56	46	-	-	-	-
				Margin [dB]							
24	2.64753	28.61 PK	10.2	0	38.81	56	46	-	-	-	-
				Margin [dB]							
25	2.74035	30.22 PK	10.2	0	40.42	56	46	-	-	-	-
				Margin [dB]							
26	2.83317	30.96 PK	10.2	0	41.16	56	46	-	-	-	-
				Margin [dB]							
27	2.92599	29.57 PK	10.2	0	39.77	56	46	-	-	-	-
				Margin [dB]							
28	3.09422	28.98 PK	10.2	0	39.18	56	46	-	-	-	-
				Margin [dB]							
29	3.18704	32.66 PK	10.2	0	42.86	56	46	-	-	-	-
				Margin [dB]							
30	3.27986	27.95 PK	10.2	0	38.15	56	46	-	-	-	-
				Margin [dB]							

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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									
.183	40.76 QP	10	0	50.76	64.3	54.3	-	-	-
			Margin [dB]:		-13.54	-3.54	-	-	-
.21776	40.34 QP	10.1	0	50.44	62.9	52.9	-	-	-
			Margin [dB]:		-12.46	-2.46	-	-	-
.26662	42.9 QP	10.1	0	53	61.2	51.2	-	-	-
			Margin [dB]:		-8.2	1.8	-	-	-
.30774	39.44 QP	10.1	0	49.54	60	50	-	-	-
			Margin [dB]:		-10.46	-.46	-	-	-
.34585	40.11 QP	10.1	0	50.21	59.1	49.1	-	-	-
			Margin [dB]:		-8.89	1.11	-	-	-
.38363	39.75 QP	10.1	0	49.85	58.2	48.2	-	-	-
			Margin [dB]:		-8.35	1.65	-	-	-
.43793	37.5 QP	10.1	0	47.6	57.1	47.1	-	-	-
			Margin [dB]:		-9.5	.5	-	-	-
.47515	37.96 QP	10.1	0	48.06	56.4	46.4	-	-	-
			Margin [dB]:		-8.34	1.66	-	-	-
.52519	37.73 QP	10.1	0	47.83	56	46	-	-	-
			Margin [dB]:		-8.17	1.83	-	-	-
.56156	36.17 QP	10.1	0	46.27	56	46	-	-	-
			Margin [dB]:		-9.73	.27	-	-	-
.60973	35.11 QP	10.1	0	45.21	56	46	-	-	-
			Margin [dB]:		-10.79	-.79	-	-	-
.64543	35.93 QP	10.1	0	46.03	56	46	-	-	-
			Margin [dB]:		-9.97	.03	-	-	-
.66144	33.68 QP	10.1	0	43.78	56	46	-	-	-
			Margin [dB]:		-12.22	-2.22	-	-	-
.70203	31.61 QP	10.1	0	41.71	56	46	-	-	-
			Margin [dB]:		-14.29	-4.29	-	-	-
.73947	31.01 QP	10.1	0	41.11	56	46	-	-	-
			Margin [dB]:		-14.89	-4.89	-	-	-
.77176	30.54 QP	10.1	0	40.64	56	46	-	-	-
			Margin [dB]:		-15.36	-5.36	-	-	-
.81206	27.67 QP	10.1	0	37.77	56	46	-	-	-
			Margin [dB]:		-18.23	-8.23	-	-	-

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 B. DeLisi

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										
1.30752	29.54 QP	10.1	0	39.64	56	46	-	-	-	-
			Margin [dB]:		-16.36	-6.36	-	-	-	-
1.53936	32.28 QP	10.1	0	42.38	56	46	-	-	-	-
			Margin [dB]:		-13.62	-3.62	-	-	-	-
1.76622	31.77 QP	10.1	0	41.87	56	46	-	-	-	-
			Margin [dB]:		-14.13	-4.13	-	-	-	-
1.96877	30.3 QP	10.1	0	40.4	56	46	-	-	-	-
			Margin [dB]:		-15.6	-5.6	-	-	-	-
2.11402	27.8 QP	10.1	0	37.9	56	46	-	-	-	-
			Margin [dB]:		-18.1	-8.1	-	-	-	-
2.20695	26.56 QP	10.1	0	36.66	56	46	-	-	-	-
			Margin [dB]:		-19.34	-9.34	-	-	-	-
2.64778	25.12 QP	10.2	0	35.32	56	46	-	-	-	-
			Margin [dB]:		-20.68	-10.68	-	-	-	-
2.74031	26.26 QP	10.2	0	36.46	56	46	-	-	-	-
			Margin [dB]:		-19.54	-9.54	-	-	-	-
2.83327	27.14 QP	10.2	0	37.34	56	46	-	-	-	-
			Margin [dB]:		-18.66	-8.66	-	-	-	-
2.92607	27.77 QP	10.2	0	37.97	56	46	-	-	-	-
			Margin [dB]:		-18.03	-8.03	-	-	-	-
3.09452	28.15 QP	10.2	0	38.35	56	46	-	-	-	-
			Margin [dB]:		-17.65	-7.65	-	-	-	-
3.187	27.38 QP	10.2	0	37.58	56	46	-	-	-	-
			Margin [dB]:		-18.42	-8.42	-	-	-	-
3.27945	26.96 QP	10.2	0	37.16	56	46	-	-	-	-
			Margin [dB]:		-18.84	-8.84	-	-	-	-

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Test	Meter	Gain/Loss	Transducer	Level	Limit:1	2	3	4	5	6
Frequency	Reading	Factor	Factor	[dB(uVolts)]						
[MHz]	[dB(uV)]	[dB]	[dB]							
=====										
Neutral .15 - 1MHz										
.183	24.69 Av	10	0	34.69	64.3	54.3	-	-	-	-
			Margin [dB]:		-29.61	-19.61	-	-	-	-
.21776	22.61 Av	10.1	0	32.71	62.9	52.9	-	-	-	-
			Margin [dB]:		-30.19	-20.19	-	-	-	-
.26662	26.23 Av	10.1	0	36.33	61.2	51.2	-	-	-	-
			Margin [dB]:		-24.87	-14.87	-	-	-	-
.30774	19.86 Av	10.1	0	29.96	60	50	-	-	-	-
			Margin [dB]:		-30.04	-20.04	-	-	-	-
.34585	21.03 Av	10.1	0	31.13	59.1	49.1	-	-	-	-
			Margin [dB]:		-27.97	-17.97	-	-	-	-
.38363	18 Av	10.1	0	28.1	58.2	48.2	-	-	-	-
			Margin [dB]:		-30.1	-20.1	-	-	-	-
.43793	17.6 Av	10.1	0	27.7	57.1	47.1	-	-	-	-
			Margin [dB]:		-29.4	-19.4	-	-	-	-
.47515	18.35 Av	10.1	0	28.45	56.4	46.4	-	-	-	-
			Margin [dB]:		-27.95	-17.95	-	-	-	-
.52519	16.34 Av	10.1	0	26.44	56	46	-	-	-	-
			Margin [dB]:		-29.56	-19.56	-	-	-	-
.56156	16.92 Av	10.1	0	27.02	56	46	-	-	-	-
			Margin [dB]:		-28.98	-18.98	-	-	-	-
.60973	15.6 Av	10.1	0	25.7	56	46	-	-	-	-
			Margin [dB]:		-30.3	-20.3	-	-	-	-
.64543	15.21 Av	10.1	0	25.31	56	46	-	-	-	-
			Margin [dB]:		-30.69	-20.69	-	-	-	-
.66144	13.49 Av	10.1	0	23.59	56	46	-	-	-	-
			Margin [dB]:		-32.41	-22.41	-	-	-	-
.70203	13.09 Av	10.1	0	23.19	56	46	-	-	-	-
			Margin [dB]:		-32.81	-22.81	-	-	-	-
.73947	13.71 Av	10.1	0	23.81	56	46	-	-	-	-
			Margin [dB]:		-32.19	-22.19	-	-	-	-
.77176	11.69 Av	10.1	0	21.79	56	46	-	-	-	-
			Margin [dB]:		-34.21	-24.21	-	-	-	-
.81206	9.48 Av	10.1	0	19.58	56	46	-	-	-	-
			Margin [dB]:		-36.42	-26.42	-	-	-	-

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

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

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - average log detection
 Av - average detection
 CAV - CISPR average detection
 RMS - RMS detection
 CRMS - CISPR RMS detection

Lutron Electronics
 Temperature Control
 Seetemp Tx 437MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

Test	Meter	Gain/Loss	Transducer	Level	Limit:1	2	3	4	5	6
Frequency	Reading	Factor	Factor	[dB(uVolts)]						
[MHz]	[dB(uV)]	[dB]	[dB]							
=====										
Neutral 1 - 30MHz										
1.30752	10.78 Av	10.1	0	20.88	56	46	-	-	-	-
			Margin [dB]:		-35.12	-25.12	-	-	-	-
1.53936	13.46 Av	10.1	0	23.56	56	46	-	-	-	-
			Margin [dB]:		-32.44	-22.44	-	-	-	-
1.76622	13.14 Av	10.1	0	23.24	56	46	-	-	-	-
			Margin [dB]:		-32.76	-22.76	-	-	-	-
1.96877	12.6 Av	10.1	0	22.7	56	46	-	-	-	-
			Margin [dB]:		-33.3	-23.3	-	-	-	-
2.11402	10.04 Av	10.1	0	20.14	56	46	-	-	-	-
			Margin [dB]:		-35.86	-25.86	-	-	-	-
2.20695	8.79 Av	10.1	0	18.89	56	46	-	-	-	-
			Margin [dB]:		-37.11	-27.11	-	-	-	-
2.64778	7.19 Av	10.2	0	17.39	56	46	-	-	-	-
			Margin [dB]:		-38.61	-28.61	-	-	-	-
2.74031	8.11 Av	10.2	0	18.31	56	46	-	-	-	-
			Margin [dB]:		-37.69	-27.69	-	-	-	-
2.83327	9.36 Av	10.2	0	19.56	56	46	-	-	-	-
			Margin [dB]:		-36.44	-26.44	-	-	-	-
2.92607	9.69 Av	10.2	0	19.89	56	46	-	-	-	-
			Margin [dB]:		-36.11	-26.11	-	-	-	-
3.09452	10.33 Av	10.2	0	20.53	56	46	-	-	-	-
			Margin [dB]:		-35.47	-25.47	-	-	-	-
3.187	9.53 Av	10.2	0	19.73	56	46	-	-	-	-
			Margin [dB]:		-36.27	-26.27	-	-	-	-
3.27945	9.35 Av	10.2	0	19.55	56	46	-	-	-	-
			Margin [dB]:		-36.45	-26.45	-	-	-	-

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

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

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - average log detection
 Av - average detection
 CAV - CISPR average detection
 RMS - RMS detection
 CRMS - CISPR RMS detection

Figure 4 Conducted Emissions Graph – RX 434MHz

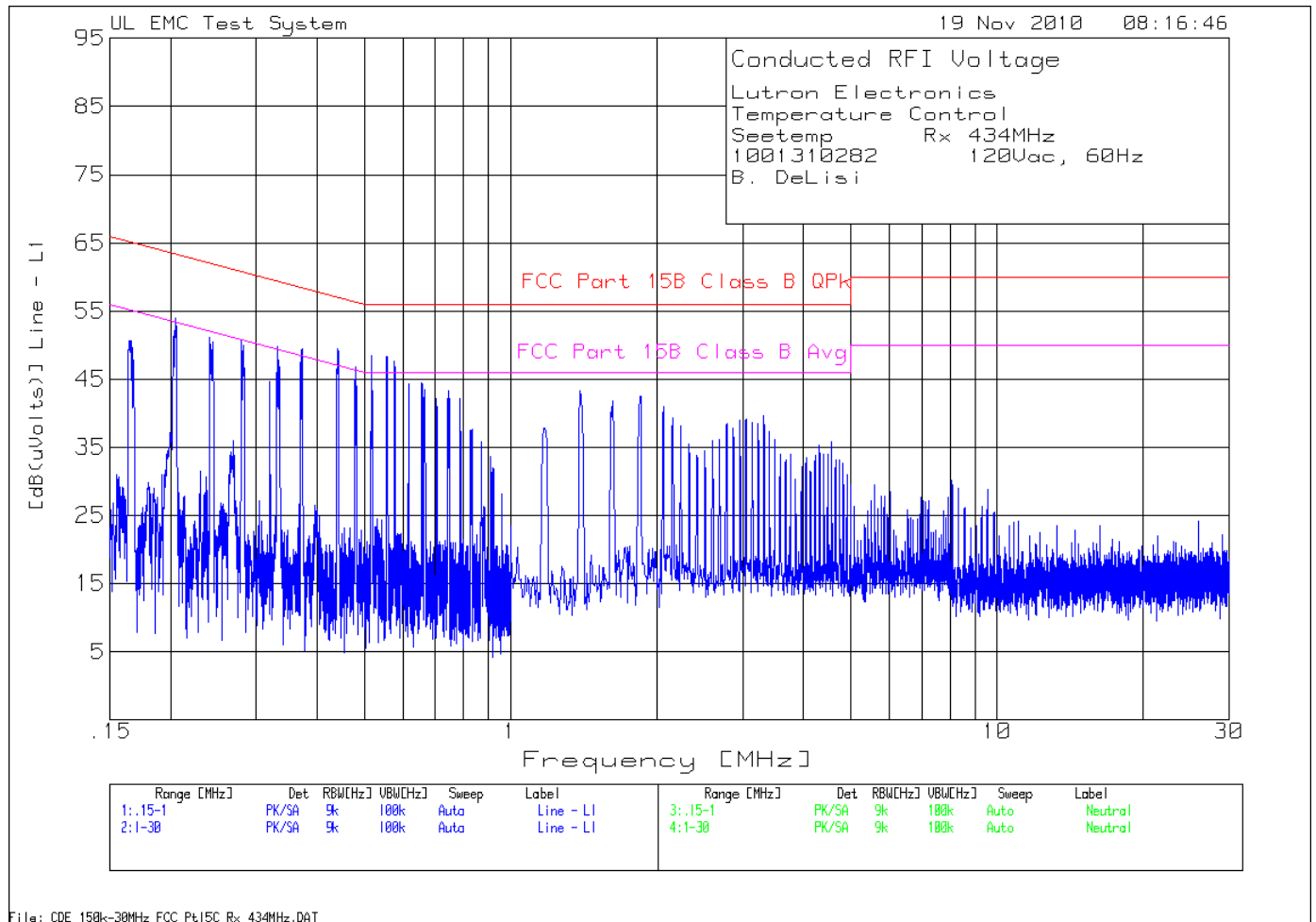


Table 5 Conducted Emissions Data Points – RX 434MHz

Lutron Electronics
 Temperature Control
 Seetemp Rx 434MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

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	.16428	40.69 PK	10	0	50.69	65.2	55.2	-	-	-	-
					Margin [dB]	-14.51	-4.51	-	-	-	-
2	.20475	43.91 PK	10	0	53.91	63.4	53.4	-	-	-	-
					Margin [dB]	-9.49	.51	-	-	-	-
3	.24046	41.05 PK	10	0	51.05	62.1	52.1	-	-	-	-
					Margin [dB]	-11.05	-1.05	-	-	-	-
4	.2794	40.54 PK	10	0	50.54	60.8	50.8	-	-	-	-
					Margin [dB]	-10.26	-.26	-	-	-	-
5	.33194	39.79 PK	10	0	49.79	59.4	49.4	-	-	-	-
					Margin [dB]	-9.61	.39	-	-	-	-
6	.36883	37.43 PK	10	0	47.43	58.5	48.5	-	-	-	-
					Margin [dB]	-11.07	-1.07	-	-	-	-
7	.44076	39.38 PK	10	0	49.38	57	47	-	-	-	-
					Margin [dB]	-7.62	2.38	-	-	-	-
8	.48089	36.85 PK	10	0	46.85	56.3	46.3	-	-	-	-
					Margin [dB]	-9.45	.55	-	-	-	-
9	.51778	38.45 PK	10	0	48.45	56	46	-	-	-	-
					Margin [dB]	-7.55	2.45	-	-	-	-
10	.55689	38.22 PK	10	0	48.22	56	46	-	-	-	-
					Margin [dB]	-7.78	2.22	-	-	-	-
11	.5756	37.64 PK	10	0	47.64	56	46	-	-	-	-
					Margin [dB]	-8.36	1.64	-	-	-	-
12	.61751	34.22 PK	10	0	44.22	56	46	-	-	-	-
					Margin [dB]	-11.78	-1.78	-	-	-	-
13	.65585	34.43 PK	10	0	44.43	56	46	-	-	-	-
					Margin [dB]	-11.57	-1.57	-	-	-	-
14	.70312	32.11 PK	10	0	42.11	56	46	-	-	-	-
					Margin [dB]	-13.89	-3.89	-	-	-	-
15	.74597	33.23 PK	10	0	43.23	56	46	-	-	-	-
					Margin [dB]	-12.77	-2.77	-	-	-	-
16	.78729	32.12 PK	10	0	42.12	56	46	-	-	-	-
					Margin [dB]	-13.88	-3.88	-	-	-	-

Line - L1 1 - 30MHz -----											
17	1.38868	33.11 PK	10.1	0	43.21	56	46	-	-	-	-
					Margin [dB]	-12.79	-2.79	-	-	-	-
18	1.62072	31.64 PK	10.1	0	41.74	56	46	-	-	-	-
					Margin [dB]	-14.26	-4.26	-	-	-	-
19	1.84697	32.43 PK	10.1	0	42.53	56	46	-	-	-	-
					Margin [dB]	-13.47	-3.47	-	-	-	-
20	2.06161	30.87 PK	10.1	0	40.97	56	46	-	-	-	-
					Margin [dB]	-15.03	-5.03	-	-	-	-

Neutral .15 - 1MHz -----											
21	.15	39.74 PK	10.1	0	49.84	66	56	-	-	-	-
					Margin [dB]	-16.16	-6.16	-	-	-	-
22	.19234	39.09 PK	10	0	49.09	63.9	53.9	-	-	-	-
					Margin [dB]	-14.81	-4.81	-	-	-	-
23	.22856	40.23 PK	10.1	0	50.33	62.5	52.5	-	-	-	-
					Margin [dB]	-12.17	-2.17	-	-	-	-
24	.26324	41.46 PK	10.1	0	51.56	61.3	51.3	-	-	-	-

25	.30099	36.75 PK	10.1	Margin [dB]	-9.74	.26	-	-	-	-
				0	46.85	60.2	50.2	-	-	-
26	.36101	41.21 PK	10.1	Margin [dB]	-13.35	-3.35	-	-	-	-
				0	51.31	58.7	48.7	-	-	-
27	.40505	39.91 PK	10.1	Margin [dB]	-7.39	2.61	-	-	-	-
				0	50.01	57.7	47.7	-	-	-
28	.44569	38.66 PK	10.1	Margin [dB]	-7.69	2.31	-	-	-	-
				0	48.76	57	47	-	-	-
29	.4831	37.52 PK	10.1	Margin [dB]	-8.24	1.76	-	-	-	-
				0	47.62	56.3	46.3	-	-	-
30	.50894	36.56 PK	10.1	Margin [dB]	-8.68	1.32	-	-	-	-
				0	46.66	56	46	-	-	-
31	.54669	36.26 PK	10.1	Margin [dB]	-9.34	.66	-	-	-	-
				0	46.36	56	46	-	-	-
32	.58223	34.65 PK	10.1	Margin [dB]	-9.64	.36	-	-	-	-
				0	44.75	56	46	-	-	-
33	.61844	35.34 PK	10.1	Margin [dB]	-11.25	-1.25	-	-	-	-
				0	45.44	56	46	-	-	-
34	.65976	33.28 PK	10.1	Margin [dB]	-10.56	-.56	-	-	-	-
				0	43.38	56	46	-	-	-
35	.69955	32.39 PK	10.1	Margin [dB]	-12.62	-2.62	-	-	-	-
				0	42.49	56	46	-	-	-
36	.74104	36.07 PK	10.1	Margin [dB]	-13.51	-3.51	-	-	-	-
				0	46.17	56	46	-	-	-
37	.76637	30.15 PK	10.1	Margin [dB]	-9.83	.17	-	-	-	-
				0	40.25	56	46	-	-	-
38	.80565	30.23 PK	10.1	Margin [dB]	-15.75	-5.75	-	-	-	-
				0	40.33	56	46	-	-	-
				Margin [dB]	-15.67	-5.67	-	-	-	-

Neutral 1 - 30MHz

39	1.41188	31.6 PK	10.1	0	41.7	56	46	-	-	-
				Margin [dB]	-14.3	-4.3	-	-	-	-
40	1.63813	34.07 PK	10.1	0	44.17	56	46	-	-	-
				Margin [dB]	-11.83	-1.83	-	-	-	-
41	1.84117	32.64 PK	10.1	0	42.74	56	46	-	-	-
				Margin [dB]	-13.26	-3.26	-	-	-	-
42	2.06161	30.33 PK	10.1	0	40.43	56	46	-	-	-
				Margin [dB]	-15.57	-5.57	-	-	-	-
43	3.14063	31.09 PK	10.2	0	41.29	56	46	-	-	-
				Margin [dB]	-14.71	-4.71	-	-	-	-

LIMIT 1: FCC Part 15B Class B QPk
 LIMIT 2: FCC Part 15B Class B Avg
 LIMIT 3: NONE
 LIMIT 4: NONE
 LIMIT 5: NONE
 LIMIT 6: NONE

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detection
 Av - average detection
 CAV - CISPR average detection
 RMS - RMS detection
 CRMS - CISPR RMS detection

Lutron Electronics
 Temperature Control
 Seetemp Rx 434MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

Test	Meter	Gain/Loss	Transducer	Level	Limit:1	2	3	4	5	6
Frequency	Reading	Factor	Factor	[dB(uVolts)]						
[MHz]	[dB(uV)]	[dB]	[dB]							
=====										
Line - L1	.15 - 1MHz									
.16354	39.98 QP	10	0	49.98	65.3	55.3	-	-	-	-
			Margin [dB]:		-15.32	-5.32	-	-	-	-
.20408	39 QP	10	0	49	63.4	53.4	-	-	-	-
			Margin [dB]:		-14.4	-4.4	-	-	-	-
.24026	39.24 QP	10	0	49.24	62.1	52.1	-	-	-	-
			Margin [dB]:		-12.86	-2.86	-	-	-	-
.27903	39.24 QP	10	0	49.24	60.8	50.8	-	-	-	-
			Margin [dB]:		-11.56	-1.56	-	-	-	-
.33212	38.24 QP	10	0	48.24	59.4	49.4	-	-	-	-
			Margin [dB]:		-11.16	-1.16	-	-	-	-
.36842	37.8 QP	10	0	47.8	58.5	48.5	-	-	-	-
			Margin [dB]:		-10.7	-.7	-	-	-	-
.44109	36.84 QP	10	0	46.84	57	47	-	-	-	-
			Margin [dB]:		-10.16	-.16	-	-	-	-
.48077	35.27 QP	10	0	45.27	56.3	46.3	-	-	-	-
			Margin [dB]:		-11.03	-1.03	-	-	-	-
.51782	35.63 QP	10	0	45.63	56	46	-	-	-	-
			Margin [dB]:		-10.37	-.37	-	-	-	-
.55676	34.18 QP	10	0	44.18	56	46	-	-	-	-
			Margin [dB]:		-11.82	-1.82	-	-	-	-
.57556	34.48 QP	10	0	44.48	56	46	-	-	-	-
			Margin [dB]:		-11.52	-1.52	-	-	-	-
.61776	33.25 QP	10	0	43.25	56	46	-	-	-	-
			Margin [dB]:		-12.75	-2.75	-	-	-	-
.65588	31.67 QP	10	0	41.67	56	46	-	-	-	-
			Margin [dB]:		-14.33	-4.33	-	-	-	-
.7029	30.5 QP	10	0	40.5	56	46	-	-	-	-
			Margin [dB]:		-15.5	-5.5	-	-	-	-
.74593	29.2 QP	10	0	39.2	56	46	-	-	-	-
			Margin [dB]:		-16.8	-6.8	-	-	-	-
.7869	26.91 QP	10	0	36.91	56	46	-	-	-	-
			Margin [dB]:		-19.09	-9.09	-	-	-	-
Line - L1	1 - 30MHz									
1.38857	29.07 QP	10.1	0	39.17	56	46	-	-	-	-
			Margin [dB]:		-16.83	-6.83	-	-	-	-
1.62044	30.96 QP	10.1	0	41.06	56	46	-	-	-	-
			Margin [dB]:		-14.94	-4.94	-	-	-	-
1.84666	30.1 QP	10.1	0	40.2	56	46	-	-	-	-
			Margin [dB]:		-15.8	-5.8	-	-	-	-
2.06172	28.19 QP	10.1	0	38.29	56	46	-	-	-	-
			Margin [dB]:		-17.71	-7.71	-	-	-	-
Neutral	.15 - 1MHz									
.15058	39.82 QP	10.1	0	49.92	66	56	-	-	-	-
			Margin [dB]:		-16.08	-6.08	-	-	-	-
.19307	37.41 QP	10	0	47.41	63.9	53.9	-	-	-	-
			Margin [dB]:		-16.49	-6.49	-	-	-	-
.22854	38.77 QP	10.1	0	48.87	62.5	52.5	-	-	-	-
			Margin [dB]:		-13.63	-3.63	-	-	-	-
.26351	40.17 QP	10.1	0	50.27	61.3	51.3	-	-	-	-
			Margin [dB]:		-11.03	-1.03	-	-	-	-
.30135	37.04 QP	10.1	0	47.14	60.2	50.2	-	-	-	-
			Margin [dB]:		-13.06	-3.06	-	-	-	-
.36073	37.49 QP	10.1	0	47.59	58.7	48.7	-	-	-	-

			Margin [dB]:		-11.11	-1.11	-	-	-	-
.40444	36.86 QP	10.1	0	46.96	57.8	47.8	-	-	-	-
			Margin [dB]:		-10.84	-.84	-	-	-	-
.4456	36.73 QP	10.1	0	46.83	57	47	-	-	-	-
			Margin [dB]:		-10.17	-.17	-	-	-	-
.48275	34.84 QP	10.1	0	44.94	56.3	46.3	-	-	-	-
			Margin [dB]:		-11.36	-1.36	-	-	-	-
.50881	35.96 QP	10.1	0	46.06	56	46	-	-	-	-
			Margin [dB]:		-9.94	.06	-	-	-	-
.54705	34.92 QP	10.1	0	45.02	56	46	-	-	-	-
			Margin [dB]:		-10.98	-.98	-	-	-	-
.58274	33.88 QP	10.1	0	43.98	56	46	-	-	-	-
			Margin [dB]:		-12.02	-2.02	-	-	-	-
.61832	33.04 QP	10.1	0	43.14	56	46	-	-	-	-
			Margin [dB]:		-12.86	-2.86	-	-	-	-
.66018	31.96 QP	10.1	0	42.06	56	46	-	-	-	-
			Margin [dB]:		-13.94	-3.94	-	-	-	-
.70004	30.56 QP	10.1	0	40.66	56	46	-	-	-	-
			Margin [dB]:		-15.34	-5.34	-	-	-	-
.74066	29.26 QP	10.1	0	39.36	56	46	-	-	-	-
			Margin [dB]:		-16.64	-6.64	-	-	-	-
.76643	28.45 QP	10.1	0	38.55	56	46	-	-	-	-
			Margin [dB]:		-17.45	-7.45	-	-	-	-
.80573	26.17 QP	10.1	0	36.27	56	46	-	-	-	-
			Margin [dB]:		-19.73	-9.73	-	-	-	-
Neutral 1 - 30MHz										
1.41169	29.49 QP	10.1	0	39.59	56	46	-	-	-	-
			Margin [dB]:		-16.41	-6.41	-	-	-	-
1.6377	30.8 QP	10.1	0	40.9	56	46	-	-	-	-
			Margin [dB]:		-15.1	-5.1	-	-	-	-
1.84065	30.42 QP	10.1	0	40.52	56	46	-	-	-	-
			Margin [dB]:		-15.48	-5.48	-	-	-	-
2.06209	27.91 QP	10.1	0	38.01	56	46	-	-	-	-
			Margin [dB]:		-17.99	-7.99	-	-	-	-
3.14009	26.43 QP	10.2	0	36.63	56	46	-	-	-	-
			Margin [dB]:		-19.37	-9.37	-	-	-	-

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

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - average log detection
 Av - average detection
 CAV - CISPR average detection
 RMS - RMS detection
 CRMS - CISPR RMS detection

LIMIT 1: FCC Part 15B Class B QPk
 LIMIT 2: FCC Part 15B Class B Avg
 LIMIT 3: NONE
 LIMIT 4: NONE
 LIMIT 5: NONE
 LIMIT 6: NONE

Lutron Electronics
 Temperature Control
 Seetemp Rx 434MHz
 1001310282 120Vac, 60Hz
 B. DeLisi

Test	Meter	Gain/Loss	Transducer	Level	Limit:1	2	3	4	5	6
Frequency	Reading	Factor	Factor	[dB(uVolts)]						
[MHz]	[dB(uV)]	[dB]	[dB]							
=====										
Line - L1 .15 - 1MHz										
.16354	21.86 Av	10	0	31.86	65.3	55.3	-	-	-	-
			Margin [dB]:		-33.44	-23.44	-	-	-	-
.20408	23.16 Av	10	0	33.16	63.4	53.4	-	-	-	-
			Margin [dB]:		-30.24	-20.24	-	-	-	-
.24026	20.22 Av	10	0	30.22	62.1	52.1	-	-	-	-
			Margin [dB]:		-31.88	-21.88	-	-	-	-
.27903	19.48 Av	10	0	29.48	60.8	50.8	-	-	-	-
			Margin [dB]:		-31.32	-21.32	-	-	-	-
.33212	21.17 Av	10	0	31.17	59.4	49.4	-	-	-	-
			Margin [dB]:		-28.23	-18.23	-	-	-	-
.36842	18.24 Av	10	0	28.24	58.5	48.5	-	-	-	-
			Margin [dB]:		-30.26	-20.26	-	-	-	-
.44109	17.33 Av	10	0	27.33	57	47	-	-	-	-
			Margin [dB]:		-29.67	-19.67	-	-	-	-
.48077	16.2 Av	10	0	26.2	56.3	46.3	-	-	-	-
			Margin [dB]:		-30.1	-20.1	-	-	-	-
.51782	15.3 Av	10	0	25.3	56	46	-	-	-	-
			Margin [dB]:		-30.7	-20.7	-	-	-	-
.55676	14.55 Av	10	0	24.55	56	46	-	-	-	-
			Margin [dB]:		-31.45	-21.45	-	-	-	-
.57556	14.93 Av	10	0	24.93	56	46	-	-	-	-
			Margin [dB]:		-31.07	-21.07	-	-	-	-
.61776	14.38 Av	10	0	24.38	56	46	-	-	-	-
			Margin [dB]:		-31.62	-21.62	-	-	-	-
.65588	13.54 Av	10	0	23.54	56	46	-	-	-	-
			Margin [dB]:		-32.46	-22.46	-	-	-	-
.7029	12.58 Av	10	0	22.58	56	46	-	-	-	-
			Margin [dB]:		-33.42	-23.42	-	-	-	-
.74593	11.66 Av	10	0	21.66	56	46	-	-	-	-
			Margin [dB]:		-34.34	-24.34	-	-	-	-
.7869	9.72 Av	10	0	19.72	56	46	-	-	-	-
			Margin [dB]:		-36.28	-26.28	-	-	-	-
Line - L1 1 - 30MHz										
1.38857	10.14 Av	10.1	0	20.24	56	46	-	-	-	-
			Margin [dB]:		-35.76	-25.76	-	-	-	-
1.62044	12.95 Av	10.1	0	23.05	56	46	-	-	-	-
			Margin [dB]:		-32.95	-22.95	-	-	-	-
1.84666	12.15 Av	10.1	0	22.25	56	46	-	-	-	-
			Margin [dB]:		-33.75	-23.75	-	-	-	-
2.06172	11.56 Av	10.1	0	21.66	56	46	-	-	-	-
			Margin [dB]:		-34.34	-24.34	-	-	-	-
Neutral .15 - 1MHz										
.15058	21.49 Av	10.1	0	31.59	66	56	-	-	-	-
			Margin [dB]:		-34.41	-24.41	-	-	-	-
.19307	20.99 Av	10	0	30.99	63.9	53.9	-	-	-	-
			Margin [dB]:		-32.91	-22.91	-	-	-	-
.22854	19.62 Av	10.1	0	29.72	62.5	52.5	-	-	-	-
			Margin [dB]:		-32.78	-22.78	-	-	-	-
.26351	24.33 Av	10.1	0	34.43	61.3	51.3	-	-	-	-
			Margin [dB]:		-26.87	-16.87	-	-	-	-
.30135	17.65 Av	10.1	0	27.75	60.2	50.2	-	-	-	-
			Margin [dB]:		-32.45	-22.45	-	-	-	-
.36073	18.29 Av	10.1	0	28.39	58.7	48.7	-	-	-	-

			Margin [dB]:		-30.31	-20.31	-	-	-	-
.40444	17.12 Av	10.1	0	27.22	57.8	47.8	-	-	-	-
			Margin [dB]:		-30.58	-20.58	-	-	-	-
.4456	17.07 Av	10.1	0	27.17	57	47	-	-	-	-
			Margin [dB]:		-29.83	-19.83	-	-	-	-
.48275	15.61 Av	10.1	0	25.71	56.3	46.3	-	-	-	-
			Margin [dB]:		-30.59	-20.59	-	-	-	-
.50881	16.5 Av	10.1	0	26.6	56	46	-	-	-	-
			Margin [dB]:		-29.4	-19.4	-	-	-	-
.54705	15.96 Av	10.1	0	26.06	56	46	-	-	-	-
			Margin [dB]:		-29.94	-19.94	-	-	-	-
.58274	14.4 Av	10.1	0	24.5	56	46	-	-	-	-
			Margin [dB]:		-31.5	-21.5	-	-	-	-
.61832	13.85 Av	10.1	0	23.95	56	46	-	-	-	-
			Margin [dB]:		-32.05	-22.05	-	-	-	-
.66018	13.67 Av	10.1	0	23.77	56	46	-	-	-	-
			Margin [dB]:		-32.23	-22.23	-	-	-	-
.70004	11.82 Av	10.1	0	21.92	56	46	-	-	-	-
			Margin [dB]:		-34.08	-24.08	-	-	-	-
.74066	12.59 Av	10.1	0	22.69	56	46	-	-	-	-
			Margin [dB]:		-33.31	-23.31	-	-	-	-
.76643	10.73 Av	10.1	0	20.83	56	46	-	-	-	-
			Margin [dB]:		-35.17	-25.17	-	-	-	-
.80573	8.66 Av	10.1	0	18.76	56	46	-	-	-	-
			Margin [dB]:		-37.24	-27.24	-	-	-	-
Neutral 1 - 30MHz										
1.41169	10.42 Av	10.1	0	20.52	56	46	-	-	-	-
			Margin [dB]:		-35.48	-25.48	-	-	-	-
1.6377	11.51 Av	10.1	0	21.61	56	46	-	-	-	-
			Margin [dB]:		-34.39	-24.39	-	-	-	-
1.84065	11.57 Av	10.1	0	21.67	56	46	-	-	-	-
			Margin [dB]:		-34.33	-24.33	-	-	-	-
2.06209	9.47 Av	10.1	0	19.57	56	46	-	-	-	-
			Margin [dB]:		-36.43	-26.43	-	-	-	-
3.14009	8.25 Av	10.2	0	18.45	56	46	-	-	-	-
			Margin [dB]:		-37.55	-27.55	-	-	-	-

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

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - average log detection
 Av - average detection
 CAV - CISPR average detection
 RMS - RMS detection
 CRMS - CISPR RMS detection

LIMIT 1: FCC Part 15B Class B QPk
 LIMIT 2: FCC Part 15B Class B Avg
 LIMIT 3: NONE
 LIMIT 4: NONE
 LIMIT 5: NONE
 LIMIT 6: NONE

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; ANSI C63.10:2009, RSS-GEN
Occupied Bandwidth Limits	
0.25% of Fundamental	

Table 6 Occupied Bandwidth Configuration Settings

Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	1
1	1	2
Supplementary information: None		

Table 7 Occupied Bandwidth Spectrum Analyzer Settings

Resolution Bandwidth (MHz)	Occupied Bandwidth Requirements	
	dBc	%
10kHz	-20	99
Supplementary information: None		

Table 8 Occupied Bandwidth Test Equipment

Test Equipment Used					
Description	Manufacturer	Model	Identifier	Cal	Cal Due
EMI Receiver	Rohde & Schwarz	ESIB26	ME5B-081	2010-01-12	2011-01-12
Dipole Antenna	EMCO	3121C	3359	2009-11-16	2010-11-30
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268	2010-03-08	2012-03-08
Multimeter	Fluke	87V	44547	2010-02-01	2011-02-01

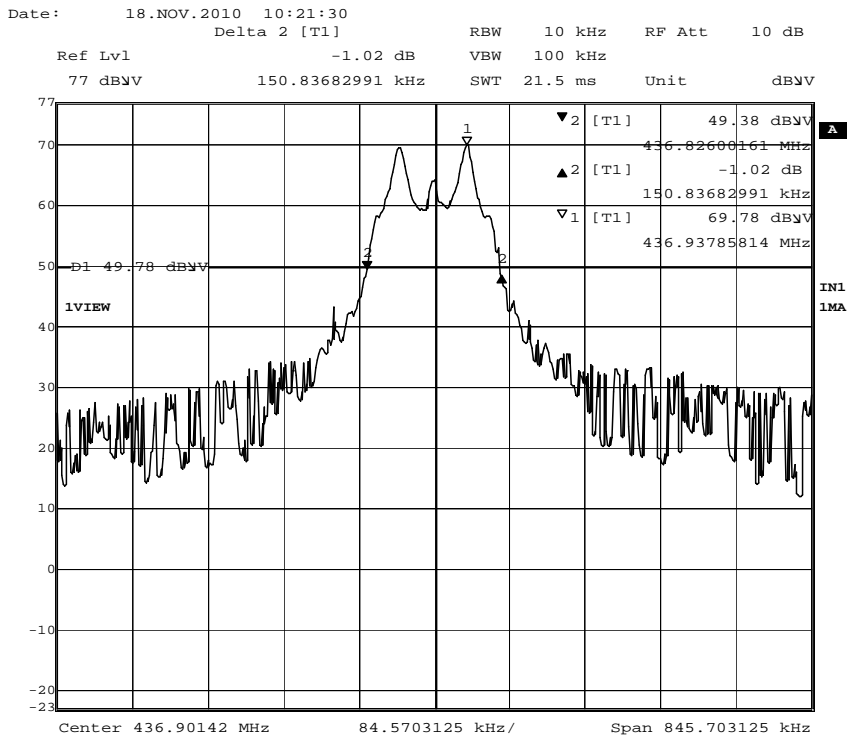
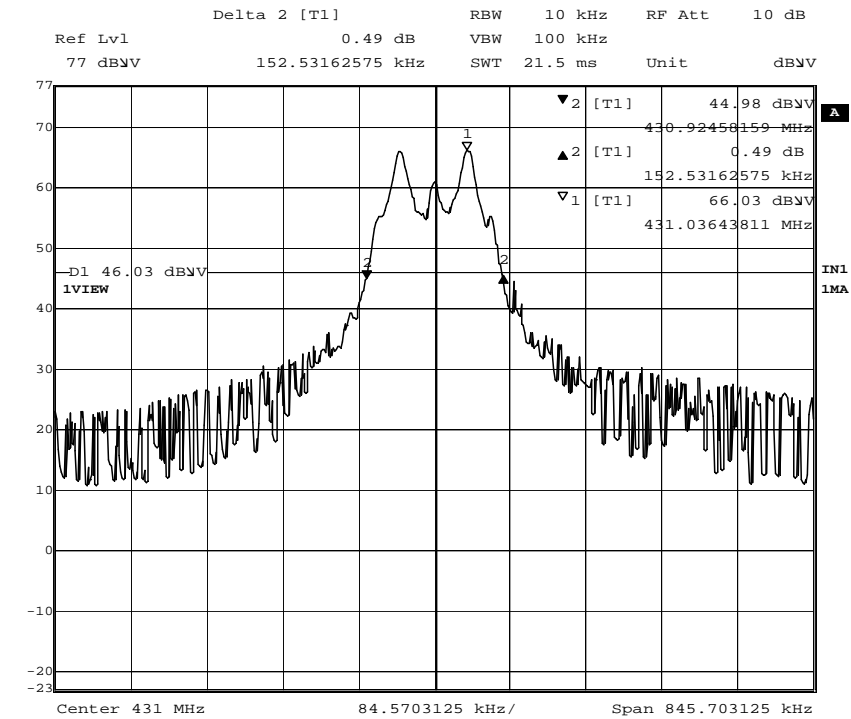
Figure 5 Test Setup for Occupied Bandwidth



Table 9 Occupied Bandwidth Results

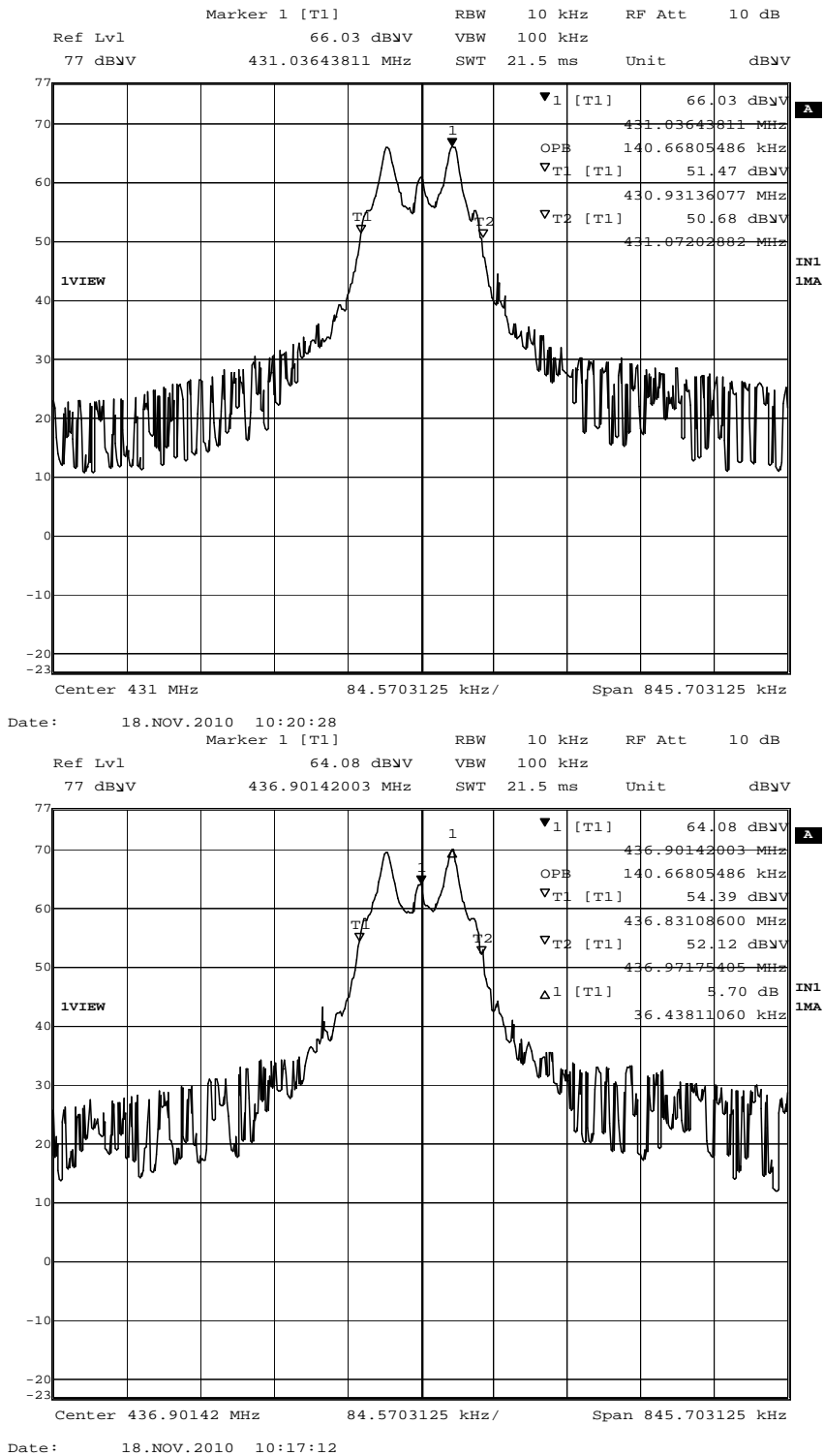
Power Mode	Frequency (MHz)	20dB OBW (kHz)	99% OBW (kHz)	Limit (MHz)	Result
AC	431	152.5	140.6	1.08	Pass
AC	437	150.0	140.6	1.09	Pass

Figure 6 Occupied Bandwidth Graph – 20dB 431Mhz and 437 Mhz



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Figure 7 Occupied Bandwidth Graph – 99pct 431Mhz and 437 Mhz



4.3 Test Conditions and Results – Cease Operation

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 transmission time measured with the spectrum analyzer set to zero span at the fundamental frequency.
Basic Standard	FCC Part 15, Subpart C, 15.215; ANSI C63.10:2009, RSS-GEN
Cease Operation Limits	
The transmissions shall stop within 5 seconds of either a button being released or if automatically controlled transmissions shall be stopped 5 seconds after transmissions begin.	

Table 10 Cease Operation Configuration Settings

Power Interface Mode	EUT Configurations Mode	EUT Operation Mode
1	1	5
Supplementary information: None		

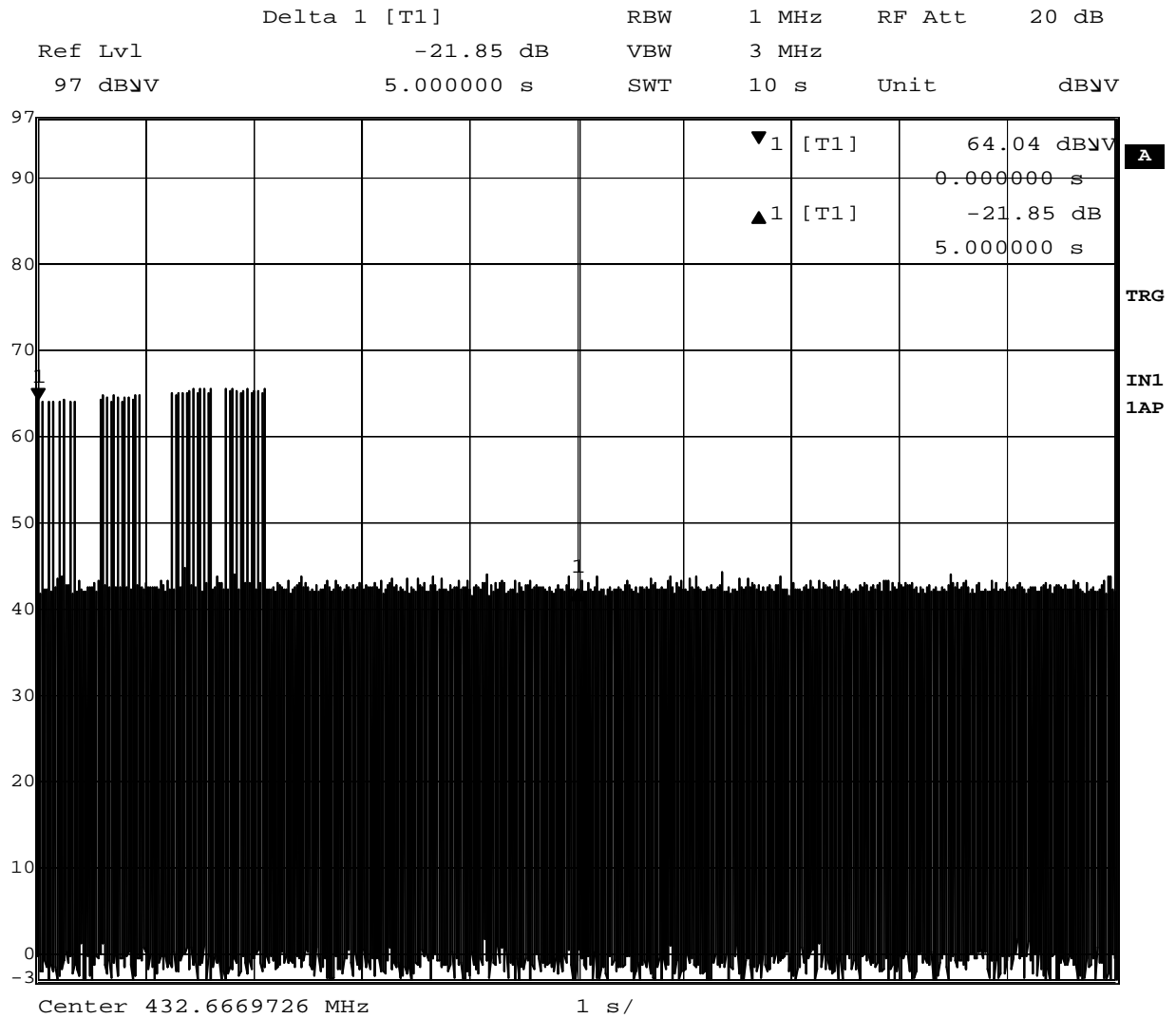
Table 11 Cease Operation Test Equipment

Test Equipment Used					
Description	Manufacturer	Model	Identifier	Cal	Cal Due
EMI Receiver	Rohde & Schwarz	ESIB26	ME5B-081	2010-01-12	2011-01-12
Dipole Antenna	EMCO	3121C	3359	2009-11-16	2010-11-30
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268	2010-03-08	2012-03-08
Measurement Software	UL	Version 9.3	44740	N/A	N/A
Multimeter	Fluke	87V	44547	2010-02-01	2011-02-01

Figure 8 Test Setup for Cease Operation



Figure 9 Cease Operation Graph



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4.4 Test Conditions and Results – Pulse Train

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 pulse train was measured with the spectrum analyzer set to zero span at the fundamental frequency.	
Basic Standard	FCC Part 15 Subpart A, 15.35	
Pulse Train Limits		
There are no limits for this test. This data is used to calculate the averaging correction factor that is applied to the measured peak radiated emissions results.		

Table 12 Pulse Train Configuration Settings

Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	5
Supplementary information: None		

Table 13 Pulse Train Calculation

Pulse Width (mS)	Total Transmission time or 100ms which ever is lesser	Average Correction Factor (dB) $20\log\left(\frac{PulseWidth}{TotalTransmissionTime}\right)$
9.6	100	-20.4

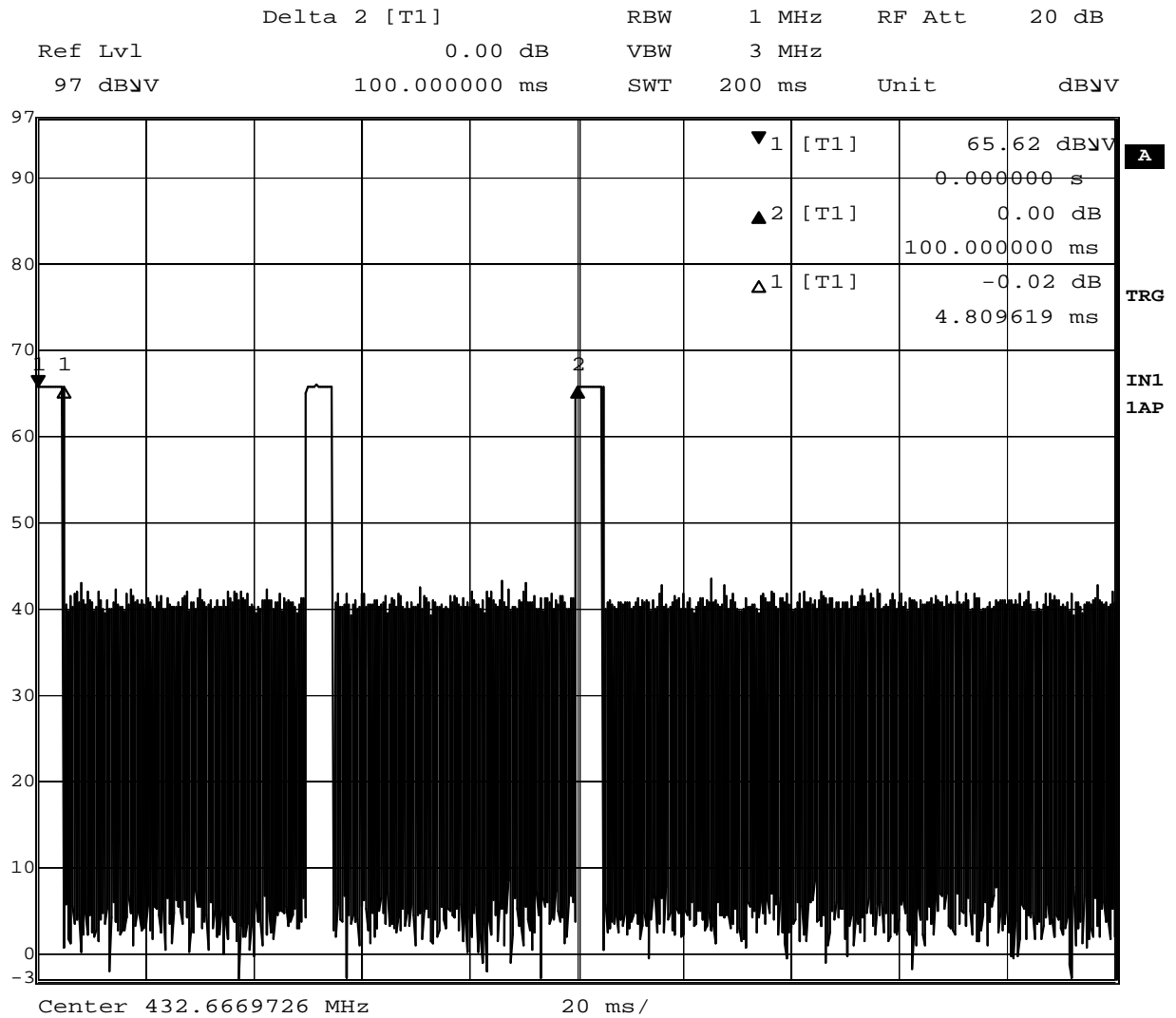
Table 14 Pulse Train Test Equipment

Test Equipment Used					
Description	Manufacturer	Model	Identifier	Cal	Cal Due
EMI Receiver	Rohde & Schwarz	ESIB26	ME5B-081	2010-01-12	2011-01-12
Dipole Antenna	EMCO	3121C	3359	2009-11-16	2010-11-30
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268	2010-03-08	2012-03-08
Measurement Software	UL	Version 9.3	44740	N/A	N/A
Multimeter	Fluke	87V	44547	2010-02-01	2011-02-01

Figure 10 Test Setup for Pulse Train



Figure 11 Pulse Train Graph



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4.5 Test Conditions and Results – RADIATED EMISSIONS (Intentional)

Test Description	Measurements were made in a 10-meter semi-anechoic chamber that complies to CISPR 16/ANSI C63.4:2003. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3-meters below 1GHz and 4-meters above 1GHz. 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, 15.209, 15.231; RSS-210		
UL LPG	80-EM-S0029		
	Frequency range	Measurement Point	
Fully configured sample scanned over the following frequency range	30 MHz – 1GHz	(3 meter measurement distance)	
Fully configured sample scanned over the following frequency range	1GHz – 5 GHz	(4 meter measurement distance)	
Limits			
Frequency (MHz)	Limit (dB μ V/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	-	-	51.5
431	-	80.7	-
437	-	80.9	-
Harmonics of the Fundamental 431	-	-	60.7 @ 3-meters 58.2 @ 4-meters
Harmonics of the Fundamental 437	-	-	60.9 @ 3-meters 58.4 @ 4-meters
Supplementary information: Spurious limits are only applied against products of the transmitter. All other emissions must meet the general limits.			

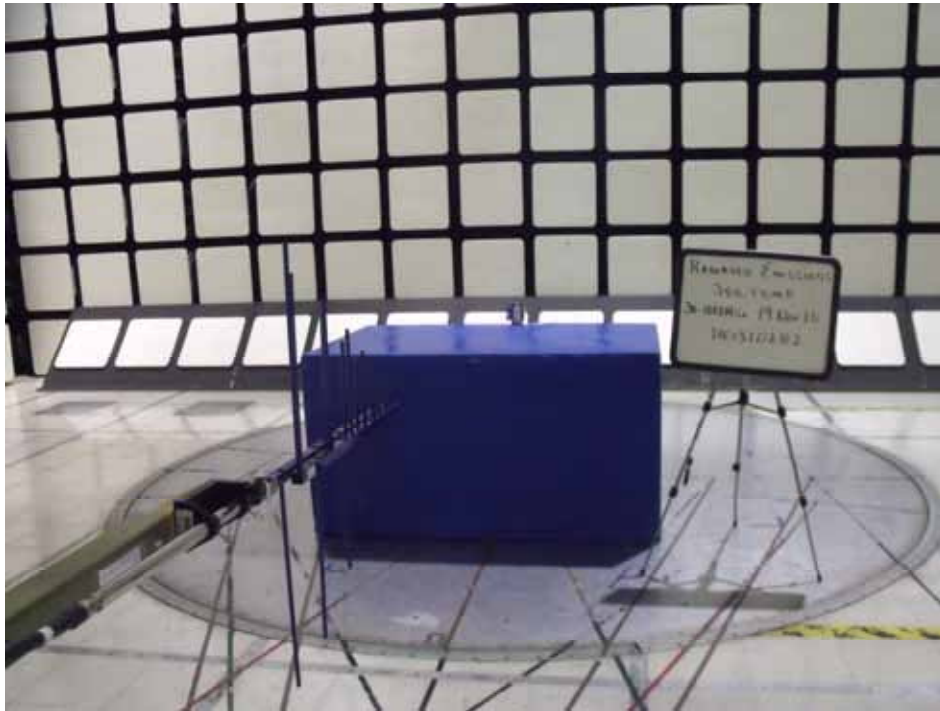
Table 15 Radiated Emissions EUT Configuration Settings

Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	1
1	1	2
Supplementary information: None		

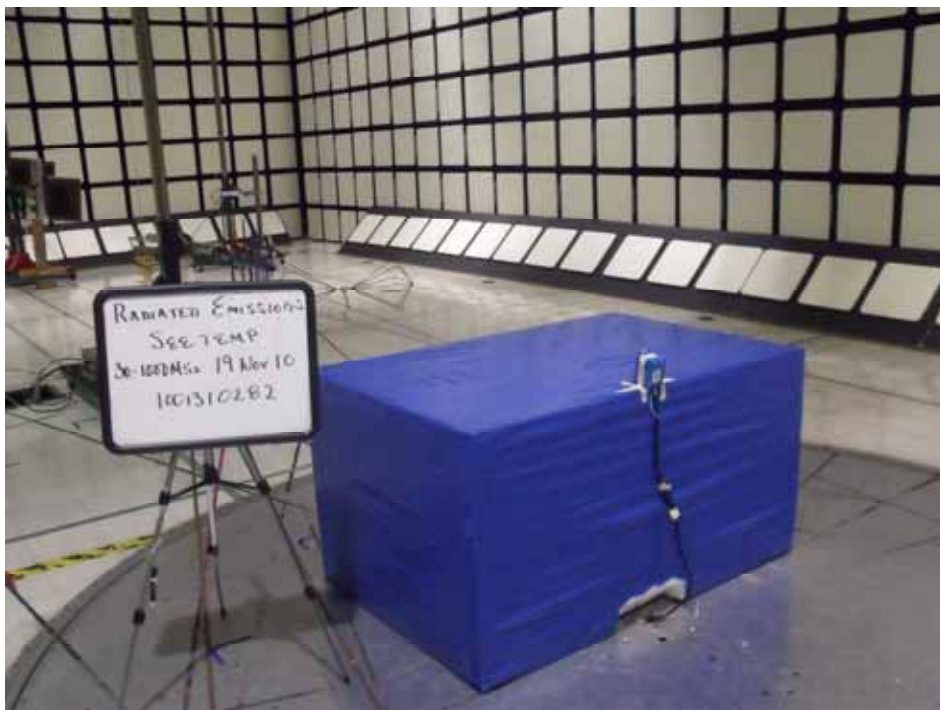
Table 16 Radiated Emissions Test Equipment

Test Equipment Used					
Description	Manufacturer	Model	Identifier	Cal Date	Cal Due Date
30-1000MHz					
EMI Receiver	Rohde & Schwarz	ESIB40	34968	2010-02-22	2011-02-22
Bicon Antenna	Schaffner	VBA6106A	43441	2010-09-09	2011-09-09
Log-P Antenna	Schaffner	UPA6109	44067	2010-04-26	2010-04-26
Switch Driver	HP	11713A	ME7A-627	N/A	N/A
System Controller	Sunol Sciences	SC99V	44396	N/A	N/A
Camera Controller	Panasonic	WV-CU254	44395	N/A	N/A
RF Switch Box	UL	1	44398	N/A	N/A
Measurement Software	UL	Version 9.3	44740	N/A	N/A
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	43734	2010-03-08	2012-03-08
Multimeter	Fluke	83III	ME5B-305	2010-02-01	2011-02-01
Above 1GHz (Band Optimized System)					
Spectrum Analyzer	Agilent	E7405A	19695	2010-02-01	2011-02-01
Horn Antenna (1-2 GHz)	ETS	3161-01	51442	N/A	N/A
Horn Antenna (2-4 GHz)	ETS	3161-02	48107	N/A	N/A
Horn Antenna (4-8 GHz)	ETS	3161-03	48106	N/A	N/A
Signal Path Controller	HP	11713A	50250	N/A	N/A
Gain Controller	HP	11713A	50251	N/A	N/A
RF Switch / Preamp Fixture	UL	BOMS1	50249	N/A	N/A
System Controller	UL	BOMS2	50252	N/A	N/A
Measurement Software	UL	Version 9.3	44740	N/A	N/A
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	43734	2010-03-08	2012-03-08
Multimeter	Fluke	83III	ME5B-305	2010-02-01	2011-02-01

Figure 12 Test setup for Radiated Emissions



Front View



Rear View

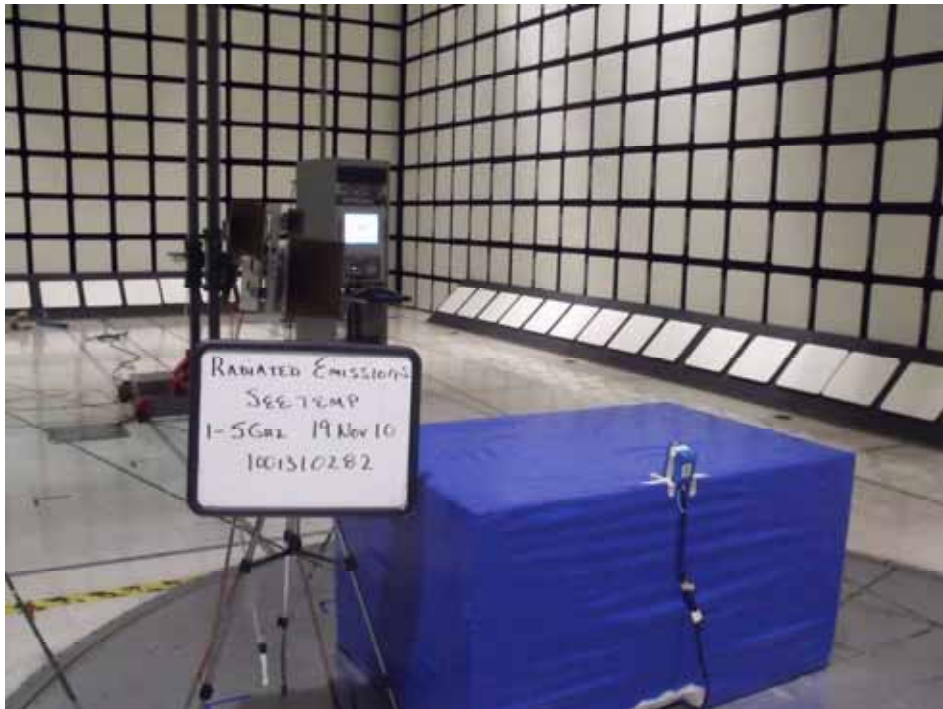
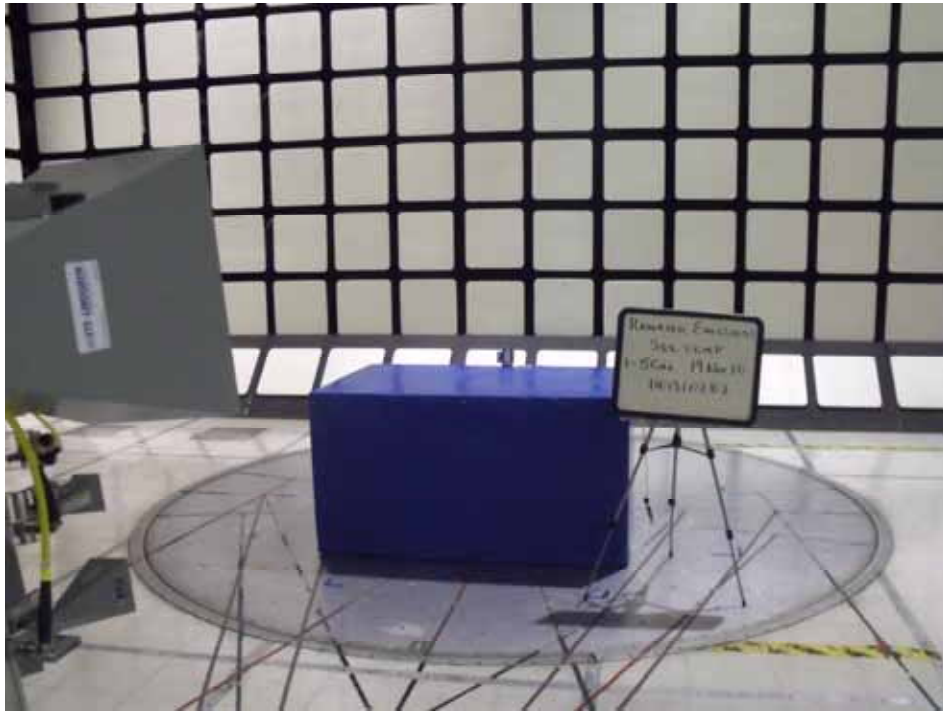


Figure 13 Radiated Emissions Graph – TX 431MHz

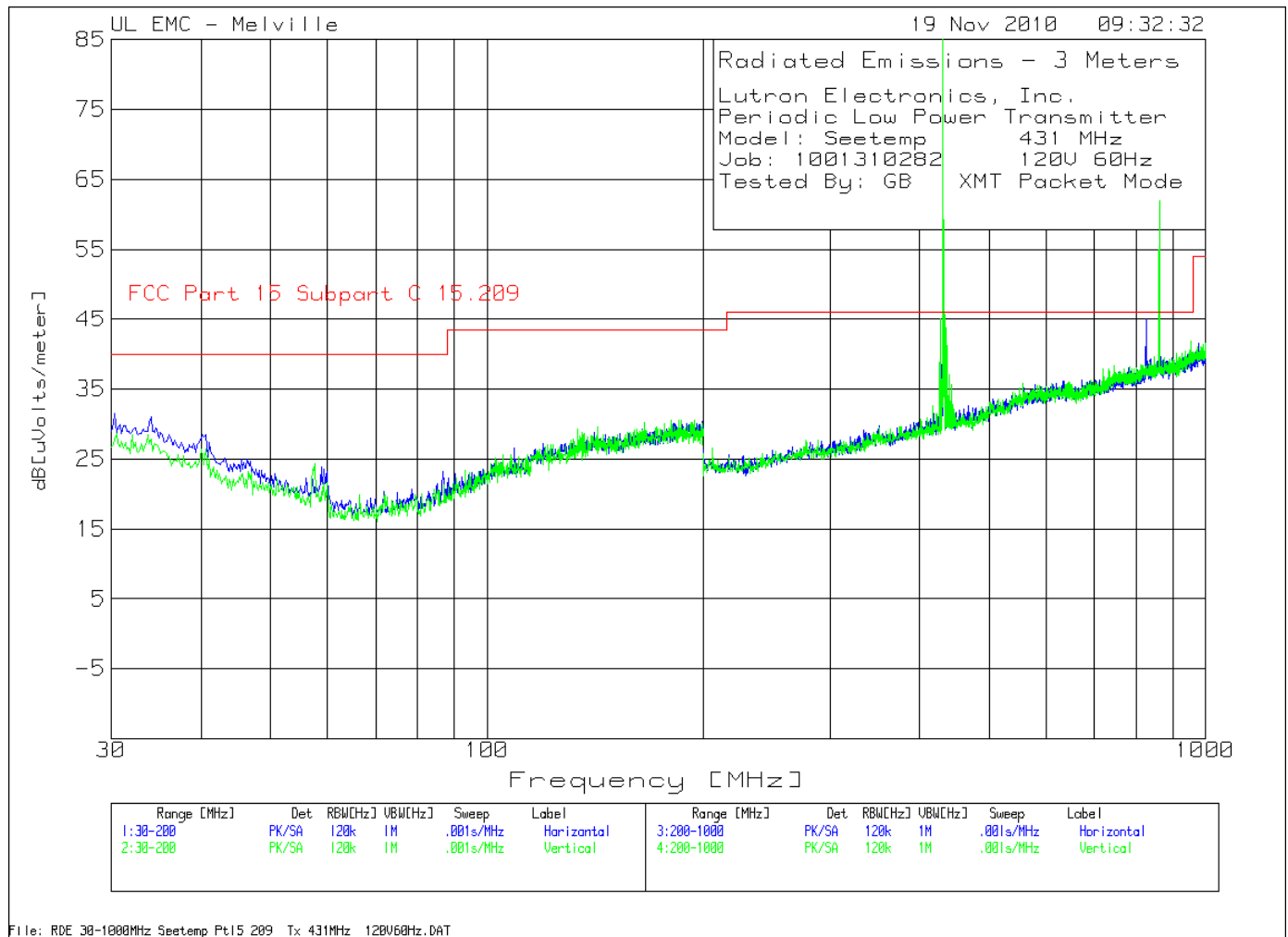


Table 17 Radiated Emissions Data Points - TX 431MHz

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 431 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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	430.9155	67.04 PK	1.2	16.8	85.04	46	-	-	-	-	-
	Azimuth:89	Height:101	Horz	Margin [dB]		39.04	-	-	-	-	-
2	428.1141	23.68 PK	1.2	16.7	41.58	46	-	-	-	-	-
	Azimuth:89	Height:146	Horz	Margin [dB]		-4.42	-	-	-	-	-
3	429.3147	20.56 PK	1.2	16.8	38.56	46	-	-	-	-	-
	Azimuth:292	Height:123	Horz	Margin [dB]		-7.44	-	-	-	-	-
4	432.1161	33.87 PK	1.2	16.8	51.87	46	-	-	-	-	-
	Azimuth:257	Height:101	Horz	Margin [dB]		5.87	-	-	-	-	-
5	434.1171	21.31 PK	1.1	16.9	39.31	46	-	-	-	-	-
	Azimuth:122	Height:101	Horz	Margin [dB]		-6.69	-	-	-	-	-
11	826.3132	20.1 PK	1.6	22.8	44.5	46	-	-	-	-	-
	Azimuth:325	Height:101	Horz	Margin [dB]		-1.5	-	-	-	-	-
12	862.3312	18.76 PK	1.6	23.1	43.46	46	-	-	-	-	-
	Azimuth:291	Height:146	Horz	Margin [dB]		-2.54	-	-	-	-	-

Vertical 200 - 1000MHz -----											
6	427.7139	27.39 PK	1.2	16.4	44.99	46	-	-	-	-	-
	Azimuth:342	Height:123	Vert	Margin [dB]		-1.01	-	-	-	-	-
7	430.9155	68.28 PK	1.2	16.4	85.88	46	-	-	-	-	-
	Azimuth:357	Height:123	Vert	Margin [dB]		39.88	-	-	-	-	-
8	432.5163	33.6 PK	1.2	16.5	51.3	46	-	-	-	-	-
	Azimuth:29	Height:100	Vert	Margin [dB]		5.3	-	-	-	-	-
9	436.1181	26.17 PK	1.1	16.5	43.77	46	-	-	-	-	-
	Azimuth:259	Height:100	Vert	Margin [dB]		-2.23	-	-	-	-	-
10	436.9185	23.53 PK	1.1	16.6	41.23	46	-	-	-	-	-
	Azimuth:18	Height:100	Vert	Margin [dB]		-4.77	-	-	-	-	-
13	862.3312	37.3 PK	1.6	23.1	62	46	-	-	-	-	-
	Azimuth:357	Height:146	Vert	Margin [dB]		16	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

PK - Peak detector
 QP - Quasi-Peak detector
 LgAv - Log average detection
 LnAv - Linear average detector

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 431 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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]							
=====										
Horizontal 200 - 1000MHz										
431	67.99 PK	1.2	16.8	65.59*	-	80.7	-	-	-	-
Azimuth: 208 Height:102 Horz					Margin [dB]:	-	-15.11	-	-	-
428.1	26.42 PK	1.2	16.7	44.32	46	-	-	-	-	-
Azimuth: 336 Height:217 Horz					Margin [dB]:	-1.68	-	-	-	-
432.1	31.24 PK	1.2	16.8	28.84*	46	-	-	-	-	-
Azimuth: 321 Height:271 Horz					Margin [dB]:	-17.16	-	-	-	-
826.3	15.35 PK	1.6	22.8	39.75	46	-	-	-	-	-
Azimuth: 206 Height:203 Horz					Margin [dB]:	-6.25	-	-	-	-
862.0044	31.47 PK	1.6	23.1	35.77*	-	60.7	-	-	-	-
Azimuth: 157 Height:143 Horz					Margin [dB]:	-	-24.93	-	-	-
Vertical 200 - 1000MHz										
427.7	18.23 PK	1.2	16.4	35.83	46	-	-	-	-	-
Azimuth: 129 Height:304 Horz					Margin [dB]:	-10.17	-	-	-	-
431	68.45 PK	1.2	16.4	65.65*	-	80.7	-	-	-	-
Azimuth: 105 Height:248 Vert					Margin [dB]:	-	-15.05	-	-	-
436.9	21.13 PK	1.1	16.6	38.83	46	-	-	-	-	-
Azimuth: 86 Height:209 Vert					Margin [dB]:	-7.17	-	-	-	-
436	12.34 PK	1.1	16.5	29.94	46	-	-	-	-	-
Azimuth: 211 Height:290 Vert					Margin [dB]:	-16.06	-	-	-	-
432.5	34.25 PK	1.2	16.5	31.55*	46	-	-	-	-	-
Azimuth: 133 Height:247 Vert					Margin [dB]:	-14.45	-	-	-	-
862	33.11 PK	1.6	23.1	37.41*	-	60.7	-	-	-	-
Azimuth: 62 Height:177 Vert					Margin [dB]:	-	-23.29	-	-	-
427	22.27 PK	1.1	16.3	39.67	46	-	-	-	-	-
Azimuth: 0 Height:177 Vert					Margin [dB]:	-6.33	-	-	-	-

*Fundamental or Product of the Fundamental: Duty Cycle Correction Factor of -20.4 applied (see 4.4 for calculation)

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.231

PK - Peak detector (maximized)
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection
 CRMS - CISPR RMS detection

Figure 14 Radiated Emissions Graph – TX 437MHz

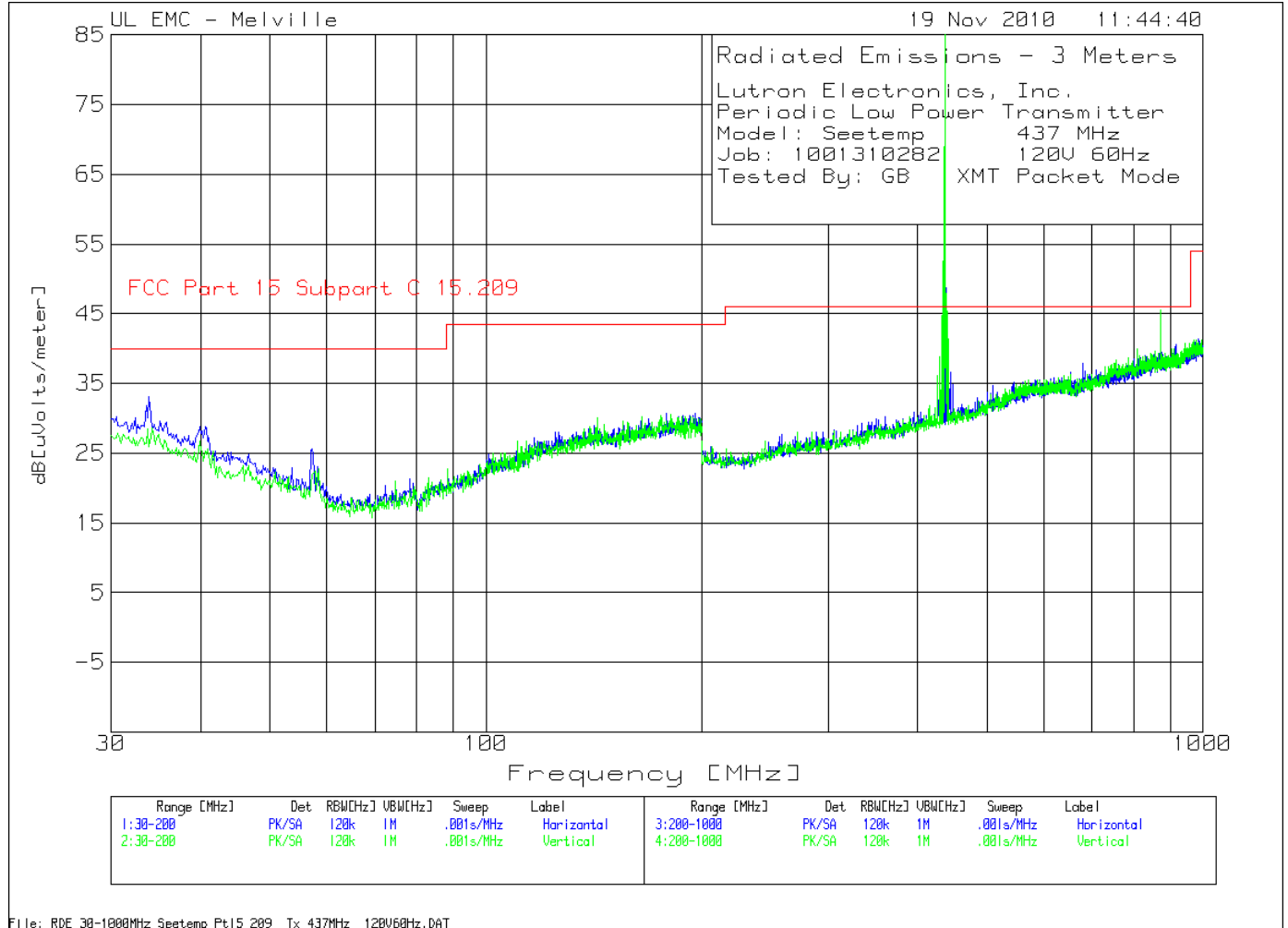


Table 18 Radiated Emissions Data Points - TX 437MHz

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 437 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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	432.1161	22.61 PK	1.2	16.8	40.61	46	-	-	-	-	-
	Azimuth:265	Height:100	Horz	Margin [dB]		-5.39	-	-	-	-	-
2	434.1171	24.03 PK	1.1	16.9	42.03	46	-	-	-	-	-
	Azimuth:199	Height:200	Horz	Margin [dB]		-3.97	-	-	-	-	-
3	435.7179	25.57 PK	1.1	16.9	43.57	46	-	-	-	-	-
	Azimuth:199	Height:300	Horz	Margin [dB]		-2.43	-	-	-	-	-
4	436.5183	37.99 PK	1.1	16.9	55.99	46	-	-	-	-	-
	Azimuth:232	Height:200	Horz	Margin [dB]		9.99	-	-	-	-	-
5	438.1191	30.61 PK	1.1	17	48.71	46	-	-	-	-	-
	Azimuth:331	Height:100	Horz	Margin [dB]		2.71	-	-	-	-	-
6	440.1201	21.73 PK	1.2	17	39.93	46	-	-	-	-	-
	Azimuth:134	Height:100	Horz	Margin [dB]		-6.07	-	-	-	-	-
7	873.937	20.88 PK	1.6	23	45.48	46	-	-	-	-	-
	Azimuth:18	Height:100	Horz	Margin [dB]		-.52	-	-	-	-	-

Vertical 200 - 1000MHz -----											
8	432.1161	27.08 PK	1.2	16.4	44.68	46	-	-	-	-	-
	Azimuth:342	Height:100	Vert	Margin [dB]		-1.32	-	-	-	-	-
9	434.1171	34.95 PK	1.1	16.5	52.55	46	-	-	-	-	-
	Azimuth:161	Height:100	Vert	Margin [dB]		6.55	-	-	-	-	-
10	436.9185	74.02 PK	1.1	16.6	91.72	46	-	-	-	-	-
	Azimuth:18	Height:100	Vert	Margin [dB]		45.72	-	-	-	-	-
11	438.5193	30.05 PK	1.2	16.6	47.85	46	-	-	-	-	-
	Azimuth:65	Height:300	Vert	Margin [dB]		1.85	-	-	-	-	-
12	440.1201	27.46 PK	1.2	16.7	45.36	46	-	-	-	-	-
	Azimuth:129	Height:100	Vert	Margin [dB]		-.64	-	-	-	-	-
13	441.7209	23.51 PK	1.2	16.7	41.41	46	-	-	-	-	-
	Azimuth:32	Height:100	Vert	Margin [dB]		-4.59	-	-	-	-	-
14	873.937	20.68 PK	1.6	23.2	45.48	46	-	-	-	-	-
	Azimuth:0	Height:100	Vert	Margin [dB]		-.52	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

PK - Peak detector
 QP - Quasi-Peak detector
 LgAv - Log average detection
 LnAv - Linear average detector

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 437 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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]							
=====										
Horizontal 200 - 1000MHz										
432.1	15.1 PK	1.2	16.8	33.1	46	-	-	-	-	-
Azimuth: 25	Height:362	Horz	Margin [dB]:	-12.9		-	-	-	-	-
434.1	23.81 PK	1.1	16.9	41.81	46	-	-	-	-	-
Azimuth: 90	Height:248	Horz	Margin [dB]:	-4.19		-	-	-	-	-
435.7	25.09 PK	1.1	16.9	43.09	46	-	-	-	-	-
Azimuth: 70	Height:382	Horz	Margin [dB]:	-2.91		-	-	-	-	-
436.9321	69.45 PK	1.1	16.9	67.05*	-	80.9	-	-	-	-
Azimuth: 188	Height:166	Horz	Margin [dB]:	-	-13.85	-	-	-	-	-
438.2	13.06 PK	1.1	17	31.16	46	-	-	-	-	-
Azimuth: 271	Height:364	Horz	Margin [dB]:	-14.84		-	-	-	-	-
440.1	11.98 PK	1.2	17	30.18	46	-	-	-	-	-
Azimuth: 271	Height:364	Horz	Margin [dB]:	-15.82		-	-	-	-	-
874	24.24 PK	1.6	23	28.44*	-	60.9	-	-	-	-
Azimuth: 178	Height:177	Horz	Margin [dB]:	-	-32.46	-	-	-	-	-
Vertical 200 - 1000MHz										
432.2	24.67 PK	1.2	16.4	42.27	46	-	-	-	-	-
Azimuth: 135	Height:336	Vert	Margin [dB]:	-3.73		-	-	-	-	-
436.9349	75.33 PK	1.1	16.6	72.63*	-	80.9	-	-	-	-
Azimuth: 235	Height:135	Vert	Margin [dB]:	-	-8.27	-	-	-	-	-
438.5	32.13 PK	1.2	16.6	29.53*	46	-	-	-	-	-
Azimuth: 70	Height:241	Vert	Margin [dB]:	-16.47		-	-	-	-	-
440.1	36.01 PK	1.2	16.7	33.51*	46	-	-	-	-	-
Azimuth: 171	Height:134	Vert	Margin [dB]:	-12.49		-	-	-	-	-
441.7	33.99 PK	1.2	16.7	31.49*	46	-	-	-	-	-
Azimuth: 158	Height:249	Vert	Margin [dB]:	-14.51		-	-	-	-	-
874	35.72 PK	1.6	23.2	40.12*	-	60.9	-	-	-	-
Azimuth: 338	Height:280	Vert	Margin [dB]:	-	-20.78	-	-	-	-	-

***Fundamental or Product of the Fundamental: Duty Cycle Correction Factor of -20.4 applied (see 4.4 for calculation)**

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.231

PK - Peak detector (Maximized)
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection

Job Number: 1001310282 File Number: MC16478 Page 69 of 94
Model Number: SeeTemp
Client Name: LUTRON ELECTRONICS INC
FCC ID: JPZ0074 IC Number: 2851A-JPZ0074

CRMS - CISPR RMS detection

Figure 15 Radiated Emissions Graph – 1-5GHz, TX 431Mhz

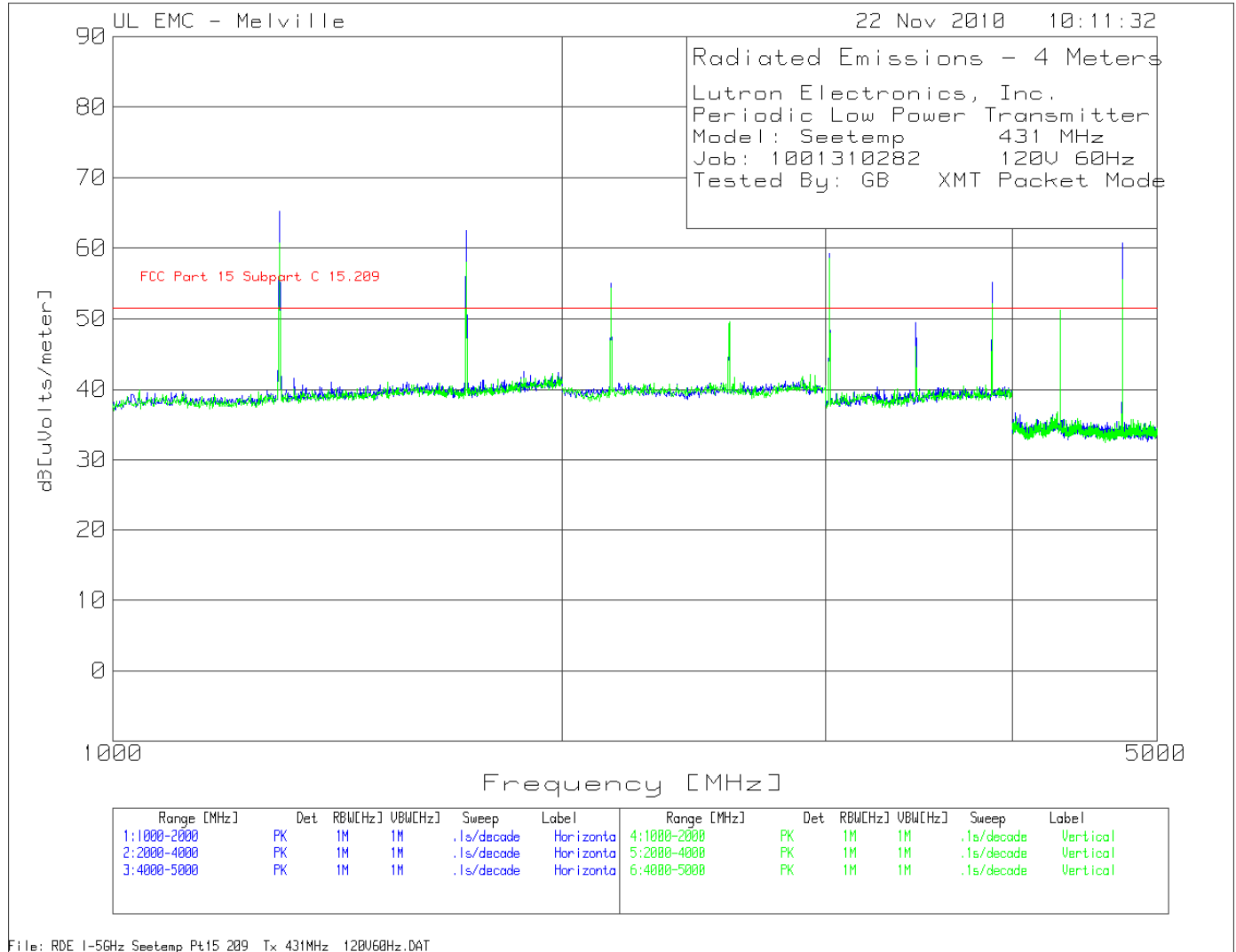


Table 19 Radiated Emissions Data Points – 1-5GHz, TX 431MHz

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 431 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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 - 2000MHz -----											
1	1292.135	89.93 PK	-45.13	20.4	65.2	51.5	-	-	-	-	-
		Height:101 Horz		Margin [dB]		13.7	-	-	-	-	-
2	1724.095	86.06 PK	-44.38	20.8	62.48	51.5	-	-	-	-	-
		Height:250 Horz		Margin [dB]		10.98	-	-	-	-	-
Horizontal 2000 - 4000MHz -----											
5	2154.806	77.79 PK	-44.21	21.4	54.98	51.5	-	-	-	-	-
		Height:250 Horz		Margin [dB]		3.48	-	-	-	-	-
6	2584.27	70.8 PK	-43.49	21.3	48.61	51.5	-	-	-	-	-
		Height:250 Horz		Margin [dB]		-2.89	-	-	-	-	-
7	3018.727	80.68 PK	-42.94	21.5	59.24	51.5	-	-	-	-	-
				Margin [dB]		7.74	-	-	-	-	-
8	3448.19	70.32 PK	-42.96	22.1	49.46	51.5	-	-	-	-	-
				Margin [dB]		-2.04	-	-	-	-	-
9	3877.653	75.48 PK	-42.94	22.6	55.14	51.5	-	-	-	-	-
				Margin [dB]		3.64	-	-	-	-	-
Horizontal 4000 - 5000MHz -----											
15	4309.484	74.25 PK	-52.64	27.7	49.31	51.5	-	-	-	-	-
				Margin [dB]		-2.19	-	-	-	-	-
16	4741.265	86.88 PK	-53.29	27.2	60.79	51.5	-	-	-	-	-
				Margin [dB]		9.29	-	-	-	-	-
Vertical 1000 - 2000MHz -----											
3	1293.383	85.44 PK	-45.16	20.5	60.78	51.5	-	-	-	-	-
		Height:249 Vert		Margin [dB]		9.28	-	-	-	-	-
4	1724.095	81.55 PK	-44.38	20.8	57.97	51.5	-	-	-	-	-
		Height:100 Vert		Margin [dB]		6.47	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection
 CRMS - CISPR RMS detection

Job Number: 1001310282 File Number: MC16478 Page 72 of 94
 Model Number: SeeTemp
 Client Name: LUTRON ELECTRONICS INC
 FCC ID: JPZ0074 IC Number: 2851A-JPZ0074

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 431 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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 2000 - 4000MHz -----											
10	2154.806	77.5 PK	-44.21	21	54.29	51.5	-	-	-	-	-
				Margin [dB]		2.79	-	-	-	-	-
11	2586.767	71.56 PK	-43.49	21.5	49.57	51.5	-	-	-	-	-
				Margin [dB]		-1.93	-	-	-	-	-
12	3018.727	79.82 PK	-42.94	21.7	58.58	51.5	-	-	-	-	-
				Margin [dB]		7.08	-	-	-	-	-
13	3448.19	66.8 PK	-42.96	22.2	46.04	51.5	-	-	-	-	-
				Margin [dB]		-5.46	-	-	-	-	-
14	3880.15	72.57 PK	-42.94	22.6	52.23	51.5	-	-	-	-	-
				Margin [dB]		.73	-	-	-	-	-

Vertical 4000 - 5000MHz -----											
17	4309.484	76.07 PK	-52.64	27.8	51.23	51.5	-	-	-	-	-
				Margin [dB]		-.27	-	-	-	-	-
18	4741.265	81.71 PK	-53.29	27.1	55.52	51.5	-	-	-	-	-
				Margin [dB]		4.02	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection
 CRMS - CISPR RMS detection

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 431 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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]							
=====										
Horizontal 1000 - 2000MHz										
1293.125	93.23 PK	-45.16	20.5	48.17*	-	58.2	-	-	-	-
Azimuth: 192		Height:365		Horz		Margin [dB]:		-10.03	-	-
1723.8625	85.97 PK	-44.39	20.8	41.98*	-	58.2	-	-	-	-
Azimuth: 189		Height:361		Horz		Margin [dB]:		-16.22	-	-
Horizontal 2000 - 4000MHz										
2154.8	81.21 PK	-44.21	21.4	38*	-	58.2	-	-	-	-
Azimuth: 32		Height:381		Horz		Margin [dB]:		-20.2	-	-
2586.0375	78.15 PK	-43.49	21.3	55.96	-	58.2	-	-	-	-
Azimuth: 250		Height:312		Horz		Margin [dB]:		-2.24	-	-
3018	72.78 PK	-42.94	21.5	51.34	-	58.2	-	-	-	-
Azimuth: 241		Height:126		Horz		Margin [dB]:		-6.86	-	-
3448	80.26 PK	-42.96	22.1	39*	-	58.2	-	-	-	-
Azimuth: 324		Height:281		Horz		Margin [dB]:		-19.2	-	-
3879.2875	78.75 PK	-42.94	22.6	38.01*	51.5	-	-	-	-	-
Azimuth: 343		Height:396		Horz		Margin [dB]:		-13.49	-	-
Horizontal 4000 - 5000MHz										
4310.2	78.46 PK	-52.63	27.7	33.13*	51.5	-	-	-	-	-
Azimuth: 342		Height:400		Horz		Margin [dB]:		-18.37	-	-
4740.75	86.43 PK	-53.29	27.2	39.94*	51.5	-	-	-	-	-
Azimuth: 308		Height:383		Horz		Margin [dB]:		-11.56	-	-
Vertical 1000 - 2000MHz										
1293.025	88.26 PK	-45.16	20.5	43.2*	-	58.2	-	-	-	-
Azimuth: 100		Height:329		Vert		Margin [dB]:		-15	-	-
1724.14	83.25 PK	-44.38	20.8	39.27*	-	58.2	-	-	-	-
Azimuth: 89		Height:344		Vert		Margin [dB]:		-18.93	-	-

*Fundamental or Product of the Fundamental: Duty Cycle Correction Factor of -20.4 applied (see 4.4 for calculation)

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.231

PK - Peak detector (Maximized)
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection
 CRMS - CISPR RMS detection

Job Number: 1001310282 File Number: MC16478 Page 74 of 94
 Model Number: SeeTemp
 Client Name: LUTRON ELECTRONICS INC
 FCC ID: JPZ0074 IC Number: 2851A-JPZ0074

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 431 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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 2000 - 4000MHz										
2155.2125	82.35 PK	-44.21	21	38.74*	-	58.2	-	-	-	-
Azimuth: 123	Height:333	Vert		Margin [dB]:	-	-19.46	-	-	-	-
2586.0625	78.56 PK	-43.49	21.5	36.17*	-	58.2	-	-	-	-
Azimuth: 86	Height:381	Vert		Margin [dB]:	-	-22.03	-	-	-	-
3017.0125	81.99 PK	-42.93	21.7	40.36*	-	58.2	-	-	-	-
Azimuth: 9	Height:382	Vert		Margin [dB]:	-	-17.84	-	-	-	-
3448.05	78.06 PK	-42.96	22.2	36.9*	-	58.2	-	-	-	-
Azimuth: 22	Height:376	Vert		Margin [dB]:	-	-21.3	-	-	-	-
3879.25	74.41 PK	-42.94	22.6	33.67*	51.5	-	-	-	-	-
Azimuth: 15	Height:293	Vert		Margin [dB]:	-17.83	-	-	-	-	-
Vertical 4000 - 5000MHz										
4310.275	79.76 PK	-52.63	27.8	31.53*	51.5	-	-	-	-	-
Azimuth: 193	Height:214	Vert		Margin [dB]:	-19.97	-	-	-	-	-
4741.4375	82.79 PK	-53.29	27.1	36.2*	51.5	-	-	-	-	-
Azimuth: 293	Height:398	Vert		Margin [dB]:	-15.3	-	-	-	-	-

***Fundamental or Product of the Fundamental: Duty Cycle Correction Factor of -20.4 applied (see 4.4 for calculation)**

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.231

PK - Peak detector (Maximized)
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection
 CRMS - CISPR RMS detection

Figure 16 Radiated Emissions Graph – 1-5GHz, TX 437MHz

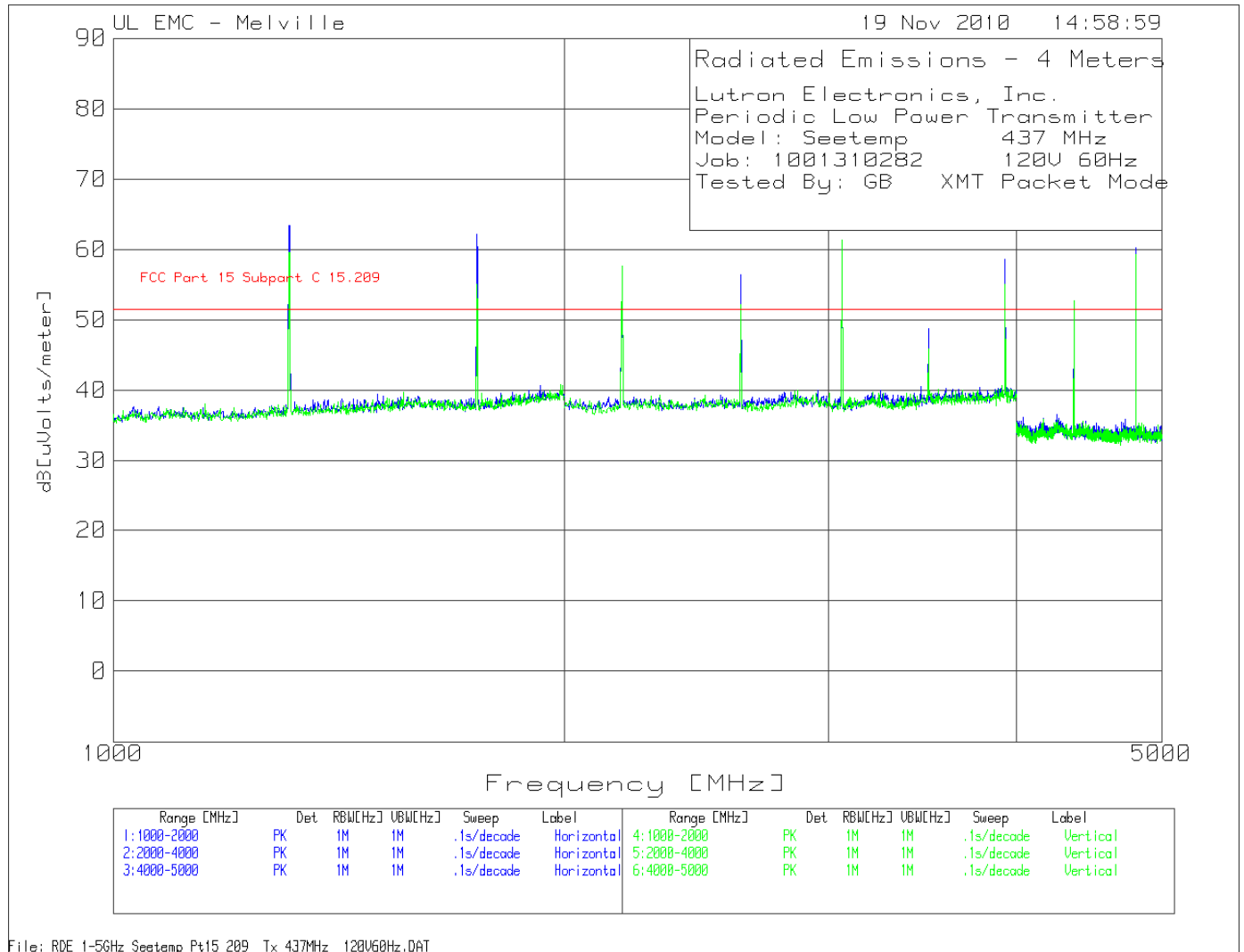


Table 20 Radiated Emissions Data Points – 1-5GHz, TX 437MHz

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 437 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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 - 2000MHz -----											
1	1309.613	88 PK	-45.08	20.5	63.42	51.5	-	-	-	-	-
		Height:99 Horz		Margin [dB]		11.92	-	-	-	-	-
2	1747.815	85.76 PK	-44.35	20.8	62.21	51.5	-	-	-	-	-
		Height:250 Horz		Margin [dB]		10.71	-	-	-	-	-

Horizontal 2000 - 4000MHz -----											
5	2184.769	79.53 PK	-44	21.5	57.03	51.5	-	-	-	-	-
		Height:249 Horz		Margin [dB]		5.53	-	-	-	-	-
6	2621.723	78.64 PK	-43.56	21.4	56.48	51.5	-	-	-	-	-
		Height:100 Horz		Margin [dB]		4.98	-	-	-	-	-
7	3058.677	82.02 PK	-42.92	21.6	60.7	51.5	-	-	-	-	-
		Height:249 Horz		Margin [dB]		9.2	-	-	-	-	-
8	3495.63	69.48 PK	-42.87	22.2	48.81	51.5	-	-	-	-	-
		Height:249 Horz		Margin [dB]		-2.69	-	-	-	-	-
9	3932.584	78.7 PK	-42.81	22.7	58.59	51.5	-	-	-	-	-
		Height:249 Horz		Margin [dB]		7.09	-	-	-	-	-

Horizontal 4000 - 5000MHz -----											
15	4369.384	73.43 PK	-52.71	27.6	48.32	51.5	-	-	-	-	-
		Height:100 Horz		Margin [dB]		-3.18	-	-	-	-	-
16	4806.988	86.75 PK	-53.55	27.1	60.3	51.5	-	-	-	-	-
		Height:249 Horz		Margin [dB]		8.8	-	-	-	-	-

Vertical 1000 - 2000MHz -----											
3	1310.861	84.2 PK	-45.09	20.5	59.61	51.5	-	-	-	-	-
		Height:250 Vert		Margin [dB]		8.11	-	-	-	-	-
4	1747.815	78.62 PK	-44.35	20.8	55.07	51.5	-	-	-	-	-
		Height:100 Vert		Margin [dB]		3.57	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection
 CRMS - CISPR RMS detection

Job Number: 1001310282 File Number: MC16478 Page 77 of 94
 Model Number: SeeTemp
 Client Name: LUTRON ELECTRONICS INC
 FCC ID: JPZ0074 IC Number: 2851A-JPZ0074

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 437 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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 2000 - 4000MHz -----											
10	2184.769	80.46 PK	-44	21.2	57.66	51.5	-	-	-	-	-
		Height:250 Vert		Margin [dB]		6.16	-	-	-	-	-
11	2619.226	74.31 PK	-43.54	21.4	52.17	51.5	-	-	-	-	-
		Height:250 Vert		Margin [dB]		.67	-	-	-	-	-
12	3058.677	82.45 PK	-42.92	21.8	61.33	51.5	-	-	-	-	-
		Height:250 Vert		Margin [dB]		9.83	-	-	-	-	-
13	3495.63	66.29 PK	-42.87	22.4	45.82	51.5	-	-	-	-	-
		Height:250 Vert		Margin [dB]		-5.68	-	-	-	-	-
14	3932.584	75.12 PK	-42.81	22.7	55.01	51.5	-	-	-	-	-
		Height:250 Vert		Margin [dB]		3.51	-	-	-	-	-
Vertical 4000 - 5000MHz -----											
17	4369.384	77.78 PK	-52.71	27.7	52.77	51.5	-	-	-	-	-
		Height:100 Vert		Margin [dB]		1.27	-	-	-	-	-
18	4806.988	85.58 PK	-53.55	27.3	59.33	51.5	-	-	-	-	-
		Height:100 Vert		Margin [dB]		7.83	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection
 CRMS - CISPR RMS detection

Job Number: 1001310282 File Number: MC16478 Page 78 of 94
 Model Number: SeeTemp
 Client Name: LUTRON ELECTRONICS INC
 FCC ID: JPZ0074 IC Number: 2851A-JPZ0074

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 437 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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]							
=====										
Horizontal 1000 - 2000MHz										
1310.6125	90.89 PK	-45.08	20.5	45.91*	51.5	-	-	-	-	-
Azimuth: 217 Height:347 Horz					Margin [dB]:	-5.59	-	-	-	-
1747.75	88.11 PK	-44.35	20.8	44.16*	-	58.4	-	-	-	-
Azimuth: 183 Height:242 Horz					Margin [dB]:	-	-14.24	-	-	-
Horizontal 2000 - 4000MHz										
2184.325	81.84 PK	-44.02	21.5	38.92*	-	58.4	-	-	-	-
Azimuth: 275 Height:377 Horz					Margin [dB]:	-	-19.48	-	-	-
2621.5125	82.4 PK	-43.56	21.4	39.84*	-	58.4	-	-	-	-
Azimuth: 98 Height:345 Horz					Margin [dB]:	-	-18.56	-	-	-
3058.55	80.52 PK	-42.92	21.6	38.8*	-	58.4	-	-	-	-
Azimuth: 14 Height:351 Horz					Margin [dB]:	-	-19.6	-	-	-
3495.3125	76.02 PK	-42.87	22.2	34.95*	-	58.4	-	-	-	-
Azimuth: 185 Height:385 Horz					Margin [dB]:	-	-23.45	-	-	-
3932.15	81.41 PK	-42.82	22.7	40.89*	51.5	-	-	-	-	-
Azimuth: 1 Height:388 Horz					Margin [dB]:	-	-10.61	-	-	-
Horizontal 4000 - 5000MHz										
4369.2625	79.73 PK	-52.71	27.6	34.22*	51.5	-	-	-	-	-
Azimuth: 299 Height:367 Horz					Margin [dB]:	-	-17.28	-	-	-
4806.25	87.12 PK	-53.55	27.1	40.27*	51.5	-	-	-	-	-
Azimuth: 307 Height:372 Horz					Margin [dB]:	-	-11.23	-	-	-
Vertical 1000 - 2000MHz										
1310.65	89.76 PK	-45.08	20.5	44.78*	51.5	-	-	-	-	-
Azimuth: 98 Height:333 Vert					Margin [dB]:	-	-6.72	-	-	-
1747.7125	82.49 PK	-44.35	20.8	38.54*	-	58.4	-	-	-	-
Azimuth: 295 Height:218 Vert					Margin [dB]:	-	-19.86	-	-	-

***Fundamental or Product of the Fundamental: Duty Cycle Correction Factor of -20.4 applied (see 4.4 for calculation)**

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.231

PK - Peak detector (Maximized)
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection
 CRMS - CISPR RMS detection

Job Number: 1001310282 File Number: MC16478 Page 79 of 94
 Model Number: SeeTemp
 Client Name: LUTRON ELECTRONICS INC
 FCC ID: JPZ0074 IC Number: 2851A-JPZ0074

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 437 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB XMT Packet Mode

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 2000 - 4000MHz											
2184.4125	82.57 PK	-44.01	21.2	39.36*	-	58.4	-	-	-	-	-
Azimuth: 98		Height:225	Vert	Margin [dB]:	-	-19.04	-	-	-	-	-
2621.4	82.05 PK	-43.56	21.4	39.49*	-	58.4	-	-	-	-	-
Azimuth: 296		Height:382	Vert	Margin [dB]:	-	-18.91	-	-	-	-	-
3058.525	85.85 PK	-42.92	21.8	44.33*	-	58.4	-	-	-	-	-
Azimuth: 356		Height:366	Vert	Margin [dB]:	-	-14.07	-	-	-	-	-
3495.2375	77.42 PK	-42.87	22.4	36.55*	-	58.4	-	-	-	-	-
Azimuth: 1		Height:191	Vert	Margin [dB]:	-	-21.85	-	-	-	-	-
3932.425	78.21 PK	-42.82	22.7	37.69*	51.5	-	-	-	-	-	-
Azimuth: 244		Height:296	Vert	Margin [dB]:	-13.81	-	-	-	-	-	-
Vertical 4000 - 5000MHz											
4369.2875	75.6 PK	-52.71	27.7	30.19*	51.5	-	-	-	-	-	-
Azimuth: 281		Height:190	Vert	Margin [dB]:	-21.31	-	-	-	-	-	-
4806.1375	89.93 PK	-53.55	27.3	43.28*	51.5	-	-	-	-	-	-
Azimuth: 348		Height:194	Vert	Margin [dB]:	-8.22	-	-	-	-	-	-

***Fundamental or Product of the Fundamental: Duty Cycle Correction Factor of -20.4 applied (see 4.4 for calculation)**

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: FCC Part 15 Subpart C 15.231

PK - Peak detector (Maximized)
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection
 CRMS - CISPR RMS detection

4.6 Test Conditions and Results – RADIATED EMISSIONS

Test Description	Measurements were made in a 10-meter semi-anechoic chamber that complies to CISPR 16/ANSI C63.4:2003. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10-meter below 1GHz and 4-meters above 1GHz. 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 B	
UL LPG	80-EM-S0029	
	Frequency range	Measurement Point
Fully configured sample scanned over the following frequency range	30MHz – 1GHz	(10 meter measurement distance)
Fully configured sample scanned over the following frequency range	1GHz – 2GHz	(4 meter measurement distance)
Limits - Class B		
Frequency (MHz)	Limit (dBµV/m)	
	Quasi-Peak	Average
30 to 230	30	NA
230 to 1000	37	NA
1000 to 2000	NA	51.5
Supplementary information: None		

Table 21 Radiated Emissions EUT Configuration Settings

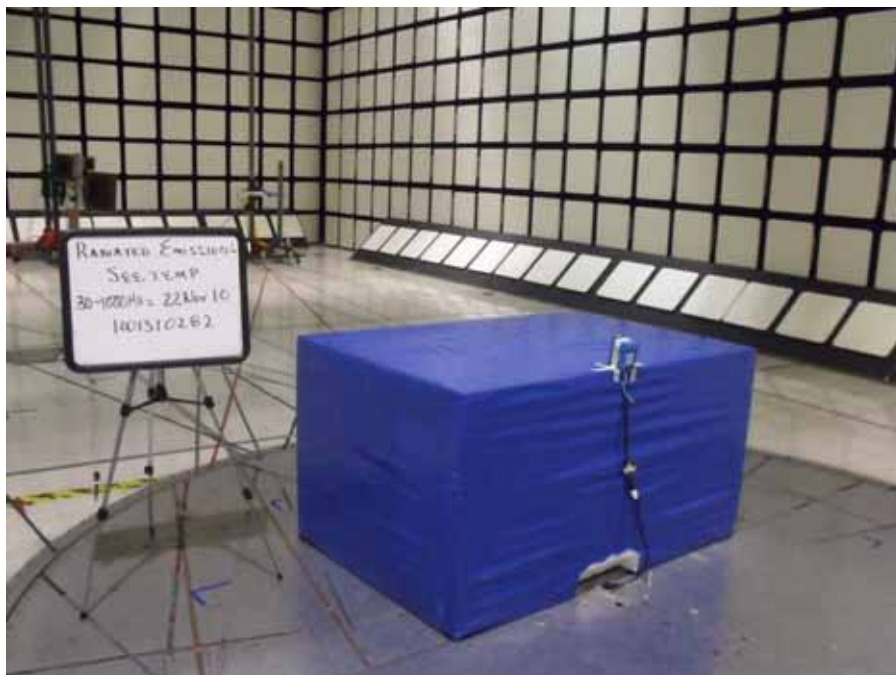
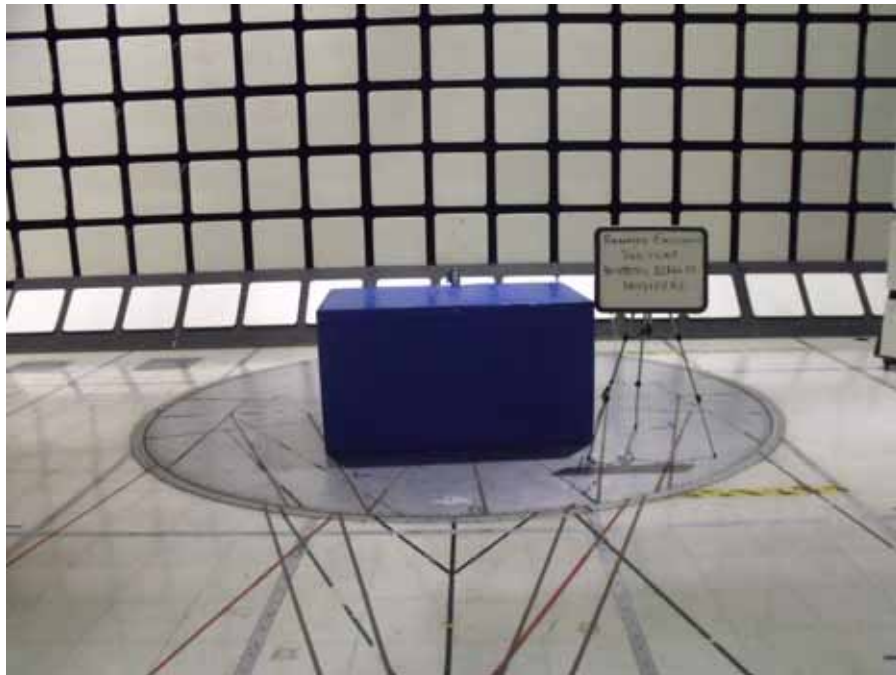
Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	3
1	1	4
Supplementary information: None		

Table 22 Radiated Emissions Test Equipment

Test Equipment Used					
Description	Manufacturer	Model	Identifier	Cal Date	Cal Due Date
30-1000MHz					
EMI Receiver	Rohde & Schwarz	ESIB40	34968	2010-02-22	2011-02-22
Bicon Antenna	Schaffner	VBA6106A	54	2010-04-05	2011-04-05
Log-P Antenna	Schaffner	UPA6109	44068	2010-04-05	2011-04-05
Bias Tee	Miteq	AM-1523-7687	44392	N/A	N/A
Bias Tee	Miteq	AM-1523-7687	44393	N/A	N/A
Preamp	Miteq	AM-3A-000110-7687	44391	N/A	N/A
Preamp	Miteq	AM-3A-000110-7687	44394	N/A	N/A
Switch Driver	HP	11713A	ME7A-627	N/A	N/A
System Controller	Sunol Sciences	SC99V	44396	N/A	N/A
Camera Controller	Panasonic	WV-CU254	44395	N/A	N/A
RF Switch Box	UL	1	44398	N/A	N/A
Measurement Software	UL	Version 9.3	44740	N/A	N/A
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	43734	2010-03-08	2012-03-08
Multimeter	Fluke	83III	ME5B-305	2010-02-01	2011-02-01
Above 1GHz (Band Optimized System)					
Spectrum Analyzer	Agilent	E7405A	19695	2010-02-01	2011-02-01
Horn Antenna (1-2 GHz)	ETS	3161-01	51442	N/A	N/A
Signal Path Controller	HP	11713A	50250	N/A	N/A
Gain Controller	HP	11713A	50251	N/A	N/A
RF Switch / Preamp Fixture	UL	BOMS1	50249	N/A	N/A
System Controller	UL	BOMS2	50252	N/A	N/A
Measurement Software	UL	Version 9.3	44740	N/A	N/A
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	43734	2010-03-08	2012-03-08
Multimeter	Fluke	83III	ME5B-305	2010-02-01	2011-02-01

Job Number: 1001310282 File Number: MC16478 Page 82 of 94
Model Number: SeeTemp
Client Name: LUTRON ELECTRONICS INC
FCC ID: JPZ0074 IC Number: 2851A-JPZ0074

Figure 17 Test setup for Radiated Emissions



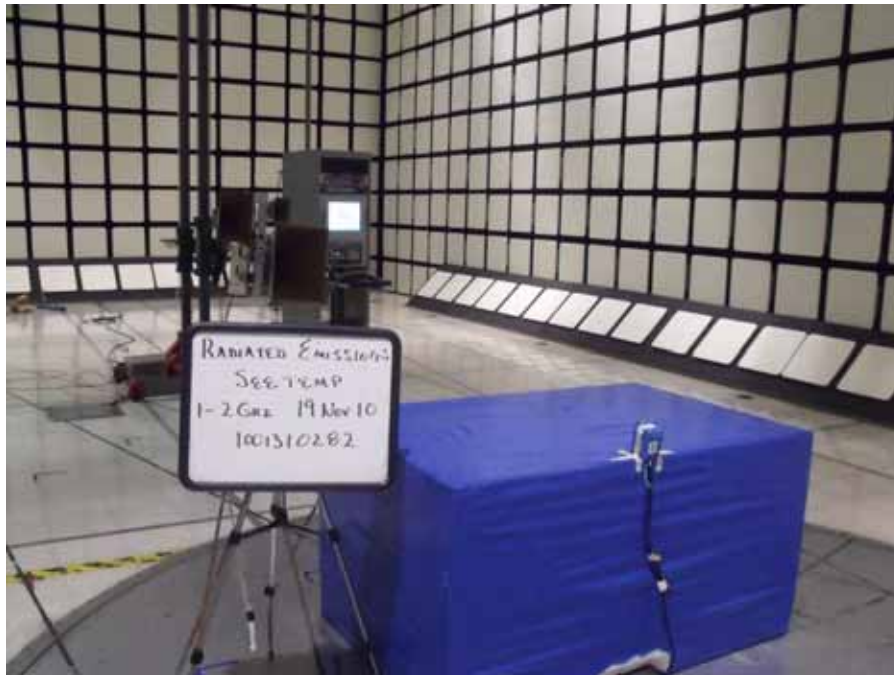
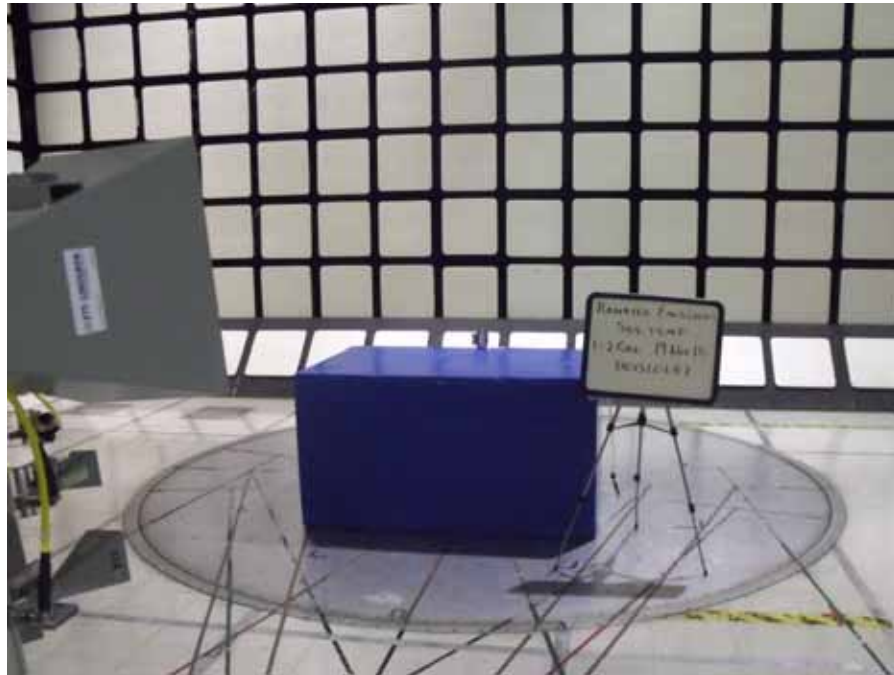


Figure 18 Radiated Emissions Graph

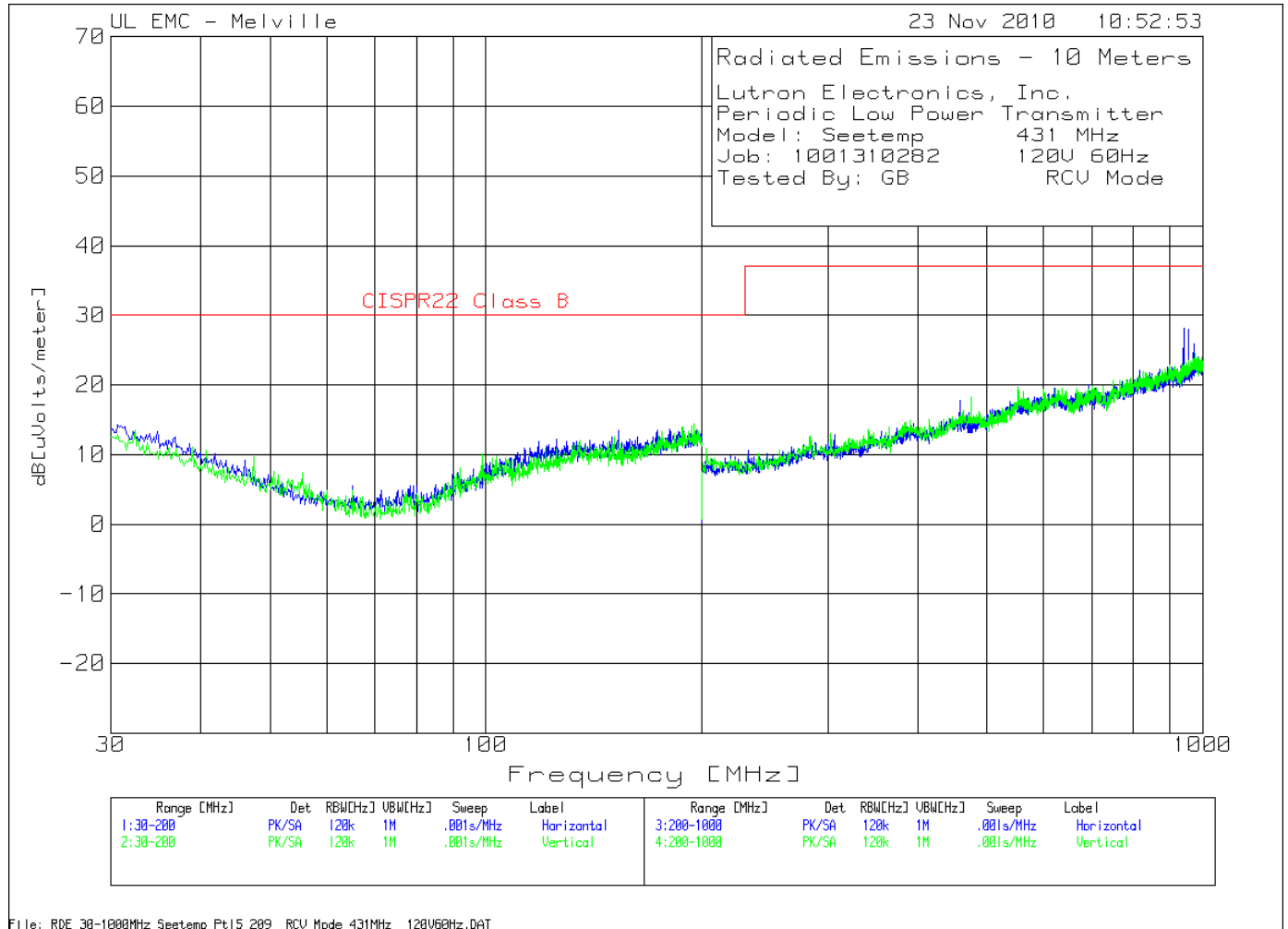


Table 23 Radiated Emissions Data Points

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 431 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB RCV Mode

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	36.1261	32.53 PK	-35.8	15.3	12.03	30	-	-	-	-	-
	Azimuth:17	Height:250	Horz	Margin [dB]		-17.97	-	-	-	-	-
2	108.2783	33.26 PK	-35.7	12	9.56	30	-	-	-	-	-
	Azimuth:196	Height:250	Horz	Margin [dB]		-20.44	-	-	-	-	-
3	153.033	34.13 PK	-35.4	14.7	13.43	30	-	-	-	-	-
	Azimuth:196	Height:100	Horz	Margin [dB]		-16.57	-	-	-	-	-

Vertical 30 - 200MHz											
7	47.5275	34.82 PK	-35.8	10.7	9.72	30	-	-	-	-	-
	Azimuth:17	Height:100	Vert	Margin [dB]		-20.28	-	-	-	-	-
8	55.5255	34.94 PK	-35.9	8.4	7.44	30	-	-	-	-	-
	Azimuth:17	Height:100	Vert	Margin [dB]		-22.56	-	-	-	-	-
9	188.5986	33.04 PK	-35.3	16.2	13.94	30	-	-	-	-	-
	Azimuth:99	Height:100	Vert	Margin [dB]		-16.06	-	-	-	-	-

Horizontal 200 - 1000MHz											
4	939.5698	34.04 PK	-31.5	22.8	25.34	37	-	-	-	-	-
	Azimuth:130	Height:200	Horz	Margin [dB]		-11.66	-	-	-	-	-
5	941.1706	36.85 PK	-31.5	22.8	28.15	37	-	-	-	-	-
	Azimuth:1	Height:200	Horz	Margin [dB]		-8.85	-	-	-	-	-
6	954.3772	36.55 PK	-31.6	23.1	28.05	37	-	-	-	-	-
	Azimuth:96	Height:200	Horz	Margin [dB]		-8.95	-	-	-	-	-

Vertical 200 - 1000MHz											
10	474.9375	33.19 PK	-32.7	17.7	18.19	37	-	-	-	-	-
	Azimuth:136	Height:300	Vert	Margin [dB]		-18.81	-	-	-	-	-
11	551.3757	32.33 PK	-32.3	19.6	19.63	37	-	-	-	-	-
	Azimuth:101	Height:400	Vert	Margin [dB]		-17.37	-	-	-	-	-
12	981.991	30.71 PK	-31.3	24.6	24.01	37	-	-	-	-	-
	Azimuth:62	Height:99	Vert	Margin [dB]		-12.99	-	-	-	-	-

LIMIT 1: CISPR22 Class B
 LIMIT 2: NONE
 LIMIT 3: NONE
 LIMIT 4: NONE
 LIMIT 5: NONE
 LIMIT 6: NONE

Figure 19 Radiated Emissions Graph

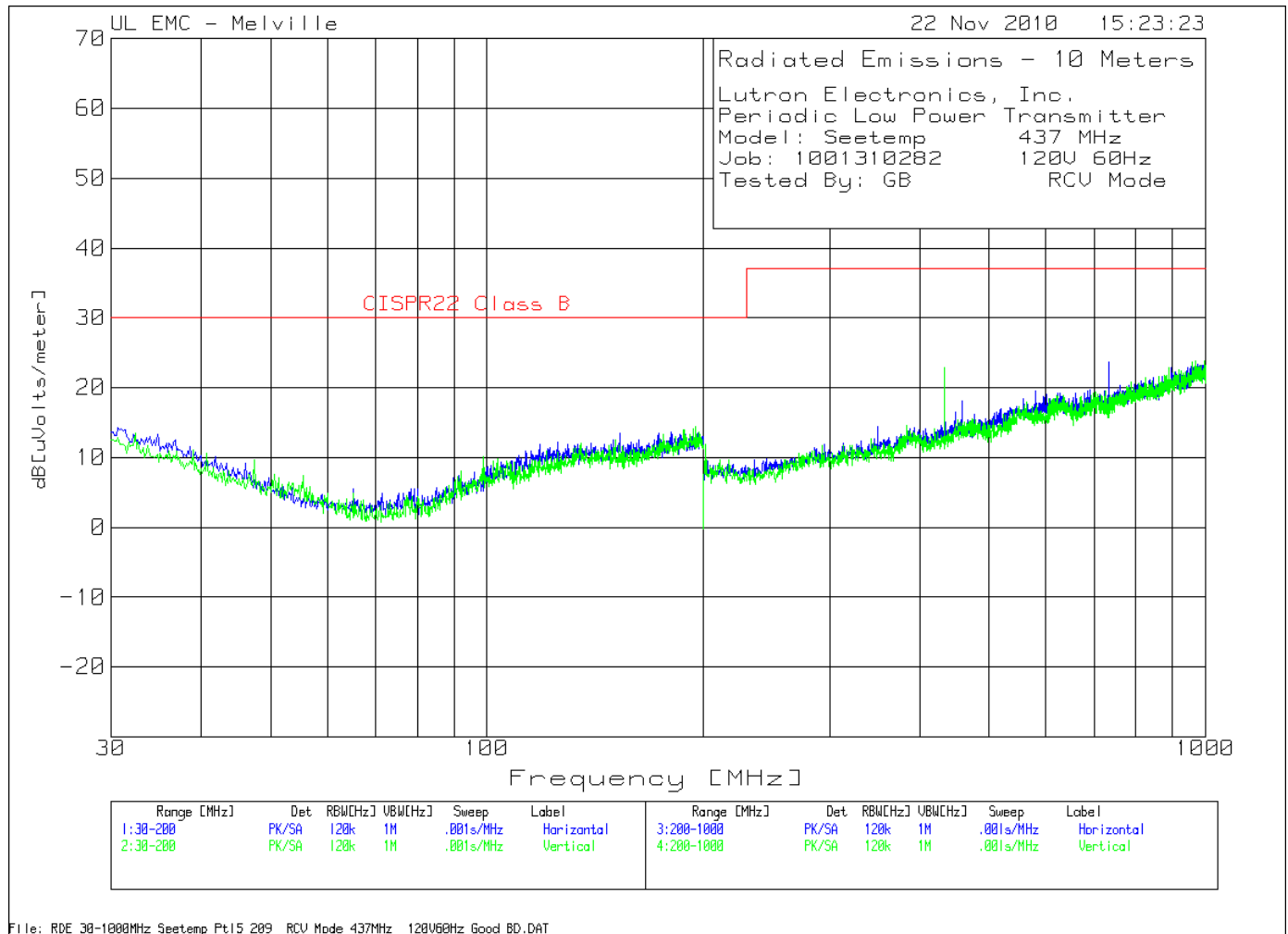


Table 24 Radiated Emissions Data Points

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 437 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB RCV Mode

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	34.7648	33.18 PK	-35.9	16	13.28	30	-	-	-	-	-
	Azimuth:228	Height:250	Horz	Margin [dB]		-16.72	-	-	-	-	-
2	152.1822	32.42 PK	-35.4	14.7	11.72	30	-	-	-	-	-
	Azimuth:261	Height:250	Horz	Margin [dB]		-18.28	-	-	-	-	-
3	177.027	31.75 PK	-35.2	15.2	11.75	30	-	-	-	-	-
	Azimuth:16	Height:400	Horz	Margin [dB]		-18.25	-	-	-	-	-

Vertical 30 - 200MHz -----											
7	47.5275	34.82 PK	-35.8	10.7	9.72	30	-	-	-	-	-
	Azimuth:17	Height:100	Vert	Margin [dB]		-20.28	-	-	-	-	-
8	55.5255	34.94 PK	-35.9	8.4	7.44	30	-	-	-	-	-
	Azimuth:17	Height:100	Vert	Margin [dB]		-22.56	-	-	-	-	-
9	193.8739	32.95 PK	-35.3	16.4	14.05	30	-	-	-	-	-
	Azimuth:1	Height:100	Vert	Margin [dB]		-15.95	-	-	-	-	-

Horizontal 200 - 1000MHz -----											
4	349.6748	33.03 PK	-33.5	14.9	14.43	37	-	-	-	-	-
	Azimuth:120	Height:101	Horz	Margin [dB]		-22.57	-	-	-	-	-
5	458.1291	34.17 PK	-32.8	16.8	18.17	37	-	-	-	-	-
	Azimuth:112	Height:101	Horz	Margin [dB]		-18.83	-	-	-	-	-
6	733.0665	35.52 PK	-32.1	20.2	23.62	37	-	-	-	-	-
	Azimuth:171	Height:101	Horz	Margin [dB]		-13.38	-	-	-	-	-

Vertical 200 - 1000MHz -----											
10	433.3167	39.75 PK	-32.8	15.9	22.85	37	-	-	-	-	-
	Azimuth:1	Height:101	Vert	Margin [dB]		-14.15	-	-	-	-	-
11	478.9395	30.43 PK	-32.7	17.7	15.43	37	-	-	-	-	-
	Azimuth:203	Height:101	Vert	Margin [dB]		-21.57	-	-	-	-	-
12	895.948	29.96 PK	-31.8	23.1	21.26	37	-	-	-	-	-
	Azimuth:60	Height:101	Vert	Margin [dB]		-15.74	-	-	-	-	-

LIMIT 1: CISPR22 Class B
 LIMIT 2: NONE
 LIMIT 3: NONE
 LIMIT 4: NONE
 LIMIT 5: NONE
 LIMIT 6: NONE

PK - Peak detector
 QP - Quasi-Peak detector
 LnAv - Linear average detector
 LgAv - Average log detector
 Av - Average detector
 CAV - CISPR Average detector
 RMS - RMS detection
 CRMS - CISPR RMS detection

Figure 20 Radiated Emissions Graph

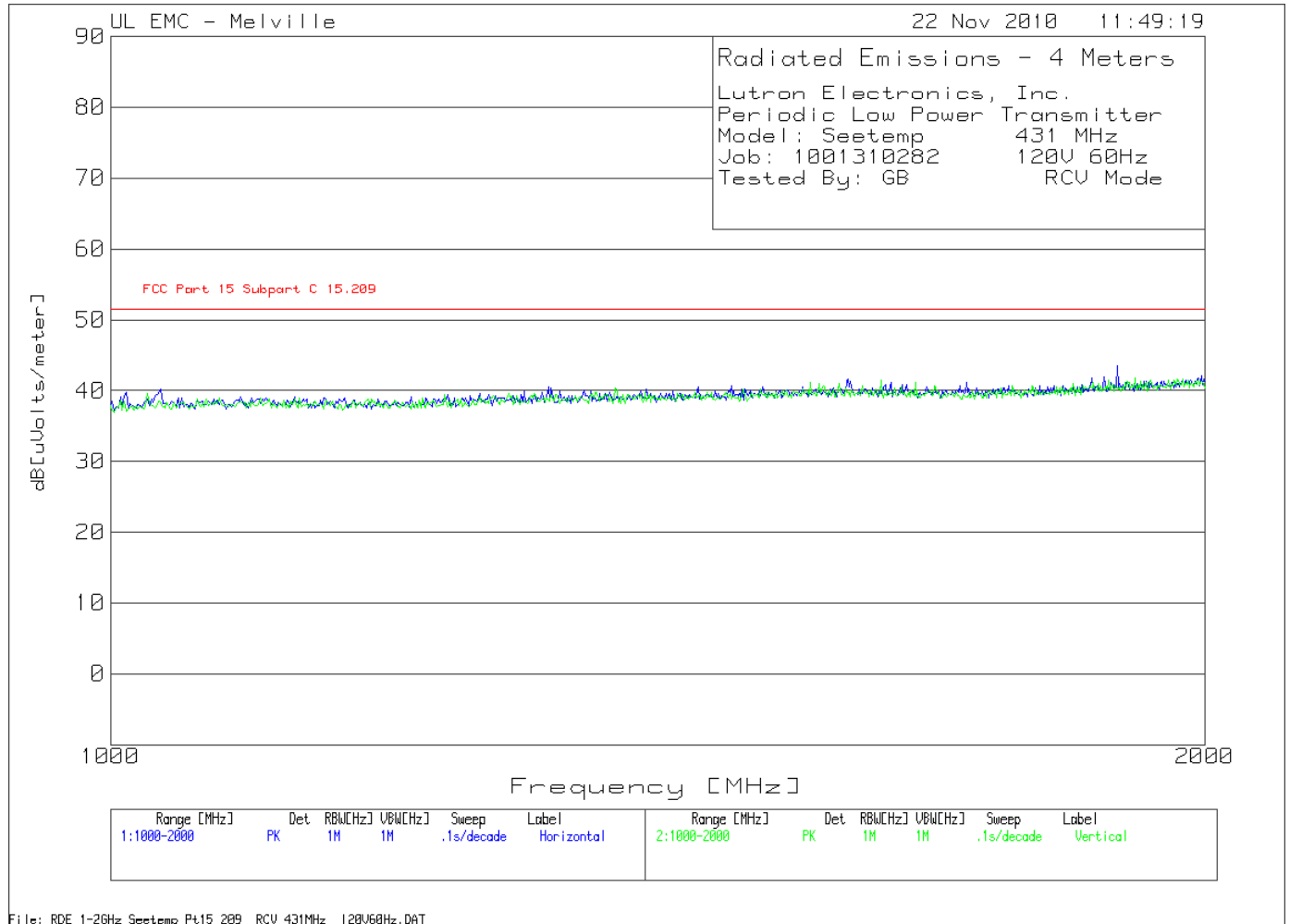


Table 25 Radiated Emissions Data Points

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 431 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB RCV Mode

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 - 2000MHz -----											
1	1009.988	65.57 PK	-45.23	19.4	39.74	51.5	-	-	-	-	-
		Height:100	Horz	Margin [dB]		-11.76	-	-	-	-	-
2	1032.459	65.87 PK	-45.21	19.5	40.16	51.5	-	-	-	-	-
		Height:100	Horz	Margin [dB]		-11.34	-	-	-	-	-
3	1319.6	65.21 PK	-45.12	20.5	40.59	51.5	-	-	-	-	-
		Height:100	Horz	Margin [dB]		-10.91	-	-	-	-	-
4	1481.898	64.57 PK	-44.71	20.8	40.66	51.5	-	-	-	-	-
		Height:100	Horz	Margin [dB]		-10.84	-	-	-	-	-
5	1595.506	64.9 PK	-44.53	21.2	41.57	51.5	-	-	-	-	-
		Height:250	Horz	Margin [dB]		-9.93	-	-	-	-	-
6	1892.634	66.1 PK	-44.12	21.6	43.58	51.5	-	-	-	-	-
		Height:250	Horz	Margin [dB]		-7.92	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: NONE
 LIMIT 3: NONE
 LIMIT 4: NONE
 LIMIT 5: NONE
 LIMIT 6: NONE

PK - Peak detector
 QP - Quasi-Peak detector
 LgAv - Log average detection
 LnAv - Linear average detector
 Av - Average detection
 CAV - CISPR average detection

Figure 21 Radiated Emissions Graph

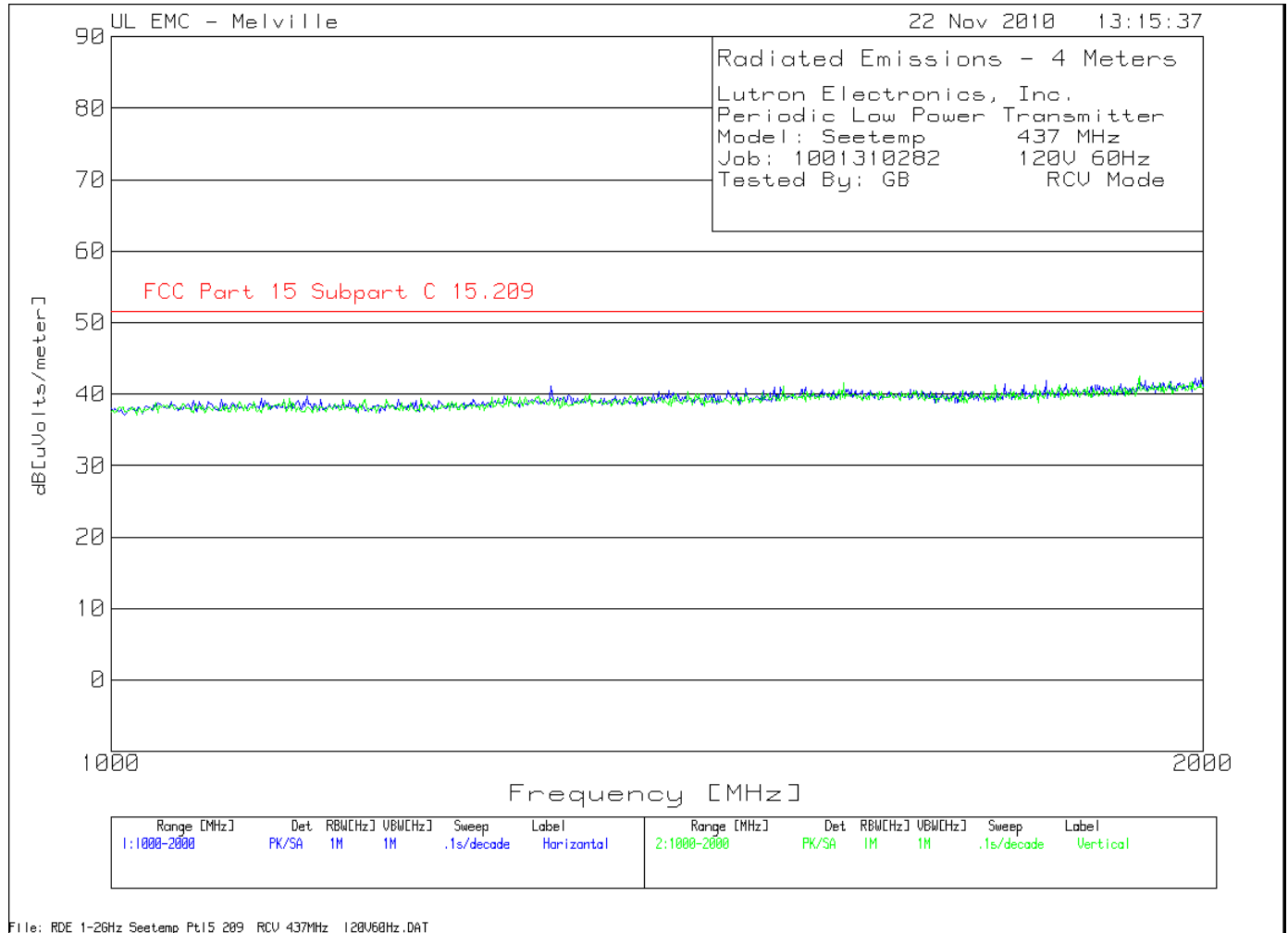


Table 26 Radiated Emissions Data Points

Lutron Electronics, Inc.
 Periodic Low Power Transmitter
 Model: Seetemp 437 MHz
 Job: 1001310282 120V 60Hz
 Tested By: GB RCV Mode

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 - 2000MHz -----											
1	1132.335	19.75 PK	0	19.9	39.65	51.5	-	-	-	-	-
		Height:100	Horz	Margin [dB]		-11.85	-	-	-	-	-
2	1322.097	20.66 PK	0	20.5	41.16	51.5	-	-	-	-	-
		Height:100	Horz	Margin [dB]		-10.34	-	-	-	-	-
3	1810.237	20.79 PK	0	21.1	41.89	51.5	-	-	-	-	-
		Height:100	Horz	Margin [dB]		-9.61	-	-	-	-	-
Vertical 1000 - 2000MHz -----											
4	1073.658	18.73 PK	0	19.8	38.53	51.5	-	-	-	-	-
		Height:100	Vert	Margin [dB]		-12.97	-	-	-	-	-
5	1217.228	19.58 PK	0	19.9	39.48	51.5	-	-	-	-	-
		Height:100	Vert	Margin [dB]		-12.02	-	-	-	-	-
6	1591.76	20.36 PK	0	21.2	41.56	51.5	-	-	-	-	-
		Height:100	Vert	Margin [dB]		-9.94	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209
 LIMIT 2: NONE
 LIMIT 3: NONE
 LIMIT 4: NONE
 LIMIT 5: NONE
 LIMIT 6: NONE

PK - Peak detector
 QP - Quasi-Peak detector
 LgAv - Log average detection
 LnAv - Linear average detector

Appendix A

Accreditations and Authorizations



NVLAP Lab code: 100255-0

NVLAP: The National Institute of Standards and Technology (NIST) administers the National Voluntary Laboratory Accreditation Program (NVLAP). NVLAP is comprised of laboratory accreditation programs (LAPs) which are established on the basis of requests and demonstrated need. Each LAP includes specific calibration and/or test standards and related methods and protocols assembled to satisfy the unique needs for accreditation in a field of testing or calibration. NVLAP accredits public and private laboratories based on evaluation of their technical qualifications and competence to carry out specific calibrations or tests. Accreditation criteria are established in accordance with the U.S. Code of Federal Regulations (CFR, Title 15, Part 285), NVLAP Procedures and General Requirements, and encompass the requirements of ISO/IEC 17025. 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-83400, and C-81879 and (Conducted Emissions - Telecommunications Ports) T-1582 and T-1583.



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 2004/108/EC, Annex III (2-3). 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