Underwriters Laboratories Inc.
1285 Walt Whitman Rd.
Melville, NY 11747

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Job Number:	952983
Project Number:	08CA15832
File Number:	MC15896
Date:	01 July 2008
Revision Date:	16 July 2008
Model:	SZ-6D-WH
FCC ID:	JPZ0054
Industry Canada ID:	2851A-JPZ0054

Electromagnetic Compatibility Test Report

For

LUTRON ELECTRONICS INC

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: Phone: E-mail:	**BOB SPEHALSKI (610) 282-7424 RSPEHALSKI@LUTRON.COM**
Test Report Date:	**23 Jun 2008**
Test Report Revision Date:	**16 July 2008**
Product Type:	**Dimmer with wireless control**
Product standards	**FCC Part 15, Subpart C, RSS-GEN, RSS-210**
Model Number:	**SZ-6D-WH**
Sample Serial Number:	**Non-Serialized Demonstration Unit**
EUT Category:	**Periodic Low Power Transmitter**
Testing Start Date:	**22 May 2008**
Date Testing Complete:	**19 Jun 2008**

Overall Results: **Compliant**

Report Directory

Report Revision History

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

1.0 G E N E R A L - Product Description

1.1 Equipment Description

Stanza dimmers function much like standard dimmers and switches, and have an integral microprocessor, allowing them to be incorporated into a complete lighting control system. Stanza dimmers are useful in locations where single circuits of lighting need to be dimmed and switched. Stanza dimmers include a front accessible service switch (FASSTM) for safe bulb replacement.

Allows local dimming and switching (toggle On/Off) control of one zone of halogen, incandescent, or magnetic low-voltage loads.
• Light level can also be adjusted, if addressed as part of a Stanza lighting control system, via an RF command from a keypad or integration device.
• 3-way operation can be obtained using a dimmer and a keypad.
• Screw terminals and push-in connections simplify installation.
• Shallow back cover takes up less room in the wall box.
• Large controls designed with ADA and Universal Design considerations.
• Two-wire (plus ground) installation allows easy replacement of existing switches.

The antenna in integral to the device and cannot be removed. The antenna is PCB mounted. The device is categorically exempt from human exposure requirements.

1.2 Equipment Marking Plate

Not available.

1.3 Device Configuration During Test

1.3.1 Equipment Used During Test:

Use	Product Type	Manufacturer	Model	Comments
EUT	Dimmer with wireless control	LUTRON ELECTRONICS INC	SZ-6D-WH	None
SIM	120Vac 100W light bulb	GE	100W	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:

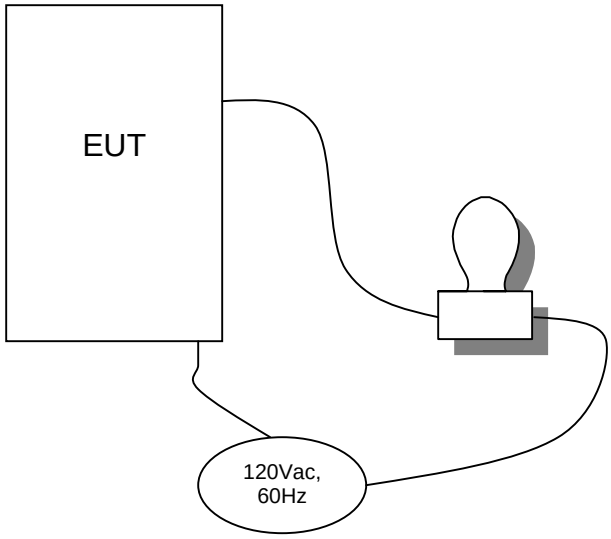
Frequency (MHz)	Description
431	Fundamental Frequency
434	Fundamental Frequency
437	Fundamental Frequency
0.3072	IF Signal
32	Microcontroller

1.3.4 Power Interface:

Mode # /Rated	Voltage (V)	Current (A)	Power (W)	Frequency (DC/AC-Hz)	Phases (#)	Comments
Rated	120Vac	-	-	60Hz	1	None
1	120Vac	-	-	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 with lamp for a load

1.6 EUT Operation Modes

Mode #	Description
1	Continuously transmitting 431MHz
2	Continuously transmitting 434 MHz
3	Continuously transmitting 437 MHz
4	Normal transmission 431MHz
5	Normal transmission 434 MHz
6	Normal transmission 437 MHz
7	Receive 431 MHz
8	Receive 434 MHz
9	Receive 437 MHz

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	2007
47 CFR Part 15, Subpart C	Code of Federal Regulations, Part 15, Radio Frequency Devices	2007
ICES-003, Issue 4	Interference-Causing Equipment Standard – Digital Apparatus	2004
RSS-GEN, Issue 7	General Requirements and Information for the Certification of Radiocommunication Equipment	2007
RSS-210, Issue 2	Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment	2007

2.4 Results Summary

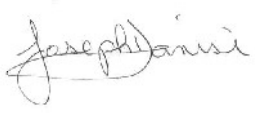
This product is considered Class B and a Periodic Transmitter

Requirement – Test	Result (Compliant / Non-Compliant)*
Conducted Emissions - Mains	Compliant
Radiated Emissions – Transmit Mode	Compliant
Radiated Emissions - Unintentional	Compliant
Cease Operation	Compliant
Occupied Bandwidth – 20dB	Compliant
Occupied Bandwidth – 99%	Compliant
Pulse Train Measurement	Compliant

Test Engineer:

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

Reviewer:



Joe Danisi(Ext.23055)
Lead Engineering Associate
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:

---------- North America ----------

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, ICES-003

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

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 B, 15.107, FCC Part 15, Subpart C, 15.207, RSS-GEN, RSS-210	
UL LPG		80-EM-S0026	
		Frequency range on each side of line	Measurement Point
Fully configured sample scanned over the following frequency range		150kHz to 30MHz	Mains

Limits

Frequency (MHz)	Limit (dBµV)	
	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	3
1	1	8
Supplementary information: Since the power supply is the same for all modes, receive mode was only measured at one frequency.		

Table 2 Conducted Emissions Test Equipment

Test Equipment Used			
Description	Manufacturer	Model	Identifier
Conducted Emissions – GP 1			
EMI Receiver	Rohde & Schwarz	ESIB26	ME5B-081
LISN	EMCO	3825/2R	ME5-790
Switch Driver	HP	11713A	44397
RF Switch Box	UL	4	44404
Measurement Software	UL	Version 9.3	44736
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	43734
Multimeter	Fluke	87V	44547

Figure 1 Test Setup for Conducted Emissions

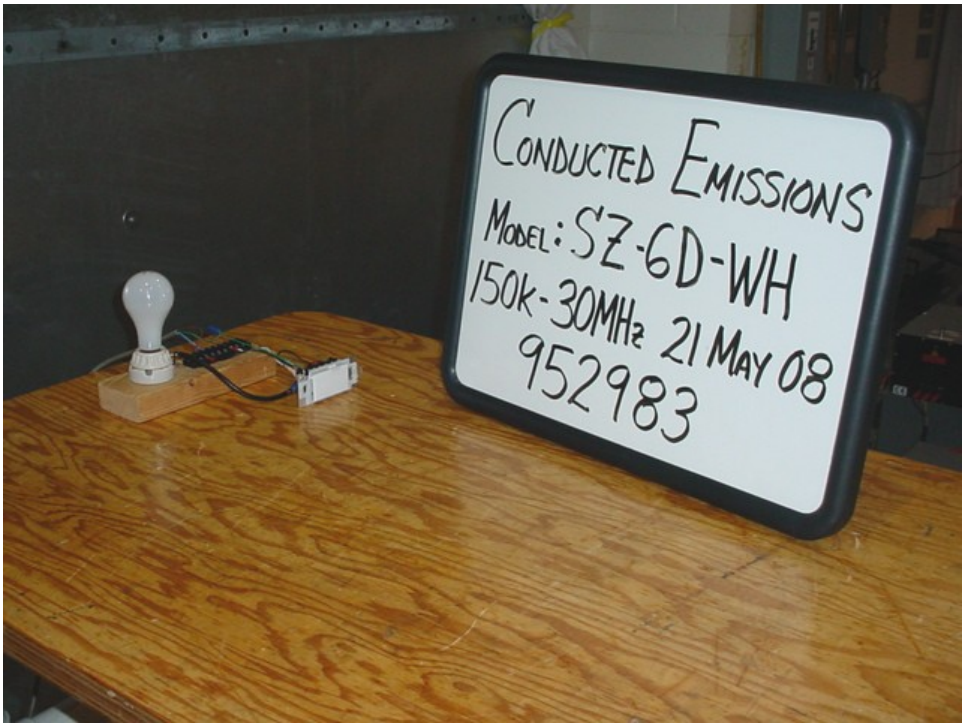


Figure 2 Conducted Emissions Graph

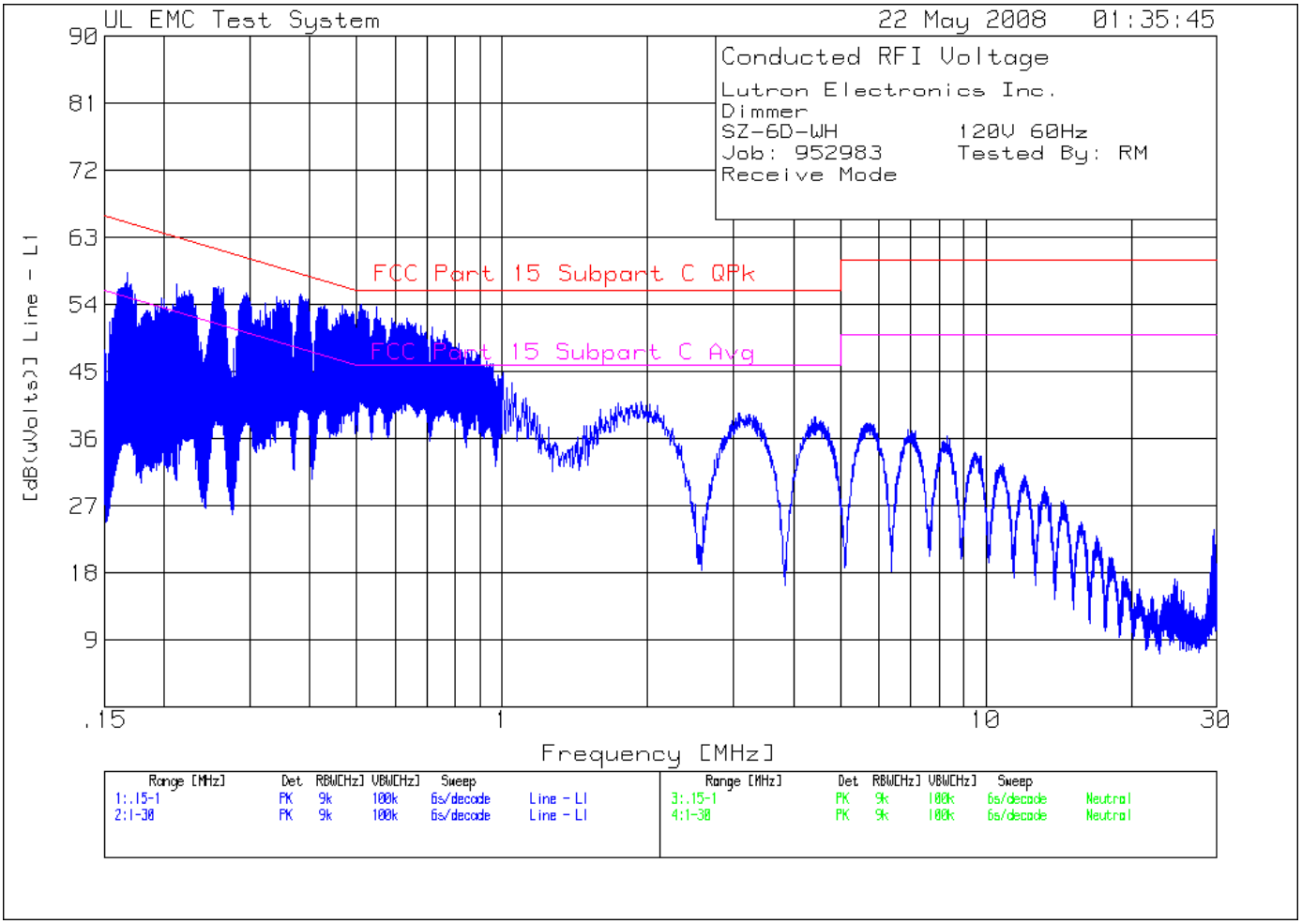


Figure 3 Conducted Emissions Graph

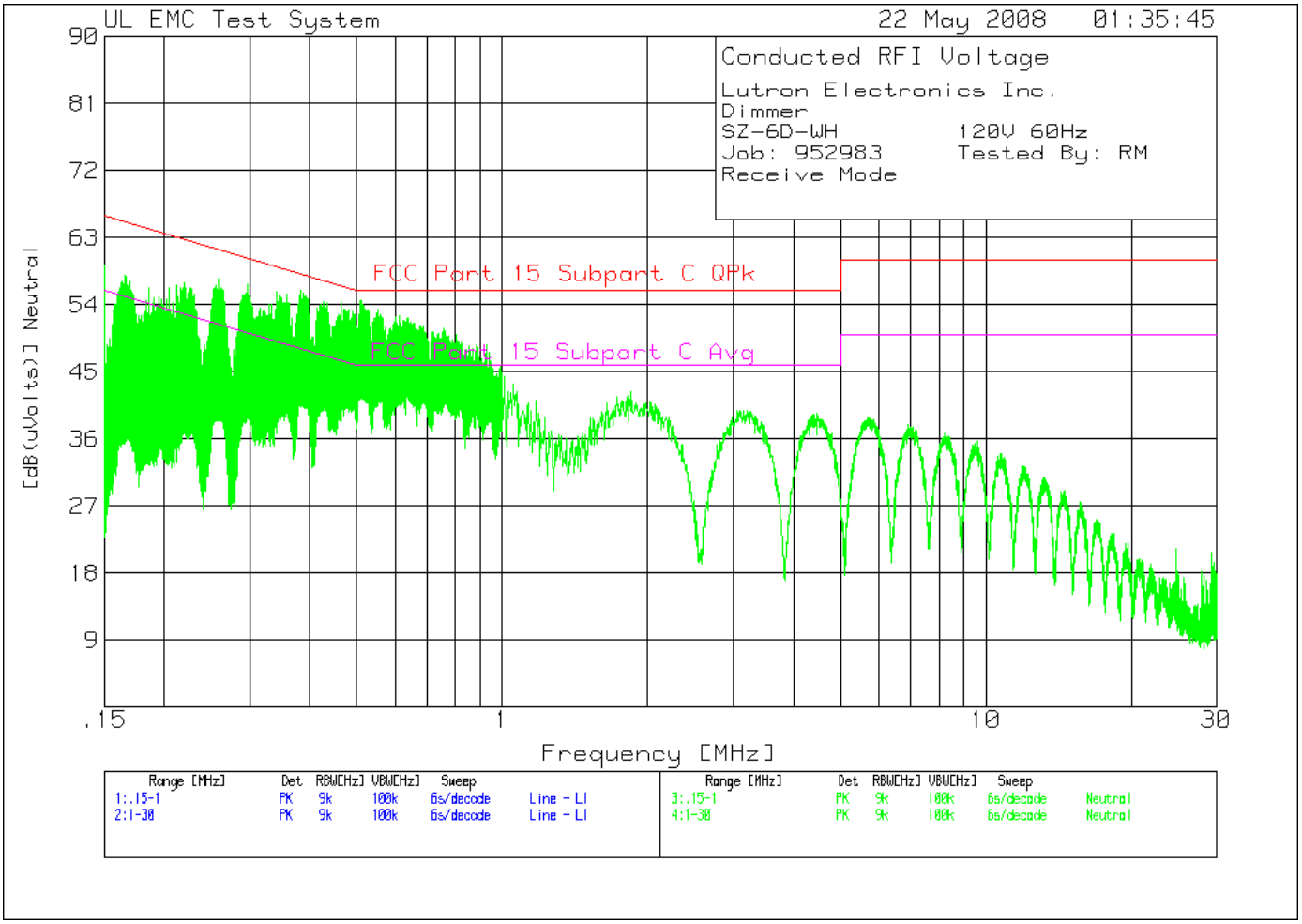


Table 3 Conducted Emissions Data Points

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Receive Mode

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	.16734	46.45	pk	11.8	0	58.25	65.1	55.1	-	-	-	-
					Margin [dB]		-6.85	3.15	-	-	-	-
2	.19693	43.53	pk	11.4	0	54.93	63.7	53.7	-	-	-	-
					Margin [dB]		-8.77	1.23	-	-	-	-
3	.22567	44.75	pk	11.2	0	55.95	62.6	52.6	-	-	-	-
					Margin [dB]		-6.65	3.35	-	-	-	-
4	.25814	45.47	pk	11	0	56.47	61.5	51.5	-	-	-	-
					Margin [dB]		-5.03	4.97	-	-	-	-
5	.29453	44.61	pk	10.9	0	55.51	60.4	50.4	-	-	-	-
					Margin [dB]		-4.89	5.11	-	-	-	-
6	.34214	44.37	pk	10.7	0	55.07	59.2	49.2	-	-	-	-
					Margin [dB]		-4.13	5.87	-	-	-	-
7	.39111	44.19	pk	10.6	0	54.79	58	48	-	-	-	-
					Margin [dB]		-3.21	6.79	-	-	-	-
8	.42818	43.27	pk	10.6	0	53.87	57.3	47.3	-	-	-	-
					Margin [dB]		-3.43	6.57	-	-	-	-
9	.4666	43.44	pk	10.5	0	53.94	56.6	46.6	-	-	-	-
					Margin [dB]		-2.66	7.34	-	-	-	-
10	.51047	43.56	pk	10.5	0	54.06	56	46	-	-	-	-
					Margin [dB]		-1.94	8.06	-	-	-	-
11	.54907	43.31	pk	10.5	0	53.81	56	46	-	-	-	-
					Margin [dB]		-2.19	7.81	-	-	-	-
12	.6346	41.77	pk	10.4	0	52.17	56	46	-	-	-	-
					Margin [dB]		-3.83	6.17	-	-	-	-
13	.71791	40.54	pk	10.4	0	50.94	56	46	-	-	-	-
					Margin [dB]		-5.06	4.94	-	-	-	-
14	.76705	39.01	pk	10.4	0	49.41	56	46	-	-	-	-
					Margin [dB]		-6.59	3.41	-	-	-	-
15	.88404	37.23	pk	10.4	0	47.63	56	46	-	-	-	-
					Margin [dB]		-8.37	1.63	-	-	-	-
16	.92638	36.09	pk	10.4	0	46.49	56	46	-	-	-	-
					Margin [dB]		-9.51	.49	-	-	-	-
17	.32327	43.42	pk	10.8	0	54.22	59.6	49.6	-	-	-	-
					Margin [dB]		-5.38	4.62	-	-	-	-
18	.59073	41.64	pk	10.5	0	52.14	56	46	-	-	-	-
					Margin [dB]		-3.86	6.14	-	-	-	-
19	.9983	34.07	pk	10.4	0	44.47	56	46	-	-	-	-
					Margin [dB]		-11.53	-1.53	-	-	-	-

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

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	1.04641	33.19 pk	10.4	0	43.59	56	46	-	-	-	-
				Margin [dB]		-12.41	-2.41	-	-	-	-
21	1.11602	31.13 pk	10.3	0	41.43	56	46	-	-	-	-
				Margin [dB]		-14.57	-4.57	-	-	-	-
22	1.93979	30.68 pk	10.3	0	40.98	56	46	-	-	-	-
				Margin [dB]		-15.02	-5.02	-	-	-	-
23	2.09642	30.17 pk	10.3	0	40.47	56	46	-	-	-	-
				Margin [dB]		-15.53	-5.53	-	-	-	-
24	3.22184	28.86 pk	10.4	0	39.26	56	46	-	-	-	-
				Margin [dB]		-16.74	-6.74	-	-	-	-
25	4.45169	28.52 pk	10.4	0	38.92	56	46	-	-	-	-
				Margin [dB]		-17.08	-7.08	-	-	-	-
Neutral .15 - 1MHz ----------											
26	.16547	46.15 pk	11.9	0	58.05	65.2	55.2	-	-	-	-
				Margin [dB]		-7.15	2.85	-	-	-	-
27	.18571	44.67 pk	11.6	0	56.27	64.2	54.2	-	-	-	-
				Margin [dB]		-7.93	2.07	-	-	-	-
28	.21954	45.63 pk	11.3	0	56.93	62.8	52.8	-	-	-	-
				Margin [dB]		-5.87	4.13	-	-	-	-
29	.25797	46.4 pk	11	0	57.4	61.5	51.5	-	-	-	-
				Margin [dB]		-4.1	5.9	-	-	-	-
30	.29657	45.83 pk	10.9	0	56.73	60.3	50.3	-	-	-	-
				Margin [dB]		-3.57	6.43	-	-	-	-
31	.34503	44.51 pk	10.7	0	55.21	59.1	49.1	-	-	-	-
				Margin [dB]		-3.89	6.11	-	-	-	-
32	.38244	45.15 pk	10.7	0	55.85	58.2	48.2	-	-	-	-
				Margin [dB]		-2.35	7.65	-	-	-	-
33	.42767	43.87 pk	10.6	0	54.47	57.3	47.3	-	-	-	-
				Margin [dB]		-2.83	7.17	-	-	-	-
34	.46303	43.74 pk	10.6	0	54.34	56.6	46.6	-	-	-	-
				Margin [dB]		-2.26	7.74	-	-	-	-
35	.50775	44.13 pk	10.5	0	54.63	56	46	-	-	-	-
				Margin [dB]		-1.37	8.63	-	-	-	-
36	.55876	42.16 pk	10.5	0	52.66	56	46	-	-	-	-
				Margin [dB]		-3.34	6.66	-	-	-	-
37	.61113	41.96 pk	10.5	0	52.46	56	46	-	-	-	-
				Margin [dB]		-3.54	6.46	-	-	-	-
38	.68833	40.81 pk	10.4	0	51.21	56	46	-	-	-	-
				Margin [dB]		-4.79	5.21	-	-	-	-
39	.75753	40.52 pk	10.4	0	50.92	56	46	-	-	-	-
				Margin [dB]		-5.08	4.92	-	-	-	-
40	.82436	38.66 pk	10.4	0	49.06	56	46	-	-	-	-
				Margin [dB]		-6.94	3.06	-	-	-	-
41	.8905	37.92 pk	10.4	0	48.32	56	46	-	-	-	-
				Margin [dB]		-7.68	2.32	-	-	-	-
42	.92859	38.23 pk	10.4	0	48.63	56	46	-	-	-	-
				Margin [dB]		-7.37	2.63	-	-	-	-
43	.94117	37.17 pk	10.4	0	47.57	56	46	-	-	-	-
				Margin [dB]		-8.43	1.57	-	-	-	-

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

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											
44	1.05221	33.05 pk	10.4	0	43.45	56	46	-	-	-	-
				Margin [dB]		-12.55	-2.55	-	-	-	-
45	1.17404	30.73 pk	10.4	0	41.13	56	46	-	-	-	-
				Margin [dB]		-14.87	-4.87	-	-	-	-
46	1.84117	31.89 pk	10.4	0	42.29	56	46	-	-	-	-
				Margin [dB]		-13.71	-3.71	-	-	-	-
47	2.021	30.58 pk	10.4	0	40.98	56	46	-	-	-	-
				Margin [dB]		-15.02	-5.02	-	-	-	-
48	3.14643	29.45 pk	10.4	0	39.85	56	46	-	-	-	-
				Margin [dB]		-16.15	-6.15	-	-	-	-
49	4.41108	28.91 pk	10.4	0	39.31	56	46	-	-	-	-
				Margin [dB]		-16.69	-6.69	-	-	-	-

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

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Receive Mode

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										
.16577	44 qp	11.8	0	55.8	65.2	55.2	-	-	-	-
			Margin [dB]:		-9.4	.6	-	-	-	-
.19851	39.75 qp	11.4	0	51.15	63.7	53.7	-	-	-	-
			Margin [dB]:		-12.55	-2.55	-	-	-	-
.22421	42.7 qp	11.2	0	53.9	62.7	52.7	-	-	-	-
			Margin [dB]:		-8.8	1.2	-	-	-	-
.25886	43.79 qp	11	0	54.79	61.5	51.5	-	-	-	-
			Margin [dB]:		-6.71	3.29	-	-	-	-
.29459	42.7 qp	10.9	0	53.6	60.4	50.4	-	-	-	-
			Margin [dB]:		-6.8	3.2	-	-	-	-
.34333	40.67 qp	10.7	0	51.37	59.1	49.1	-	-	-	-
			Margin [dB]:		-7.73	2.27	-	-	-	-
.39126	41.77 qp	10.6	0	52.37	58	48	-	-	-	-
			Margin [dB]:		-5.63	4.37	-	-	-	-
.42751	40.6 qp	10.6	0	51.2	57.3	47.3	-	-	-	-
			Margin [dB]:		-6.1	3.9	-	-	-	-
.46563	37.72 qp	10.5	0	48.22	56.6	46.6	-	-	-	-
			Margin [dB]:		-8.38	1.62	-	-	-	-
.51159	39.46 qp	10.5	0	49.96	56	46	-	-	-	-
			Margin [dB]:		-6.04	3.96	-	-	-	-
.55037	38.22 qp	10.5	0	48.72	56	46	-	-	-	-
			Margin [dB]:		-7.28	2.72	-	-	-	-
.63443	38.25 qp	10.4	0	48.65	56	46	-	-	-	-
			Margin [dB]:		-7.35	2.65	-	-	-	-
.71891	33.73 qp	10.4	0	44.13	56	46	-	-	-	-
			Margin [dB]:		-11.87	-1.87	-	-	-	-
.7656	34.67 qp	10.4	0	45.07	56	46	-	-	-	-
			Margin [dB]:		-10.93	-.93	-	-	-	-
.88519	33.4 qp	10.4	0	43.8	56	46	-	-	-	-
			Margin [dB]:		-12.2	-2.2	-	-	-	-
.92559	32.24 qp	10.4	0	42.64	56	46	-	-	-	-
			Margin [dB]:		-13.36	-3.36	-	-	-	-
.32465	38.36 qp	10.8	0	49.16	59.6	49.6	-	-	-	-
			Margin [dB]:		-10.44	-.44	-	-	-	-
.59061	35.4 qp	10.5	0	45.9	56	46	-	-	-	-
			Margin [dB]:		-10.1	-.1	-	-	-	-
.99758	29.08 qp	10.4	0	39.48	56	46	-	-	-	-
			Margin [dB]:		-16.52	-6.52	-	-	-	-

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

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

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

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										
1.0556	29.46 qp	10.4	0	39.86	56	46	-	-	-	-
			Margin [dB]:		-16.14	-6.14	-	-	-	-
1.10823	26.26 qp	10.3	0	36.56	56	46	-	-	-	-
			Margin [dB]:		-19.44	-9.44	-	-	-	-
1.94377	25.75 qp	10.3	0	36.05	56	46	-	-	-	-
			Margin [dB]:		-19.95	-9.95	-	-	-	-
2.08779	26.37 qp	10.3	0	36.67	56	46	-	-	-	-
			Margin [dB]:		-19.33	-9.33	-	-	-	-
3.22919	27.5 qp	10.4	0	37.9	56	46	-	-	-	-
			Margin [dB]:		-18.1	-8.1	-	-	-	-
4.45635	28.04 qp	10.4	0	38.44	56	46	-	-	-	-
			Margin [dB]:		-17.56	-7.56	-	-	-	-
Neutral .15 - 1MHz										
.16502	44.01 qp	11.9	0	55.91	65.2	55.2	-	-	-	-
			Margin [dB]:		-9.29	.71	-	-	-	-
.18587	39.65 qp	11.6	0	51.25	64.2	54.2	-	-	-	-
			Margin [dB]:		-12.95	-2.95	-	-	-	-
.22087	43 qp	11.3	0	54.3	62.8	52.8	-	-	-	-
			Margin [dB]:		-8.5	1.5	-	-	-	-
.25883	43.68 qp	11	0	54.68	61.5	51.5	-	-	-	-
			Margin [dB]:		-6.82	3.18	-	-	-	-
.29557	42.76 qp	10.9	0	53.66	60.4	50.4	-	-	-	-
			Margin [dB]:		-6.74	3.26	-	-	-	-
.3464	41.9 qp	10.7	0	52.6	59.1	49.1	-	-	-	-
			Margin [dB]:		-6.5	3.5	-	-	-	-
.38393	42.45 qp	10.7	0	53.15	58.2	48.2	-	-	-	-
			Margin [dB]:		-5.05	4.95	-	-	-	-
.42722	40.79 qp	10.6	0	51.39	57.3	47.3	-	-	-	-
			Margin [dB]:		-5.91	4.09	-	-	-	-
.46278	37.33 qp	10.6	0	47.93	56.6	46.6	-	-	-	-
			Margin [dB]:		-8.67	1.33	-	-	-	-
.50915	40.28 qp	10.5	0	50.78	56	46	-	-	-	-
			Margin [dB]:		-5.22	4.78	-	-	-	-
.55951	38.29 qp	10.5	0	48.79	56	46	-	-	-	-
			Margin [dB]:		-7.21	2.79	-	-	-	-
.61035	36.96 qp	10.5	0	47.46	56	46	-	-	-	-
			Margin [dB]:		-8.54	1.46	-	-	-	-
.68904	35.98 qp	10.4	0	46.38	56	46	-	-	-	-
			Margin [dB]:		-9.62	.38	-	-	-	-
.75744	36.35 qp	10.4	0	46.75	56	46	-	-	-	-
			Margin [dB]:		-9.25	.75	-	-	-	-
.82417	33.46 qp	10.4	0	43.86	56	46	-	-	-	-
			Margin [dB]:		-12.14	-2.14	-	-	-	-
.88942	33.85 qp	10.4	0	44.25	56	46	-	-	-	-
			Margin [dB]:		-11.75	-1.75	-	-	-	-
.92716	31.8 qp	10.4	0	42.2	56	46	-	-	-	-
			Margin [dB]:		-13.8	-3.8	-	-	-	-
.94249	31.32 qp	10.4	0	41.72	56	46	-	-	-	-
			Margin [dB]:		-14.28	-4.28	-	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).
pk - Peak detector
qp - Quasi-Peak detector
av - Average detector
avlg - denotes average log detection
ave - denotes average detection
LIMIT 1: FCC Part 15 Subpart C QPk
LIMIT 2: FCC Part 15 Subpart C Avg

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										
1.05427	30.34 qp	10.4	0	40.74	56	46	-	-	-	-
			Margin [dB]:		-15.26	-5.26	-	-	-	-
1.16989	24.48 qp	10.4	0	34.88	56	46	-	-	-	-
			Margin [dB]:		-21.12	-11.12	-	-	-	-
1.84504	29.39 qp	10.4	0	39.79	56	46	-	-	-	-
			Margin [dB]:		-16.21	-6.21	-	-	-	-
2.02214	29.19 qp	10.4	0	39.59	56	46	-	-	-	-
			Margin [dB]:		-16.41	-6.41	-	-	-	-
3.15061	28.19 qp	10.4	0	38.59	56	46	-	-	-	-
			Margin [dB]:		-17.41	-7.41	-	-	-	-
4.41044	27.1 qp	10.4	0	37.5	56	46	-	-	-	-
			Margin [dB]:		-18.5	-8.5	-	-	-	-

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

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

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

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Receive Mode

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										
.16577	30.18 ave	11.8	0	41.98	65.2	55.2	-	-	-	-
			Margin [dB]:		-23.22	-13.22	-	-	-	-
.19851	25.11 ave	11.4	0	36.51	63.7	53.7	-	-	-	-
			Margin [dB]:		-27.19	-17.19	-	-	-	-
.22421	27.51 ave	11.2	0	38.71	62.7	52.7	-	-	-	-
			Margin [dB]:		-23.99	-13.99	-	-	-	-
.25886	29.66 ave	11	0	40.66	61.5	51.5	-	-	-	-
			Margin [dB]:		-20.84	-10.84	-	-	-	-
.29459	29.48 ave	10.9	0	40.38	60.4	50.4	-	-	-	-
			Margin [dB]:		-20.02	-10.02	-	-	-	-
.34333	25.16 ave	10.7	0	35.86	59.1	49.1	-	-	-	-
			Margin [dB]:		-23.24	-13.24	-	-	-	-
.39126	27.55 ave	10.6	0	38.15	58	48	-	-	-	-
			Margin [dB]:		-19.85	-9.85	-	-	-	-
.42751	28 ave	10.6	0	38.6	57.3	47.3	-	-	-	-
			Margin [dB]:		-18.7	-8.7	-	-	-	-
.46563	25.29 ave	10.5	0	35.79	56.6	46.6	-	-	-	-
			Margin [dB]:		-20.81	-10.81	-	-	-	-
.51159	25.68 ave	10.5	0	36.18	56	46	-	-	-	-
			Margin [dB]:		-19.82	-9.82	-	-	-	-
.55037	25.58 ave	10.5	0	36.08	56	46	-	-	-	-
			Margin [dB]:		-19.92	-9.92	-	-	-	-
.63443	24.7 ave	10.4	0	35.1	56	46	-	-	-	-
			Margin [dB]:		-20.9	-10.9	-	-	-	-
.71891	24.28 ave	10.4	0	34.68	56	46	-	-	-	-
			Margin [dB]:		-21.32	-11.32	-	-	-	-
.7656	23.23 ave	10.4	0	33.63	56	46	-	-	-	-
			Margin [dB]:		-22.37	-12.37	-	-	-	-
.88519	24.05 ave	10.4	0	34.45	56	46	-	-	-	-
			Margin [dB]:		-21.55	-11.55	-	-	-	-
.92559	22.97 ave	10.4	0	33.37	56	46	-	-	-	-
			Margin [dB]:		-22.63	-12.63	-	-	-	-
.32465	25.61 ave	10.8	0	36.41	59.6	49.6	-	-	-	-
			Margin [dB]:		-23.19	-13.19	-	-	-	-
.59061	22.16 ave	10.5	0	32.66	56	46	-	-	-	-
			Margin [dB]:		-23.34	-13.34	-	-	-	-
.99758	7.65 ave	10.4	0	18.05	56	46	-	-	-	-
			Margin [dB]:		-37.95	-27.95	-	-	-	-

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

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

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

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										
1.0556	10.67 ave	10.4	0	21.07	56	46	-	-	-	-
			Margin [dB]:		-34.93	-24.93	-	-	-	-
1.10823	10.7 ave	10.3	0	21	56	46	-	-	-	-
			Margin [dB]:		-35	-25	-	-	-	-
1.94377	22.08 ave	10.3	0	32.38	56	46	-	-	-	-
			Margin [dB]:		-23.62	-13.62	-	-	-	-
2.08779	22.15 ave	10.3	0	32.45	56	46	-	-	-	-
			Margin [dB]:		-23.55	-13.55	-	-	-	-
3.22919	23.25 ave	10.4	0	33.65	56	46	-	-	-	-
			Margin [dB]:		-22.35	-12.35	-	-	-	-
4.45635	23.84 ave	10.4	0	34.24	56	46	-	-	-	-
			Margin [dB]:		-21.76	-11.76	-	-	-	-
Neutral .15 - 1MHz										
.16502	30.47 ave	11.9	0	42.37	65.2	55.2	-	-	-	-
			Margin [dB]:		-22.83	-12.83	-	-	-	-
.18587	24.7 ave	11.6	0	36.3	64.2	54.2	-	-	-	-
			Margin [dB]:		-27.9	-17.9	-	-	-	-
.22087	28.09 ave	11.3	0	39.39	62.8	52.8	-	-	-	-
			Margin [dB]:		-23.41	-13.41	-	-	-	-
.25883	29.92 ave	11	0	40.92	61.5	51.5	-	-	-	-
			Margin [dB]:		-20.58	-10.58	-	-	-	-
.29557	29.64 ave	10.9	0	40.54	60.4	50.4	-	-	-	-
			Margin [dB]:		-19.86	-9.86	-	-	-	-
.3464	26.99 ave	10.7	0	37.69	59	49	-	-	-	-
			Margin [dB]:		-21.31	-11.31	-	-	-	-
.38393	27.59 ave	10.7	0	38.29	58.2	48.2	-	-	-	-
			Margin [dB]:		-19.91	-9.91	-	-	-	-
.42722	28.19 ave	10.6	0	38.79	57.3	47.3	-	-	-	-
			Margin [dB]:		-18.51	-8.51	-	-	-	-
.46278	25.84 ave	10.6	0	36.44	56.6	46.6	-	-	-	-
			Margin [dB]:		-20.16	-10.16	-	-	-	-
.50915	25.82 ave	10.5	0	36.32	56	46	-	-	-	-
			Margin [dB]:		-19.68	-9.68	-	-	-	-
.55951	27.24 ave	10.5	0	37.74	56	46	-	-	-	-
			Margin [dB]:		-18.26	-8.26	-	-	-	-
.61035	24.11 ave	10.5	0	34.61	56	46	-	-	-	-
			Margin [dB]:		-21.39	-11.39	-	-	-	-
.68904	26.07 ave	10.4	0	36.47	56	46	-	-	-	-
			Margin [dB]:		-19.53	-9.53	-	-	-	-
.75744	24.95 ave	10.4	0	35.35	56	46	-	-	-	-
			Margin [dB]:		-20.65	-10.65	-	-	-	-
.82417	24.76 ave	10.4	0	35.16	56	46	-	-	-	-
			Margin [dB]:		-20.84	-10.84	-	-	-	-
.88942	24.37 ave	10.4	0	34.77	56	46	-	-	-	-
			Margin [dB]:		-21.23	-11.23	-	-	-	-
.92716	22.81 ave	10.4	0	33.21	56	46	-	-	-	-
			Margin [dB]:		-22.79	-12.79	-	-	-	-
.94249	22.45 ave	10.4	0	32.85	56	46	-	-	-	-
			Margin [dB]:		-23.15	-13.15	-	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).
pk - Peak detector
qp - Quasi-Peak detector
av - Average detector
avlg - denotes average log detection
ave - denotes average detection
LIMIT 1: FCC Part 15 Subpart C QPk
LIMIT 2: FCC Part 15 Subpart C Avg

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										
1.05427	23.1 ave	10.4	0	33.5	56	46	-	-	-	-
			Margin [dB]:		-22.5	-12.5	-	-	-	-
1.16989	17.38 ave	10.4	0	27.78	56	46	-	-	-	-
			Margin [dB]:		-28.22	-18.22	-	-	-	-
1.84504	23.39 ave	10.4	0	33.79	56	46	-	-	-	-
			Margin [dB]:		-22.21	-12.21	-	-	-	-
2.02214	24.49 ave	10.4	0	34.89	56	46	-	-	-	-
			Margin [dB]:		-21.11	-11.11	-	-	-	-
3.15061	23.29 ave	10.4	0	33.69	56	46	-	-	-	-
			Margin [dB]:		-22.31	-12.31	-	-	-	-
4.41044	21.26 ave	10.4	0	31.66	56	46	-	-	-	-
			Margin [dB]:		-24.34	-14.34	-	-	-	-

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

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

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

Figure 4 Conducted Emissions Graph

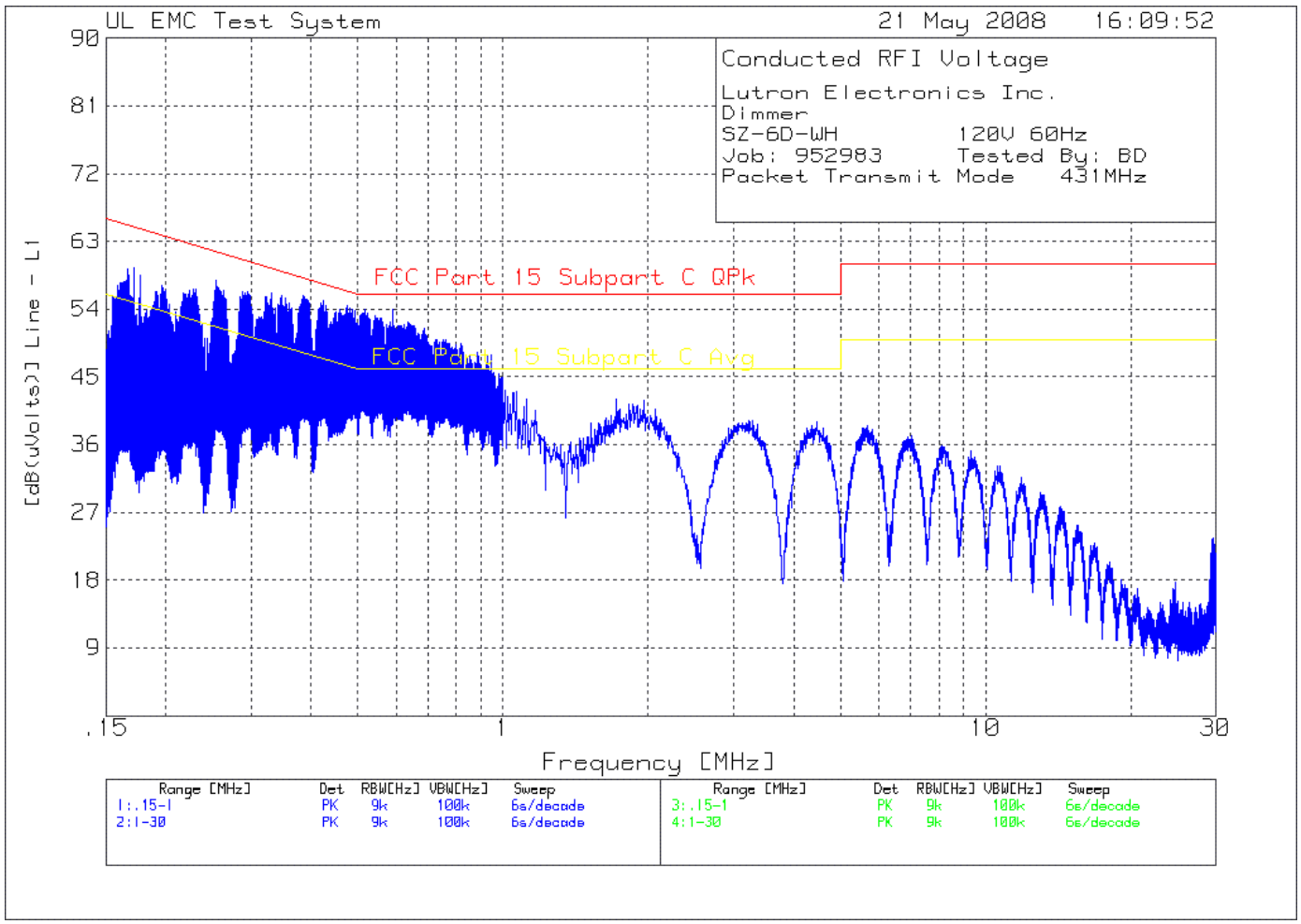


Figure 5 Conducted Emissions Graph

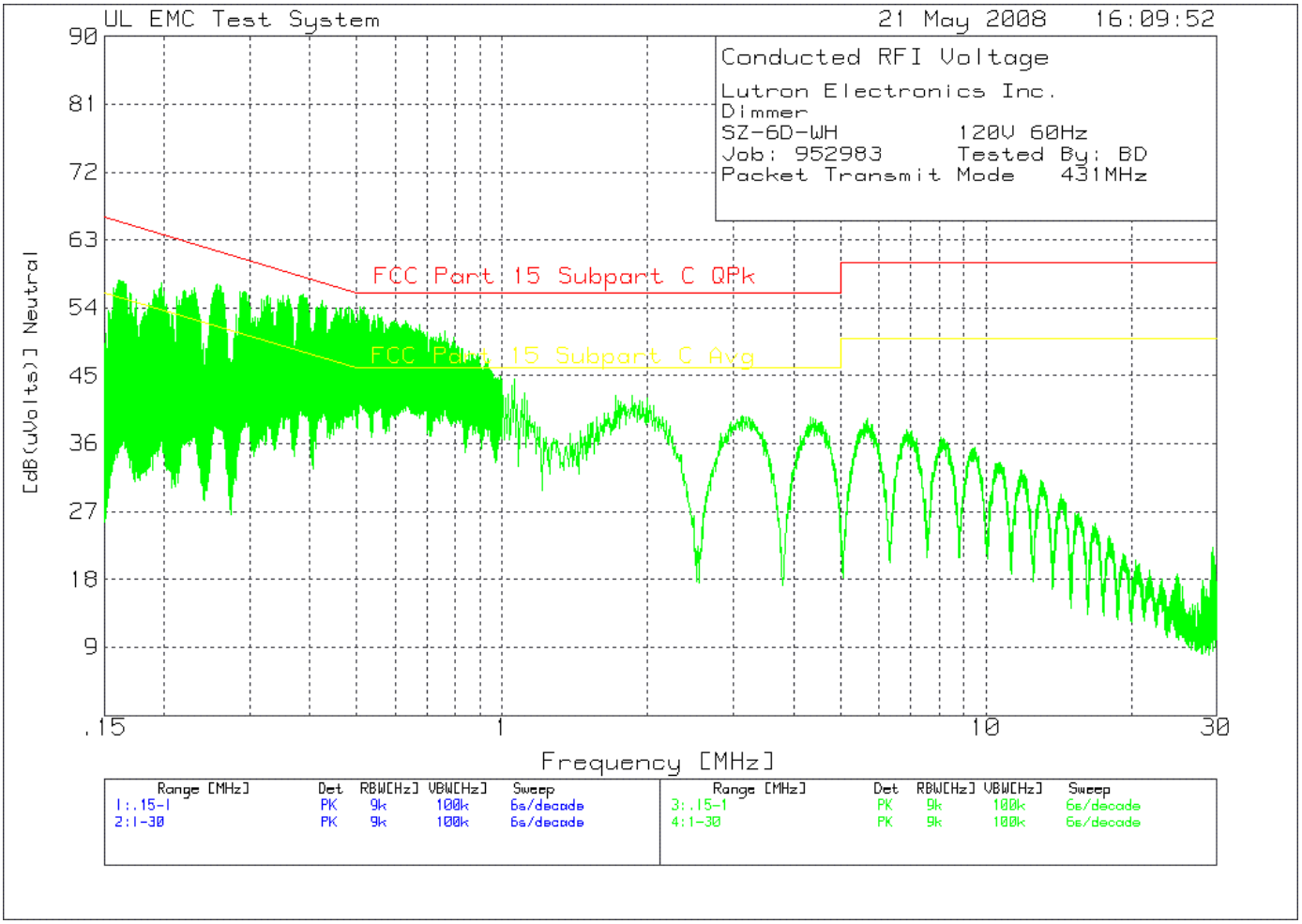


Table 4 Conducted Emissions Data Points

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: BD
Packet Transmit Mode 431MHz

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	.16547	46.01 pk	11.8	0	57.81	65.2	55.2	-	-	-	-
				Margin [dB]		-7.39	2.61	-	-	-	-
2	.19625	45.58 pk	11.5	0	57.08	63.8	53.8	-	-	-	-
				Margin [dB]		-6.72	3.28	-	-	-	-
3	.22329	45.24 pk	11.2	0	56.44	62.7	52.7	-	-	-	-
				Margin [dB]		-6.26	3.74	-	-	-	-
4	.25542	46.05 pk	11	0	57.05	61.6	51.6	-	-	-	-
				Margin [dB]		-4.55	5.45	-	-	-	-
5	.28875	45.35 pk	10.9	0	56.25	60.6	50.6	-	-	-	-
				Margin [dB]		-4.35	5.65	-	-	-	-
6	.3219	44.93 pk	10.8	0	55.73	59.7	49.7	-	-	-	-
				Margin [dB]		-3.97	6.03	-	-	-	-
7	.34792	45.12 pk	10.7	0	55.82	59	49	-	-	-	-
				Margin [dB]		-3.18	6.82	-	-	-	-
8	.38448	45.21 pk	10.6	0	55.81	58.2	48.2	-	-	-	-
				Margin [dB]		-2.39	7.61	-	-	-	-
9	.42461	44.5 pk	10.6	0	55.1	57.4	47.4	-	-	-	-
				Margin [dB]		-2.3	7.7	-	-	-	-
10	.47477	43.9 pk	10.5	0	54.4	56.4	46.4	-	-	-	-
				Margin [dB]		-2	8	-	-	-	-
11	.51795	43.49 pk	10.5	0	53.99	56	46	-	-	-	-
				Margin [dB]		-2.01	7.99	-	-	-	-
12	.56165	41.87 pk	10.5	0	52.37	56	46	-	-	-	-
				Margin [dB]		-3.63	6.37	-	-	-	-
13	.61147	41.31 pk	10.5	0	51.81	56	46	-	-	-	-
				Margin [dB]		-4.19	5.81	-	-	-	-
14	.66775	40.43 pk	10.4	0	50.83	56	46	-	-	-	-
				Margin [dB]		-5.17	4.83	-	-	-	-
15	.73033	39.55 pk	10.4	0	49.95	56	46	-	-	-	-
				Margin [dB]		-6.05	3.95	-	-	-	-
16	.823	38.63 pk	10.4	0	49.03	56	46	-	-	-	-
				Margin [dB]		-6.97	3.03	-	-	-	-
17	.89203	36.77 pk	10.4	0	47.17	56	46	-	-	-	-
				Margin [dB]		-8.83	1.17	-	-	-	-
18	.95426	35.22 pk	10.4	0	45.62	56	46	-	-	-	-
				Margin [dB]		-10.38	-.38	-	-	-	-

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

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											
19	1.0116	32.8 pk	10.4	0	43.2	56	46	-	-	-	-
				Margin [dB]		-12.8	-2.8	-	-	-	-
20	1.11602	31.74 pk	10.3	0	42.04	56	46	-	-	-	-
				Margin [dB]		-13.96	-3.96	-	-	-	-
21	1.71934	31.84 pk	10.3	0	42.14	56	46	-	-	-	-
				Margin [dB]		-13.86	-3.86	-	-	-	-
22	1.95719	31.63 pk	10.3	0	41.93	56	46	-	-	-	-
				Margin [dB]		-14.07	-4.07	-	-	-	-
23	3.22184	28.74 pk	10.4	0	39.14	56	46	-	-	-	-
				Margin [dB]		-16.86	-6.86	-	-	-	-
24	4.4749	28.57 pk	10.4	0	38.97	56	46	-	-	-	-
				Margin [dB]		-17.03	-7.03	-	-	-	-
Neutral .15 - 1MHz											
25	.16547	45.31 pk	11.9	0	57.21	65.2	55.2	-	-	-	-
				Margin [dB]		-7.99	2.01	-	-	-	-
26	.19778	45.77 pk	11.5	0	57.27	63.7	53.7	-	-	-	-
				Margin [dB]		-6.43	3.57	-	-	-	-
27	.22073	44.93 pk	11.3	0	56.23	62.8	52.8	-	-	-	-
				Margin [dB]		-6.57	3.43	-	-	-	-
28	.26001	46.04 pk	11	0	57.04	61.4	51.4	-	-	-	-
				Margin [dB]		-4.36	5.64	-	-	-	-
29	.29436	45.33 pk	10.9	0	56.23	60.4	50.4	-	-	-	-
				Margin [dB]		-4.17	5.83	-	-	-	-
30	.32633	44.81 pk	10.8	0	55.61	59.5	49.5	-	-	-	-
				Margin [dB]		-3.89	6.11	-	-	-	-
31	.35132	44.96 pk	10.7	0	55.66	58.9	48.9	-	-	-	-
				Margin [dB]		-3.24	6.76	-	-	-	-
32	.38159	44.92 pk	10.7	0	55.62	58.2	48.2	-	-	-	-
				Margin [dB]		-2.58	7.42	-	-	-	-
33	.43073	43.7 pk	10.6	0	54.3	57.2	47.2	-	-	-	-
				Margin [dB]		-2.9	7.1	-	-	-	-
34	.47664	43.49 pk	10.5	0	53.99	56.4	46.4	-	-	-	-
				Margin [dB]		-2.41	7.59	-	-	-	-
35	.51727	43.72 pk	10.5	0	54.22	56	46	-	-	-	-
				Margin [dB]		-1.78	8.22	-	-	-	-
36	.56301	42.31 pk	10.5	0	52.81	56	46	-	-	-	-
				Margin [dB]		-3.19	6.81	-	-	-	-
37	.60501	41.62 pk	10.5	0	52.12	56	46	-	-	-	-
				Margin [dB]		-3.88	6.12	-	-	-	-
38	.66537	40.76 pk	10.4	0	51.16	56	46	-	-	-	-
				Margin [dB]		-4.84	5.16	-	-	-	-
39	.73832	39.47 pk	10.4	0	49.87	56	46	-	-	-	-
				Margin [dB]		-6.13	3.87	-	-	-	-
40	.82708	38.18 pk	10.4	0	48.58	56	46	-	-	-	-
				Margin [dB]		-7.42	2.58	-	-	-	-
41	.90444	35.76 pk	10.4	0	46.16	56	46	-	-	-	-
				Margin [dB]		-9.84	.16	-	-	-	-
42	.98215	34.32 pk	10.4	0	44.72	56	46	-	-	-	-
				Margin [dB]		-11.28	-1.28	-	-	-	-

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

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											
43	1.05801	34.25 pk	10.4	0	44.65	56	46	-	-	-	-
				Margin [dB]		-11.35	-1.35	-	-	-	-
44	1.12763	31.36 pk	10.4	0	41.76	56	46	-	-	-	-
				Margin [dB]		-14.24	-4.24	-	-	-	-
45	1.71354	32.04 pk	10.4	0	42.44	56	46	-	-	-	-
				Margin [dB]		-13.56	-3.56	-	-	-	-
46	1.992	31.65 pk	10.4	0	42.05	56	46	-	-	-	-
				Margin [dB]		-13.95	-3.95	-	-	-	-
47	3.13483	29.25 pk	10.4	0	39.65	56	46	-	-	-	-
				Margin [dB]		-16.35	-6.35	-	-	-	-
48	4.33567	29.06 pk	10.4	0	39.46	56	46	-	-	-	-
				Margin [dB]		-16.54	-6.54	-	-	-	-

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

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: BD
Packet Transmit Mode 431MHz

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										
.16418	44.39 qp	11.9	0	56.29	65.2	55.2	-	-	-	-
			Margin [dB]:		-8.91	1.09	-	-	-	-
.19701	42.69 qp	11.5	0	54.19	63.7	53.7	-	-	-	-
			Margin [dB]:		-9.51	.49	-	-	-	-
.22333	43.16 qp	11.2	0	54.36	62.7	52.7	-	-	-	-
			Margin [dB]:		-8.34	1.66	-	-	-	-
.25681	44.36 qp	11	0	55.36	61.5	51.5	-	-	-	-
			Margin [dB]:		-6.14	3.86	-	-	-	-
.28993	43.03 qp	10.9	0	53.93	60.5	50.5	-	-	-	-
			Margin [dB]:		-6.57	3.43	-	-	-	-
.32319	40.33 qp	10.8	0	51.13	59.6	49.6	-	-	-	-
			Margin [dB]:		-8.47	1.53	-	-	-	-
.34921	41.75 qp	10.7	0	52.45	59	49	-	-	-	-
			Margin [dB]:		-6.55	3.45	-	-	-	-
.38511	41.91 qp	10.6	0	52.51	58.2	48.2	-	-	-	-
			Margin [dB]:		-5.69	4.31	-	-	-	-
.42491	40.68 qp	10.6	0	51.28	57.3	47.3	-	-	-	-
			Margin [dB]:		-6.02	3.98	-	-	-	-
.47539	39.5 qp	10.5	0	50	56.4	46.4	-	-	-	-
			Margin [dB]:		-6.4	3.6	-	-	-	-
.51874	39.34 qp	10.5	0	49.84	56	46	-	-	-	-
			Margin [dB]:		-6.16	3.84	-	-	-	-
.56101	38.34 qp	10.5	0	48.84	56	46	-	-	-	-
			Margin [dB]:		-7.16	2.84	-	-	-	-
.6108	36.65 qp	10.5	0	47.15	56	46	-	-	-	-
			Margin [dB]:		-8.85	1.15	-	-	-	-
.66809	36.21 qp	10.4	0	46.61	56	46	-	-	-	-
			Margin [dB]:		-9.39	.61	-	-	-	-
.72936	35.32 qp	10.4	0	45.72	56	46	-	-	-	-
			Margin [dB]:		-10.28	-.28	-	-	-	-
.82359	33.81 qp	10.4	0	44.21	56	46	-	-	-	-
			Margin [dB]:		-11.79	-1.79	-	-	-	-
.8907	33.02 qp	10.4	0	43.42	56	46	-	-	-	-
			Margin [dB]:		-12.58	-2.58	-	-	-	-
.95429	30.58 qp	10.4	0	40.98	56	46	-	-	-	-
			Margin [dB]:		-15.02	-5.02	-	-	-	-

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

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

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

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										
1.05363	29.07 qp	10.4	0	39.47	56	46	-	-	-	-
			Margin [dB]:		-16.53	-6.53	-	-	-	-
1.10745	27.34 qp	10.3	0	37.64	56	46	-	-	-	-
			Margin [dB]:		-18.36	-8.36	-	-	-	-
1.71884	26.98 qp	10.3	0	37.28	56	46	-	-	-	-
			Margin [dB]:		-18.72	-8.72	-	-	-	-
1.96392	27.88 qp	10.3	0	38.18	56	46	-	-	-	-
			Margin [dB]:		-17.82	-7.82	-	-	-	-
3.23155	26.63 qp	10.4	0	37.03	56	46	-	-	-	-
			Margin [dB]:		-18.97	-8.97	-	-	-	-
4.47248	26.26 qp	10.4	0	36.66	56	46	-	-	-	-
			Margin [dB]:		-19.34	-9.34	-	-	-	-
Neutral .15 - 1MHz										
.16521	44.4 qp	11.9	0	56.3	65.3	55.3	-	-	-	-
			Margin [dB]:		-9	1	-	-	-	-
.19747	42.17 qp	11.5	0	53.67	63.7	53.7	-	-	-	-
			Margin [dB]:		-10.03	-.03	-	-	-	-
.22188	43.36 qp	11.2	0	54.56	62.7	52.7	-	-	-	-
			Margin [dB]:		-8.14	1.86	-	-	-	-
.25922	43.92 qp	11	0	54.92	61.5	51.5	-	-	-	-
			Margin [dB]:		-6.58	3.42	-	-	-	-
.29397	42.74 qp	10.9	0	53.64	60.4	50.4	-	-	-	-
			Margin [dB]:		-6.76	3.24	-	-	-	-
.32657	40.5 qp	10.8	0	51.3	59.6	49.6	-	-	-	-
			Margin [dB]:		-8.3	1.7	-	-	-	-
.35101	41.35 qp	10.7	0	52.05	58.9	48.9	-	-	-	-
			Margin [dB]:		-6.85	3.15	-	-	-	-
.38312	42.99 qp	10.7	0	53.69	58.2	48.2	-	-	-	-
			Margin [dB]:		-4.51	5.49	-	-	-	-
.42943	40.14 qp	10.6	0	50.74	57.3	47.3	-	-	-	-
			Margin [dB]:		-6.56	3.44	-	-	-	-
.47614	39.81 qp	10.5	0	50.31	56.4	46.4	-	-	-	-
			Margin [dB]:		-6.09	3.91	-	-	-	-
.51837	39.48 qp	10.5	0	49.98	56	46	-	-	-	-
			Margin [dB]:		-6.02	3.98	-	-	-	-
.56183	37.66 qp	10.5	0	48.16	56	46	-	-	-	-
			Margin [dB]:		-7.84	2.16	-	-	-	-
.60435	37.51 qp	10.5	0	48.01	56	46	-	-	-	-
			Margin [dB]:		-7.99	2.01	-	-	-	-
.66633	35.77 qp	10.4	0	46.17	56	46	-	-	-	-
			Margin [dB]:		-9.83	.17	-	-	-	-
.73722	34.39 qp	10.4	0	44.79	56	46	-	-	-	-
			Margin [dB]:		-11.21	-1.21	-	-	-	-
.8261	33.78 qp	10.4	0	44.18	56	46	-	-	-	-
			Margin [dB]:		-11.82	-1.82	-	-	-	-
.90352	31.01 qp	10.4	0	41.41	56	46	-	-	-	-
			Margin [dB]:		-14.59	-4.59	-	-	-	-
.98263	29.78 qp	10.4	0	40.18	56	46	-	-	-	-
			Margin [dB]:		-15.82	-5.82	-	-	-	-

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

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

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

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										
1.05545	29.48 qp	10.4	0	39.88	56	46	-	-	-	-
			Margin [dB]:		-16.12	-6.12	-	-	-	-
1.10888	27.65 qp	10.4	0	38.05	56	46	-	-	-	-
			Margin [dB]:		-17.95	-7.95	-	-	-	-
1.717	27.2 qp	10.4	0	37.6	56	46	-	-	-	-
			Margin [dB]:		-18.4	-8.4	-	-	-	-
2.00033	27.54 qp	10.4	0	37.94	56	46	-	-	-	-
			Margin [dB]:		-18.06	-8.06	-	-	-	-
3.14645	28.5 qp	10.4	0	38.9	56	46	-	-	-	-
			Margin [dB]:		-17.1	-7.1	-	-	-	-
4.34628	26.84 qp	10.4	0	37.24	56	46	-	-	-	-
			Margin [dB]:		-18.76	-8.76	-	-	-	-

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

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

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

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: BD
Packet Transmit Mode 431MHz

Frequency [MHz]	Test 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										
.16418	30.22 ave	11.9	0	42.12	65.2	55.2	-	-	-	-
			Margin [dB]:		-23.08	-13.08	-	-	-	-
.19701	26.87 ave	11.4	0	38.27	63.7	53.7	-	-	-	-
			Margin [dB]:		-25.43	-15.43	-	-	-	-
.22333	27.83 ave	11.2	0	39.03	62.7	52.7	-	-	-	-
			Margin [dB]:		-23.67	-13.67	-	-	-	-
.25681	29.14 ave	11	0	40.14	61.5	51.5	-	-	-	-
			Margin [dB]:		-21.36	-11.36	-	-	-	-
.28993	28.6 ave	10.9	0	39.5	60.5	50.5	-	-	-	-
			Margin [dB]:		-21	-11	-	-	-	-
.32319	26.75 ave	10.8	0	37.55	59.6	49.6	-	-	-	-
			Margin [dB]:		-22.05	-12.05	-	-	-	-
.34921	26.53 ave	10.7	0	37.23	59	49	-	-	-	-
			Margin [dB]:		-21.77	-11.77	-	-	-	-
.38511	27.21 ave	10.6	0	37.81	58.2	48.2	-	-	-	-
			Margin [dB]:		-20.39	-10.39	-	-	-	-
.42491	27.3 ave	10.6	0	37.9	57.4	47.4	-	-	-	-
			Margin [dB]:		-19.5	-9.5	-	-	-	-
.47539	25.91 ave	10.5	0	36.41	56.4	46.4	-	-	-	-
			Margin [dB]:		-19.99	-9.99	-	-	-	-
.51874	24.93 ave	10.5	0	35.43	56	46	-	-	-	-
			Margin [dB]:		-20.57	-10.57	-	-	-	-
.56101	26.25 ave	10.5	0	36.75	56	46	-	-	-	-
			Margin [dB]:		-19.25	-9.25	-	-	-	-
.6108	23.78 ave	10.5	0	34.28	56	46	-	-	-	-
			Margin [dB]:		-21.72	-11.72	-	-	-	-
.66809	23.57 ave	10.4	0	33.97	56	46	-	-	-	-
			Margin [dB]:		-22.03	-12.03	-	-	-	-
.72936	24.6 ave	10.4	0	35	56	46	-	-	-	-
			Margin [dB]:		-21	-11	-	-	-	-
.82359	24.2 ave	10.4	0	34.6	56	46	-	-	-	-
			Margin [dB]:		-21.4	-11.4	-	-	-	-
.8907	23.14 ave	10.4	0	33.54	56	46	-	-	-	-
			Margin [dB]:		-22.46	-12.46	-	-	-	-
.95429	21.39 ave	10.4	0	31.79	56	46	-	-	-	-
			Margin [dB]:		-24.21	-14.21	-	-	-	-

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

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

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

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										
1.05363	22.1 ave	10.4	0	32.5	56	46	-	-	-	-
			Margin [dB]:		-23.5	-13.5	-	-	-	-
1.10745	20 ave	10.3	0	30.3	56	46	-	-	-	-
			Margin [dB]:		-25.7	-15.7	-	-	-	-
1.71884	22.29 ave	10.3	0	32.59	56	46	-	-	-	-
			Margin [dB]:		-23.41	-13.41	-	-	-	-
1.96392	22.95 ave	10.3	0	33.25	56	46	-	-	-	-
			Margin [dB]:		-22.75	-12.75	-	-	-	-
3.23155	23.04 ave	10.4	0	33.44	56	46	-	-	-	-
			Margin [dB]:		-22.56	-12.56	-	-	-	-
4.47248	22.62 ave	10.4	0	33.02	56	46	-	-	-	-
			Margin [dB]:		-22.98	-12.98	-	-	-	-
Neutral .15 - 1MHz										
.16521	29.26 ave	11.9	0	41.16	65.2	55.2	-	-	-	-
			Margin [dB]:		-24.04	-14.04	-	-	-	-
.19747	26.87 ave	11.5	0	38.37	63.7	53.7	-	-	-	-
			Margin [dB]:		-25.33	-15.33	-	-	-	-
.22188	27.6 ave	11.2	0	38.8	62.7	52.7	-	-	-	-
			Margin [dB]:		-23.9	-13.9	-	-	-	-
.25922	29.62 ave	11	0	40.62	61.5	51.5	-	-	-	-
			Margin [dB]:		-20.88	-10.88	-	-	-	-
.29397	29.33 ave	10.9	0	40.23	60.4	50.4	-	-	-	-
			Margin [dB]:		-20.17	-10.17	-	-	-	-
.32657	27.28 ave	10.8	0	38.08	59.5	49.5	-	-	-	-
			Margin [dB]:		-21.42	-11.42	-	-	-	-
.35101	26.72 ave	10.7	0	37.42	58.9	48.9	-	-	-	-
			Margin [dB]:		-21.48	-11.48	-	-	-	-
.38312	27.25 ave	10.7	0	37.95	58.2	48.2	-	-	-	-
			Margin [dB]:		-20.25	-10.25	-	-	-	-
.42943	26.69 ave	10.6	0	37.29	57.3	47.3	-	-	-	-
			Margin [dB]:		-20.01	-10.01	-	-	-	-
.47614	25.97 ave	10.5	0	36.47	56.4	46.4	-	-	-	-
			Margin [dB]:		-19.93	-9.93	-	-	-	-
.51837	25.32 ave	10.5	0	35.82	56	46	-	-	-	-
			Margin [dB]:		-20.18	-10.18	-	-	-	-
.56183	26.42 ave	10.5	0	36.92	56	46	-	-	-	-
			Margin [dB]:		-19.08	-9.08	-	-	-	-
.60435	25.09 ave	10.5	0	35.59	56	46	-	-	-	-
			Margin [dB]:		-20.41	-10.41	-	-	-	-
.66633	23.6 ave	10.4	0	34	56	46	-	-	-	-
			Margin [dB]:		-22	-12	-	-	-	-
.73722	23.63 ave	10.4	0	34.03	56	46	-	-	-	-
			Margin [dB]:		-21.97	-11.97	-	-	-	-
.8261	24.53 ave	10.4	0	34.93	56	46	-	-	-	-
			Margin [dB]:		-21.07	-11.07	-	-	-	-
.90352	19.7 ave	10.4	0	30.1	56	46	-	-	-	-
			Margin [dB]:		-25.9	-15.9	-	-	-	-
.98263	22.28 ave	10.4	0	32.68	56	46	-	-	-	-
			Margin [dB]:		-23.32	-13.32	-	-	-	-

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

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

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

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										
1.05545	22.84 ave	10.4	0	33.24	56	46	-	-	-	-
			Margin [dB]:		-22.76	-12.76	-	-	-	-
1.10888	20.47 ave	10.4	0	30.87	56	46	-	-	-	-
			Margin [dB]:		-25.13	-15.13	-	-	-	-
1.717	22.93 ave	10.4	0	33.33	56	46	-	-	-	-
			Margin [dB]:		-22.67	-12.67	-	-	-	-
2.00033	22.78 ave	10.4	0	33.18	56	46	-	-	-	-
			Margin [dB]:		-22.82	-12.82	-	-	-	-
3.14645	23.17 ave	10.4	0	33.57	56	46	-	-	-	-
			Margin [dB]:		-22.43	-12.43	-	-	-	-
4.34628	20.57 ave	10.4	0	30.97	56	46	-	-	-	-
			Margin [dB]:		-25.03	-15.03	-	-	-	-

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

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

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

Figure 6 Conducted Emissions Graph

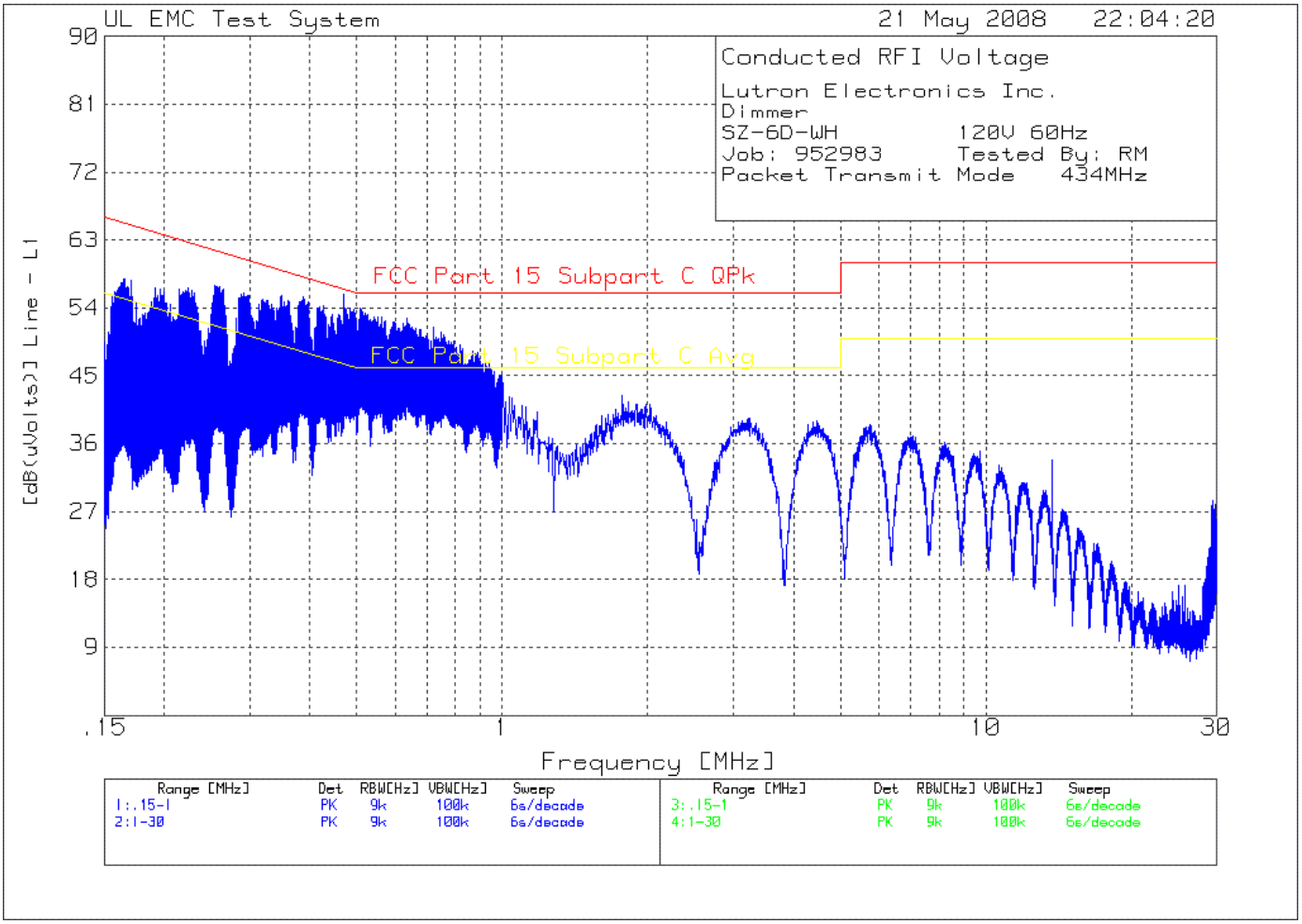


Figure 7 Conducted Emissions Graph

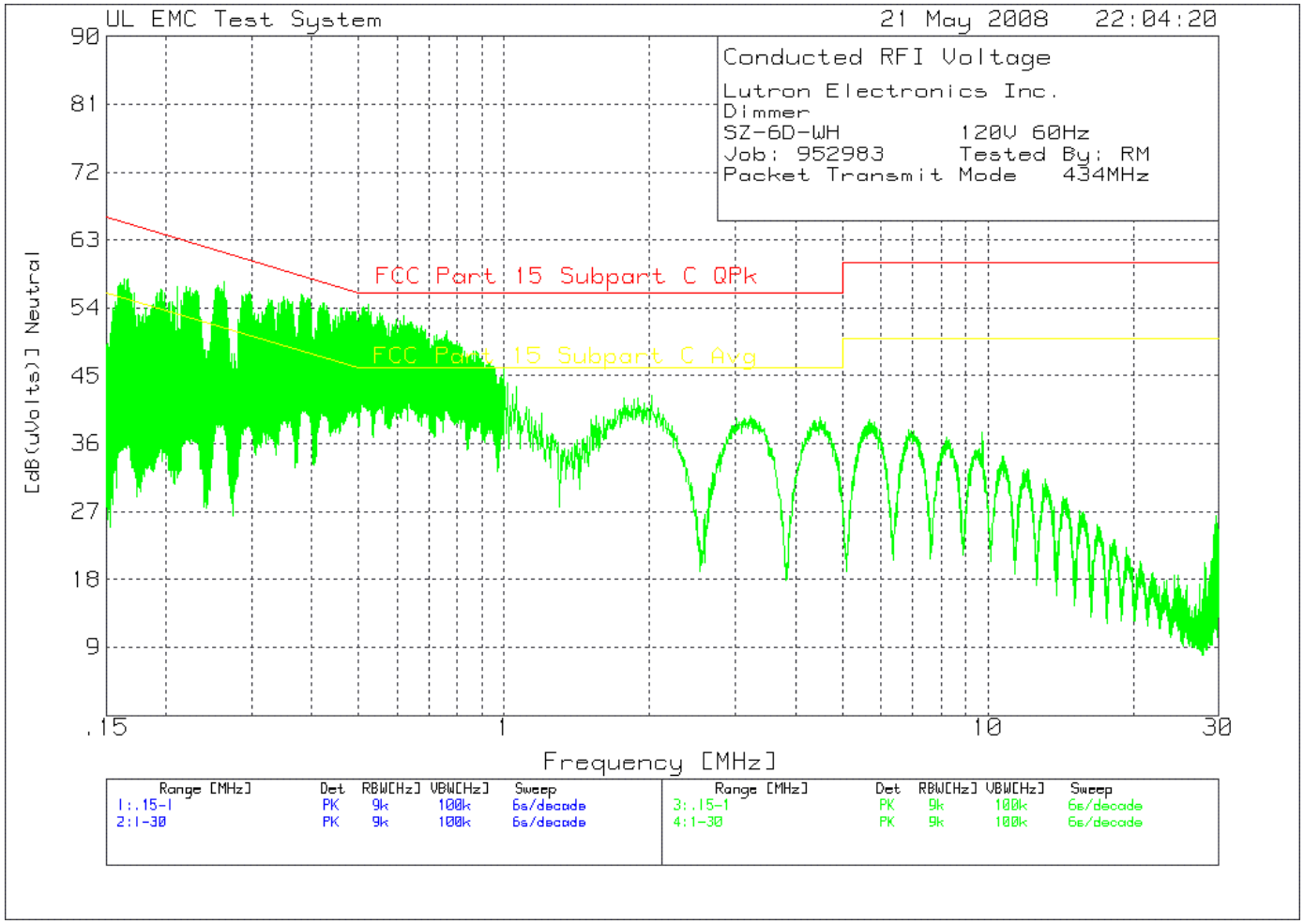


Table 5 Conducted Emissions Data Points

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Packet Transmit Mode 434MHz

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	.16564	46.06 pk	11.8	0	57.86	65.2	55.2	-	-	-	-
				Margin [dB]		-7.34	2.66	-	-	-	-
2	.19642	44.93 pk	11.5	0	56.43	63.8	53.8	-	-	-	-
				Margin [dB]		-7.37	2.63	-	-	-	-
3	.22346	45.51 pk	11.2	0	56.71	62.7	52.7	-	-	-	-
				Margin [dB]		-5.99	4.01	-	-	-	-
4	.26018	45.88 pk	11	0	56.88	61.4	51.4	-	-	-	-
				Margin [dB]		-4.52	5.48	-	-	-	-
5	.29249	45.09 pk	10.9	0	55.99	60.5	50.5	-	-	-	-
				Margin [dB]		-4.51	5.49	-	-	-	-
6	.32701	44.26 pk	10.8	0	55.06	59.5	49.5	-	-	-	-
				Margin [dB]		-4.44	5.56	-	-	-	-
7	.34894	44.93 pk	10.7	0	55.63	59	49	-	-	-	-
				Margin [dB]		-3.37	6.63	-	-	-	-
8	.38737	44.93 pk	10.6	0	55.53	58.1	48.1	-	-	-	-
				Margin [dB]		-2.57	7.43	-	-	-	-
9	.41814	43.55 pk	10.6	0	54.15	57.5	47.5	-	-	-	-
				Margin [dB]		-3.35	6.65	-	-	-	-
10	.48276	43.48 pk	10.5	0	53.98	56.3	46.3	-	-	-	-
				Margin [dB]		-2.32	7.68	-	-	-	-
11	.52118	42.77 pk	10.5	0	53.27	56	46	-	-	-	-
				Margin [dB]		-2.73	7.27	-	-	-	-
12	.56403	42.38 pk	10.5	0	52.88	56	46	-	-	-	-
				Margin [dB]		-3.12	6.88	-	-	-	-
13	.63324	42.3 pk	10.4	0	52.7	56	46	-	-	-	-
				Margin [dB]		-3.3	6.7	-	-	-	-
14	.74648	40.35 pk	10.4	0	50.75	56	46	-	-	-	-
				Margin [dB]		-5.25	4.75	-	-	-	-
15	.87724	37.53 pk	10.4	0	47.93	56	46	-	-	-	-
				Margin [dB]		-8.07	1.93	-	-	-	-
16	.94151	36.2 pk	10.4	0	46.6	56	46	-	-	-	-
				Margin [dB]		-9.4	.6	-	-	-	-
17	.67745	40.71 pk	10.4	0	51.11	56	46	-	-	-	-
				Margin [dB]		-4.89	5.11	-	-	-	-
18	.81738	38.34 pk	10.4	0	48.74	56	46	-	-	-	-
				Margin [dB]		-7.26	2.74	-	-	-	-
19	.99677	34.63 pk	10.4	0	45.03	56	46	-	-	-	-
				Margin [dB]		-10.97	-.97	-	-	-	-

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

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	1.03481	31.85 pk	10.4	0	42.25	56	46	-	-	-	-
				Margin [dB]		-13.75	-3.75	-	-	-	-
21	1.09862	30.66 pk	10.4	0	41.06	56	46	-	-	-	-
				Margin [dB]		-14.94	-4.94	-	-	-	-
22	1.77155	32.14 pk	10.3	0	42.44	56	46	-	-	-	-
				Margin [dB]		-13.56	-3.56	-	-	-	-
23	2.021	30.87 pk	10.3	0	41.17	56	46	-	-	-	-
				Margin [dB]		-14.83	-4.83	-	-	-	-
24	3.21604	28.69 pk	10.4	0	39.09	56	46	-	-	-	-
				Margin [dB]		-16.91	-6.91	-	-	-	-
25	4.46909	28.69 pk	10.4	0	39.09	56	46	-	-	-	-
				Margin [dB]		-16.91	-6.91	-	-	-	-
Neutral .15 - 1MHz											
26	.1636	45.95 pk	11.9	0	57.85	65.3	55.3	-	-	-	-
				Margin [dB]		-7.45	2.55	-	-	-	-
27	.19438	44.99 pk	11.5	0	56.49	63.8	53.8	-	-	-	-
				Margin [dB]		-7.31	2.69	-	-	-	-
28	.21988	45.48 pk	11.3	0	56.78	62.8	52.8	-	-	-	-
				Margin [dB]		-6.02	3.98	-	-	-	-
29	.2629	46.5 pk	11	0	57.5	61.3	51.3	-	-	-	-
				Margin [dB]		-3.8	6.2	-	-	-	-
30	.29198	44.89 pk	10.9	0	55.79	60.5	50.5	-	-	-	-
				Margin [dB]		-4.71	5.29	-	-	-	-
31	.32514	44.28 pk	10.8	0	55.08	59.6	49.6	-	-	-	-
				Margin [dB]		-4.52	5.48	-	-	-	-
32	.3554	44.47 pk	10.7	0	55.17	58.8	48.8	-	-	-	-
				Margin [dB]		-3.63	6.37	-	-	-	-
33	.38346	44.92 pk	10.7	0	55.62	58.2	48.2	-	-	-	-
				Margin [dB]		-2.58	7.42	-	-	-	-
34	.42478	44.12 pk	10.6	0	54.72	57.4	47.4	-	-	-	-
				Margin [dB]		-2.68	7.32	-	-	-	-
35	.45912	43.34 pk	10.6	0	53.94	56.7	46.7	-	-	-	-
				Margin [dB]		-2.76	7.24	-	-	-	-
36	.49398	43 pk	10.5	0	53.5	56.1	46.1	-	-	-	-
				Margin [dB]		-2.6	7.4	-	-	-	-
37	.52306	44.01 pk	10.5	0	54.51	56	46	-	-	-	-
				Margin [dB]		-1.49	8.51	-	-	-	-
38	.55961	42.46 pk	10.5	0	52.96	56	46	-	-	-	-
				Margin [dB]		-3.04	6.96	-	-	-	-
39	.6181	42.49 pk	10.5	0	52.99	56	46	-	-	-	-
				Margin [dB]		-3.01	6.99	-	-	-	-
40	.6885	40.78 pk	10.4	0	51.18	56	46	-	-	-	-
				Margin [dB]		-4.82	5.18	-	-	-	-
41	.76178	40.47 pk	10.4	0	50.87	56	46	-	-	-	-
				Margin [dB]		-5.13	4.87	-	-	-	-
42	.81908	38.3 pk	10.4	0	48.7	56	46	-	-	-	-
				Margin [dB]		-7.3	2.7	-	-	-	-
43	.88642	37.45 pk	10.4	0	47.85	56	46	-	-	-	-
				Margin [dB]		-8.15	1.85	-	-	-	-
44	.94542	35.88 pk	10.4	0	46.28	56	46	-	-	-	-
				Margin [dB]		-9.72	.28	-	-	-	-
45	.99235	34.25 pk	10.4	0	44.65	56	46	-	-	-	-
				Margin [dB]		-11.35	-1.35	-	-	-	-

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

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											
46	1.89338	31.74 pk	10.4	0	42.14	56	46	-	-	-	-
				Margin [dB]		-13.86	-3.86	-	-	-	-
47	3.22765	29.3 pk	10.4	0	39.7	56	46	-	-	-	-
				Margin [dB]		-16.3	-6.3	-	-	-	-
48	4.4923	29.18 pk	10.4	0	39.58	56	46	-	-	-	-
				Margin [dB]		-16.42	-6.42	-	-	-	-

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

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Packet Transmit Mode 434MHz

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										
.16493	44.29 qp	11.9	0	56.19	65.2	55.2	-	-	-	-
			Margin [dB]:		-9.01	.99	-	-	-	-
.19673	42.37 qp	11.4	0	53.77	63.7	53.7	-	-	-	-
			Margin [dB]:		-9.93	.07	-	-	-	-
.22388	42.74 qp	11.2	0	53.94	62.7	52.7	-	-	-	-
			Margin [dB]:		-8.76	1.24	-	-	-	-
.25915	43.88 qp	11	0	54.88	61.5	51.5	-	-	-	-
			Margin [dB]:		-6.62	3.38	-	-	-	-
.29299	42.87 qp	10.9	0	53.77	60.4	50.4	-	-	-	-
			Margin [dB]:		-6.63	3.37	-	-	-	-
.32582	40.83 qp	10.8	0	51.63	59.5	49.5	-	-	-	-
			Margin [dB]:		-7.87	2.13	-	-	-	-
.34944	41.87 qp	10.7	0	52.57	59	49	-	-	-	-
			Margin [dB]:		-6.43	3.57	-	-	-	-
.38805	41.89 qp	10.6	0	52.49	58.1	48.1	-	-	-	-
			Margin [dB]:		-5.61	4.39	-	-	-	-
.41877	40.65 qp	10.6	0	51.25	57.5	47.5	-	-	-	-
			Margin [dB]:		-6.25	3.75	-	-	-	-
.48278	38.79 qp	10.5	0	49.29	56.3	46.3	-	-	-	-
			Margin [dB]:		-7.01	2.99	-	-	-	-
.52255	39.23 qp	10.5	0	49.73	56	46	-	-	-	-
			Margin [dB]:		-6.27	3.73	-	-	-	-
.56303	37.54 qp	10.5	0	48.04	56	46	-	-	-	-
			Margin [dB]:		-7.96	2.04	-	-	-	-
.63443	38.05 qp	10.4	0	48.45	56	46	-	-	-	-
			Margin [dB]:		-7.55	2.45	-	-	-	-
.74565	34.16 qp	10.4	0	44.56	56	46	-	-	-	-
			Margin [dB]:		-11.44	-1.44	-	-	-	-
.87785	31.75 qp	10.4	0	42.15	56	46	-	-	-	-
			Margin [dB]:		-13.85	-3.85	-	-	-	-
.9419	30.83 qp	10.4	0	41.23	56	46	-	-	-	-
			Margin [dB]:		-14.77	-4.77	-	-	-	-
.67771	36.18 qp	10.4	0	46.58	56	46	-	-	-	-
			Margin [dB]:		-9.42	.58	-	-	-	-
.81782	33.34 qp	10.4	0	43.74	56	46	-	-	-	-
			Margin [dB]:		-12.26	-2.26	-	-	-	-
.99694	29.38 qp	10.4	0	39.78	56	46	-	-	-	-
			Margin [dB]:		-16.22	-6.22	-	-	-	-

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

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

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

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										
1.05846	26.71 qp	10.4	0	37.11	56	46	-	-	-	-
			Margin [dB]:		-18.89	-8.89	-	-	-	-
1.11552	27.26 qp	10.3	0	37.56	56	46	-	-	-	-
			Margin [dB]:		-18.44	-8.44	-	-	-	-
1.78371	27.32 qp	10.3	0	37.62	56	46	-	-	-	-
			Margin [dB]:		-18.38	-8.38	-	-	-	-
2.01653	26.98 qp	10.3	0	37.28	56	46	-	-	-	-
			Margin [dB]:		-18.72	-8.72	-	-	-	-
3.19657	26.67 qp	10.4	0	37.07	56	46	-	-	-	-
			Margin [dB]:		-18.93	-8.93	-	-	-	-
4.47311	25.49 qp	10.4	0	35.89	56	46	-	-	-	-
			Margin [dB]:		-20.11	-10.11	-	-	-	-
Neutral .15 - 1MHz										
.16359	44.37 qp	11.9	0	56.27	65.3	55.3	-	-	-	-
			Margin [dB]:		-9.03	.97	-	-	-	-
.19536	42.46 qp	11.5	0	53.96	63.8	53.8	-	-	-	-
			Margin [dB]:		-9.84	.16	-	-	-	-
.22107	43.69 qp	11.3	0	54.99	62.8	52.8	-	-	-	-
			Margin [dB]:		-7.81	2.19	-	-	-	-
.26153	44.01 qp	11	0	55.01	61.4	51.4	-	-	-	-
			Margin [dB]:		-6.39	3.61	-	-	-	-
.29342	42.83 qp	10.9	0	53.73	60.4	50.4	-	-	-	-
			Margin [dB]:		-6.67	3.33	-	-	-	-
.32548	40.53 qp	10.8	0	51.33	59.6	49.6	-	-	-	-
			Margin [dB]:		-8.27	1.73	-	-	-	-
.35513	41.53 qp	10.7	0	52.23	58.9	48.9	-	-	-	-
			Margin [dB]:		-6.67	3.33	-	-	-	-
.38484	42.21 qp	10.7	0	52.91	58.2	48.2	-	-	-	-
			Margin [dB]:		-5.29	4.71	-	-	-	-
.42521	40.92 qp	10.6	0	51.52	57.3	47.3	-	-	-	-
			Margin [dB]:		-5.78	4.22	-	-	-	-
.45821	38.59 qp	10.6	0	49.19	56.7	46.7	-	-	-	-
			Margin [dB]:		-7.51	2.49	-	-	-	-
.49296	39.27 qp	10.5	0	49.77	56.1	46.1	-	-	-	-
			Margin [dB]:		-6.33	3.67	-	-	-	-
.52399	39.43 qp	10.5	0	49.93	56	46	-	-	-	-
			Margin [dB]:		-6.07	3.93	-	-	-	-
.55972	38.78 qp	10.5	0	49.28	56	46	-	-	-	-
			Margin [dB]:		-6.72	3.28	-	-	-	-
.61769	37.19 qp	10.5	0	47.69	56	46	-	-	-	-
			Margin [dB]:		-8.31	1.69	-	-	-	-
.68939	36.1 qp	10.4	0	46.5	56	46	-	-	-	-
			Margin [dB]:		-9.5	.5	-	-	-	-
.76231	36.69 qp	10.4	0	47.09	56	46	-	-	-	-
			Margin [dB]:		-8.91	1.09	-	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).
pk - Peak detector
qp - Quasi-Peak detector
av - Average detector
avlg - denotes average log detection
ave - denotes average detection

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

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										
.81929	33.71 qp	10.4	0	44.11	56	46	-	-	-	-
			Margin [dB]:		-11.89	-1.89	-	-	-	-
.88735	34.18 qp	10.4	0	44.58	56	46	-	-	-	-
			Margin [dB]:		-11.42	-1.42	-	-	-	-
.94595	30.72 qp	10.4	0	41.12	56	46	-	-	-	-
			Margin [dB]:		-14.88	-4.88	-	-	-	-
.99221	29.58 qp	10.4	0	39.98	56	46	-	-	-	-
			Margin [dB]:		-16.02	-6.02	-	-	-	-
Neutral 1 - 30MHz										
1.89668	28.5 qp	10.4	0	38.9	56	46	-	-	-	-
			Margin [dB]:		-17.1	-7.1	-	-	-	-
3.2347	27.67 qp	10.4	0	38.07	56	46	-	-	-	-
			Margin [dB]:		-17.93	-7.93	-	-	-	-
4.47936	27.78 qp	10.4	0	38.18	56	46	-	-	-	-
			Margin [dB]:		-17.82	-7.82	-	-	-	-

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

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

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

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Packet Transmit Mode 434MHz

Frequency [MHz]	Test 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										
.16493	30.02 ave	11.9	0	41.92	65.2	55.2	-	-	-	-
			Margin [dB]:		-23.28	-13.28	-	-	-	-
.19673	26.28 ave	11.5	0	37.78	63.7	53.7	-	-	-	-
			Margin [dB]:		-25.92	-15.92	-	-	-	-
.22388	28.25 ave	11.2	0	39.45	62.7	52.7	-	-	-	-
			Margin [dB]:		-23.25	-13.25	-	-	-	-
.25915	29.83 ave	11	0	40.83	61.5	51.5	-	-	-	-
			Margin [dB]:		-20.67	-10.67	-	-	-	-
.29299	29.46 ave	10.9	0	40.36	60.4	50.4	-	-	-	-
			Margin [dB]:		-20.04	-10.04	-	-	-	-
.32582	26.85 ave	10.8	0	37.65	59.6	49.6	-	-	-	-
			Margin [dB]:		-21.95	-11.95	-	-	-	-
.34944	27.2 ave	10.7	0	37.9	59	49	-	-	-	-
			Margin [dB]:		-21.1	-11.1	-	-	-	-
.38805	27.25 ave	10.6	0	37.85	58.1	48.1	-	-	-	-
			Margin [dB]:		-20.25	-10.25	-	-	-	-
.41877	27.06 ave	10.6	0	37.66	57.5	47.5	-	-	-	-
			Margin [dB]:		-19.84	-9.84	-	-	-	-
.48278	25.07 ave	10.5	0	35.57	56.3	46.3	-	-	-	-
			Margin [dB]:		-20.73	-10.73	-	-	-	-
.52255	25.32 ave	10.5	0	35.82	56	46	-	-	-	-
			Margin [dB]:		-20.18	-10.18	-	-	-	-
.56303	26.03 ave	10.5	0	36.53	56	46	-	-	-	-
			Margin [dB]:		-19.47	-9.47	-	-	-	-
.63443	24.72 ave	10.4	0	35.12	56	46	-	-	-	-
			Margin [dB]:		-20.88	-10.88	-	-	-	-
.74565	21.99 ave	10.4	0	32.39	56	46	-	-	-	-
			Margin [dB]:		-23.61	-13.61	-	-	-	-
.87785	21.5 ave	10.4	0	31.9	56	46	-	-	-	-
			Margin [dB]:		-24.1	-14.1	-	-	-	-
.9419	21.95 ave	10.4	0	32.35	56	46	-	-	-	-
			Margin [dB]:		-23.65	-13.65	-	-	-	-
.67771	23.91 ave	10.4	0	34.31	56	46	-	-	-	-
			Margin [dB]:		-21.69	-11.69	-	-	-	-
.81782	24.07 ave	10.4	0	34.47	56	46	-	-	-	-
			Margin [dB]:		-21.53	-11.53	-	-	-	-
.99694	21.46 ave	10.4	0	31.86	56	46	-	-	-	-
			Margin [dB]:		-24.14	-14.14	-	-	-	-

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

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

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

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										
1.05846	10.58 ave	10.4	0	20.98	56	46	-	-	-	-
			Margin [dB]:		-35.02	-25.02	-	-	-	-
1.11552	9.54 ave	10.3	0	19.84	56	46	-	-	-	-
			Margin [dB]:		-36.16	-26.16	-	-	-	-
1.78371	21.33 ave	10.3	0	31.63	56	46	-	-	-	-
			Margin [dB]:		-24.37	-14.37	-	-	-	-
2.01653	21.97 ave	10.3	0	32.27	56	46	-	-	-	-
			Margin [dB]:		-23.73	-13.73	-	-	-	-
3.19657	23.4 ave	10.4	0	33.8	56	46	-	-	-	-
			Margin [dB]:		-22.2	-12.2	-	-	-	-
4.47311	22.42 ave	10.4	0	32.82	56	46	-	-	-	-
			Margin [dB]:		-23.18	-13.18	-	-	-	-
Neutral .15 - 1MHz										
.16359	30.4 ave	11.9	0	42.3	65.3	55.3	-	-	-	-
			Margin [dB]:		-23	-13	-	-	-	-
.19536	26.29 ave	11.5	0	37.79	63.8	53.8	-	-	-	-
			Margin [dB]:		-26.01	-16.01	-	-	-	-
.22107	28.08 ave	11.3	0	39.38	62.8	52.8	-	-	-	-
			Margin [dB]:		-23.42	-13.42	-	-	-	-
.26153	29.24 ave	11	0	40.24	61.4	51.4	-	-	-	-
			Margin [dB]:		-21.16	-11.16	-	-	-	-
.29342	29.51 ave	10.9	0	40.41	60.4	50.4	-	-	-	-
			Margin [dB]:		-19.99	-9.99	-	-	-	-
.32548	27.29 ave	10.8	0	38.09	59.6	49.6	-	-	-	-
			Margin [dB]:		-21.51	-11.51	-	-	-	-
.35513	26.77 ave	10.7	0	37.47	58.8	48.8	-	-	-	-
			Margin [dB]:		-21.33	-11.33	-	-	-	-
.38484	27.61 ave	10.7	0	38.31	58.2	48.2	-	-	-	-
			Margin [dB]:		-19.89	-9.89	-	-	-	-
.42521	27.89 ave	10.6	0	38.49	57.3	47.3	-	-	-	-
			Margin [dB]:		-18.81	-8.81	-	-	-	-
.45821	26.32 ave	10.6	0	36.92	56.7	46.7	-	-	-	-
			Margin [dB]:		-19.78	-9.78	-	-	-	-
.49296	24.82 ave	10.5	0	35.32	56.1	46.1	-	-	-	-
			Margin [dB]:		-20.78	-10.78	-	-	-	-
.52399	25.77 ave	10.5	0	36.27	56	46	-	-	-	-
			Margin [dB]:		-19.73	-9.73	-	-	-	-
.55972	26.94 ave	10.5	0	37.44	56	46	-	-	-	-
			Margin [dB]:		-18.56	-8.56	-	-	-	-
.61769	23.91 ave	10.5	0	34.41	56	46	-	-	-	-
			Margin [dB]:		-21.59	-11.59	-	-	-	-
.68939	26.05 ave	10.4	0	36.45	56	46	-	-	-	-
			Margin [dB]:		-19.55	-9.55	-	-	-	-

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

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

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

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										
.76231	25.48 ave	10.4	0	35.88	56	46	-	-	-	-
			Margin [dB]:		-20.12	-10.12	-	-	-	-
.81929	24.59 ave	10.4	0	34.99	56	46	-	-	-	-
			Margin [dB]:		-21.01	-11.01	-	-	-	-
.88735	24.48 ave	10.4	0	34.88	56	46	-	-	-	-
			Margin [dB]:		-21.12	-11.12	-	-	-	-
.94595	22.52 ave	10.4	0	32.92	56	46	-	-	-	-
			Margin [dB]:		-23.08	-13.08	-	-	-	-
.99221	22.18 ave	10.4	0	32.58	56	46	-	-	-	-
			Margin [dB]:		-23.42	-13.42	-	-	-	-
Neutral 1 - 30MHz										
1.89668	24.32 ave	10.4	0	34.72	56	46	-	-	-	-
			Margin [dB]:		-21.28	-11.28	-	-	-	-
3.2347	22.45 ave	10.4	0	32.85	56	46	-	-	-	-
			Margin [dB]:		-23.15	-13.15	-	-	-	-
4.47936	20.91 ave	10.4	0	31.31	56	46	-	-	-	-
			Margin [dB]:		-24.69	-14.69	-	-	-	-

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

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

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

Figure 8 Conducted Emissions Graph

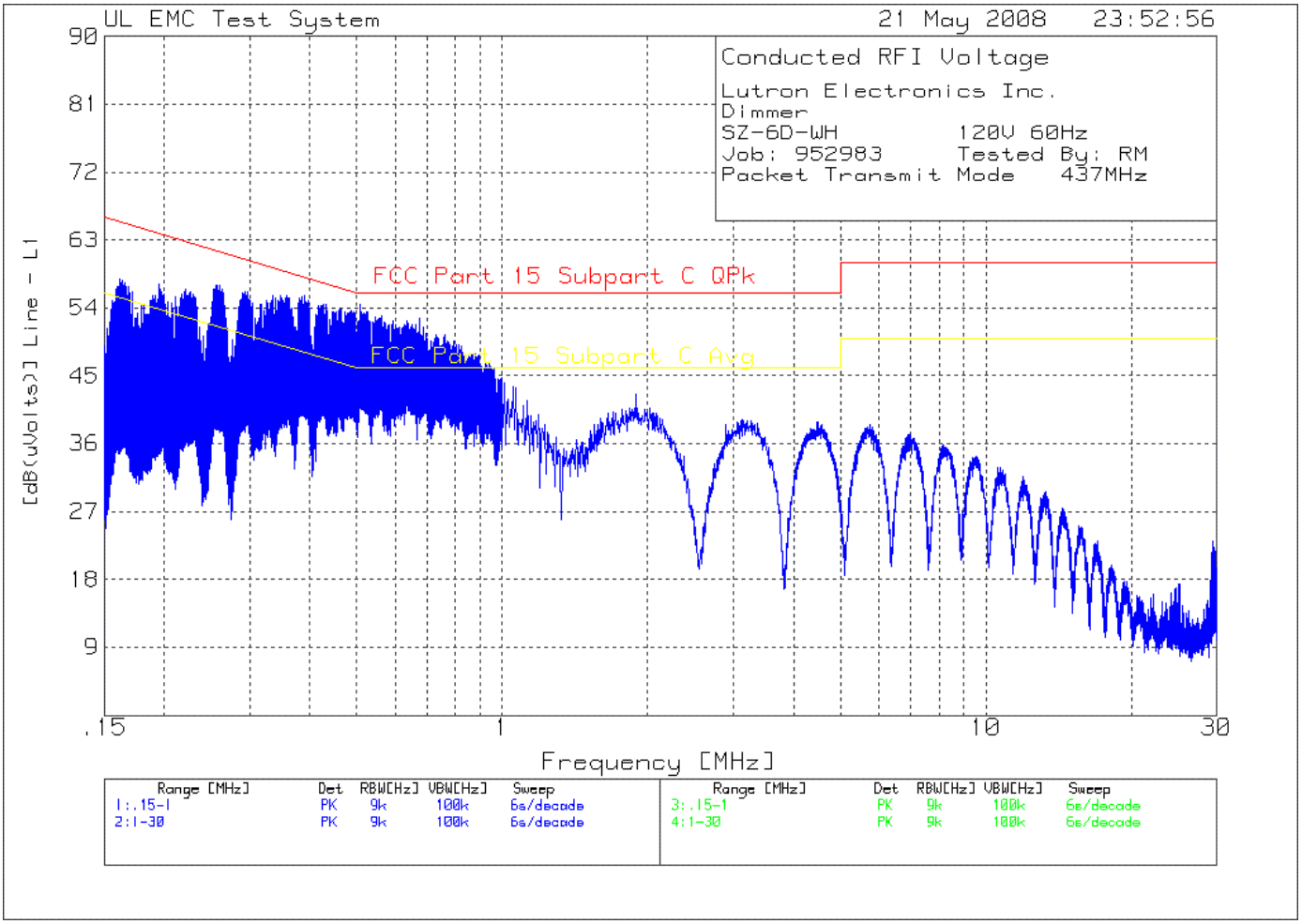


Figure 9 Conducted Emissions Graph

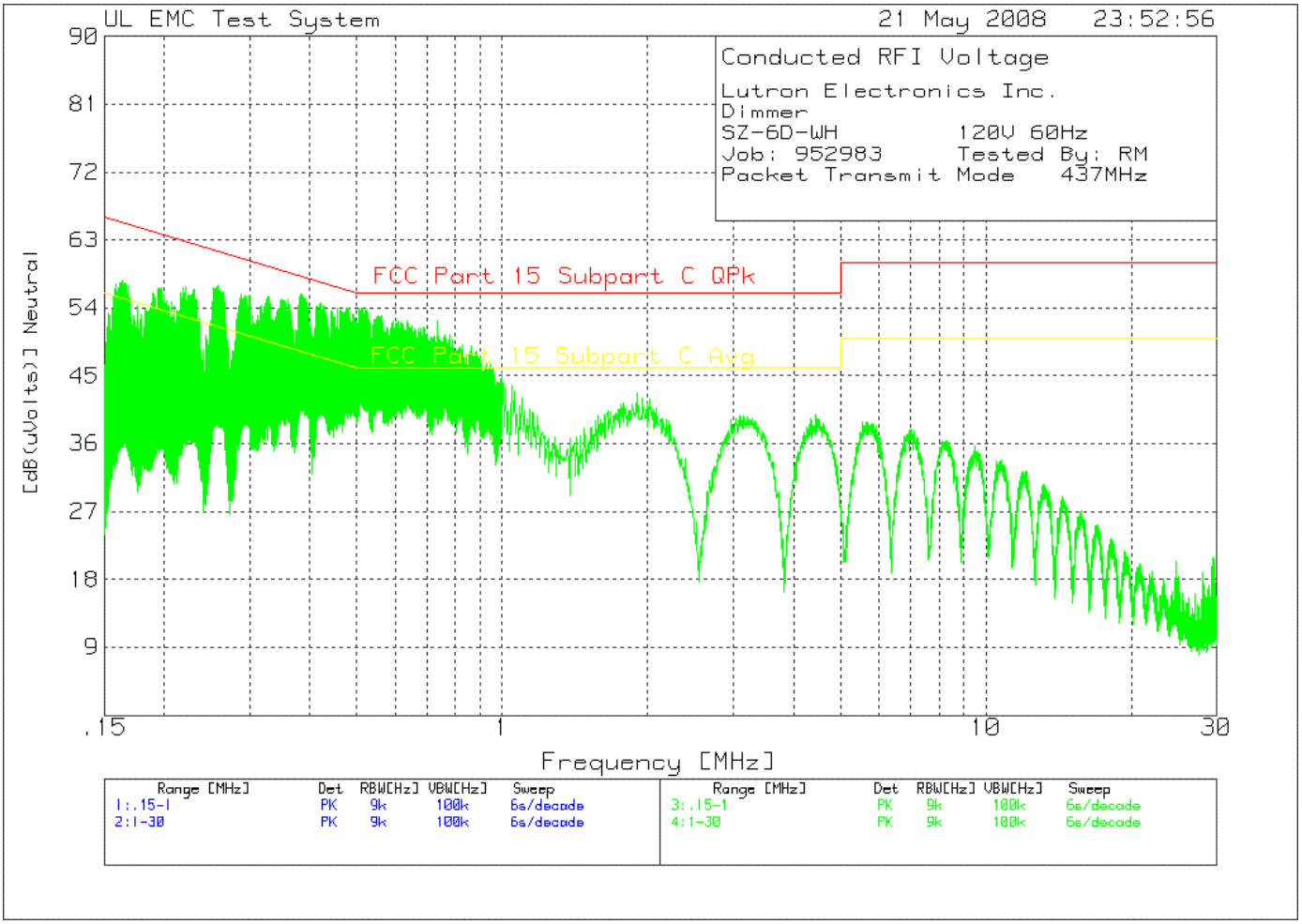


Table 6 Conducted Emissions Data Points

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Packet Transmit Mode 437MHz

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	.16207	45.91 pk	11.9	0	57.81	65.4	55.4	-	-	-	-
				Margin [dB]		-7.59	2.41	-	-	-	-
2	.19438	45.62 pk	11.5	0	57.12	63.8	53.8	-	-	-	-
				Margin [dB]		-6.68	3.32	-	-	-	-
3	.22669	44.89 pk	11.2	0	56.09	62.6	52.6	-	-	-	-
				Margin [dB]		-6.51	3.49	-	-	-	-
4	.25984	46 pk	11	0	57	61.4	51.4	-	-	-	-
				Margin [dB]		-4.4	5.6	-	-	-	-
5	.29419	45.25 pk	10.9	0	56.15	60.4	50.4	-	-	-	-
				Margin [dB]		-4.25	5.75	-	-	-	-
6	.34809	44.97 pk	10.7	0	55.67	59	49	-	-	-	-
				Margin [dB]		-3.33	6.67	-	-	-	-
7	.39077	44.99 pk	10.6	0	55.59	58	48	-	-	-	-
				Margin [dB]		-2.41	7.59	-	-	-	-
8	.4275	43.87 pk	10.6	0	54.47	57.3	47.3	-	-	-	-
				Margin [dB]		-2.83	7.17	-	-	-	-
9	.47324	43.02 pk	10.5	0	53.52	56.5	46.5	-	-	-	-
				Margin [dB]		-2.98	7.02	-	-	-	-
10	.50758	43.97 pk	10.5	0	54.47	56	46	-	-	-	-
				Margin [dB]		-1.53	8.47	-	-	-	-
11	.56386	42.43 pk	10.5	0	52.93	56	46	-	-	-	-
				Margin [dB]		-3.07	6.93	-	-	-	-
12	.63392	41.96 pk	10.4	0	52.36	56	46	-	-	-	-
				Margin [dB]		-3.64	6.36	-	-	-	-
13	.67609	42.16 pk	10.4	0	52.56	56	46	-	-	-	-
				Margin [dB]		-3.44	6.56	-	-	-	-
14	.75957	39.92 pk	10.4	0	50.32	56	46	-	-	-	-
				Margin [dB]		-5.68	4.32	-	-	-	-
15	.82095	38.62 pk	10.4	0	49.02	56	46	-	-	-	-
				Margin [dB]		-6.98	3.02	-	-	-	-
16	.87384	36.76 pk	10.4	0	47.16	56	46	-	-	-	-
				Margin [dB]		-8.84	1.16	-	-	-	-
17	.93896	35.64 pk	10.4	0	46.04	56	46	-	-	-	-
				Margin [dB]		-9.96	.04	-	-	-	-
18	.9983	34.28 pk	10.4	0	44.68	56	46	-	-	-	-
				Margin [dB]		-11.32	-1.32	-	-	-	-

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											
19	1.05221	33.15 pk	10.4	0	43.55	56	46	-	-	-	-
				Margin [dB]		-12.45	-2.45	-	-	-	-
20	1.12182	31.49 pk	10.3	0	41.79	56	46	-	-	-	-
				Margin [dB]		-14.21	-4.21	-	-	-	-
21	1.89338	32.27 pk	10.3	0	42.57	56	46	-	-	-	-
				Margin [dB]		-13.43	-3.43	-	-	-	-
22	2.021	30.49 pk	10.3	0	40.79	56	46	-	-	-	-
				Margin [dB]		-15.21	-5.21	-	-	-	-
23	3.21024	28.57 pk	10.4	0	38.97	56	46	-	-	-	-
				Margin [dB]		-17.03	-7.03	-	-	-	-
24	4.46329	28.43 pk	10.4	0	38.83	56	46	-	-	-	-
				Margin [dB]		-17.17	-7.17	-	-	-	-
Neutral .15 - 1MHz											
25	.16326	45.7 pk	11.9	0	57.6	65.3	55.3	-	-	-	-
				Margin [dB]		-7.7	2.3	-	-	-	-
26	.19727	45.12 pk	11.5	0	56.62	63.7	53.7	-	-	-	-
				Margin [dB]		-7.08	2.92	-	-	-	-
27	.22073	45.46 pk	11.3	0	56.76	62.8	52.8	-	-	-	-
				Margin [dB]		-6.04	3.96	-	-	-	-
28	.25865	45.99 pk	11	0	56.99	61.5	51.5	-	-	-	-
				Margin [dB]		-4.51	5.49	-	-	-	-
29	.29317	44.69 pk	10.9	0	55.59	60.4	50.4	-	-	-	-
				Margin [dB]		-4.81	5.19	-	-	-	-
30	.32701	44.68 pk	10.8	0	55.48	59.5	49.5	-	-	-	-
				Margin [dB]		-4.02	5.98	-	-	-	-
31	.36135	44.52 pk	10.7	0	55.22	58.7	48.7	-	-	-	-
				Margin [dB]		-3.48	6.52	-	-	-	-
32	.3821	45.17 pk	10.7	0	55.87	58.2	48.2	-	-	-	-
				Margin [dB]		-2.33	7.67	-	-	-	-
33	.42035	44.08 pk	10.6	0	54.68	57.4	47.4	-	-	-	-
				Margin [dB]		-2.72	7.28	-	-	-	-
34	.47868	43.51 pk	10.5	0	54.01	56.4	46.4	-	-	-	-
				Margin [dB]		-2.39	7.61	-	-	-	-
35	.51285	43.47 pk	10.5	0	53.97	56	46	-	-	-	-
				Margin [dB]		-2.03	7.97	-	-	-	-
36	.56182	42.4 pk	10.5	0	52.9	56	46	-	-	-	-
				Margin [dB]		-3.1	6.9	-	-	-	-
37	.62321	41.32 pk	10.5	0	51.82	56	46	-	-	-	-
				Margin [dB]		-4.18	5.82	-	-	-	-
38	.68476	41.06 pk	10.4	0	51.46	56	46	-	-	-	-
				Margin [dB]		-4.54	5.46	-	-	-	-
39	.73373	41.91 pk	10.4	0	52.31	56	46	-	-	-	-
				Margin [dB]		-3.69	6.31	-	-	-	-

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											
40	.77862	40.08 pk	10.4	0	50.48	56	46	-	-	-	-
				Margin [dB]		-5.52	4.48	-	-	-	-
41	.81925	38.4 pk	10.4	0	48.8	56	46	-	-	-	-
				Margin [dB]		-7.2	2.8	-	-	-	-
42	.86329	38.52 pk	10.4	0	48.92	56	46	-	-	-	-
				Margin [dB]		-7.08	2.92	-	-	-	-
43	.93879	35.76 pk	10.4	0	46.16	56	46	-	-	-	-
				Margin [dB]		-9.84	.16	-	-	-	-
44	.99507	35.08 pk	10.4	0	45.48	56	46	-	-	-	-
				Margin [dB]		-10.52	-.52	-	-	-	-
Neutral 1 - 30MHz											
45	1.04641	33.31 pk	10.4	0	43.71	56	46	-	-	-	-
				Margin [dB]		-12.29	-2.29	-	-	-	-
46	1.09862	31.65 pk	10.4	0	42.05	56	46	-	-	-	-
				Margin [dB]		-13.95	-3.95	-	-	-	-
47	1.95139	31.58 pk	10.4	0	41.98	56	46	-	-	-	-
				Margin [dB]		-14.02	-4.02	-	-	-	-
48	3.20444	29.09 pk	10.4	0	39.49	56	46	-	-	-	-
				Margin [dB]		-16.51	-6.51	-	-	-	-
49	4.37628	28.6 pk	10.4	0	39	56	46	-	-	-	-
				Margin [dB]		-17	-7	-	-	-	-

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

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Packet Transmit Mode 437MHz

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										
.16321	44.24 qp	11.9	0	56.14	65.3	55.3	-	-	-	-
			Margin [dB]:		-9.16	.84	-	-	-	-
.19572	42.1 qp	11.5	0	53.6	63.8	53.8	-	-	-	-
			Margin [dB]:		-10.2	-.2	-	-	-	-
.22533	42.74 qp	11.2	0	53.94	62.6	52.6	-	-	-	-
			Margin [dB]:		-8.66	1.34	-	-	-	-
.25915	44 qp	11	0	55	61.5	51.5	-	-	-	-
			Margin [dB]:		-6.5	3.5	-	-	-	-
.29359	42.95 qp	10.9	0	53.85	60.4	50.4	-	-	-	-
			Margin [dB]:		-6.55	3.45	-	-	-	-
.3495	41.88 qp	10.7	0	52.58	59	49	-	-	-	-
			Margin [dB]:		-6.42	3.58	-	-	-	-
.39127	41.91 qp	10.6	0	52.51	58	48	-	-	-	-
			Margin [dB]:		-5.49	4.51	-	-	-	-
.42646	40.93 qp	10.6	0	51.53	57.3	47.3	-	-	-	-
			Margin [dB]:		-5.77	4.23	-	-	-	-
.47297	39.69 qp	10.5	0	50.19	56.4	46.4	-	-	-	-
			Margin [dB]:		-6.21	3.79	-	-	-	-
.50869	40.41 qp	10.5	0	50.91	56	46	-	-	-	-
			Margin [dB]:		-5.09	4.91	-	-	-	-
.56351	37.32 qp	10.5	0	47.82	56	46	-	-	-	-
			Margin [dB]:		-8.18	1.82	-	-	-	-
.63462	38.12 qp	10.4	0	48.52	56	46	-	-	-	-
			Margin [dB]:		-7.48	2.52	-	-	-	-
.67751	36.23 qp	10.4	0	46.63	56	46	-	-	-	-
			Margin [dB]:		-9.37	.63	-	-	-	-
.7594	36.48 qp	10.4	0	46.88	56	46	-	-	-	-
			Margin [dB]:		-9.12	.88	-	-	-	-
.82123	33.63 qp	10.4	0	44.03	56	46	-	-	-	-
			Margin [dB]:		-11.97	-1.97	-	-	-	-
.87262	31.77 qp	10.4	0	42.17	56	46	-	-	-	-
			Margin [dB]:		-13.83	-3.83	-	-	-	-
.93952	30.69 qp	10.4	0	41.09	56	46	-	-	-	-
			Margin [dB]:		-14.91	-4.91	-	-	-	-
.99724	29 qp	10.4	0	39.4	56	46	-	-	-	-
			Margin [dB]:		-16.6	-6.6	-	-	-	-

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

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

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

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										
1.0573	29.44 qp	10.4	0	39.84	56	46	-	-	-	-
			Margin [dB]:		-16.16	-6.16	-	-	-	-
1.11081	26.96 qp	10.3	0	37.26	56	46	-	-	-	-
			Margin [dB]:		-18.74	-8.74	-	-	-	-
1.89718	27.9 qp	10.3	0	38.2	56	46	-	-	-	-
			Margin [dB]:		-17.8	-7.8	-	-	-	-
2.02042	28.08 qp	10.3	0	38.38	56	46	-	-	-	-
			Margin [dB]:		-17.62	-7.62	-	-	-	-
3.19135	27.18 qp	10.4	0	37.58	56	46	-	-	-	-
			Margin [dB]:		-18.42	-8.42	-	-	-	-
4.45402	26.69 qp	10.4	0	37.09	56	46	-	-	-	-
			Margin [dB]:		-18.91	-8.91	-	-	-	-
Neutral .15 - 1MHz										
.16341	44.62 qp	11.9	0	56.52	65.3	55.3	-	-	-	-
			Margin [dB]:		-8.78	1.22	-	-	-	-
.19714	42.23 qp	11.5	0	53.73	63.7	53.7	-	-	-	-
			Margin [dB]:		-9.97	.03	-	-	-	-
.22161	43.52 qp	11.2	0	54.72	62.7	52.7	-	-	-	-
			Margin [dB]:		-7.98	2.02	-	-	-	-
.25914	43.98 qp	11	0	54.98	61.5	51.5	-	-	-	-
			Margin [dB]:		-6.52	3.48	-	-	-	-
.29277	43.13 qp	10.9	0	54.03	60.4	50.4	-	-	-	-
			Margin [dB]:		-6.37	3.63	-	-	-	-
.32665	40.83 qp	10.8	0	51.63	59.5	49.5	-	-	-	-
			Margin [dB]:		-7.87	2.13	-	-	-	-
.35983	41.27 qp	10.7	0	51.97	58.7	48.7	-	-	-	-
			Margin [dB]:		-6.73	3.27	-	-	-	-
.38359	42.93 qp	10.7	0	53.63	58.2	48.2	-	-	-	-
			Margin [dB]:		-4.57	5.43	-	-	-	-
.42128	40.76 qp	10.6	0	51.36	57.4	47.4	-	-	-	-
			Margin [dB]:		-6.04	3.96	-	-	-	-
.47809	39.52 qp	10.5	0	50.02	56.4	46.4	-	-	-	-
			Margin [dB]:		-6.38	3.62	-	-	-	-
.5127	39.71 qp	10.5	0	50.21	56	46	-	-	-	-
			Margin [dB]:		-5.79	4.21	-	-	-	-
.56069	38.88 qp	10.5	0	49.38	56	46	-	-	-	-
			Margin [dB]:		-6.62	3.38	-	-	-	-
.62341	37.36 qp	10.5	0	47.86	56	46	-	-	-	-
			Margin [dB]:		-8.14	1.86	-	-	-	-
.68591	36.35 qp	10.4	0	46.75	56	46	-	-	-	-
			Margin [dB]:		-9.25	.75	-	-	-	-

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

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

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

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										
.73255	34.77 qp	10.4	0	45.17	56	46	-	-	-	-
			Margin [dB]:		-10.83	-.83	-	-	-	-
.77962	34.23 qp	10.4	0	44.63	56	46	-	-	-	-
			Margin [dB]:		-11.37	-1.37	-	-	-	-
.8197	33.73 qp	10.4	0	44.13	56	46	-	-	-	-
			Margin [dB]:		-11.87	-1.87	-	-	-	-
.86205	32.22 qp	10.4	0	42.62	56	46	-	-	-	-
			Margin [dB]:		-13.38	-3.38	-	-	-	-
.93939	30.94 qp	10.4	0	41.34	56	46	-	-	-	-
			Margin [dB]:		-14.66	-4.66	-	-	-	-
.9941	29.49 qp	10.4	0	39.89	56	46	-	-	-	-
			Margin [dB]:		-16.11	-6.11	-	-	-	-
Neutral 1 - 30MHz										
1.05726	28.02 qp	10.4	0	38.42	56	46	-	-	-	-
			Margin [dB]:		-17.58	-7.58	-	-	-	-
1.11121	26.8 qp	10.4	0	37.2	56	46	-	-	-	-
			Margin [dB]:		-18.8	-8.8	-	-	-	-
1.94718	27.88 qp	10.4	0	38.28	56	46	-	-	-	-
			Margin [dB]:		-17.72	-7.72	-	-	-	-
3.19317	27.18 qp	10.4	0	37.58	56	46	-	-	-	-
			Margin [dB]:		-18.42	-8.42	-	-	-	-
4.38541	26.5 qp	10.4	0	36.9	56	46	-	-	-	-
			Margin [dB]:		-19.1	-9.1	-	-	-	-

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

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

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

Lutron Electronics Inc.
Dimmer
SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Packet Transmit Mode 437MHz

Frequency [MHz]	Test 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										
.16321	30.33 ave	11.9	0	42.23	65.3	55.3	-	-	-	-
			Margin [dB]:		-23.07	-13.07	-	-	-	-
.19572	26.53 ave	11.5	0	38.03	63.8	53.8	-	-	-	-
			Margin [dB]:		-25.77	-15.77	-	-	-	-
.22533	27.73 ave	11.2	0	38.93	62.6	52.6	-	-	-	-
			Margin [dB]:		-23.67	-13.67	-	-	-	-
.25915	29.68 ave	11	0	40.68	61.5	51.5	-	-	-	-
			Margin [dB]:		-20.82	-10.82	-	-	-	-
.29359	29.24 ave	10.9	0	40.14	60.4	50.4	-	-	-	-
			Margin [dB]:		-20.26	-10.26	-	-	-	-
.3495	26.89 ave	10.7	0	37.59	59	49	-	-	-	-
			Margin [dB]:		-21.41	-11.41	-	-	-	-
.39127	27.37 ave	10.6	0	37.97	58	48	-	-	-	-
			Margin [dB]:		-20.03	-10.03	-	-	-	-
.42646	27.59 ave	10.6	0	38.19	57.3	47.3	-	-	-	-
			Margin [dB]:		-19.11	-9.11	-	-	-	-
.47297	25.39 ave	10.5	0	35.89	56.5	46.5	-	-	-	-
			Margin [dB]:		-20.61	-10.61	-	-	-	-
.50869	25.19 ave	10.5	0	35.69	56	46	-	-	-	-
			Margin [dB]:		-20.31	-10.31	-	-	-	-
.56351	26.03 ave	10.5	0	36.53	56	46	-	-	-	-
			Margin [dB]:		-19.47	-9.47	-	-	-	-
.63462	24.81 ave	10.4	0	35.21	56	46	-	-	-	-
			Margin [dB]:		-20.79	-10.79	-	-	-	-
.67751	23.53 ave	10.4	0	33.93	56	46	-	-	-	-
			Margin [dB]:		-22.07	-12.07	-	-	-	-
.7594	25.22 ave	10.4	0	35.62	56	46	-	-	-	-
			Margin [dB]:		-20.38	-10.38	-	-	-	-
.82123	24.32 ave	10.4	0	34.72	56	46	-	-	-	-
			Margin [dB]:		-21.28	-11.28	-	-	-	-
.87262	21.24 ave	10.4	0	31.64	56	46	-	-	-	-
			Margin [dB]:		-24.36	-14.36	-	-	-	-
.93952	21.72 ave	10.4	0	32.12	56	46	-	-	-	-
			Margin [dB]:		-23.88	-13.88	-	-	-	-
.99724	21.46 ave	10.4	0	31.86	56	46	-	-	-	-
			Margin [dB]:		-24.14	-14.14	-	-	-	-

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

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

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

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										
1.0573	22.2 ave	10.4	0	32.6	56	46	-	-	-	-
			Margin [dB]:		-23.4	-13.4	-	-	-	-
1.11081	19.96 ave	10.3	0	30.26	56	46	-	-	-	-
			Margin [dB]:		-25.74	-15.74	-	-	-	-
1.89718	23.36 ave	10.3	0	33.66	56	46	-	-	-	-
			Margin [dB]:		-22.34	-12.34	-	-	-	-
2.02042	23.24 ave	10.3	0	33.54	56	46	-	-	-	-
			Margin [dB]:		-22.46	-12.46	-	-	-	-
3.19135	22.28 ave	10.4	0	32.68	56	46	-	-	-	-
			Margin [dB]:		-23.32	-13.32	-	-	-	-
4.45402	21.45 ave	10.4	0	31.85	56	46	-	-	-	-
			Margin [dB]:		-24.15	-14.15	-	-	-	-
Neutral .15 - 1MHz										
.16341	30.29 ave	11.9	0	42.19	65.3	55.3	-	-	-	-
			Margin [dB]:		-23.11	-13.11	-	-	-	-
.19714	26.85 ave	11.5	0	38.35	63.7	53.7	-	-	-	-
			Margin [dB]:		-25.35	-15.35	-	-	-	-
.22161	27.82 ave	11.2	0	39.02	62.8	52.8	-	-	-	-
			Margin [dB]:		-23.78	-13.78	-	-	-	-
.25914	29.7 ave	11	0	40.7	61.5	51.5	-	-	-	-
			Margin [dB]:		-20.8	-10.8	-	-	-	-
.29277	29.19 ave	10.9	0	40.09	60.4	50.4	-	-	-	-
			Margin [dB]:		-20.31	-10.31	-	-	-	-
.32665	26.99 ave	10.8	0	37.79	59.5	49.5	-	-	-	-
			Margin [dB]:		-21.71	-11.71	-	-	-	-
.35983	26.39 ave	10.7	0	37.09	58.7	48.7	-	-	-	-
			Margin [dB]:		-21.61	-11.61	-	-	-	-
.38359	27.36 ave	10.7	0	38.06	58.2	48.2	-	-	-	-
			Margin [dB]:		-20.14	-10.14	-	-	-	-
.42128	27.43 ave	10.6	0	38.03	57.4	47.4	-	-	-	-
			Margin [dB]:		-19.37	-9.37	-	-	-	-
.47809	25.83 ave	10.5	0	36.33	56.4	46.4	-	-	-	-
			Margin [dB]:		-20.07	-10.07	-	-	-	-
.5127	25.68 ave	10.5	0	36.18	56	46	-	-	-	-
			Margin [dB]:		-19.82	-9.82	-	-	-	-
.56069	26.89 ave	10.5	0	37.39	56	46	-	-	-	-
			Margin [dB]:		-18.61	-8.61	-	-	-	-
.62341	24.43 ave	10.5	0	34.93	56	46	-	-	-	-
			Margin [dB]:		-21.07	-11.07	-	-	-	-
.68591	25.02 ave	10.4	0	35.42	56	46	-	-	-	-
			Margin [dB]:		-20.58	-10.58	-	-	-	-
.73255	24.78 ave	10.4	0	35.18	56	46	-	-	-	-
			Margin [dB]:		-20.82	-10.82	-	-	-	-
.77962	21.65 ave	10.4	0	32.05	56	46	-	-	-	-
			Margin [dB]:		-23.95	-13.95	-	-	-	-

NOTE: "+" - Indicates an emission level in excess of the applicable limit (s).
pk - Peak detector
qp - Quasi-Peak detector
av - Average detector
avlg - denotes average log detection
ave - denotes average detection

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

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										
.8197	24.64 ave	10.4	0	35.04	56	46	-	-	-	-
			Margin [dB]:		-20.96	-10.96	-	-	-	-
.86205	23.32 ave	10.4	0	33.72	56	46	-	-	-	-
			Margin [dB]:		-22.28	-12.28	-	-	-	-
.93939	21.93 ave	10.4	0	32.33	56	46	-	-	-	-
			Margin [dB]:		-23.67	-13.67	-	-	-	-
.9941	22.24 ave	10.4	0	32.64	56	46	-	-	-	-
			Margin [dB]:		-23.36	-13.36	-	-	-	-
Neutral 1 - 30MHz										
1.05726	22.77 ave	10.4	0	33.17	56	46	-	-	-	-
			Margin [dB]:		-22.83	-12.83	-	-	-	-
1.11121	20.4 ave	10.4	0	30.8	56	46	-	-	-	-
			Margin [dB]:		-25.2	-15.2	-	-	-	-
1.94718	23.57 ave	10.4	0	33.97	56	46	-	-	-	-
			Margin [dB]:		-22.03	-12.03	-	-	-	-
3.19317	22.94 ave	10.4	0	33.34	56	46	-	-	-	-
			Margin [dB]:		-22.66	-12.66	-	-	-	-
4.38541	20.98 ave	10.4	0	31.38	56	46	-	-	-	-
			Margin [dB]:		-24.62	-14.62	-	-	-	-

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

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

LIMIT 1: FCC Part 15 Subpart C QPk
LIMIT 2: FCC Part 15 Subpart C Avg
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. The video bandwidth is set to a minimum of 3 times the selected resolution bandwidth.
Basic Standard	FCC Part 15, Subpart C, 15.231, RSS-GEN, RSS-210
Occupied Bandwidth Limits	
0.25% of the Fundamental Frequency	

Table 7 Occupied Bandwidth Configuration Settings

Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	1
1	1	2
1	1	3
Supplementary information: None		

Table 8 Occupied Bandwidth Spectrum Analyzer Settings

Resolution Bandwidth (MHz)	Occupied Bandwidth Requirements	
	dBc	%
1% of the Span	-20	99
Supplementary information: Span shall be wide enough to capture all products of the modulation process.		

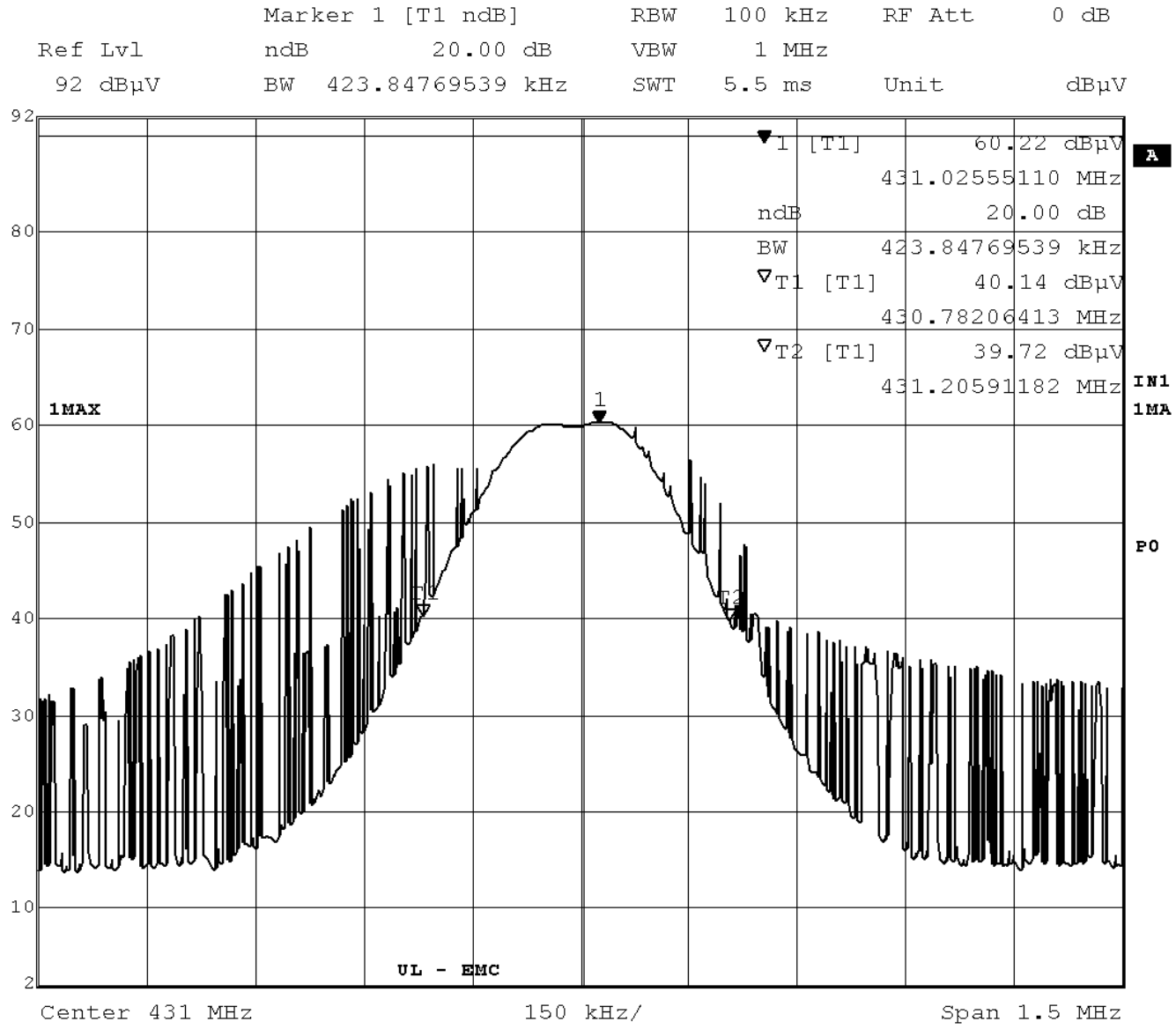
Table 9 Occupied Bandwidth Test Equipment

Test Equipment Used			
Description	Manufacturer	Model	Identifier
EMI Receiver	Rohde & Schwarz	ESIB26	ME5B-081
Dipole Antenna	EMCO	3121C	3359
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268
Measurement Software	UL	Version 9.3	44740
Multimeter	Fluke	87V	44547
Multimeter	Fluke	83V	43443
Multimeter	Fluke	83V	44459

Test Equipment Used			
Description	Manufacturer	Model	Identifier
Multimeter	Fluke	87III	ME5B-218
Multimeter	Fluke	83III	ME5B-305
Multimeter	Fluke	83III	ME5B-306

Figure 10 Test Setup for Occupied Bandwidth

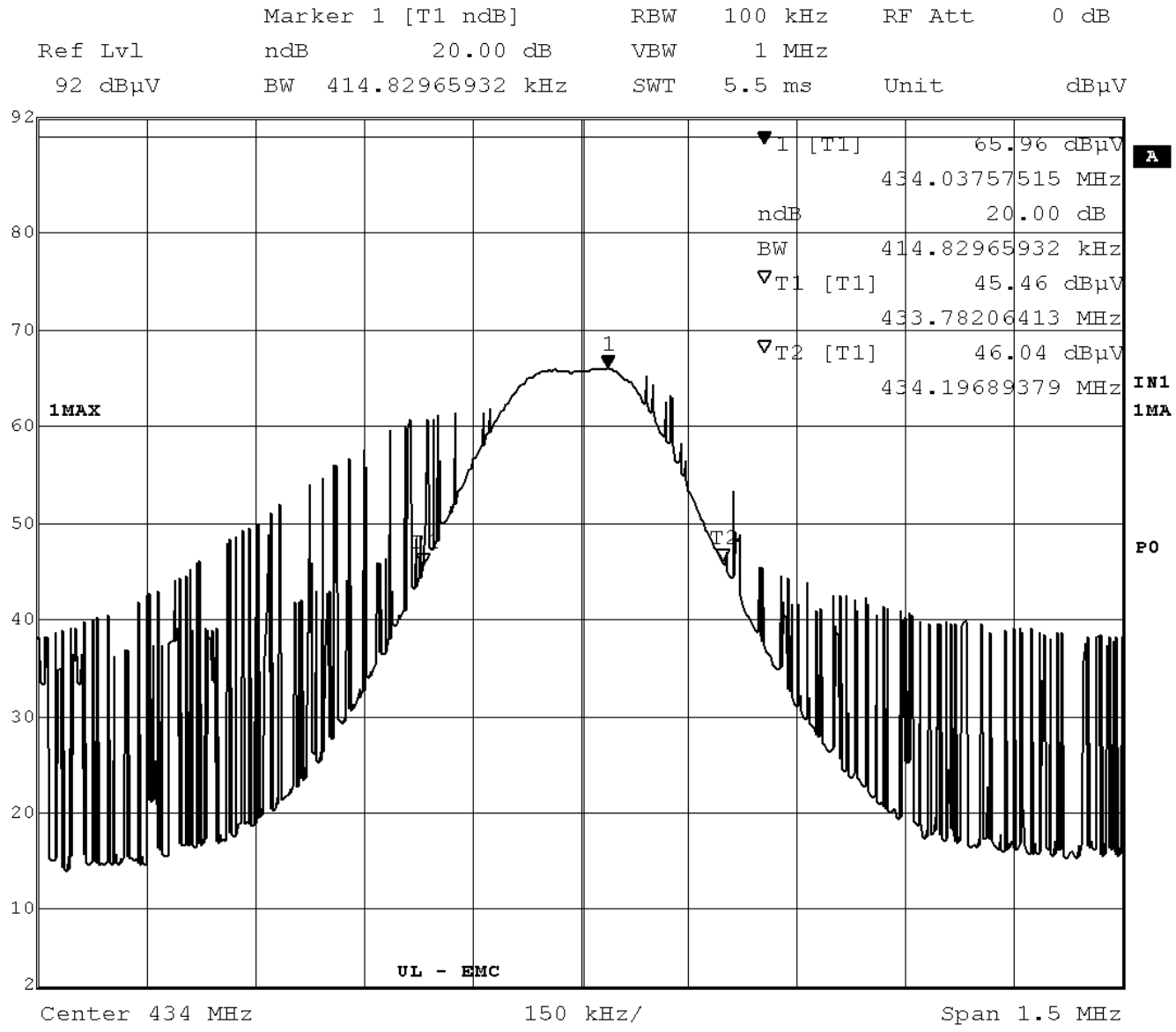
Figure 11 Occupied Bandwidth Graph – 20dB



Date: 19.JUN.2008 13:59:10

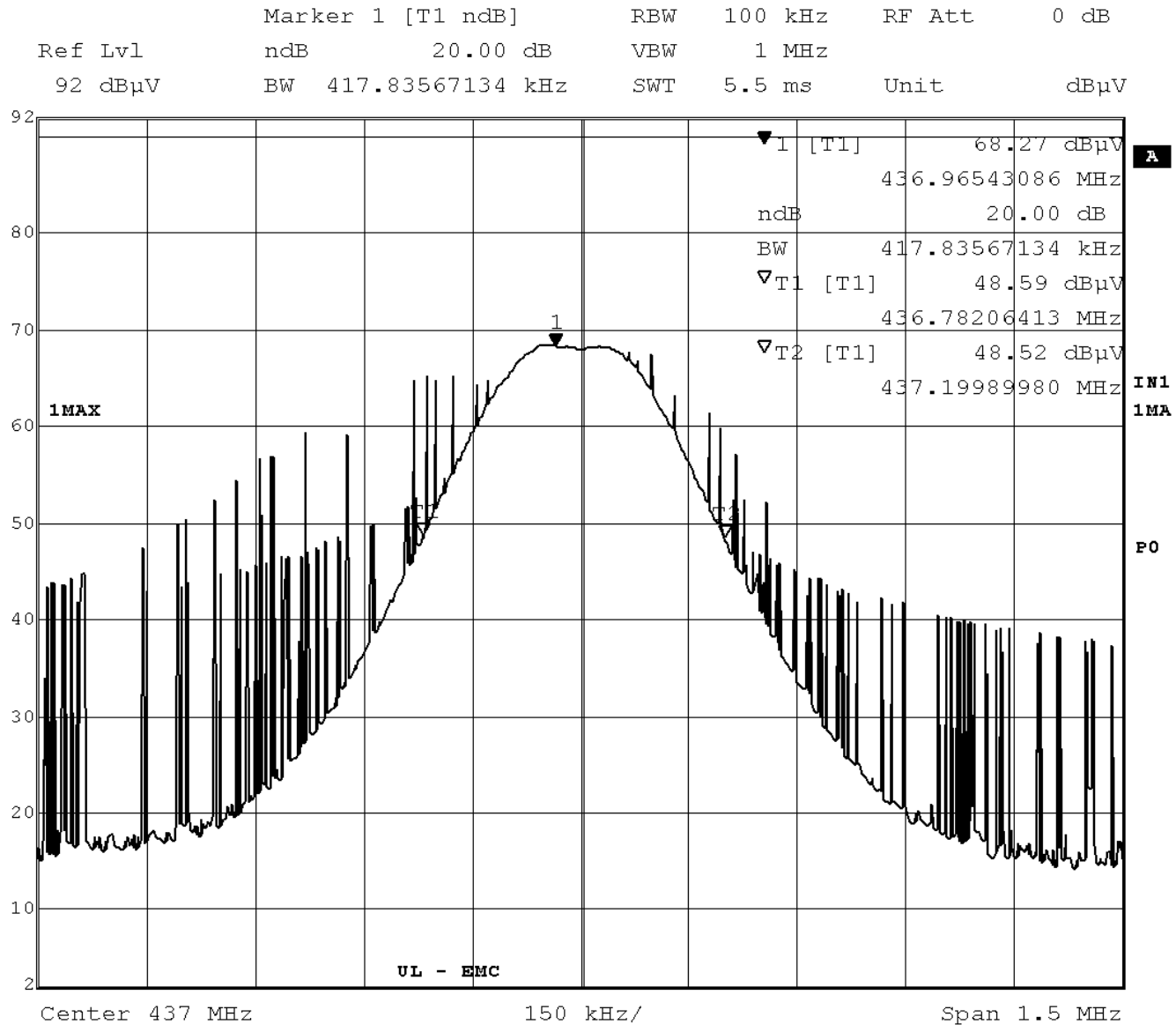
Manual marks used to capture modulation components - -20dB OBW = 750kHz

Figure 12 Occupied Bandwidth Graph – 20dB



Manual marks used to capture modulation components - -20dB OBW = 750kHz

Figure 13 Occupied Bandwidth Graph – 20dB



Date: 19.JUN.2008 13:57:48

Manual marks used to capture modulation components - -20dB OBW = 825kHz

Figure 14 Occupied Bandwidth Graph – 99%

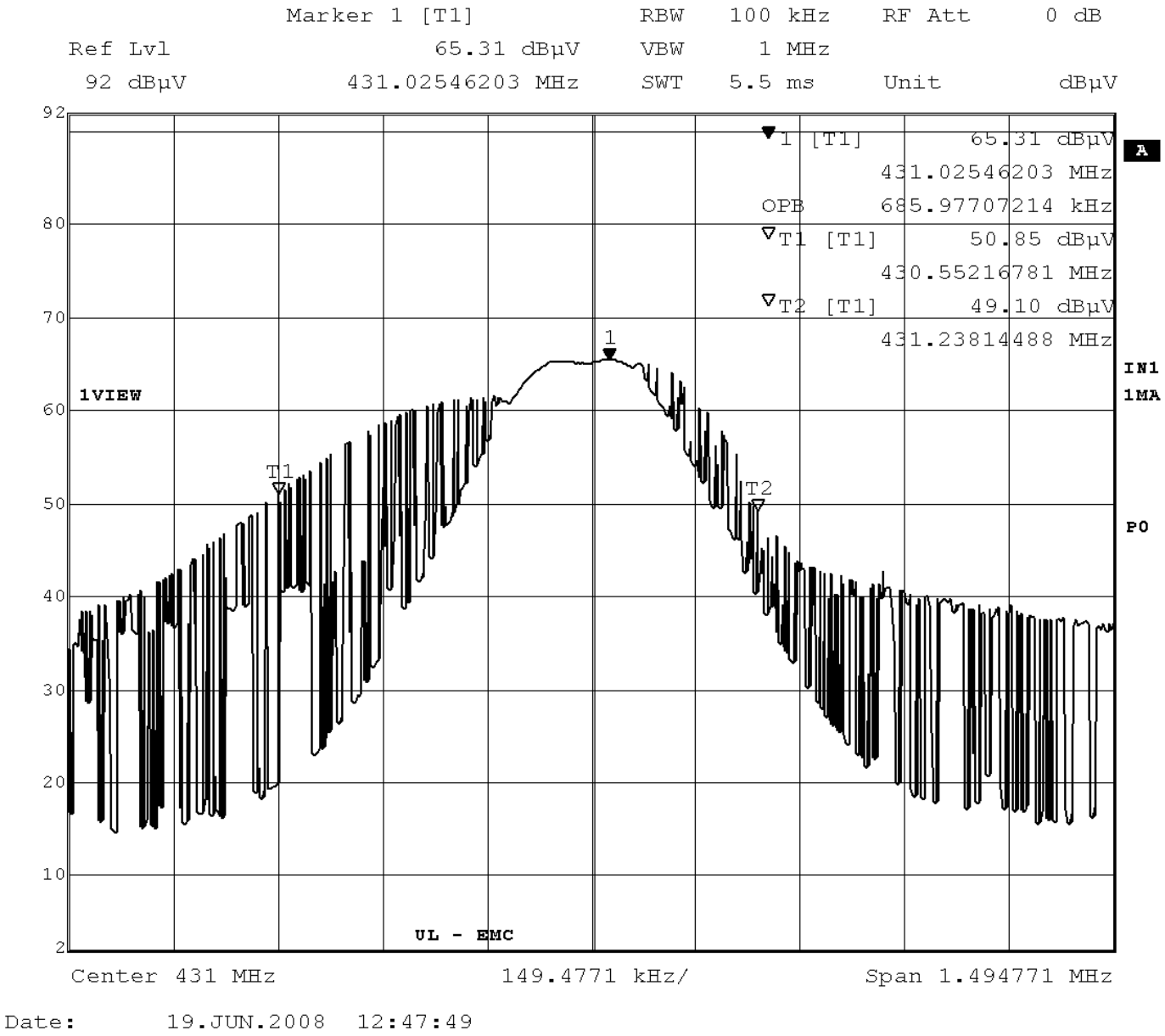


Figure 15 Occupied Bandwidth Graph – 99%

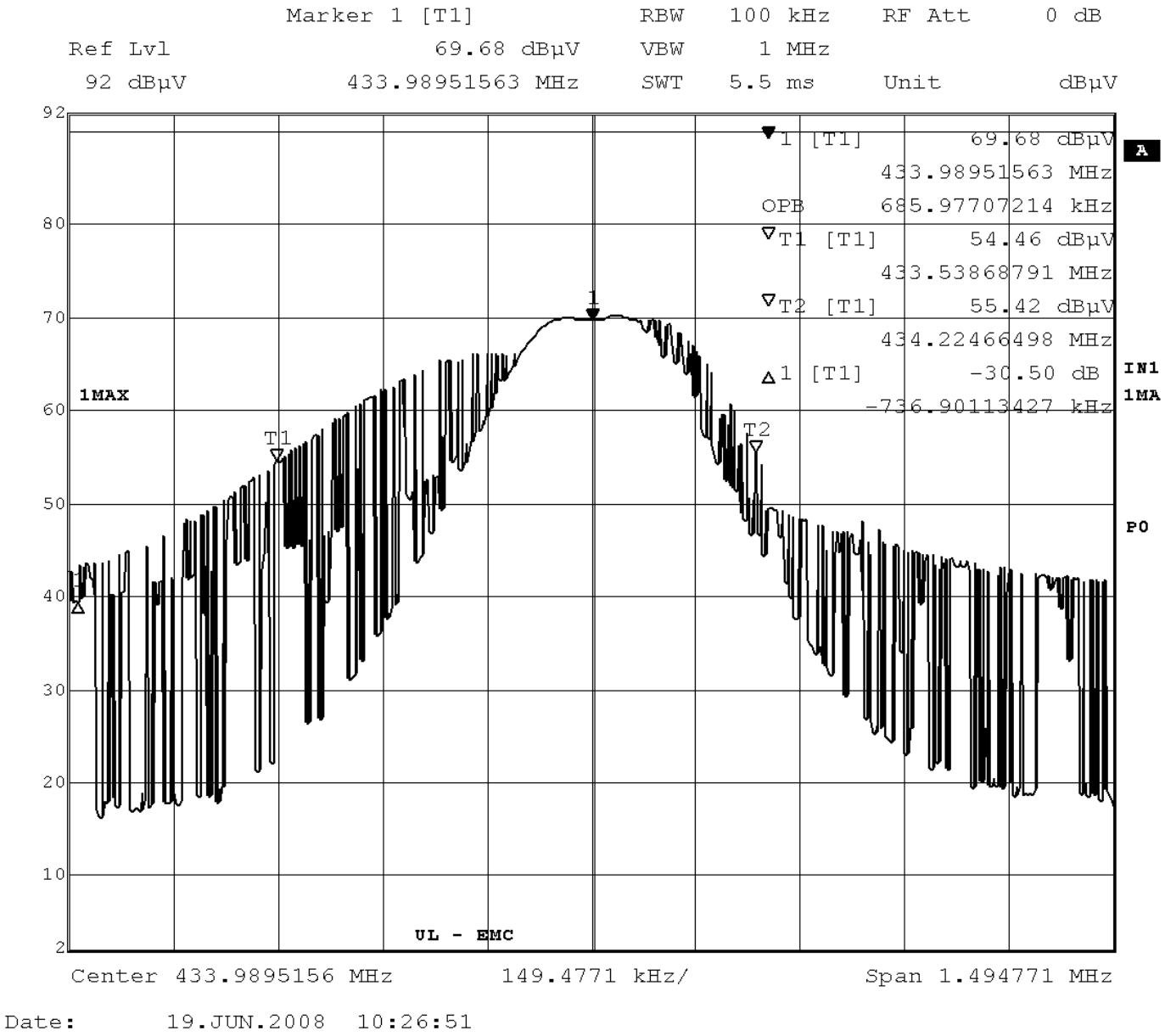
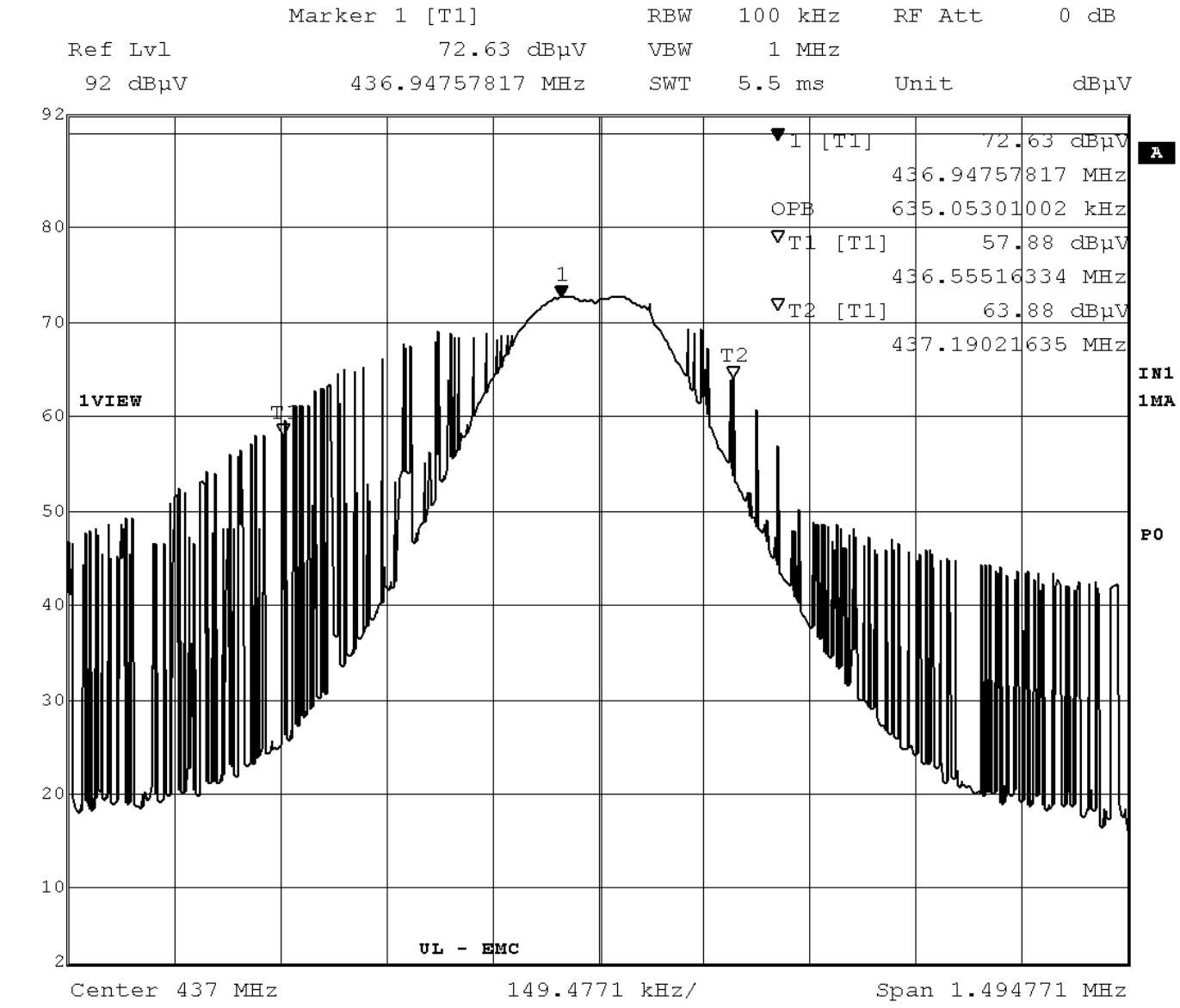


Figure 16 Occupied Bandwidth Graph – 99%



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, 15.231, RSS-GEN, RSS-210
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

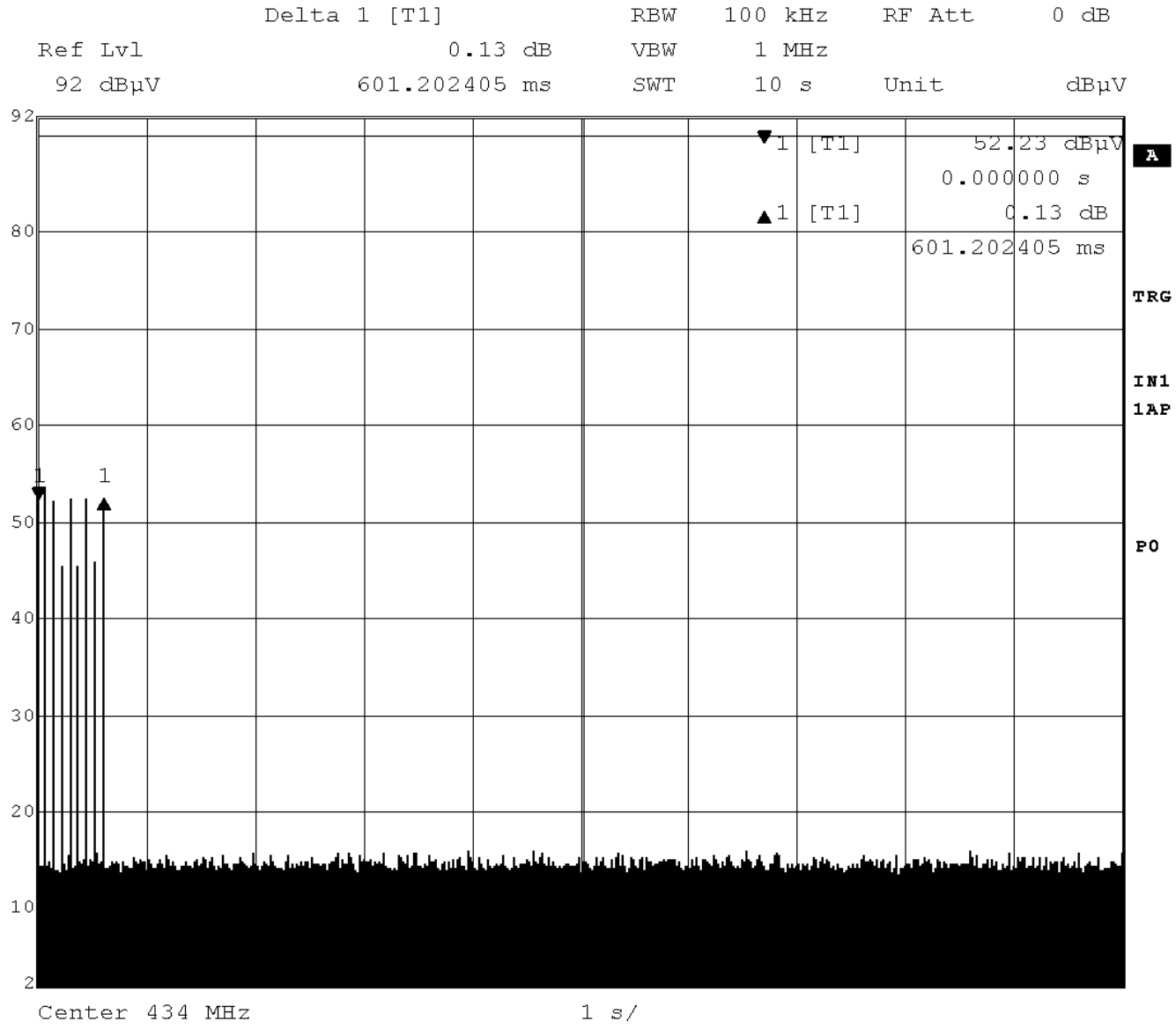
Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	5
Supplementary information: Same timing circuitry used for all channels. Only 434MHz used for compliance.		

Table 11 Cease Operation Test Equipment

Test Equipment Used			
Description	Manufacturer	Model	Identifier
EMI Receiver	Rohde & Schwarz	ESIB26	ME5B-081
Dipole Antenna	EMCO	3121C	3359
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268
Measurement Software	UL	Version 9.3	44740
Multimeter	Fluke	87V	44549

Figure 17 Test Setup for Cease Operation

Figure 18 Cease Operation Graph



Date: 19.JUN.2008 13:08:49
Note, more than one transmission captured.

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	4
1	1	5
1	1	6
Supplementary information: None		

Table 13 Pulse Train Calculation

Pulse Width (mS)	Total Transmission time or 100ms which ever is lesser	Average Correction Factor (dB) $20\log\left(\frac{PulseWidth}{TotalTransmissionTime}\right)$
4.81	75.15	-23.88

Table 14 Pulse Train Test Equipment

Test Equipment Used			
Description	Manufacturer	Model	Identifier
EMI Receiver	Rohde & Schwarz	ESIB26	ME5B-081
Dipole Antenna	EMCO	3121C	3359
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268
Measurement Software	UL	Version 9.3	44740
Multimeter	Fluke	83III	ME5B-305

Figure 19 Test Setup for Pulse Train

Figure 20 Pulse Train Graph – 431MHz

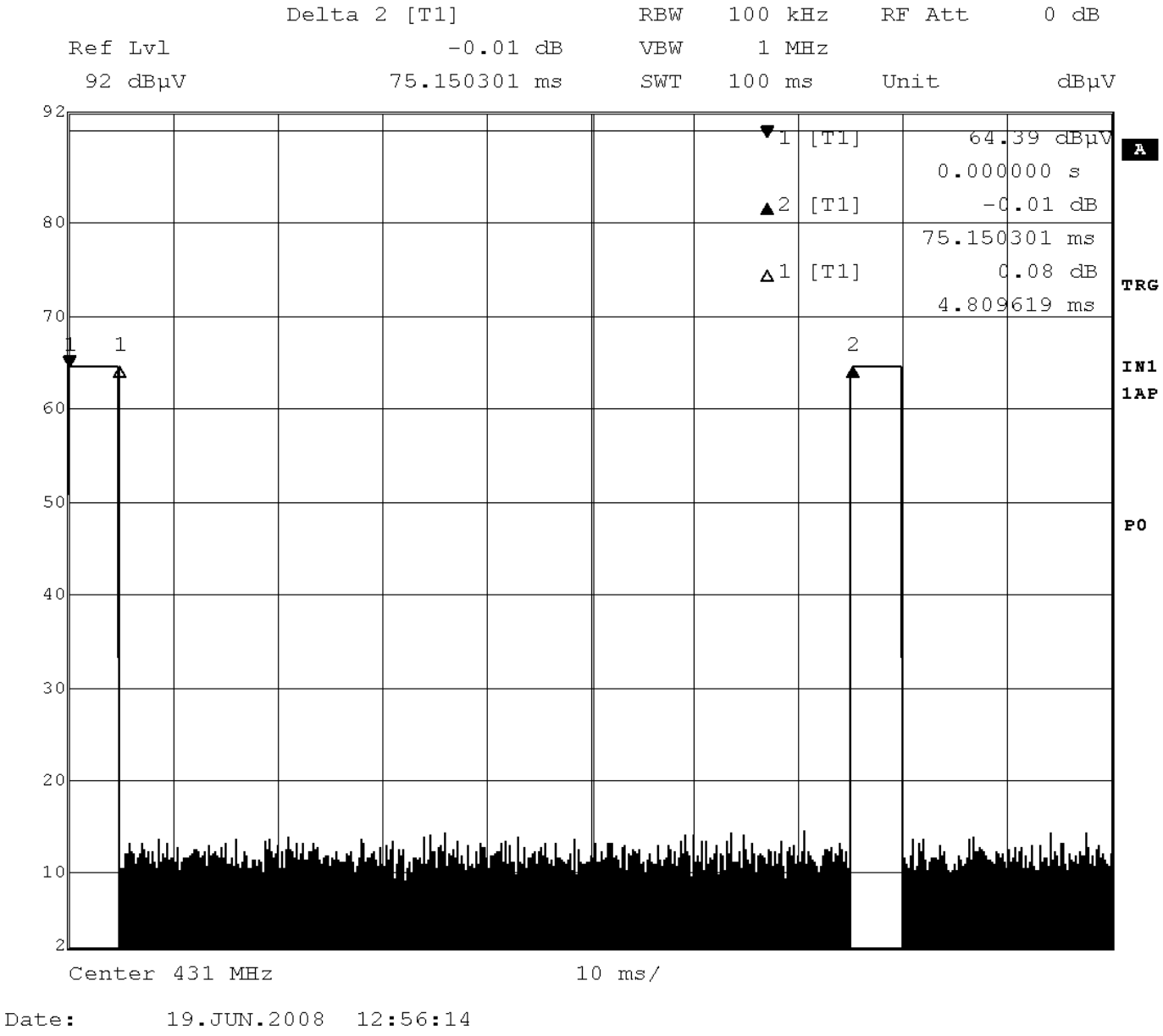


Figure 21 Pulse Train Graph – 434MHz

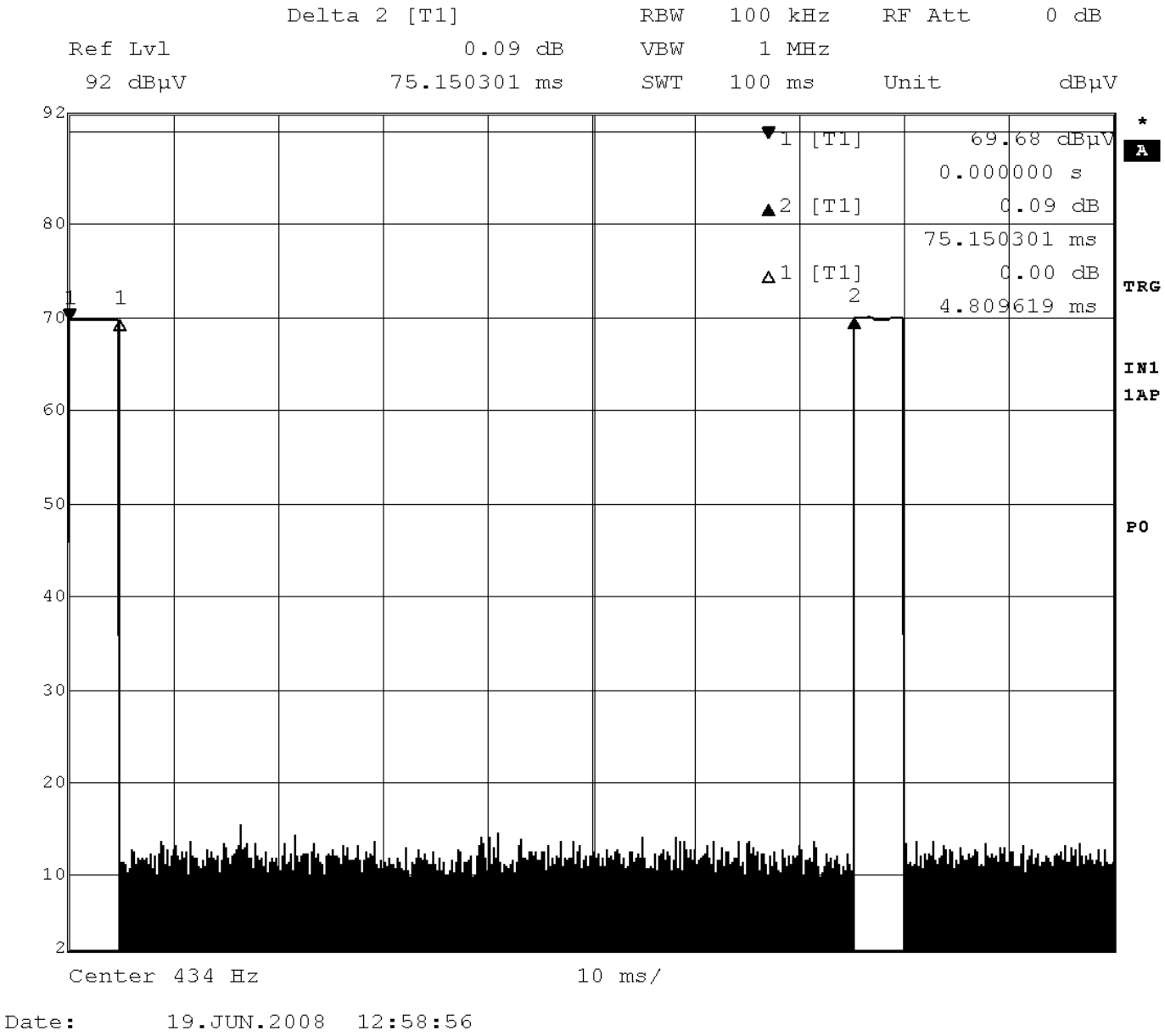
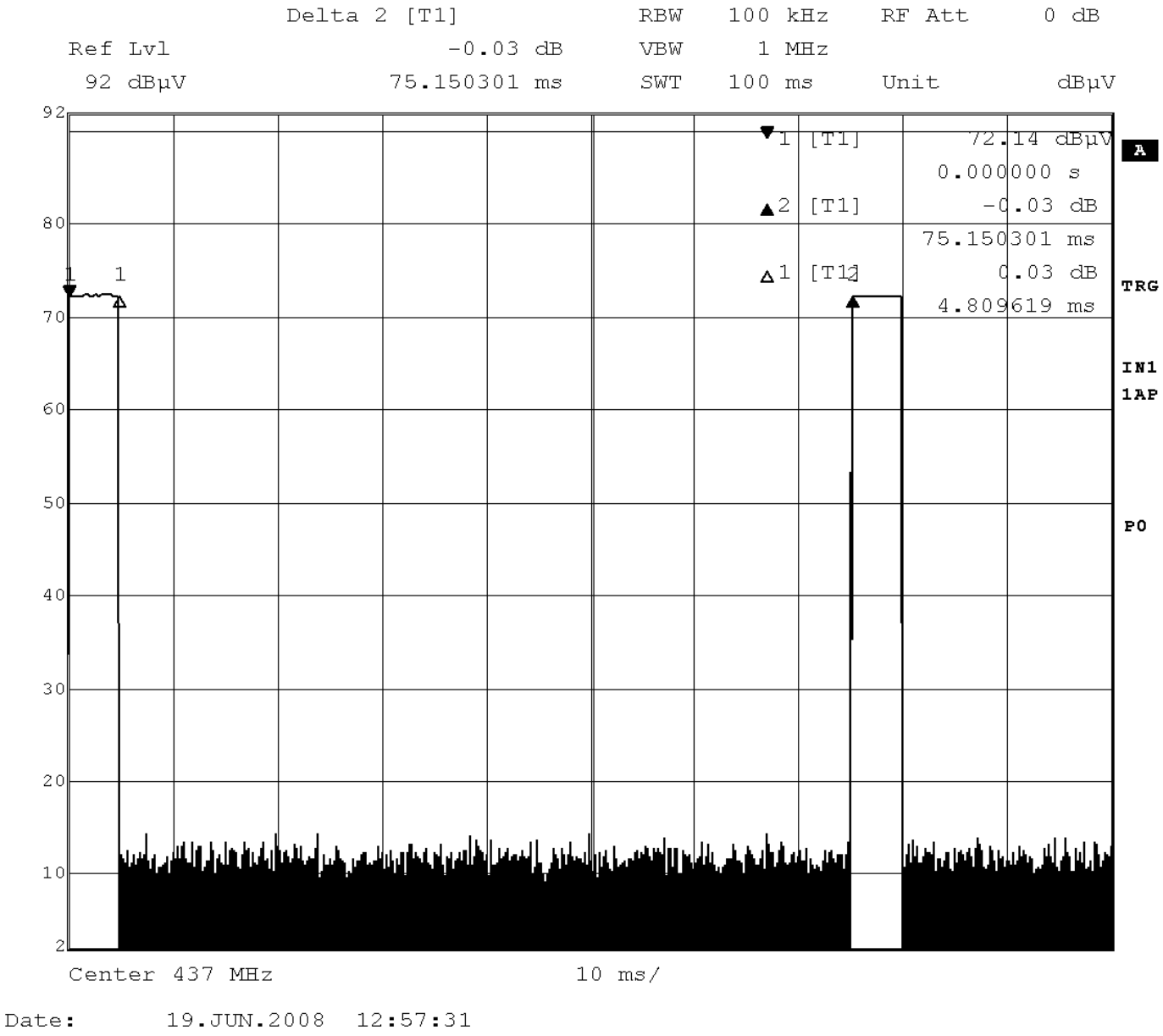


Figure 22 Pulse Train Graph – 437MHz



Date: 19.JUN.2008 12:57:31

4.5 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. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3-meter. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in both horizontal and vertical polarities. Final measurements (quasi-peak or average as noted) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.		
Basic Standard	FCC Part 15, Subpart C, 15.231, 15.209, RSS-GEN, RSS-210		
UL LPG	80-EM-S0029		
	Frequency range		Measurement Point
Fully configured sample scanned over the following frequency range	0.009MHz – 1GHz		(3 meter measurement distance)
Fully configured sample scanned over the following frequency range	1GHz – 5 GHz		(3 meter measurement distance)
Limits			
Frequency (MHz)	Limit (dBµV/m)		
	Quasi-Peak	Average	
	General Emissions	Fundamental	Spurious/ Unintentional
0.009 – 0.490	128.5 – 93.8	-	-
0.490 – 1.705	73.8 – 63	-	-
1.705 – 30	69.5	-	-
30 – 88	40	-	-
88 – 216	43.5	-	-
216-960	46	-	-
960-1000	54	-	-
1000-10000	-	-	54
431	-	80.7	-
434	-	80.8	-
437	-	80.9	-
Harmonics of the Fundamental 431	-	-	60.7
Harmonics of the Fundamental 434	-	-	60.8
Harmonics of the Fundamental 437	-	-	60.9
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

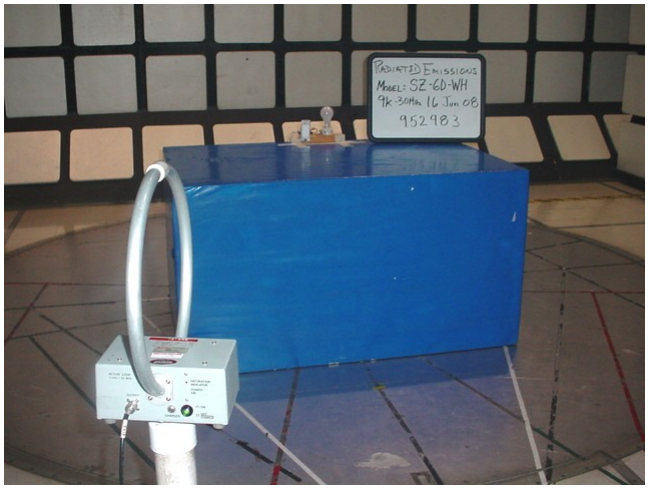
Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	1
1	1	2
1	1	3
1	1	7
1	1	8
1	1	9
Supplementary information: Since no emissions were noted above 500MHz in receive mode on each channel, only one channel was conducted above 1GHz (Mode 8).		

Table 16 Radiated Emissions Test Equipment

Test Equipment Used			
Description	Manufacturer	Model	Identifier
9kHz-30MHz			
EMI Receiver	Rohde & Schwarz	ESIB40	34968
Spectrum Analyzer	Agilent	E7405A	19695
Active Loop Antenna	EMCO	6507	ME5A-288
Switch Driver	HP	11713A	ME7A-627
System Controller	Sunol Sciences	SC99V	44396
Camera Controller	Panasonic	WV-CU254	44395
RF Switch Box	UL	1	44398
Measurement Software	UL	Version 9.3	44740
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268
Multimeter	Fluke	87V	44547
30-1000MHz			
EMI Receiver	Rohde & Schwarz	ESIB40	34968
Bicon Antenna	Schaffner	VBA6106A	43441
Log-P Antenna	Schaffner	UPA6109	44068
Bias Tee	Miteq	AM-1523-7687	44392
Bias Tee	Miteq	AM-1523-7687	44393
Preamp	Miteq	AM-3A-000110-7687	44391
Preamp	Miteq	AM-3A-000110-7687	44394
Switch Driver	HP	11713A	ME7A-627

Test Equipment Used			
Description	Manufacturer	Model	Identifier
System Controller	Sunol Sciences	SC99V	44396
Camera Controller	Panasonic	WV-CU254	44395
RF Switch Box	UL	1	44398
Measurement Software	UL	Version 9.3	44740
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268
Multimeter	Fluke	87V	44547
Above 1GHz			
EMI Receiver	Rohde & Schwarz	ESIB40	34968
Horn Antenna	Electro-Metrics	RGA-180	ME5-565
Preamp (1 - 26GHz)	HP	8449B	ME5-914
Switch Driver	HP	11713A	ME7A-627
System Controller	Sunol Sciences	SC99V	44396
Camera Controller	Panasonic	WV-CU254	44395
RF Switch Box	UL	1	44398
Measurement Software	UL	Version 9.3	44740
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268
Multimeter	Fluke	87V	44547

Figure 23 Test setup for Radiated Emissions 9kHz-30MHz



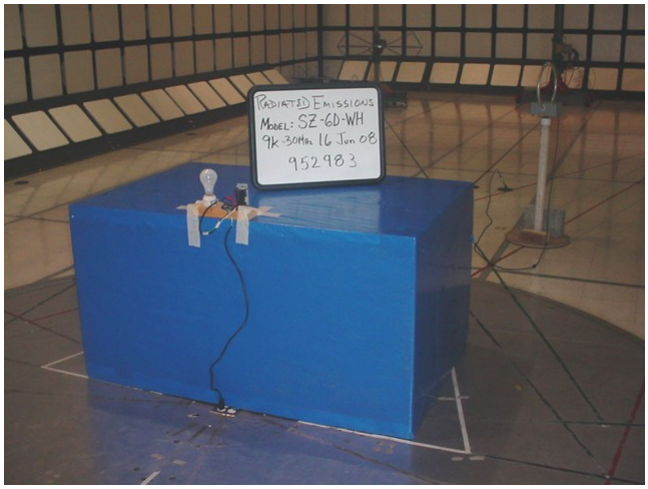
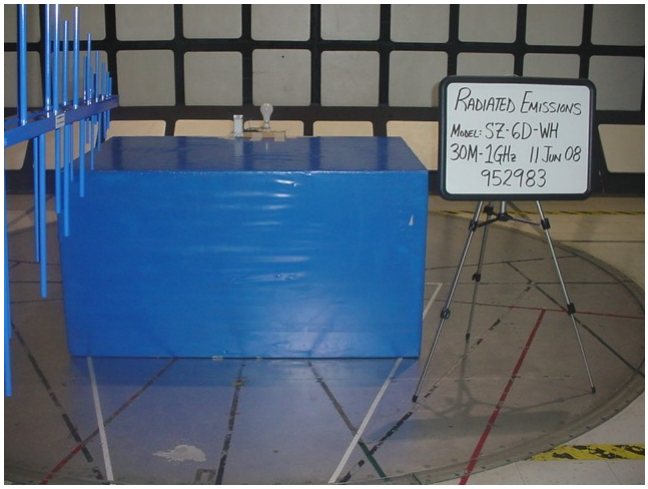


Figure 24 Test setup for Radiated Emissions 30MHz – 1000MHz



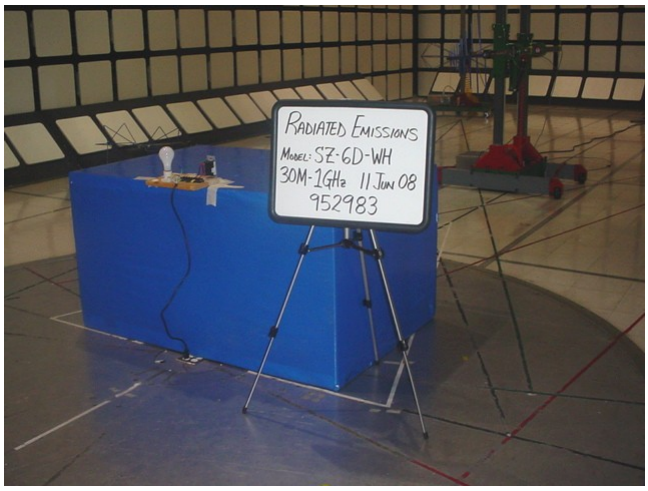
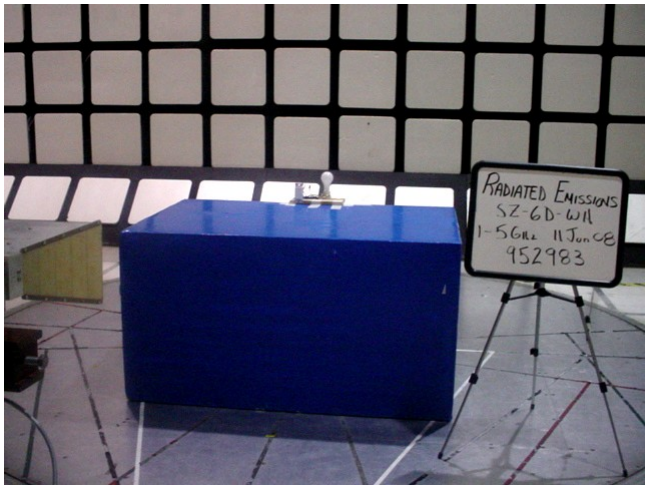


Figure 25 Test setup for Radiated Emissions 1GHz - 5GHz



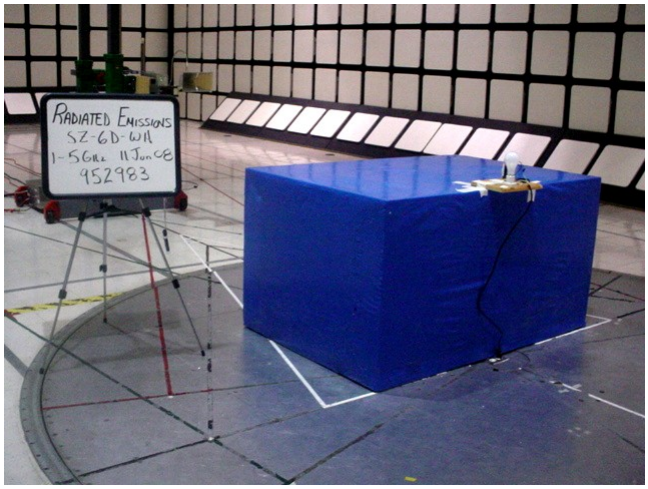
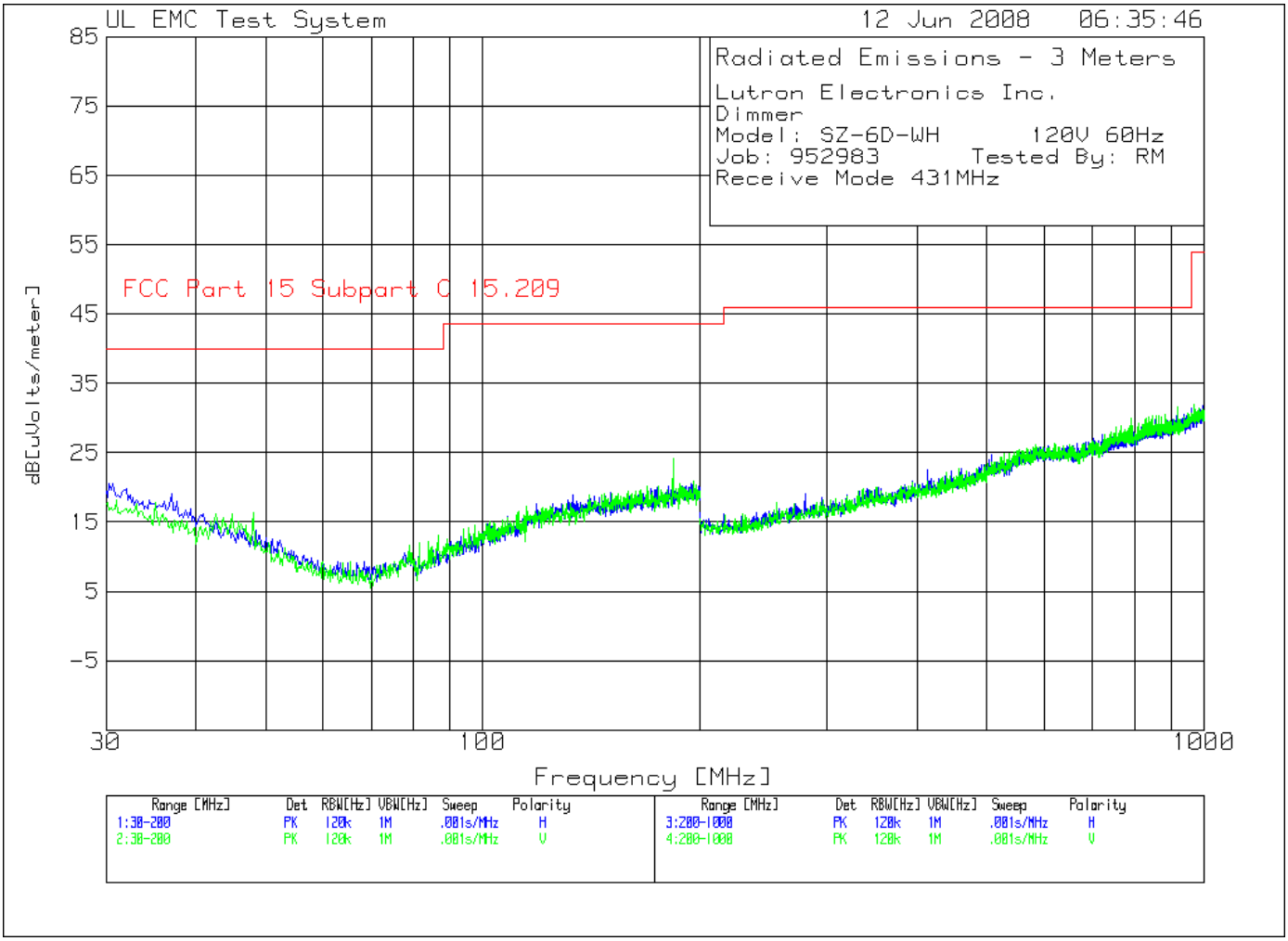


Figure 26 Radiated Emissions Graph



Note: limit shown is equivalent to FCC Part 15, Subpart B, Class B.

Table 17 Radiated Emissions Data Points

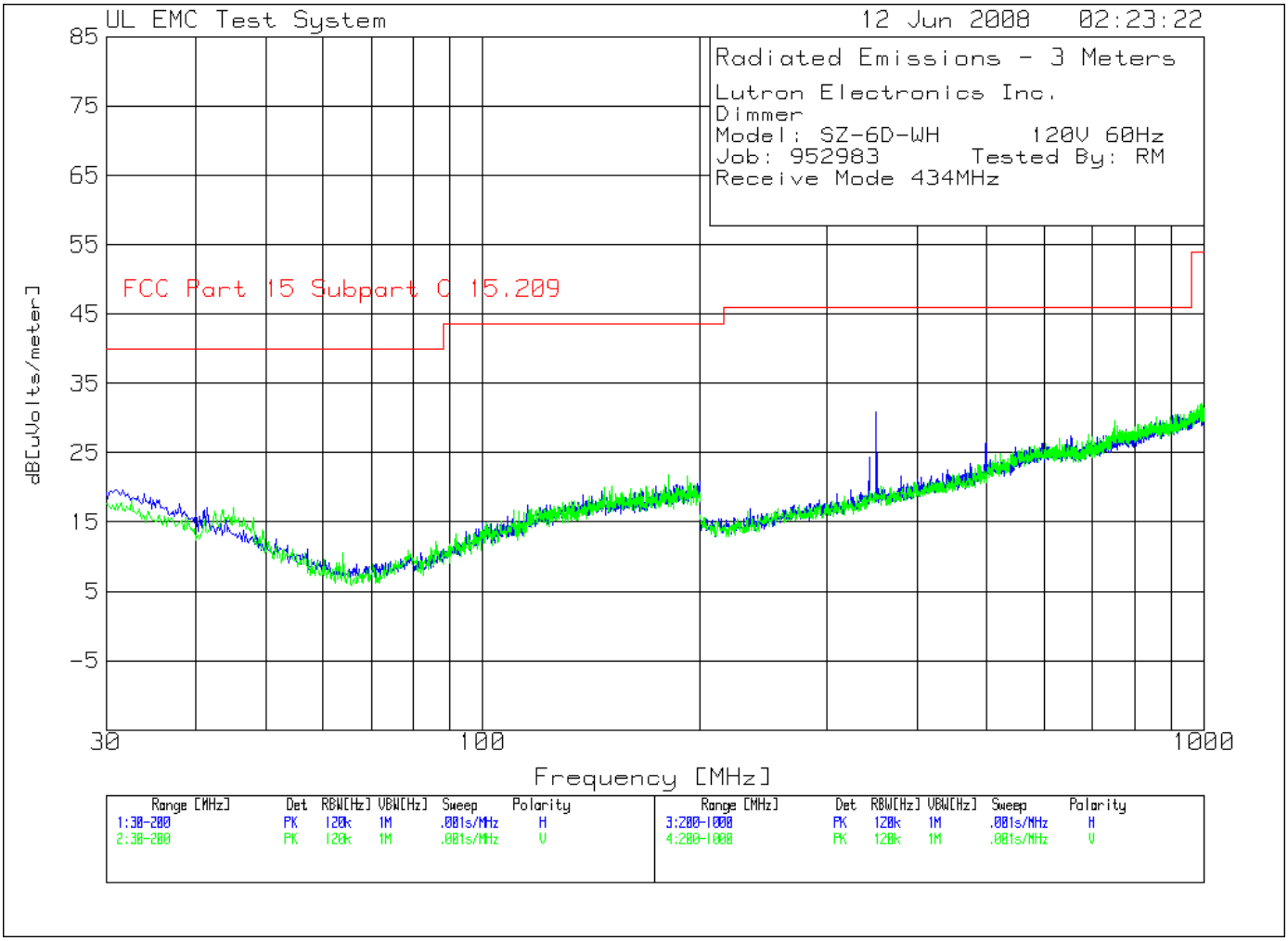
Lutron Electronics Inc.
Dimmer
Model: SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Receive Mode 431MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 30 - 200MHz											
1	36.977	3.26 pk	.4	15.4	19.06	40	-	-	-	-	-
	Azimuth:343	Height:100 Horz		Margin [dB]		-20.94	-	-	-	-	-
2	133.1231	4.24 pk	.7	14	18.94	43.5	-	-	-	-	-
	Azimuth:114	Height:400 Horz		Margin [dB]		-24.56	-	-	-	-	-
Vertical 30 - 200MHz											
3	48.038	5.83 pk	.4	10.1	16.33	40	-	-	-	-	-
	Azimuth:263	Height:100 Vert		Margin [dB]		-23.67	-	-	-	-	-
4	183.4935	7.21 pk	.8	16.1	24.11	43.5	-	-	-	-	-
	Azimuth:39	Height:100 Vert		Margin [dB]		-19.39	-	-	-	-	-
Horizontal 200 - 1000MHz											
5	279.6398	4.65 pk	1	13.4	19.05	46	-	-	-	-	-
	Azimuth:43	Height:200 Horz		Margin [dB]		-26.95	-	-	-	-	-
6	412.9065	4.63 pk	1.3	16.6	22.53	46	-	-	-	-	-
	Azimuth:172	Height:300 Horz		Margin [dB]		-23.47	-	-	-	-	-
Vertical 200 - 1000MHz											
7	582.5913	4.91 pk	1.6	19.7	26.21	46	-	-	-	-	-
	Azimuth:256	Height:100 Vert		Margin [dB]		-19.79	-	-	-	-	-
8	917.5588	6.47 pk	2	23.2	31.67	46	-	-	-	-	-
	Azimuth:43	Height:300 Vert		Margin [dB]		-14.33	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart B, Class B

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

Figure 27 Radiated Emissions Graph



Note: limit shown is equivalent to FCC Part 15, Subpart B, Class B.

Table 18 Radiated Emissions Data Points

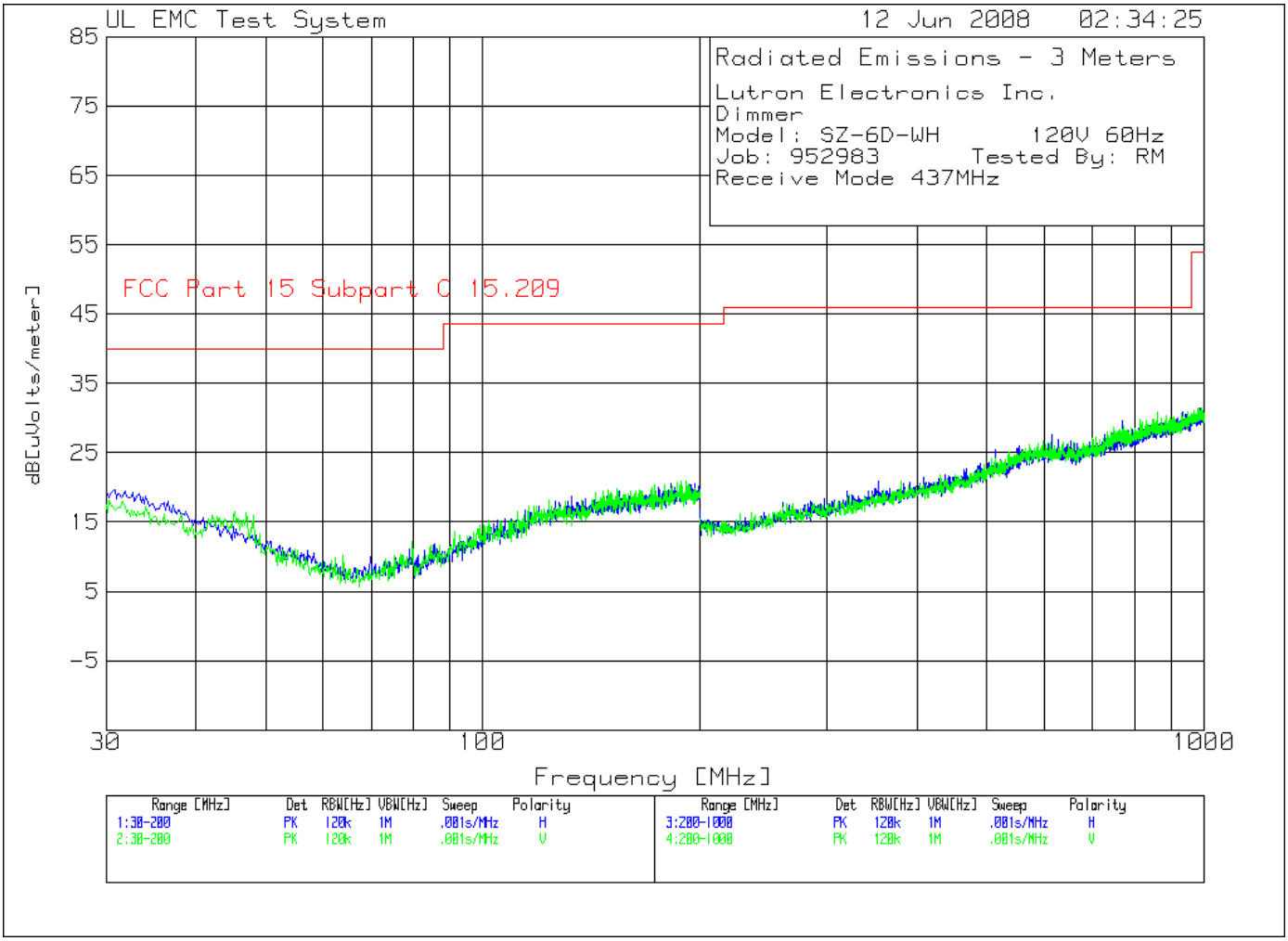
Lutron Electronics Inc.
Dimmer
Model: SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Receive Mode 434MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 30 - 200MHz											
1	34.5946	1.68 pk	.4	16.5	18.58	40	-	-	-	-	-
	Azimuth:246	Height:100 Horz		Margin [dB]		-21.42	-	-	-	-	-
2	137.5475	3.99 pk	.7	14.2	18.89	43.5	-	-	-	-	-
	Azimuth:321	Height:100 Horz		Margin [dB]		-24.61	-	-	-	-	-
Vertical 30 - 200MHz											
3	45.1451	5.76 pk	.4	11	17.16	40	-	-	-	-	-
	Azimuth:209	Height:100 Vert		Margin [dB]		-22.84	-	-	-	-	-
4	180.6006	5.07 pk	.8	16	21.87	43.5	-	-	-	-	-
	Azimuth:97	Height:100 Vert		Margin [dB]		-21.63	-	-	-	-	-
Horizontal 200 - 1000MHz											
5	343.2716	7.7 pk	1.2	15.4	24.3	46	-	-	-	-	-
	Azimuth:275	Height:200 Horz		Margin [dB]		-21.7	-	-	-	-	-
6	350.8754	14.1 pk	1.2	15.6	30.9	46	-	-	-	-	-
	Azimuth:17	Height:200 Horz		Margin [dB]		-15.1	-	-	-	-	-
7	497.7489	6.68 pk	1.4	18.2	26.28	46	-	-	-	-	-
	Azimuth:103	Height:200 Horz		Margin [dB]		-19.72	-	-	-	-	-
8	653.4267	5.56 pk	1.6	20.3	27.46	46	-	-	-	-	-
	Azimuth:214	Height:100 Horz		Margin [dB]		-18.54	-	-	-	-	-
Vertical 200 - 1000MHz											
9	750.2751	5.72 pk	1.7	22.1	29.52	46	-	-	-	-	-
	Azimuth:2	Height:200 Vert		Margin [dB]		-16.48	-	-	-	-	-
10	992.7964	5.53 pk	1.9	24.7	32.13	54	-	-	-	-	-
	Azimuth:317	Height:100 Vert		Margin [dB]		-21.87	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart B, Class B

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

Figure 28 Radiated Emissions Graph



Note: limit shown is equivalent to FCC Part 15, Subpart B, Class B.

Table 19 Radiated Emissions Data Points

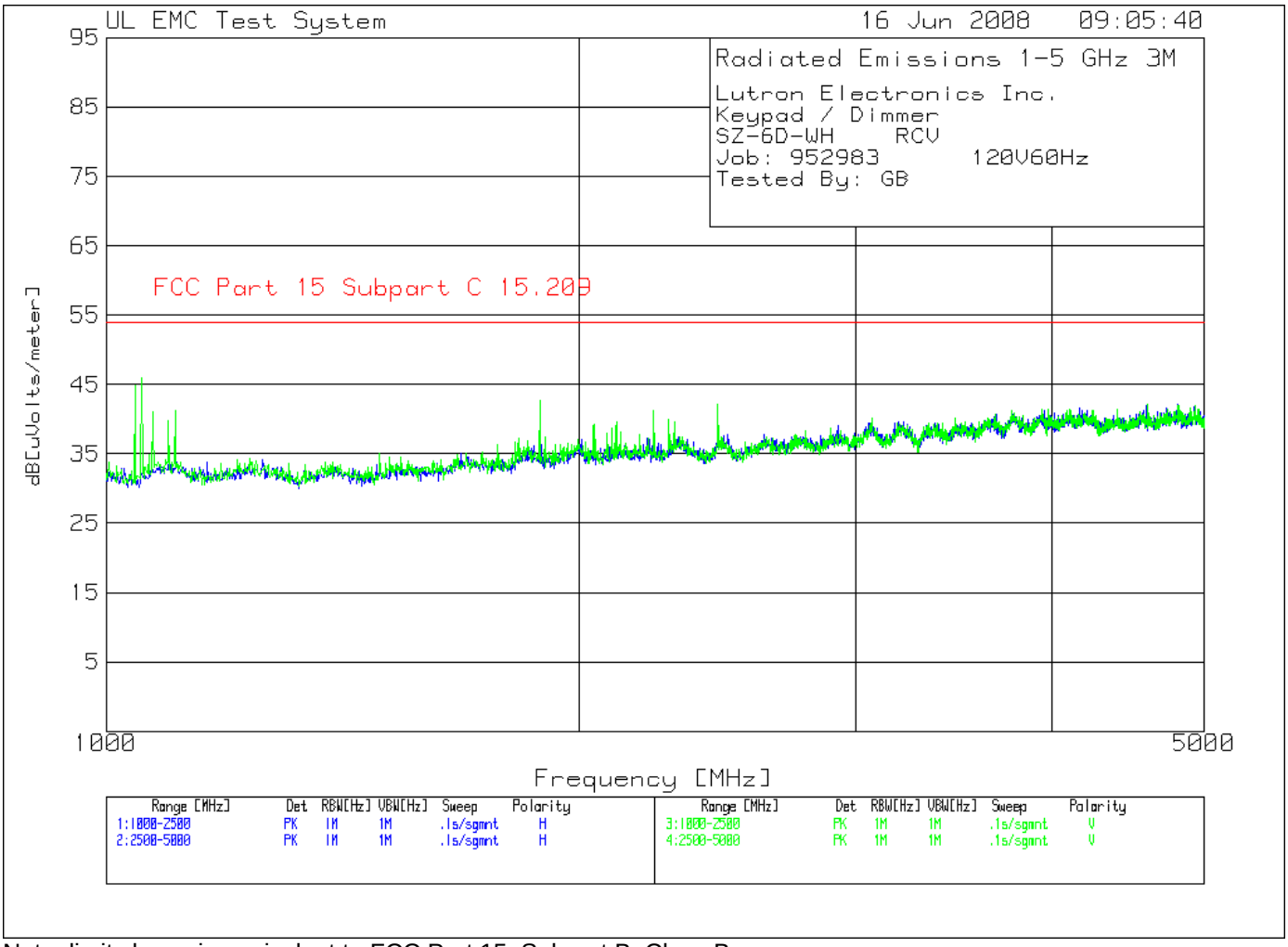
Lutron Electronics Inc.
Dimmer
Model: SZ-6D-WH 120V 60Hz
Job: 952983 Tested By: RM
Receive Mode 437MHz

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 30 - 200MHz											
1	33.4034	1.75 pk	.4	17	19.15	40	-	-	-	-	-
	Azimuth:209	Height:250 Horz		Margin [dB]		-20.85	-	-	-	-	-
2	132.6126	3.93 pk	.7	14	18.63	43.5	-	-	-	-	-
	Azimuth:209	Height:100 Horz		Margin [dB]		-24.87	-	-	-	-	-
Vertical 30 - 200MHz											
3	45.3153	5.09 pk	.4	11	16.49	40	-	-	-	-	-
	Azimuth:21	Height:100 Vert		Margin [dB]		-23.51	-	-	-	-	-
4	187.9179	3.74 pk	.9	16.3	20.94	43.5	-	-	-	-	-
	Azimuth:21	Height:100 Vert		Margin [dB]		-22.56	-	-	-	-	-
Horizontal 200 - 1000MHz											
5	353.6768	4.12 pk	1.2	15.5	20.82	46	-	-	-	-	-
	Azimuth:347	Height:200 Horz		Margin [dB]		-25.18	-	-	-	-	-
6	614.2071	6.04 pk	1.6	19.9	27.54	46	-	-	-	-	-
	Azimuth:2	Height:100 Horz		Margin [dB]		-18.46	-	-	-	-	-
Vertical 200 - 1000MHz											
7	571.3857	5.04 pk	1.6	19.6	26.24	46	-	-	-	-	-
	Azimuth:17	Height:300 Vert		Margin [dB]		-19.76	-	-	-	-	-
8	861.5308	5.93 pk	1.7	23.2	30.83	46	-	-	-	-	-
	Azimuth:150	Height:300 Vert		Margin [dB]		-15.17	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart B, Class B

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

Figure 29 Radiated Emissions Graph



Note: limit shown is equivalent to FCC Part 15, Subpart B, Class B.

Table 20 Radiated Emissions Data Points

Lutron Electronics Inc.
Keypad / Dimmer
SZ-6D-WH RCV
Job: 952983 120V60Hz
Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Vertical 1000 - 2500MHz											
1	1043.544	52.55 pk	-32.7	25	44.85	54	-	-	-	-	-
	Azimuth:227	Height:200 Vert		Margin [dB]		-9.15	-	-	-	-	-
2	1054.054	53.65 pk	-32.6	25	46.05	54	-	-	-	-	-
	Azimuth:227	Height:100 Vert		Margin [dB]		-7.95	-	-	-	-	-
3	1070.571	48.46 pk	-32.4	25	41.06	54	-	-	-	-	-
	Azimuth:338	Height:200 Vert		Margin [dB]		-12.94	-	-	-	-	-
4	1096.096	46.95 pk	-32.2	25	39.75	54	-	-	-	-	-
	Azimuth:171	Height:100 Vert		Margin [dB]		-14.25	-	-	-	-	-
5	1106.607	48.53 pk	-32.2	25	41.33	54	-	-	-	-	-
	Azimuth:86	Height:100 Vert		Margin [dB]		-12.67	-	-	-	-	-
6	1888.889	45.5 pk	-30	27.2	42.7	54	-	-	-	-	-
	Azimuth:115	Height:200 Vert		Margin [dB]		-11.3	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart B, Class B

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

Figure 30 Radiated Emissions Graph

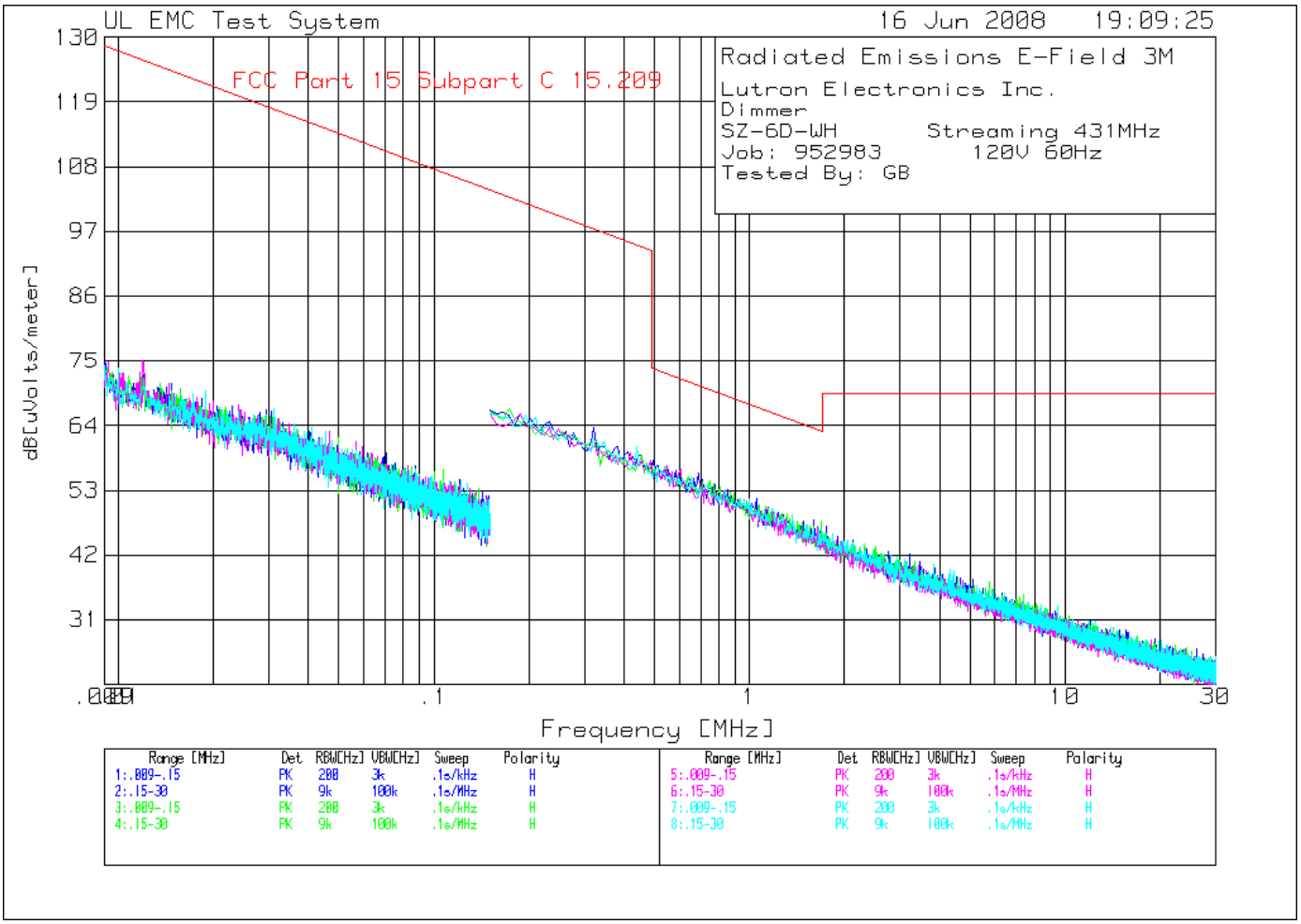


Table 21 Radiated Emissions Data Points

Lutron Electronics Inc.
Dimmer
SZ-6D-WH Streaming 431MHz
Job: 952983 120V 60Hz
Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
0° .009 - .15MHz											
1	.0147	44.68 pk	0	26.5	71.18	124.2	-	-	-	-	-
	Azimuth:1	Height:100 Horz		Margin [dB]		-53.02	-	-	-	-	-
2	.12122	38.97 pk	0	15.9	54.87	105.9	-	-	-	-	-
	Azimuth:59	Height:100 Horz		Margin [dB]		-51.03	-	-	-	-	-
0° .15 - 30MHz											
3	.68743	40.43 pk	0	15.5	55.93	70.9	-	-	-	-	-
	Azimuth:100	Height:100 Horz		Margin [dB]		-14.97	-	-	-	-	-
45° .009 - .15MHz											
4	.01571	44.32 pk	.1	25.9	70.32	123.7	-	-	-	-	-
	Azimuth:358	Height:120 Horz		Margin [dB]		-53.38	-	-	-	-	-
5	.10684	40.6 pk	0	16	56.6	107	-	-	-	-	-
	Azimuth:234	Height:120 Horz		Margin [dB]		-50.4	-	-	-	-	-
45° .15 - 30MHz											
6	.76954	38.73 pk	0	15.5	54.23	69.9	-	-	-	-	-
	Azimuth:176	Height:120 Horz		Margin [dB]		-15.67	-	-	-	-	-
90° .009 - .15MHz											
7	.01193	46.68 pk	.2	28.1	74.98	126.1	-	-	-	-	-
	Azimuth:8	Height:141 Horz		Margin [dB]		-51.12	-	-	-	-	-
8	.0468	44.43 pk	0	18.5	62.93	114.2	-	-	-	-	-
	Azimuth:7	Height:141 Horz		Margin [dB]		-51.27	-	-	-	-	-
90° .15 - 30MHz											
9	.60533	41.01 pk	0	15.5	56.51	72	-	-	-	-	-
	Azimuth:1	Height:141 Horz		Margin [dB]		-15.49	-	-	-	-	-
135° .009 - .15MHz											
10	.01887	45.91 pk	0	24	69.91	122.1	-	-	-	-	-
	Azimuth:58	Height:160 Horz		Margin [dB]		-52.19	-	-	-	-	-
11	.03123	45.49 pk	0	21.3	66.79	117.7	-	-	-	-	-
	Azimuth:6	Height:160 Horz		Margin [dB]		-50.91	-	-	-	-	-
135° .15 - 30MHz											
12	1.36669	33.31 pk	.1	15.5	48.91	64.9	-	-	-	-	-
	Azimuth:146	Height:160 Horz		Margin [dB]		-15.99	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

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

Figure 31 Radiated Emissions Graph

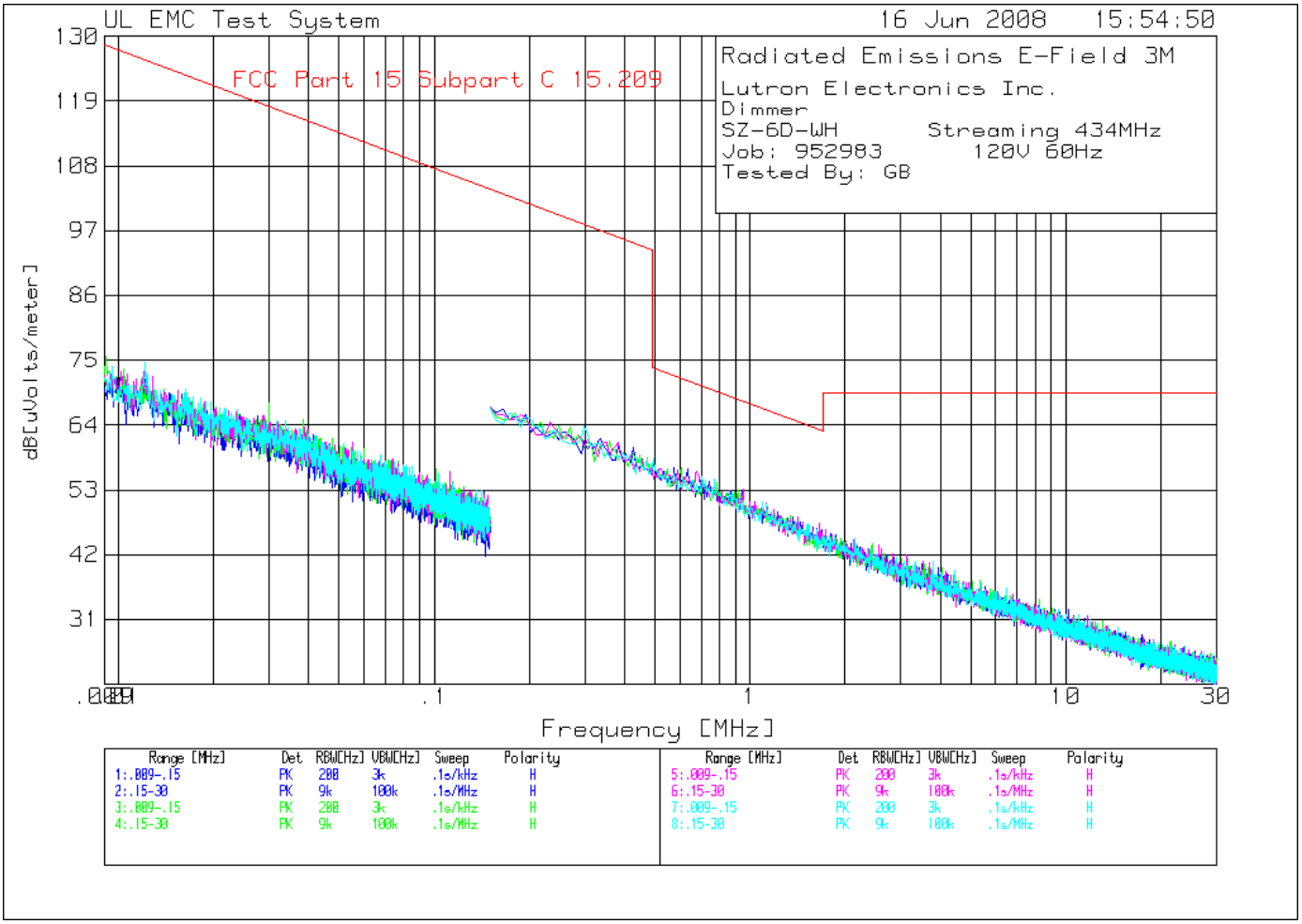


Table 22 Radiated Emissions Data Points

Lutron Electronics Inc.
Dimmer
SZ-6D-WH Streaming 434MHz
Job: 952983 120V 60Hz
Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
0° .009 - .15MHz											
1	.0121	43.78 pk	.1	28	71.88	125.9	-	-	-	-	-
	Azimuth:226	Height:100 Horz		Margin [dB]		-54.02	-	-	-	-	-
0° .15 - 30MHz											
2	.63518	40.97 pk	0	15.5	56.47	71.5	-	-	-	-	-
	Azimuth:353	Height:100 Horz		Margin [dB]		-15.03	-	-	-	-	-
3	10.22689	16.84 pk	.2	15.7	32.74	69.5	-	-	-	-	-
	Azimuth:6	Height:100 Horz		Margin [dB]		-36.76	-	-	-	-	-
45° .009 - .15MHz											
4	.01041	44.71 pk	-.2	29	73.51	127.2	-	-	-	-	-
	Azimuth:358	Height:121 Horz		Margin [dB]		-53.69	-	-	-	-	-
5	.02993	46.2 pk	0	21.5	67.7	118.1	-	-	-	-	-
	Azimuth:358	Height:121 Horz		Margin [dB]		-50.4	-	-	-	-	-
45° .15 - 30MHz											
6	.78447	38.69 pk	0	15.5	54.19	69.7	-	-	-	-	-
	Azimuth:114	Height:121 Horz		Margin [dB]		-15.51	-	-	-	-	-
90° .009 - .15MHz											
7	.01278	44.64 pk	0	27.6	72.24	125.5	-	-	-	-	-
	Azimuth:6	Height:141 Horz		Margin [dB]		-53.26	-	-	-	-	-
8	.11237	40.27 pk	0	15.9	56.17	106.6	-	-	-	-	-
	Azimuth:283	Height:141 Horz		Margin [dB]		-50.43	-	-	-	-	-
90° .15 - 30MHz											
9	.94869	37.71 pk	0	15.5	53.21	68.1	-	-	-	-	-
	Azimuth:100	Height:141 Horz		Margin [dB]		-14.89	-	-	-	-	-
135° .009 - .15MHz											
10	.01216	46.57 pk	.1	27.9	74.57	125.9	-	-	-	-	-
	Azimuth:358	Height:160 Horz		Margin [dB]		-51.33	-	-	-	-	-
11	.01634	44.5 pk	.1	25.5	70.1	123.3	-	-	-	-	-
	Azimuth:7	Height:160 Horz		Margin [dB]		-53.2	-	-	-	-	-
135° .15 - 30MHz											
12	1.09051	35.46 pk	0	15.5	50.96	66.9	-	-	-	-	-
	Azimuth:355	Height:160 Horz		Margin [dB]		-15.94	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

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

Figure 32 Radiated Emissions Graph

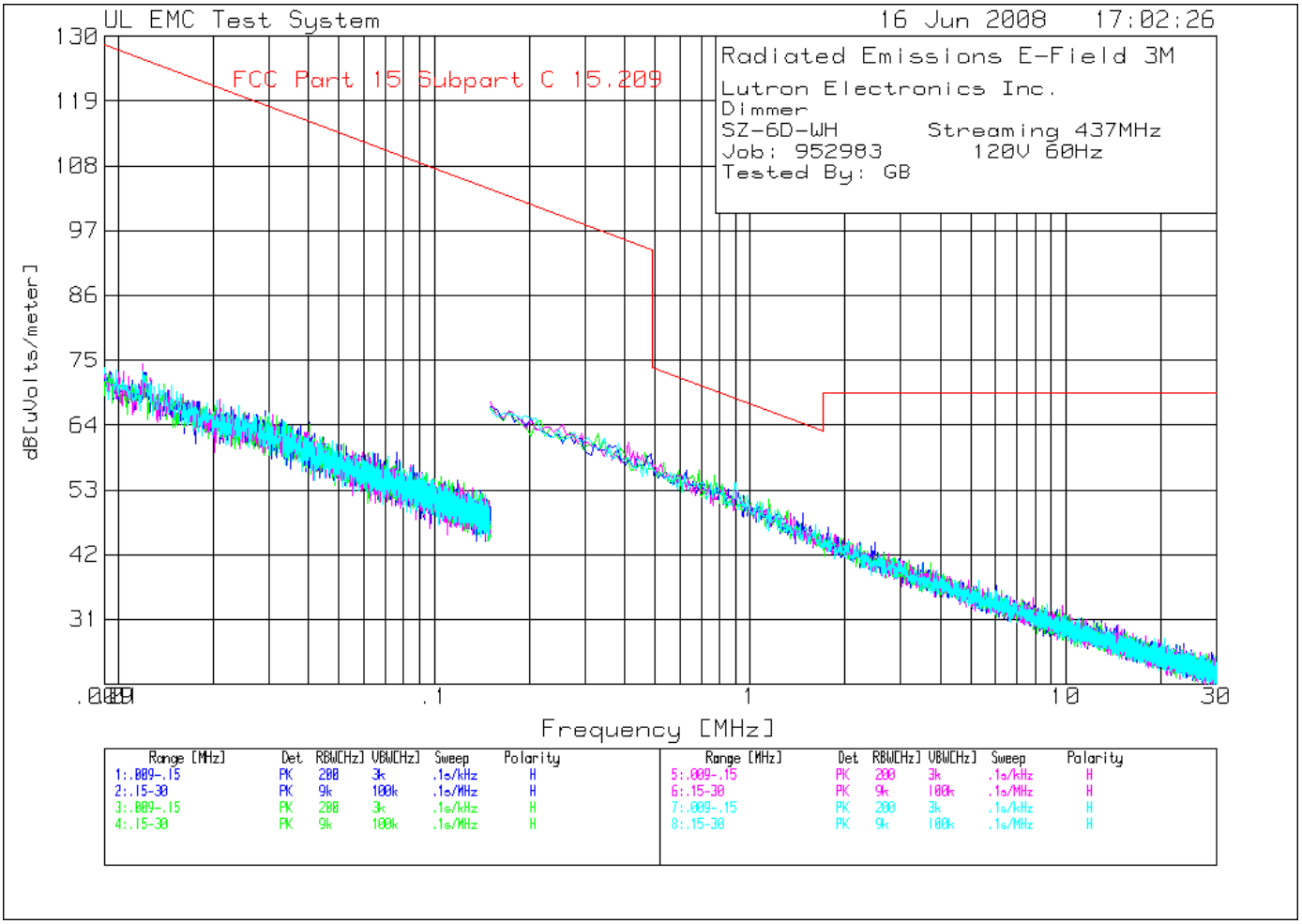


Table 23 Radiated Emissions Data Points

Lutron Electronics Inc.
Dimmer
SZ-6D-WH Streaming 437MHz
Job: 952983 120V 60Hz
Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
0° .009 - .15MHz											
1	.01216	44.96 pk	.1	27.9	72.96	125.9	-	-	-	-	-
	Azimuth:76	Height:100 Horz		Margin [dB]		-52.94	-	-	-	-	-
2	.07643	42.71 pk	0	16.6	59.31	109.9	-	-	-	-	-
	Azimuth:6	Height:100 Horz		Margin [dB]		-50.59	-	-	-	-	-
0° .15 - 30MHz											
3	1.46373	33.47 pk	.1	15.5	49.07	64.3	-	-	-	-	-
	Azimuth:354	Height:100 Horz		Margin [dB]		-15.23	-	-	-	-	-
45° .009 - .15MHz											
4	.01391	44.15 pk	0	26.9	71.05	124.7	-	-	-	-	-
	Azimuth:7	Height:121 Horz		Margin [dB]		-53.65	-	-	-	-	-
45° .15 - 30MHz											
5	.68743	40.83 pk	0	15.5	56.33	70.9	-	-	-	-	-
	Azimuth:145	Height:121 Horz		Margin [dB]		-14.57	-	-	-	-	-
90° .009 - .15MHz											
6	.02096	45.1 pk	.1	23.2	68.4	121.2	-	-	-	-	-
	Azimuth:353	Height:141 Horz		Margin [dB]		-52.8	-	-	-	-	-
90° .15 - 30MHz											
7	.2545	48.58 pk	0	15.6	64.18	99.5	-	-	-	-	-
	Azimuth:353	Height:141 Horz		Margin [dB]		-35.32	-	-	-	-	-
8	1.3443	33.32 pk	.1	15.5	48.92	65	-	-	-	-	-
	Azimuth:161	Height:141 Horz		Margin [dB]		-16.08	-	-	-	-	-
9	.41125	45.54 pk	0	15.5	61.04	95.3	-	-	-	-	-
	Azimuth:39	Height:141 Horz		Margin [dB]		-34.26	-	-	-	-	-
135° .009 - .15MHz											
10	.01476	44.24 pk	0	26.4	70.64	124.2	-	-	-	-	-
	Azimuth:358	Height:161 Horz		Margin [dB]		-53.56	-	-	-	-	-
11	.0639	42.22 pk	0	17.2	59.42	111.5	-	-	-	-	-
	Azimuth:76	Height:161 Horz		Margin [dB]		-52.08	-	-	-	-	-
135° .15 - 30MHz											
12	.89644	38.64 pk	0	15.5	54.14	68.6	-	-	-	-	-
	Azimuth:84	Height:161 Horz		Margin [dB]		-14.46	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

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

Figure 33 Radiated Emissions Graph

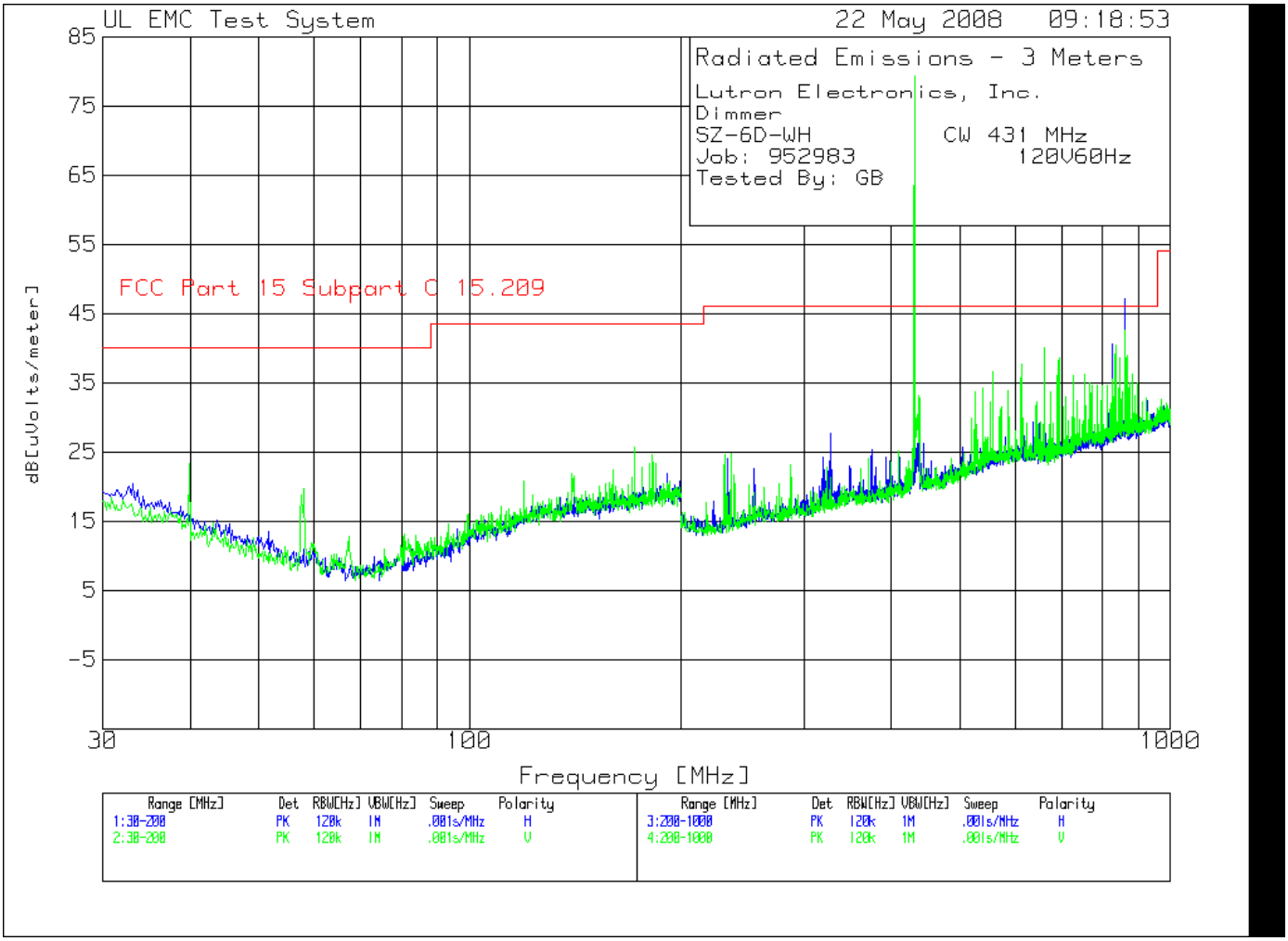


Table 24 Radiated Emissions Data Points

Lutron Electronics, Inc.
Dimmer
SZ-6D-WH CW 431 MHz
Job: 952983 120V60Hz
Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Vertical 30 - 200MHz											
1	58.0781	12.31 pk	.5	6.9	19.71	40	-	-	-	-	-
	Azimuth:61	Height:100 Vert		Margin [dB]		-20.29	-	-	-	-	-
2	171.7518	9.33 pk	.8	15.6	25.73	43.5	-	-	-	-	-
	Azimuth:358	Height:100 Vert		Margin [dB]		-17.77	-	-	-	-	-
Horizontal 200 - 1000MHz											
6	862.3312	22.57 pk	1.7	22.9	47.17	46	-	-	-	-	-
	Azimuth:275	Height:100 Horz		Margin [dB]		1.17	-	-	-	-	-
Vertical 200 - 1000MHz											
3	430.9155	61.79 pk	1.3	16.3	79.39	46	-	-	-	-	-
	Azimuth:18	Height:200 Vert		Margin [dB]		33.39	-	-	-	-	-
4	661.4307	18.24 pk	1.6	20.3	40.14	46	-	-	-	-	-
	Azimuth:2	Height:100 Vert		Margin [dB]		-5.86	-	-	-	-	-
5	861.931	17.74 pk	1.7	23.2	42.64	46	-	-	-	-	-
	Azimuth:191	Height:200 Vert		Margin [dB]		-3.36	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

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

Lutron Electronics, Inc.
Dimmer
SZ-6D-WH CW 431 MHz
Job: 952983 120V60Hz
Tested By: GB

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 200 - 1000MHz										
430.9931	56.61 pk	1.3	16.6	74.51*	-	80.7	-	-	-	-
Azimuth: 101	Height:252 Horz		Margin [dB]:	-6.29	-	-	-	-	-	
861.9854	17.7 pk	1.7	23.2	42.6	46	-	-	-	-	-
Azimuth: 248	Height:171 Vert		Margin [dB]:	-3.4	-	-	-	-	-	
Vertical 200 - 1000MHz										
430.9831	61.86 pk	1.3	16.3	79.46*	-	80.7	-	-	-	-
Azimuth: 341	Height:156 Vert		Margin [dB]:	-1.34	-	-	-	-	-	
661.7	17.3 qp	1.6	20.3	39.2	46	-	-	-	-	-
Azimuth: 16	Height:349 Vert		Margin [dB]:	-6.8	-	-	-	-	-	
861.9854	17.7 pk	1.7	23.2	42.6	46	-	-	-	-	-
Azimuth: 248	Height:171 Vert		Margin [dB]:	-3.4	-	-	-	-	-	

*Rounded Correction Factor applied.

LIMIT 1: FCC Part 15 Subpart C 15.209
LIMIT 2: FCC Part 15 Subpart C 15.231 Fundamental
LIMIT 3: FCC Part 15 Subpart C 15.231 Spurious

pk - Peak detector (maximized peak signal)
qp - Quasi-Peak detector
av - Average detector
avlg - Average log detector
ave - Average detector

Note: 861.9854MHz maximized peak is below the QP limit, no correction factor applied.

Figure 34 Radiated Emissions Graph

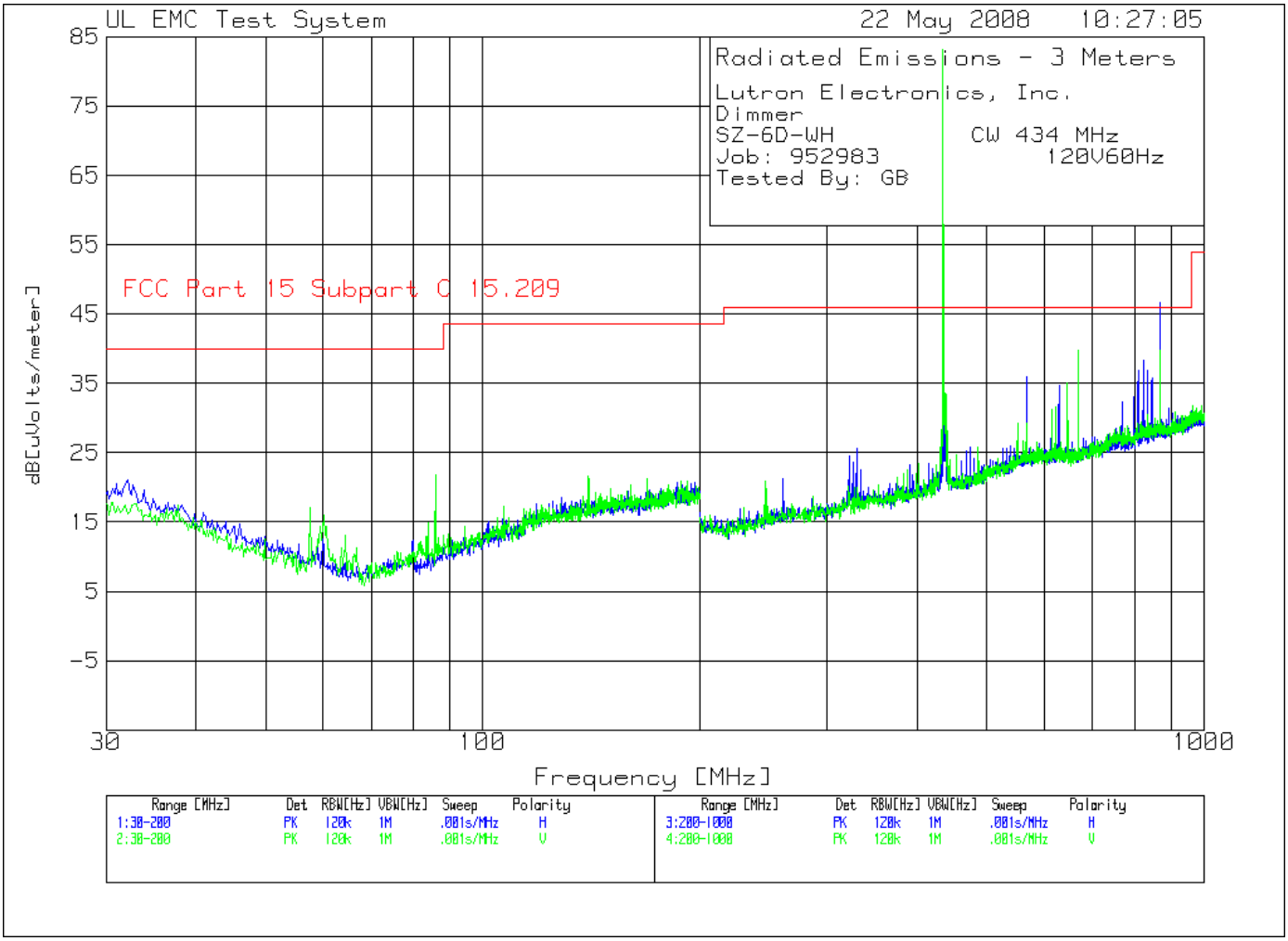


Table 25 Radiated Emissions Data Points

Lutron Electronics, Inc.
Dimmer
SZ-6D-WH CW 434 MHz
Job: 952983 120V60Hz
Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Vertical 30 - 200MHz											
1	85.986	11.81 pk	.6	9.4	21.81	40	-	-	-	-	-
	Azimuth:2	Height:100 Vert		Margin [dB]		-18.19	-	-	-	-	-
2	139.9299	6.26 pk	.7	14.6	21.56	43.5	-	-	-	-	-
	Azimuth:262	Height:100 Vert		Margin [dB]		-21.94	-	-	-	-	-
Horizontal 200 - 1000MHz											
4	433.7169	60 pk	1.3	16.7	78	46	-	-	-	-	-
	Azimuth:44	Height:200 Horz		Margin [dB]		32	-	-	-	-	-
6	867.934	22.13 pk	1.7	22.9	46.73	46	-	-	-	-	-
	Azimuth:264	Height:100 Horz		Margin [dB]		.73	-	-	-	-	-
Vertical 200 - 1000MHz											
3	433.7169	65.48 pk	1.3	16.4	83.18	46	-	-	-	-	-
	Azimuth:2	Height:200 Vert		Margin [dB]		37.18	-	-	-	-	-
5	867.934	14.93 pk	1.7	23.2	39.83	46	-	-	-	-	-
	Azimuth:169	Height:300 Vert		Margin [dB]		-6.17	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

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

Lutron Electronics, Inc.
Dimmer
SZ-6D-WH CW 434 MHz
Job: 952983 120V60Hz
Tested By: GB

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 200 - 1000MHz										
433.9882	58.69 pk	1.3	16.8	76.79*	-	80.8	-	-	-	-
Azimuth: 107	Height:214 Horz		Margin [dB]:	-4.01	-	-	-	-	-	
867.9768	22.17 pk	1.7	22.9	46.77	-	-	60.8	-	-	-
Azimuth: 244	Height:192 Horz		Margin [dB]:	-14.03	-	-	-	-	-	
Vertical 200 - 1000MHz										
433.9868	67.31 pk	1.3	16.4	65.01*	-	80.8	-	-	-	-
Azimuth: 344	Height:146 Vert		Margin [dB]:	-15.79	-	-	-	-	-	
867.9803	19.52 pk	1.7	23.2	44.42*	-	-	60.8	-	-	-
Azimuth: 288	Height:160 Vert		Margin [dB]:	-16.38	-	-	-	-	-	

*Rounded Correction Factor applied.

LIMIT 1: FCC Part 15 Subpart C 15.209
LIMIT 2: FCC Part 15 Subpart C 15.231 Fundamental
LIMIT 3: FCC Part 15 Subpart C 15.231 Spurious

pk - Peak detector (maximized peak signal)
qp - Quasi-Peak detector
av - Average detector
avlg - Average log detector
ave - Average detector

Figure 35 Radiated Emissions Graph

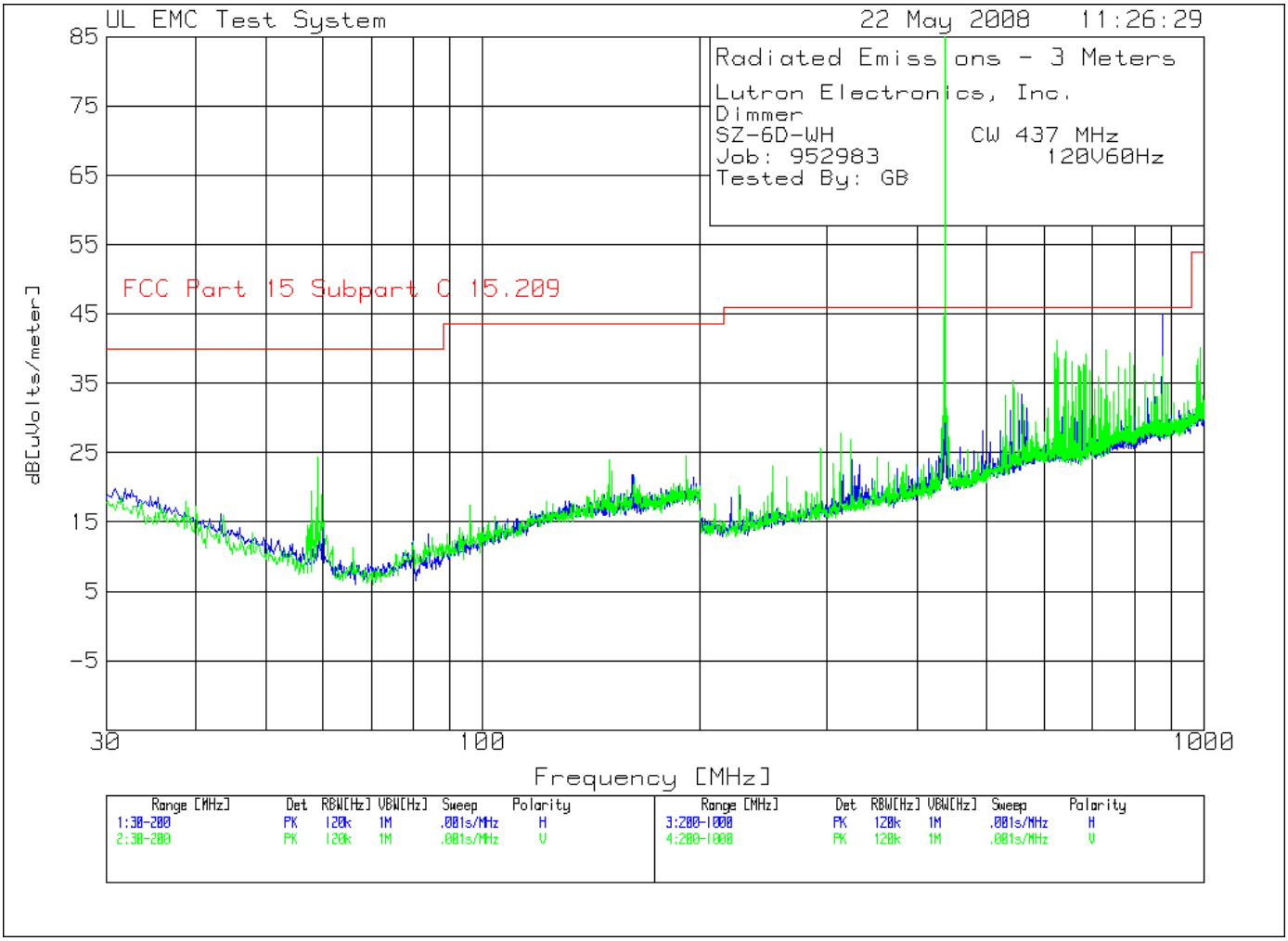


Table 26 Radiated Emissions Data Points

Lutron Electronics, Inc.
Dimmer
SZ-6D-WH CW 437 MHz
Job: 952983 120V60Hz
Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Vertical 30 - 200MHz											
1	58.9289	17.22 pk	.5	6.7	24.42	40	-	-	-	-	-
	Azimuth:284	Height:100 Vert		Margin [dB]		-15.58	-	-	-	-	-
2	191.3213	7.39 pk	.9	16.3	24.59	43.5	-	-	-	-	-
	Azimuth:61	Height:100 Vert		Margin [dB]		-18.91	-	-	-	-	-
Horizontal 200 - 1000MHz											
3	436.9185	63.66 pk	1.3	16.9	81.86	46	-	-	-	-	-
	Azimuth:103	Height:200 Horz		Margin [dB]		35.86	-	-	-	-	-
4	874.3372	20.37 pk	1.7	23	45.07	46	-	-	-	-	-
	Azimuth:275	Height:100 Horz		Margin [dB]		-.93	-	-	-	-	-
Vertical 200 - 1000MHz											
5	436.9185	70.26 pk	1.3	16.4	87.96	46	-	-	-	-	-
	Azimuth:20	Height:100 Vert		Margin [dB]		41.96	-	-	-	-	-
6	873.937	13.88 pk	1.7	23.2	38.78	46	-	-	-	-	-
	Azimuth:192	Height:300 Vert		Margin [dB]		-7.22	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

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

Lutron Electronics, Inc.
Dimmer
SZ-6D-WH CW 437 MHz
Job: 952983 120V60Hz
Tested By: GB

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 200 - 1000MHz										
436.9837	60.79 pk	1.3	16.9	78.99*	-	80.9	-	-	-	-
Azimuth: 74	Height:187 Horz		Margin [dB]:	-1.91	-	-	-	-	-	
873.9856	20.64 pk	1.7	23	45.34*	-	-	60.9	-	-	-
Azimuth: 259	Height:200 Horz		Margin [dB]:	-15.56	-	-	-	-	-	
Vertical 200 - 1000MHz										
436.985	71.95 pk	1.3	16.4	69.65*	-	80.9	-	-	-	-
Azimuth: 345	Height:144 Vert		Margin [dB]:	-11.35	-	-	-	-	-	
873.9837	19.14 pk	1.7	23.2	44.04*	-	-	60.9	-	-	-
Azimuth: 285	Height:150 Vert		Margin [dB]:	-16.86	-	-	-	-	-	

*Rounded Correction Factor applied.

LIMIT 1: FCC Part 15 Subpart C 15.209
LIMIT 2: FCC Part 15 Subpart C 15.231 Fundamental
LIMIT 3: FCC Part 15 Subpart C 15.231 Spurious

pk - Peak detector (maximized peak signal)
qp - Quasi-Peak detector
av - Average detector
avlg - Average log detector
ave - Average detector

Figure 36 Radiated Emissions Graph

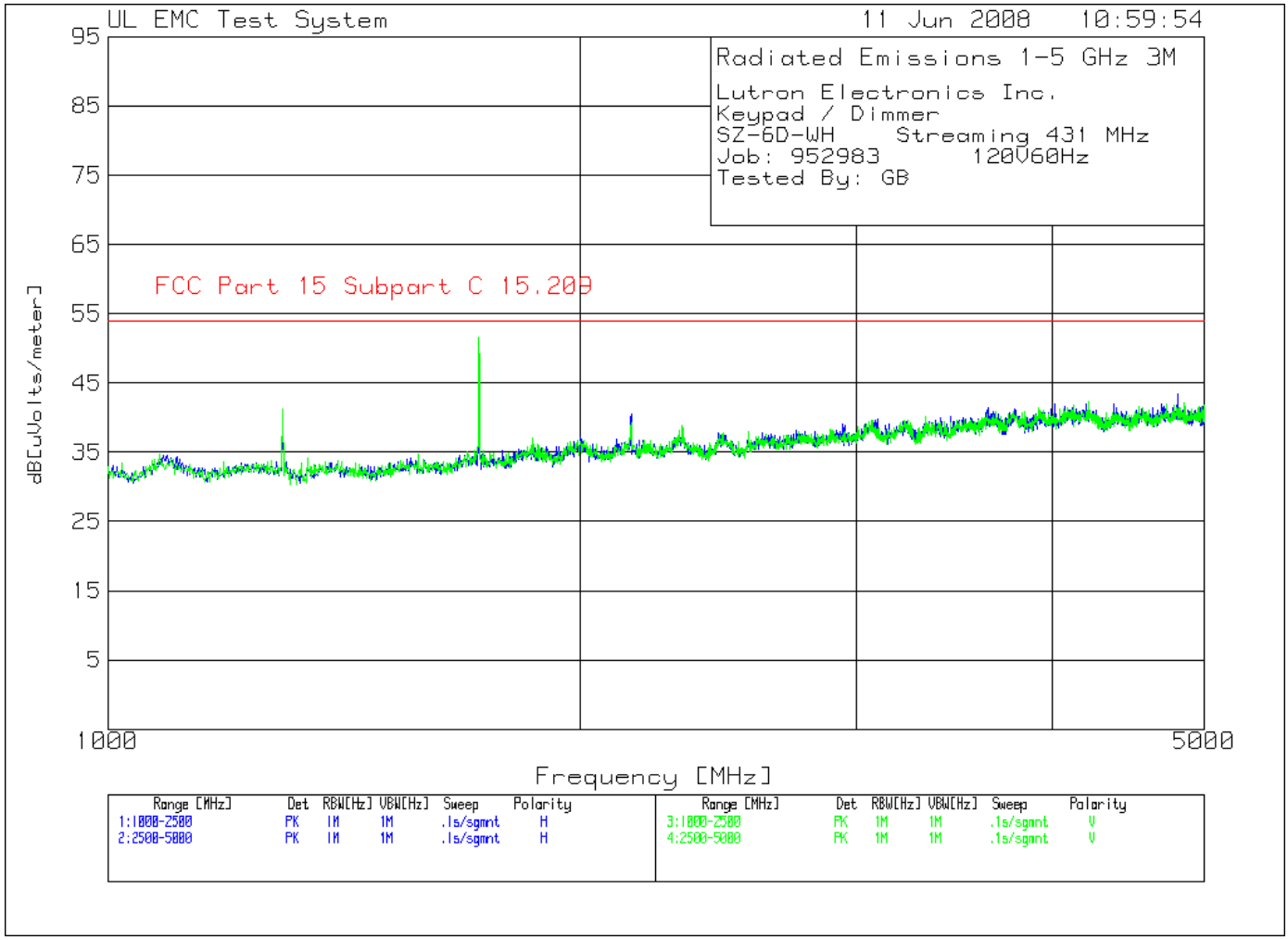


Table 27 Radiated Emissions Data Points

Lutron Electronics Inc.
Keypad / Dimmer
SZ-6D-WH Streaming 431 MHz
Job: 952983 120V60Hz
Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 1000 - 2500MHz											
1	1292.793	45.84 pk	-31.7	25.1	39.24	54	-	-	-	-	-
	Azimuth:354	Height:200 Horz		Margin [dB]		-14.76	-	-	-	-	-
2	1723.724	49.2 pk	-30.4	26.3	45.1	54	-	-	-	-	-
	Azimuth:332	Height:200 Horz		Margin [dB]		-8.9	-	-	-	-	-
3	2156.156	41.99 pk	-29.6	28.1	40.49	54	-	-	-	-	-
	Azimuth:193	Height:200 Horz		Margin [dB]		-13.51	-	-	-	-	-
Vertical 1000 - 2500MHz											
4	1292.793	47.78 pk	-31.7	25.1	41.18	54	-	-	-	-	-
	Azimuth:331	Height:100 Vert		Margin [dB]		-12.82	-	-	-	-	-
5	1723.724	55.73 pk	-30.4	26.3	51.63	54	-	-	-	-	-
	Azimuth:331	Height:100 Vert		Margin [dB]		-2.37	-	-	-	-	-
6	2156.156	40.87 pk	-29.6	28	39.27	54	-	-	-	-	-
	Azimuth:164	Height:100 Vert		Margin [dB]		-14.73	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

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

Frequency [MHz]	Test Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Vertical 1000 - 2500MHz										
1723.7	60.52 pk	-30.4	26.3	36.42*	54	-	-	-	-	-
Azimuth: 189	Height:100 Vert		Margin [dB]:		2.42	-	-	-	-	-

*Rounded Correction Factor applied.

LIMIT 1: FCC Part 15 Subpart C 15.209

pk - Peak detector (maximized peak signal)
qp - Quasi-Peak detector
av - Average detector
avlg - Average log detector
ave - Average detector

Figure 37 Radiated Emissions Graph

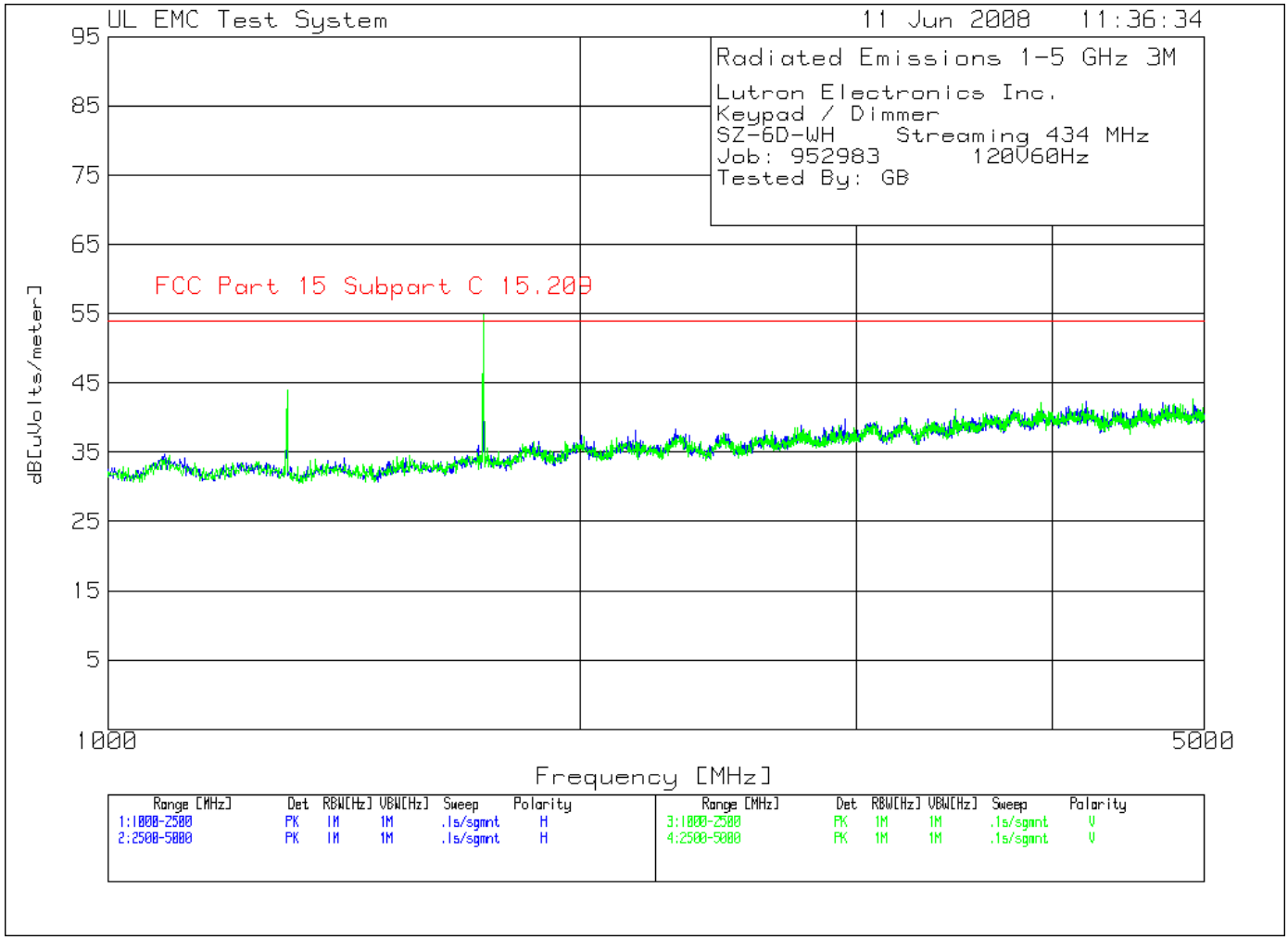


Table 28 Radiated Emissions Data Points

Lutron Electronics Inc.
Keypad / Dimmer
SZ-6D-WH Streaming 434 MHz
Job: 952983 120V60Hz
Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 1000 - 2500MHz											
1	1301.802	45.99 pk	-31.6	25.1	39.49	54	-	-	-	-	-
	Azimuth:222	Height:100 Horz		Margin [dB]		-14.51	-	-	-	-	-
2	1735.736	48.14 pk	-30.5	26.3	43.94	54	-	-	-	-	-
	Azimuth:222	Height:200 Horz		Margin [dB]		-10.06	-	-	-	-	-
Horizontal 2500 - 5000MHz											
6	4206.137	35.13 pk	-25.2	32.4	42.33	54	-	-	-	-	-
	Azimuth:84	Height:200 Horz		Margin [dB]		-11.67	-	-	-	-	-
Vertical 1000 - 2500MHz											
3	1301.802	50.43 pk	-31.6	25.1	43.93	54	-	-	-	-	-
	Azimuth:139	Height:200 Vert		Margin [dB]		-10.07	-	-	-	-	-
4	1735.736	58.95 pk	-30.5	26.4	54.85	54	-	-	-	-	-
	Azimuth:139	Height:100 Vert		Margin [dB]		.85	-	-	-	-	-
Vertical 2500 - 5000MHz											
5	3935.957	35.71 pk	-25.8	32.3	42.21	54	-	-	-	-	-
	Azimuth:358	Height:100 Vert		Margin [dB]		-11.79	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

Frequency [MHz]	Test	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Vertical 1000 - 2500MHz											
1735.7		55.07 pk	-30.5	26.4	30.97*	54	-	-	-	-	-
Azimuth: 252		Height:169 Vert		Margin [dB]:		-3.03	-	-	-	-	-

*Rounded Correction Factor applied.

LIMIT 1: FCC Part 15 Subpart C 15.209

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

Figure 38 Radiated Emissions Graph

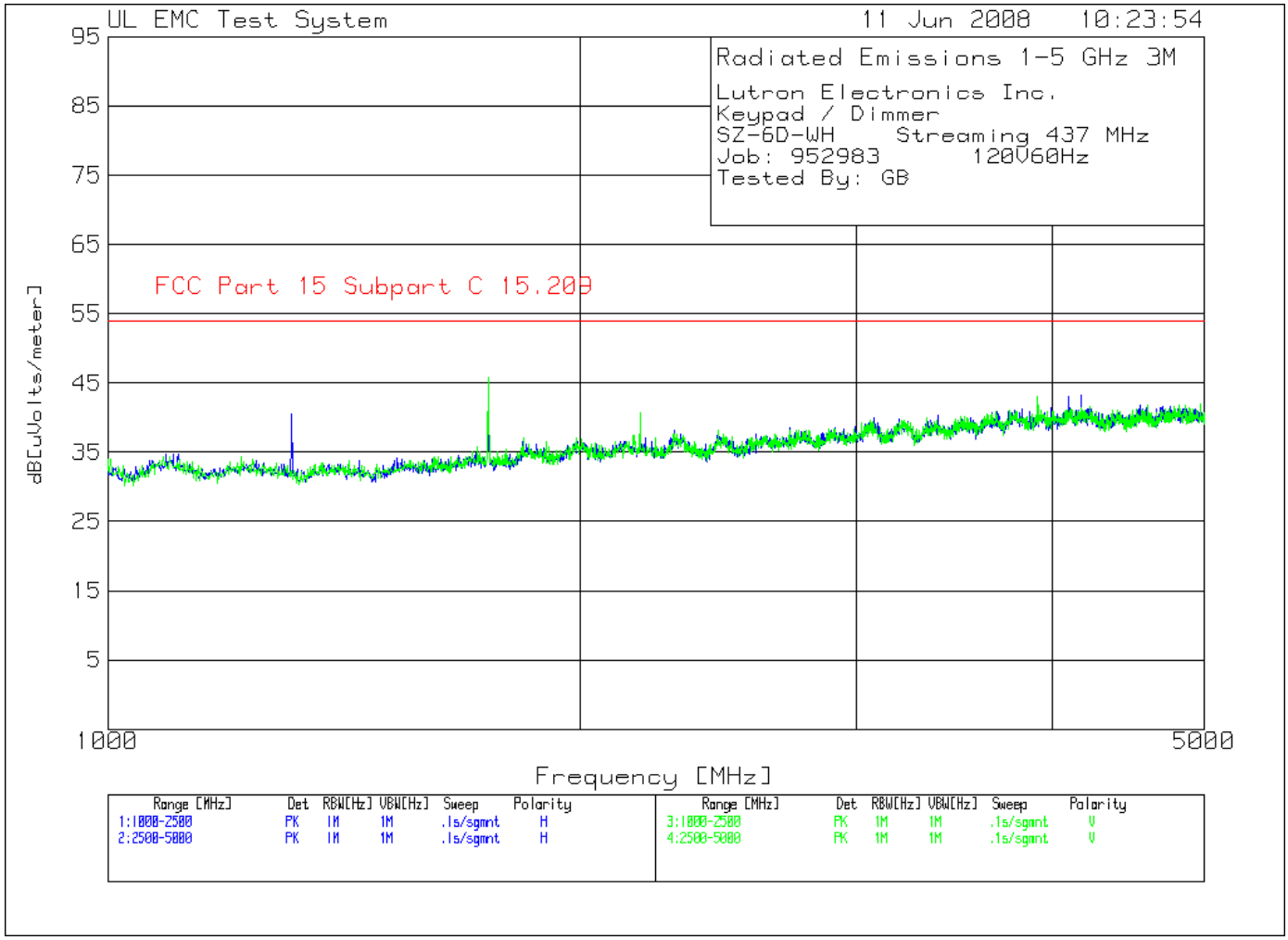


Table 29 Radiated Emissions Data Points

Lutron Electronics Inc.
Keypad / Dimmer
SZ-6D-WH Streaming 437 MHz
Job: 952983 120V60Hz
Tested By: GB

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
Horizontal 1000 - 2500MHz											
1	1310.811	46.99 pk	-31.6	25.1	40.49	54	-	-	-	-	-
	Azimuth:55	Height:100 Horz		Margin [dB]		-13.51	-	-	-	-	-
3	1747.748	45.34 pk	-30.5	26.4	41.24	54	-	-	-	-	-
	Azimuth:110	Height:199 Horz		Margin [dB]		-12.76	-	-	-	-	-
Horizontal 2500 - 5000MHz											
6	4171.114	35.78 pk	-24.9	32.4	43.28	54	-	-	-	-	-
	Azimuth:354	Height:100 Horz		Margin [dB]		-10.72	-	-	-	-	-
Vertical 1000 - 2500MHz											
2	1747.748	49.83 pk	-30.5	26.4	45.73	54	-	-	-	-	-
	Azimuth:81	Height:100 Vert		Margin [dB]		-8.27	-	-	-	-	-
4	2186.186	42.04 pk	-29.4	28.1	40.74	54	-	-	-	-	-
	Azimuth:303	Height:100 Vert		Margin [dB]		-13.26	-	-	-	-	-
Vertical 2500 - 5000MHz											
5	3914.276	36.53 pk	-25.8	32.3	43.03	54	-	-	-	-	-
	Azimuth:223	Height:199 Vert		Margin [dB]		-10.97	-	-	-	-	-

LIMIT 1: FCC Part 15 Subpart C 15.209

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

5.0 Fundamental Frequency and Spurious Emissions Measurement Limit Calculations

Limit Calculation
Limit in uV/m at 3 meters = 41.6667(F) - 7083.3333
F is the fundamental frequency in MHz

Fundamental Frequency is 431MHz
Limit = 41.6667(431)-7083.3333
Limit = 10875.0144

Limit In dBuV/m = 20log(limit in uV)
Limit in dBuV/m = 20log(10875.0144)
Limit in dBuV/m = 80.7

From table in section 15.231
Limit for Spurious Emissions = 20dB lower then fundamental

Fundamental Frequency is 431MHz
Limit = Fundemental Limit – 20dB
Limit = 80.7dBuV/m – 20dB
Limit = 60.7dBuV/m

Radiated Emissions Limit conversion from μV/m to dBμV/m (accordance with paragraph 15.109)

Radiated Emissions Limit (dBμV/m) = 20*log (μV/m)
Radiated Emissions Limit (dBμV/m) = 20 * log (90)
Radiated Emissions Limit (dBμV/m) = 39.1

Radiated Emissions test data obtained during measurements.

Field Strength (dBμV/m) = Measured field strength (dBμV) + Antenna Factor (dB/m) + Cable Factor (dB)
Field Strength (dBμV/m) = 16.13dBμV + 16.4dB/m + 1.3dB
Field Strength (dBμV/m) = 33.84

Duty Cycle Correction Factor Calculation

Duty Cycle Correction factor = 20log (Total on time) / (Total Transmission Time)
Duty Cycle Correction factor = 20log (4.81mS) / (75.15mS)
Duty Cycle Correction factor = -23.88

Appendix A

Accreditations and Authorizations

NVLAP Lab code: 100255-0

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

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

Industry Canada Industrie Canada

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

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

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

NIST/CAB: Validated by the European Commission as a U.S. Conformity Assessment Body (CAB) of the U.S.-EU Mutual Recognition Agreement (MRA) for the Electromagnetic Compatibility - Council Directive 89/336/EEC, Article 10 (2). Also validated for the Telecommunication Equipment-Council Directive 99/5/EC, Annex III and IV, Identification Number: 0983.
NIST/CAB: Provisioned to act as a U.S. Conformity Assessment Body (CAB) under Appendix B, Phase I Procedures, of the Asia Pacific Economic Cooperation (APEC) MRA between the American Institute in Taiwan (AIT) and the United States. Our laboratory is considered qualified to test equipment subject to the applicable EMC regulations of the Chinese Taipei Bureau of Standards, Metrology and Inspection (BSMI) which require testing to CNS 13438 (CISPR 22).
NIST/CAB: Recognized by the Infocomm Development Authority of Singapore (IDA) under the Asia Pacific Economic Cooperation Mutual Recognition Agreement (APEC MRA). Our laboratory is provisionally designated to act as a Conformity Assessment Body (CAB) under Appendix B, Phase I Procedures, of the APEC MRA. Our scope of designation includes IDA TS EMC (CISPR 22), IEC 61000-4-2, -4-3, -4-4, -4-5, and -4-6