



**FCC CFR47 PART 15 SUBPART C
INDUSTRY CANADA RSS-210 ISSUE 8**

CERTIFICATION TEST REPORT

FOR

WALL MOUNT SENSOR

MODEL NUMBER: LRF2-OHLB-P

**FCC ID: JPZ0086
IC: 2851A-JPZ0086**

REPORT NUMBER: 1001418578

ISSUE DATE:2011-09-29

Prepared for
**LUTRON ELECTRONICS INC
7200 SUTTER ROAD
COOPERBURG
PA 18036, USA**

Prepared by
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NVLAP LAB CODE 100255-0

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: LUTRON ELECTRONICS INC
7200 SUTTER ROAD
COOPERBURG, PA 18036, USA

EUT DESCRIPTION: Wall Mount Sensor

MODEL: LRF2-OHLB-P

SERIAL NUMBER: Non-serialized production unit

DATE TESTED: 2011-09-15 to 2011-09-20

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 15 SUBPART C	Pass
INDUSTRY CANADA RSS-210 Issue 8, Annex 1	Pass
INDUSTRY CANADA RSS-GEN Issue 3	Pass

Underwriters Laboratories Inc. tested the above equipment in accordance with the requirements set forth in the above standards, using test results reported in the test report documents referenced below and/or documentation furnished by the applicant. All indications of Pass/Fail in this report are opinions expressed by Underwriters Laboratories Inc. based on interpretations of these calculations. The results show that the equipment is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation, as described by the referenced documents. This document may not be altered or revised in any way unless done so by Underwriters Laboratories Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Underwriters Laboratories Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For UL By:

Tested By:



Joseph Danisi
Lead Engineering Associate
UL

Bob DeLisi
Sr. Staff Engineer
UL

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4:2003, FCC CFR 47 Part 2, FCC CFR 47 Part 15, RSS-GEN Issue 3, and RSS-210 Issue 8.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 1285 Walt Whitman Rd. Melville, NY 11747, USA.

UL Melville is accredited by NVLAP, Laboratory Code 100255-0. The full scope of accreditation can be viewed at <http://ts.nist.gov/standards/scopes/1002550.htm>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	± 3.3 dB
Radiated Disturbance, 30 to 1000 MHz	± 4.00 dB

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a wall-mount sensor intended for lighting applications.

The following models are also covered by the testing under this investigation:

LRF2-OHLB-P	LRF2-OKLB-P	LRF2-OWLB-P	LRF2-VHLB-P
LRF2-VKLB-P	LRF2-VWLB-P		

For Canada the model numbers above are followed by the suffix -U

5.2. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an internal integral antenna.

5.3. SOFTWARE AND FIRMWARE

The test utility software used during testing was developed and supplied by Lutron Electronics Inc.

5.4. WORST-CASE CONFIGURATION AND MODE

Radiated emissions testing was conducted at the low and high channels. All other tests were tested at the mid channel.

5.5. MODIFICATIONS

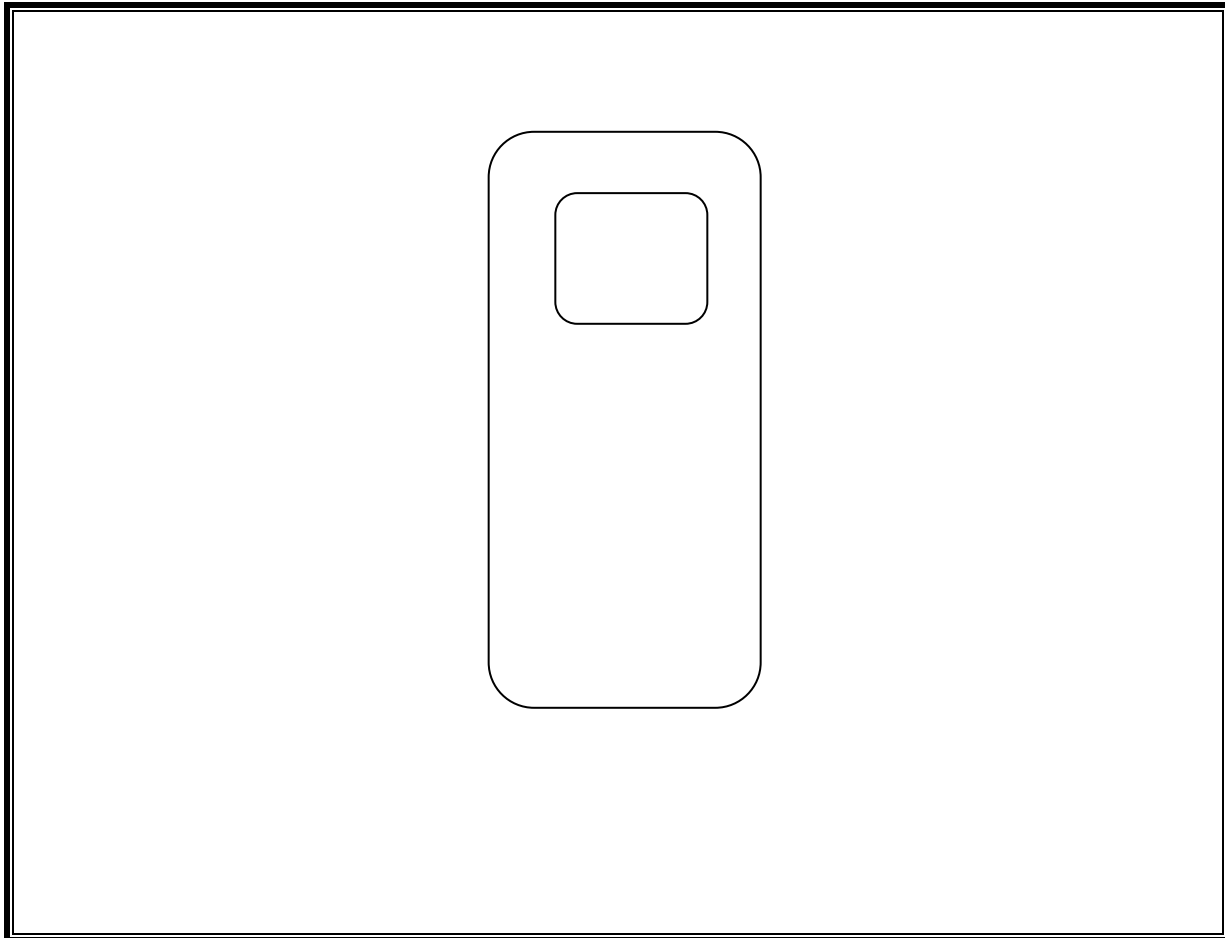
No modifications were made during testing.

5.6. DESCRIPTION OF TEST SETUP

TEST SETUP

The EUT is a stand-alone, battery operated, device that is intended to be mounted in one orientation only.

SETUP DIAGRAM FOR TESTS



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment Used – Radiated Emissions					
Description	Manufacturer	Model	Identifier	Cal Date	Cal Due Date
30-1000MHz					
EMI Receiver	Rohde & Schwarz	ESIB40	34968	2011-03-01	2012-03-01
Bicon Antenna	Schaffner	VBA6106A	54	2011-04-05	2012-04-05
Log-P Antenna	Schaffner	UPA6109	44067	2011-04-29	2012-04-29
Switch Driver	HP	11713A	ME7A-627	NA	NA
System Controller	Sunol Sciences	SC99V	44396	NA	NA
Camera Controller	Panasonic	WV-CU254	44395	NA	NA
RF Switch Box	UL	1	44398	NA	NA
Measurement Software	UL	Version 9.3	44740	NA	NA
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268	2010-12-07	2012-12-07
Above 1GHz (Band Optimized System)					
Spectrum Analyzer	Agilent	E4446A	72823	2011-07-26	2012-07-26
Horn Antenna (1-2 GHz)	ETS	3161-01	51442	2008-03-28	See * below
Horn Antenna (2-4 GHz)	ETS	3161-02	48107	2007-09-27	See * below
Horn Antenna (4-8 GHz)	ETS	3161-03	48106	2007-09-27	See * below
Signal Path Controller	HP	11713A	50250	NA	NA
Gain Controller	HP	11713A	50251	NA	NA
RF Switch / Preamp Fixture	UL	BOMS1	50249	NA	NA
System Controller	UL	BOMS2	50252	NA	NA
Measurement Software	UL	Version 9.3	44740	NA	NA
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268	2010-12-07	2012-12-07
* - Note: As allowed by the calibration standard ANSI C63.4 Section 4.4.2, standard gain horns need only a one-time calibration. Only if physical damage occurs will the horn antenna require re-calibration.					
* Gain standard horn antennas (sometimes called standard gain horn antennas) need not be calibrated beyond that which is provided by the manufacturer unless they are damaged or deterioration is suspected, or they are used at a distance closer than $2D^2/\lambda$. Gain standard horn antennas have gains that are fixed by their dimensions and dimensional tolerances.					

Test Equipment Used – Occupied Bandwidth/Cease Operation/Duty Cycle					
Description	Manufacturer	Model	Identifier	Cal Date	Cal Due Date
Spectrum Analyzer	Agilent	E4446A	72822	2011-07-02	2012-07-02
Dipole Antenna	EMCO	3121C	3359	2010-12-08	2011-12-08
Temp/Humidity/Pressure Meter	Cole Parmer	99760-00	4268	2010-12-07	2012-12-07

7. ANTENNA PORT TEST RESULTS

7.1. 20 dB AND 99% BW

LIMITS

FCC §15.231 (c)

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

IC A1.1.3

For the purpose of Section A1.1, the 99% Bandwidth shall be no wider than 0.25% of the center frequency for devices operating between 70-900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency.

TEST PROCEDURE

ANSI C63.4

The transmitter output is connected to the spectrum analyzer.

20dB Bandwidth: The RBW is set to 10 KHz. The VBW is set to 30 KHz. The sweep time is coupled. Bandwidth is determined at the points 20 dB down from the modulated carrier.

99% Bandwidth: The RBW is set to 1% to 3% of the 99 % bandwidth. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

RESULTS

No non-compliance noted:

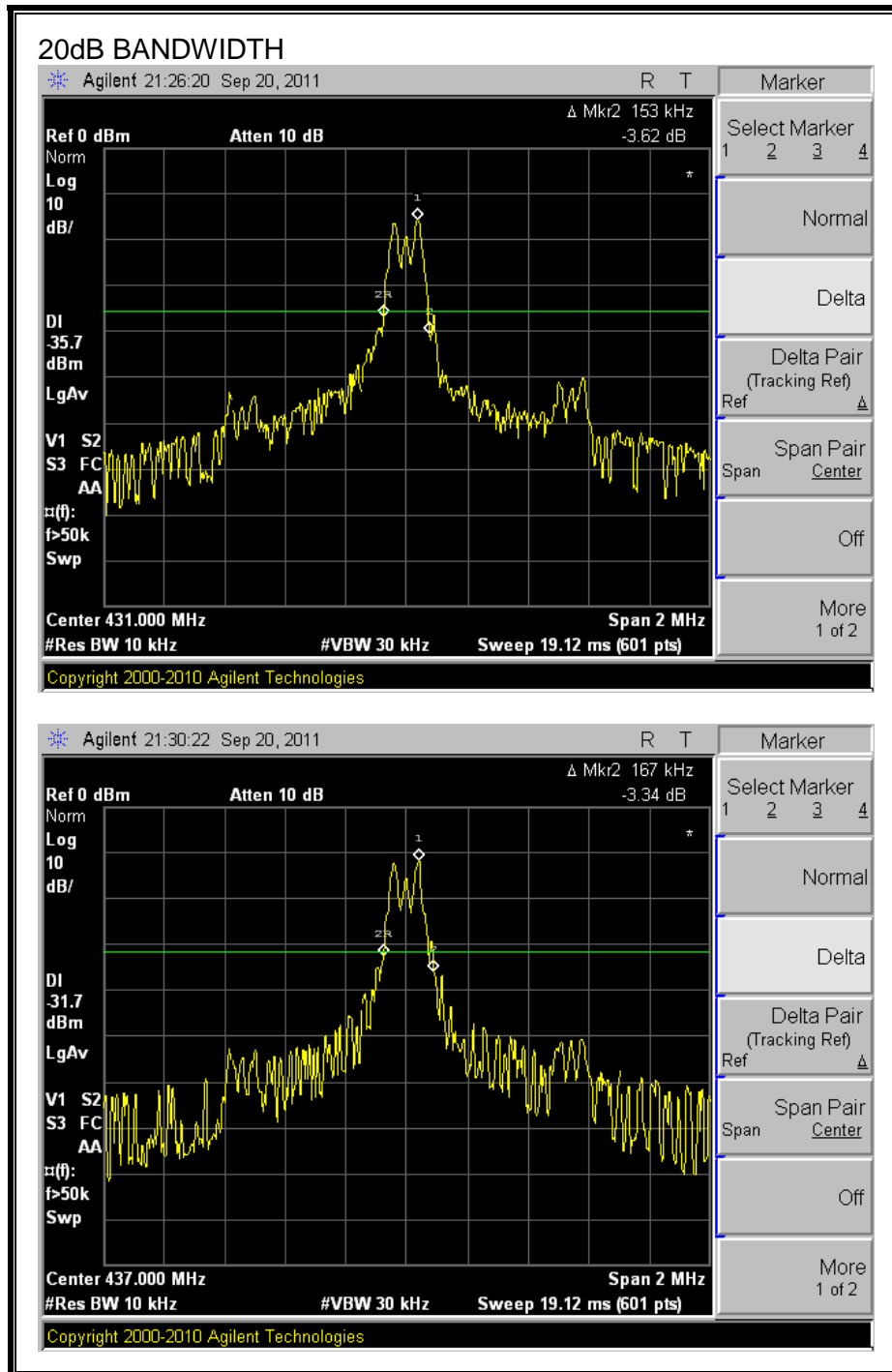
20dB Bandwidth

Frequency (MHz)	20dB Bandwidth (kHz)	Limit (kHz)	Margin (kHz)
431	153	1077.5	-924.5
437	167	1092.5	-925.5

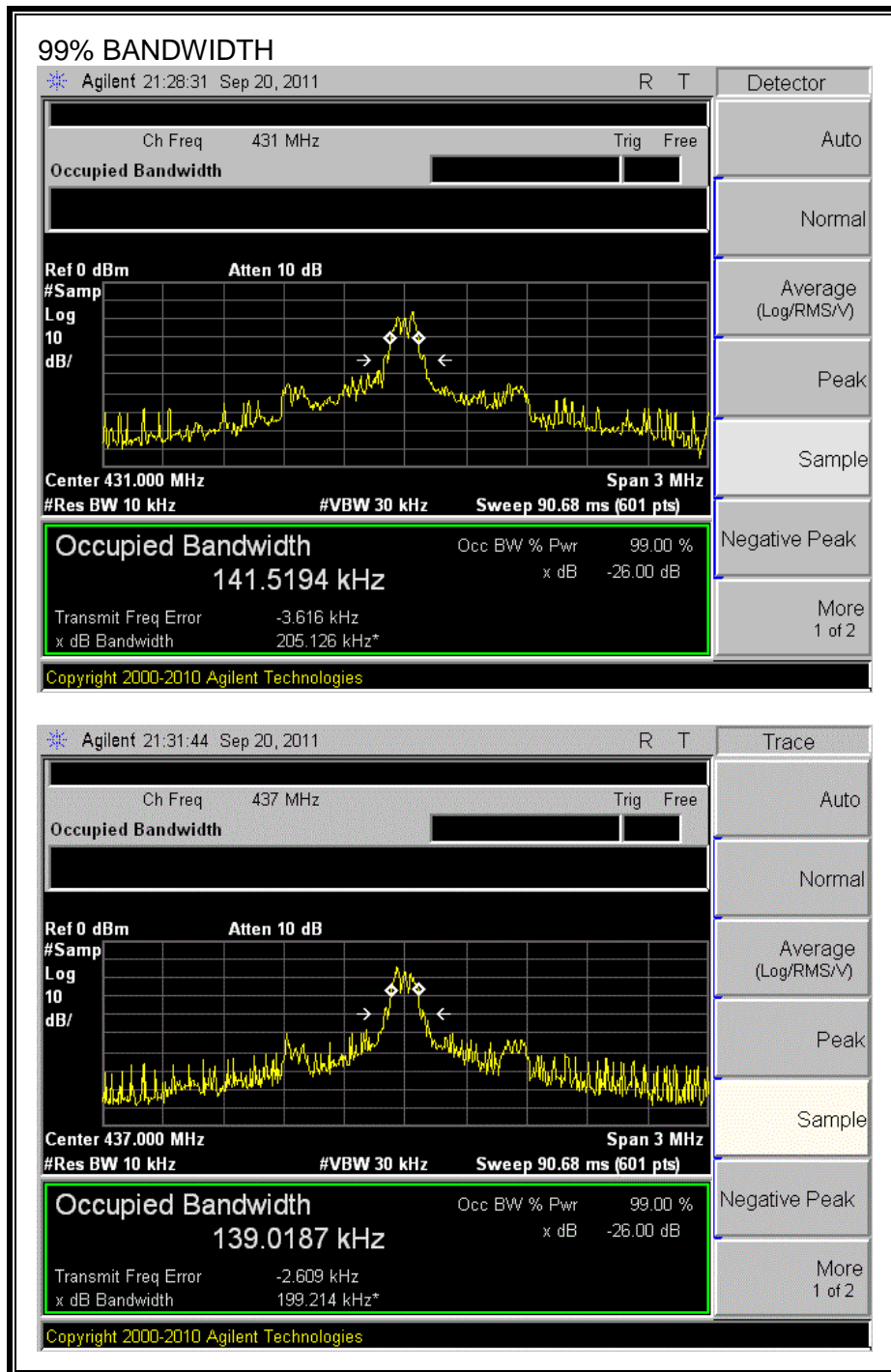
99% Bandwidth

Frequency (MHz)	99% Bandwidth (kHz)	Limit (kHz)	Margin (kHz)
431	141.5	1077.5	-936
437	139	1092.5	-953.5

20dB BANDWIDTH



99% BANDWIDTH



7.2. DUTY CYCLE

LIMITS

FCC §15.35 (c)

The measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value. The exact method of calculating the average field strength shall be submitted with any application for certification or shall be retained in the measurement data file for equipment subject to notification or verification.

TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer or radiated field strength. The RBW is set to 1 MHz and the VBW is set to 1 MHz. The sweep time is coupled and the span is set to 0 Hz. The number of pulses is measured and calculated in a 100 ms scan.

CALCULATION

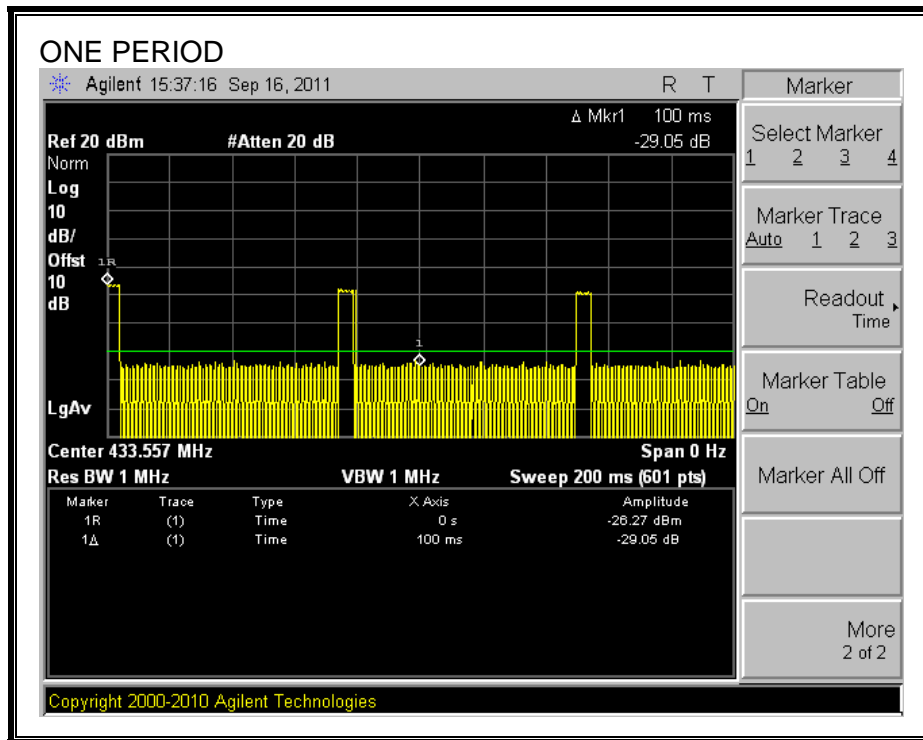
Average Reading = Peak Reading (dBuV/m) + 20log (Duty Cycle), Where Duty Cycle is (# of long pulses * long pulse width) + (# of short pulses * short pulse width) / 100 or T

RESULTS

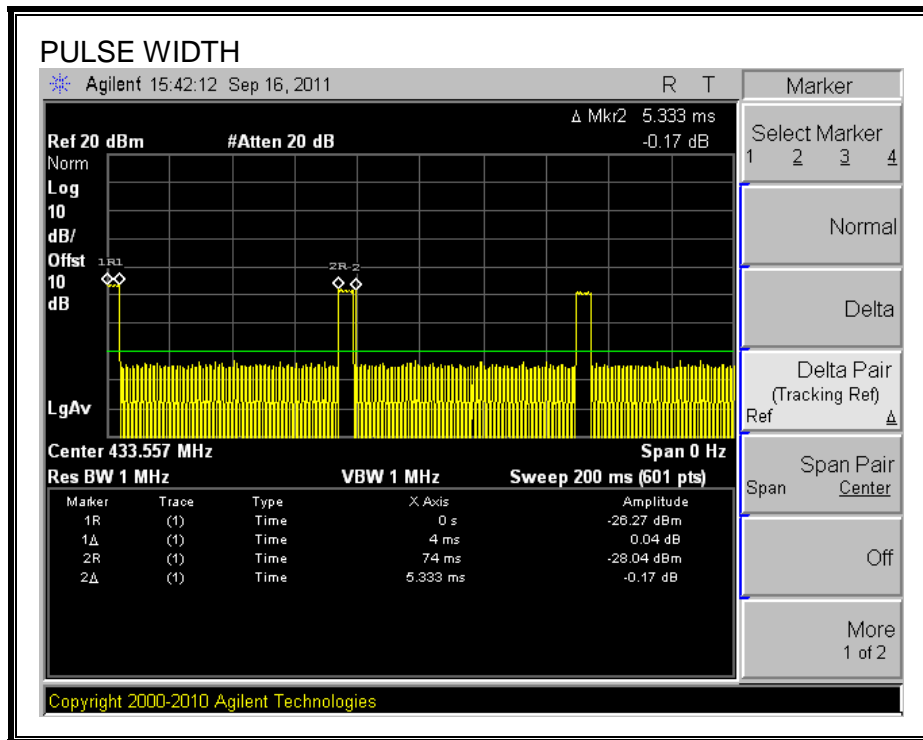
No non-compliance noted:

One Period (ms)	Long Pulse Width (ms)	# of Long Pulses	Short Width (ms)	# of Short Pulses	Duty Cycle	20*Log Duty Cycle (dB)
100	5.333	1	4.00	1	0.093	-20.60

ONE PERIOD



PULSE WIDTH



7.3. TRANSMISSION TIME

LIMITS

FCC §15.231 (a) (2)

IC A1.1.1 (b)

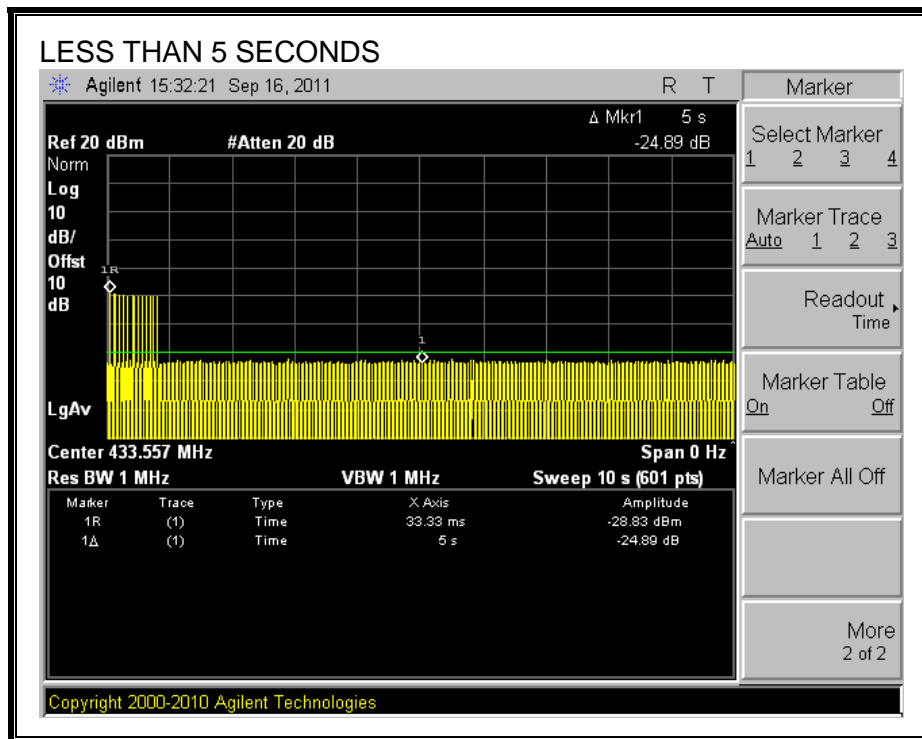
A transmitter activated automatically shall cease transmission within 5 seconds after activation.

TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer or radiated field strength. The RBW is set to 1 MHz and the VBW is set to 1 MHz. The sweep time is set to 10 seconds and the span is set to 0 Hz.

RESULTS

No non-compliance noted:



8. RADIATED EMISSION TEST RESULTS

8.1. TX RADIATED SPURIOUS EMISSION

LIMITS

FCC §15.231 (b)
 IC A1.1.2

In addition to the provisions of § 15.205, the field strength of emissions from Intentional radiators operated under this section shall not exceed the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental Frequency (microvolts/meter)	Field Strength of Spurious Emissions (microvolts/meter)
40.66 - 40.70	2,250	225
70 - 130	1,250	125
130 - 174	1,250 to 3,750 ¹	125 to 375 ¹
174 - 260	3,750	375
260 - 470	3,750 to 12,500 ¹	375 to 1,250 ¹
Above 470	12,500	1,250

¹ Linear interpolation

§15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 -	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.52525	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.7 - 156.9	3260 - 3267	23.6 - 24.0
12.29 - 12.293	162.0125 - 167.17	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	167.72 - 173.2	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	240 - 285	3600 - 4400	(²)
13.36 - 13.41	322 - 335.4		

1 Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
2 Above 38.6

§15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

§15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 88	100 **	3
88 216	150 **	3
216 960	200 **	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54 72 MHz, 76 88 MHz, 174 216 MHz or 470 806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

§15.209 (b) In the emission table above, the tighter limit applies at the band edges.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.4:2003. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

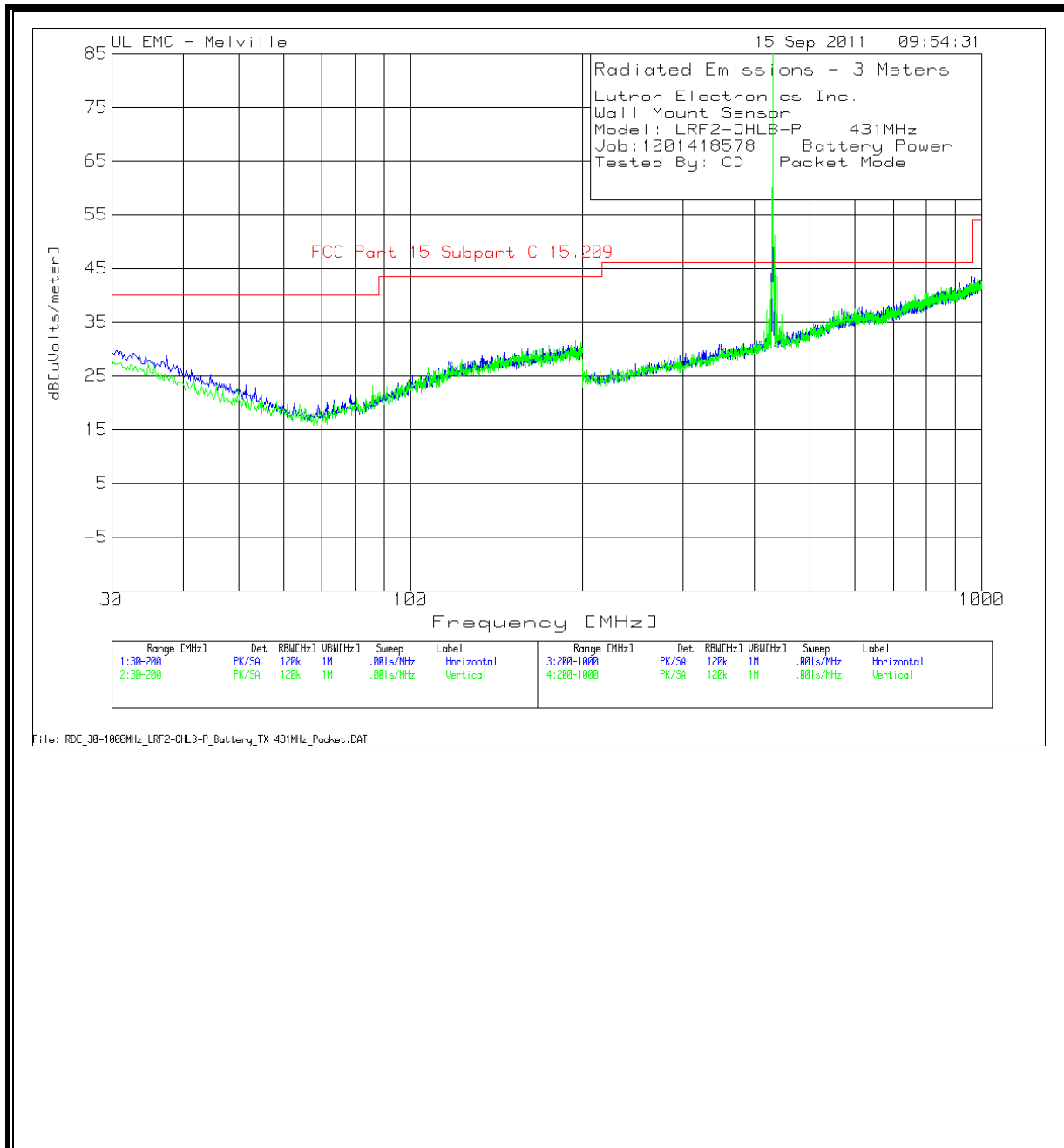
For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

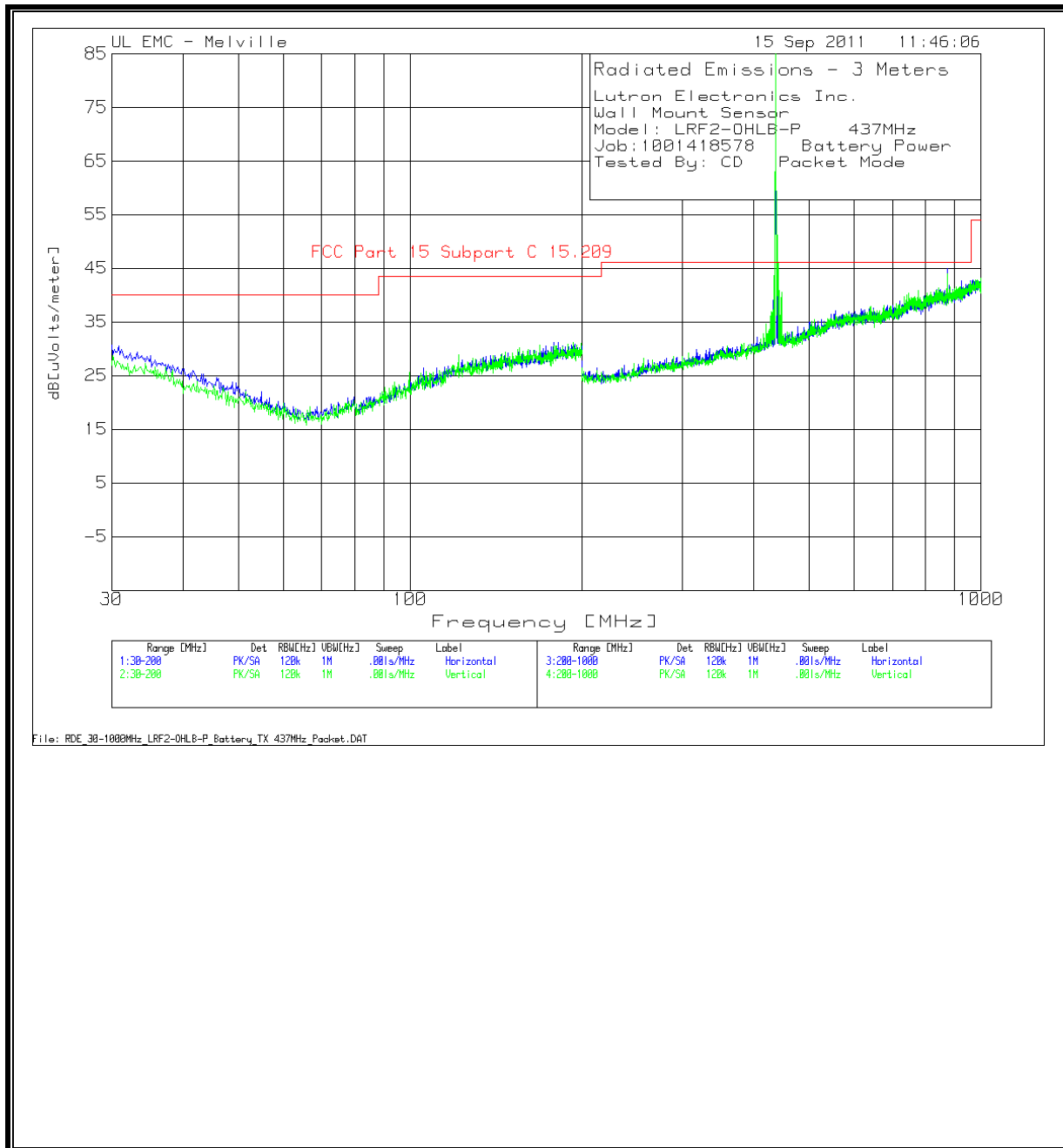
RESULTS

No non-compliance noted:

FUNDAMENTAL, HARMONICS AND TX SPURIOUS EMISSION (30 – 1000 MHz)

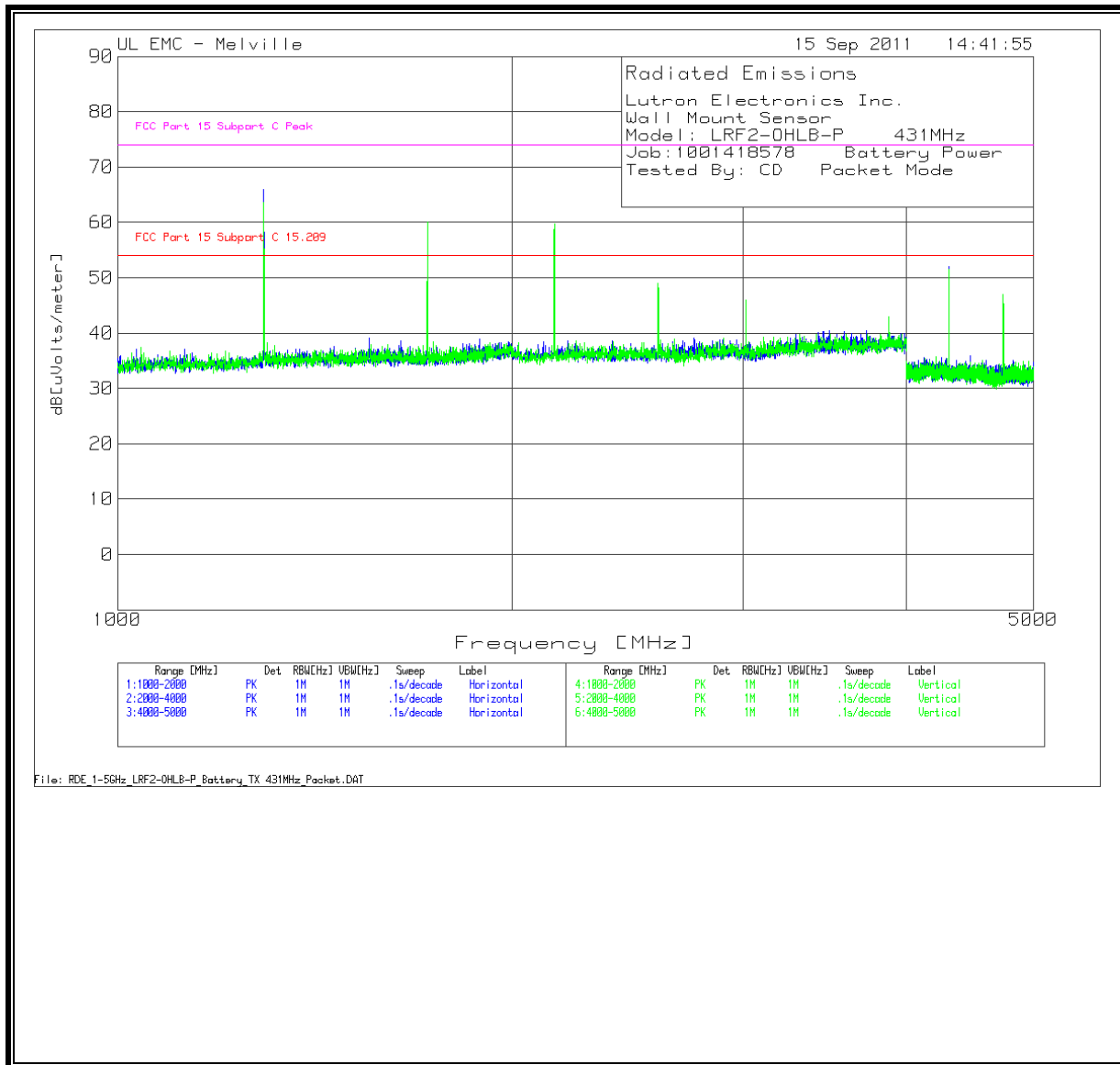


Lutron Electronics Inc.																	
Wall Mount Sensor																	
Model: LRF2-OHLB-P 431MHz																	
Job:1001418578 Battery Power																	
Tested By: CD/GB Packet Mode																	
Test Freq	Meter Res	Detector	LogP	3M	3M	Loc	30-	dB[uVolts	DCF[dB]	Corrected	FCC Part 1	Margin	FCC Part 15	Subpart (Azimuth [Height [m	Polarity	
Horizontal 200 - 1000MHz																	
430.9456	68.22	PK		17	2.3			87.52	-20.6	66.92	-	-	80.7	-13.78	5	330	Horz
427.7139	7.36	QP		17	2.3			26.66				46	-19.34		96	322	Horz
432.9165	13.5	QP		17.1	2.3			32.9				46	-13.1		355	255	Horz
Vertical 200 - 1000MHz																	
431.0307	76.32	PK		16.5	2.3			95.12	-20.6	74.52	-	-	80.7	-6.18	119	124	Vert
428.1141	9.15	QP		16.5	2.3			27.95				46	-18.05		242	166	Vert
428.9145	17.08	QP		16.5	2.3			35.88				46	-10.12		238	137	Vert
432.5163	19.95	QP		16.6	2.3			38.85				46	-7.15		345	172	Vert
433.7169	15.34	QP		16.6	2.3			34.24				46	-11.76		120	278	Vert
434.5179	7.72	QP		16.6	2.3			26.62				46	-19.38		169	305	Vert
438.9195	7.6	QP		16.6	2.3			26.5				46	-19.5		283	256	Vert
PK - Peak detector (Maximized)																	
QP - Quasi-Peak detector																	
LnAv - Linear Average detector																	
LgAv - Log Average detector																	
Av - Average detector																	
CAV - CISPR Average detector																	
RMS - RMS detection																	
CRMS - CISPR RMS detection																	

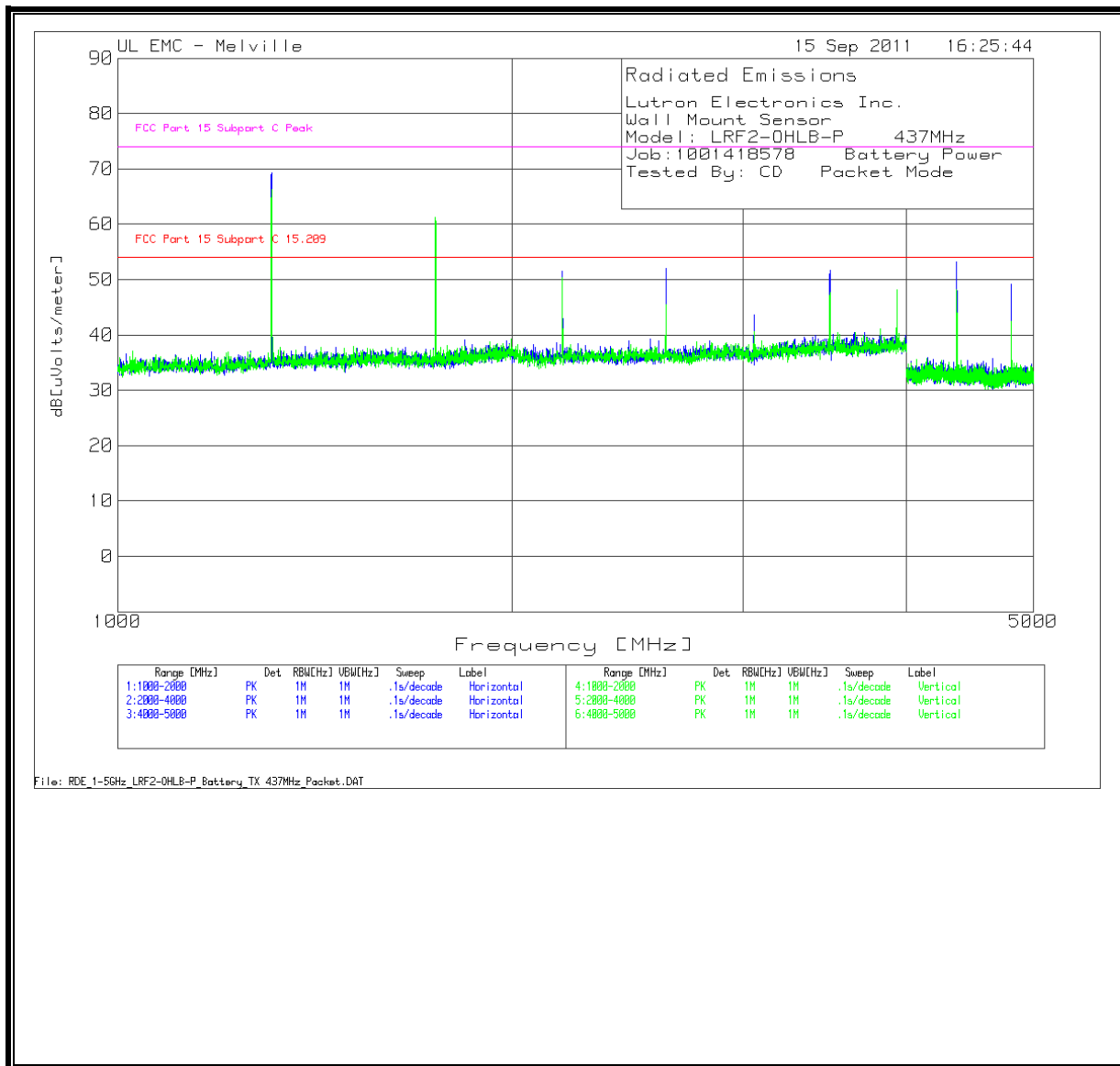


Lutron Electronics Inc.															
Wall Mount Sensor															
Model: LRF2-OHLB-P 437MHz															
Job:1001418578 Battery Power															
Tested By: CD/GB Packet Mode															
			LogP 3M					Corrected	FCC Part		FCC Part				
Test	Meter		Horz	3MLoc 30-				Value	15		15		Azimuth	Height	
Frequency	Reading	Detector	44067	1000MHz	dB[uVolts/	DCF[dB]	[dB[uVolts	Subpart C	15.209	Margin	15.231	Margin	[Degs]	[cm]	Polarity
			02May12	02Feb12	meter]		/meter]]								
Horizontal 200 - 1000MHz															
436.9436	69.1	PK	17.1	2.3	88.5	-20.6	67.9	-	-		80.9	-13	346	304	Horz
440.5203	7.66	QP	17.2	2.3	27.16				46	-18.84			257	120	Horz
Vertical 200 - 1000MHz															
436.9436	76.49	PK	16.6	2.3	95.39	-20.6	74.79	-	-		80.9	-6.11	277	160	Vert
434.1171	10.84	QP	16.6	2.3	29.74				46	-16.26			278	100	Vert
440.1201	8.3	QP	16.6	2.3	27.2				46	-18.8			313	312	Vert
441.7209	8.68	QP	16.7	2.4	27.78				46	-18.22			283	178	Vert
442.5213	8.07	QP	16.7	2.4	27.17				46	-18.83			89	197	Vert
448.1241	7.72	QP	16.9	2.3	26.92				46	-19.08			120	121	Vert
PK - Peak detector (maximized)															
QP - Quasi-Peak detector															
LnAv - Linear Average detector															
LgAv - Log Average detector															
Av - Average detector															
CAV - CISPR Average detector															
RMS - RMS detection															
CRMS - CISPR RMS detection															

HARMONICS AND TX SPURIOUS EMISSIONS ABOVE 1GHz



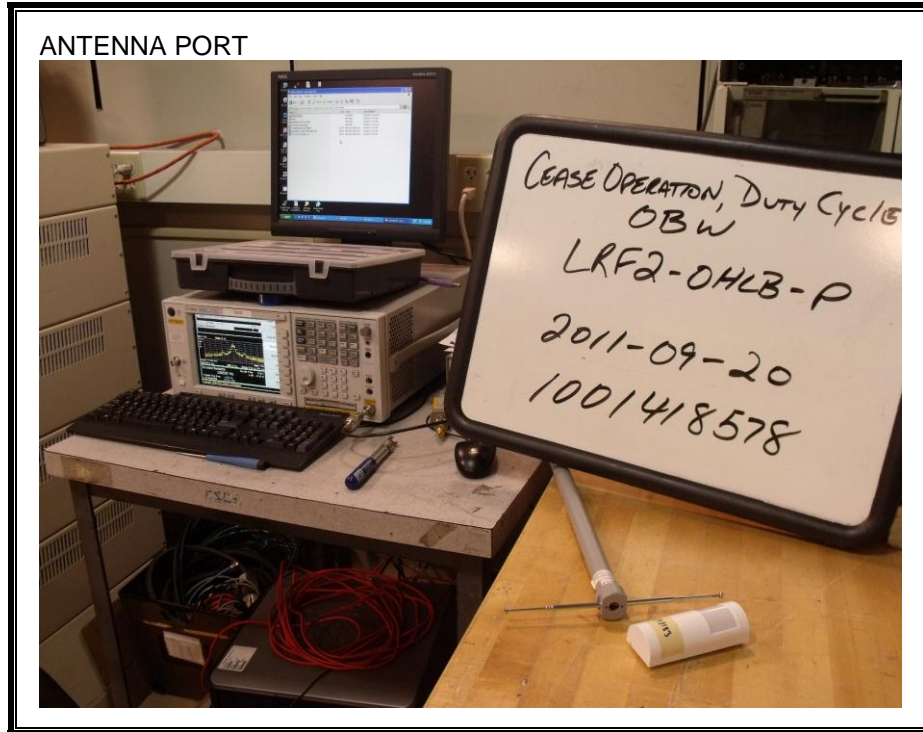
Lutron Electronics Inc.														
Wall Mount Sensor														
Model: LRF2-OHLB-P 431MHz														
Job:1001418578 Battery Power														
Tested By: CD/GB Packet Mode														
Test	Meter	Detector	51442 1-2GHz [dB]	BOMS Factor [dB]	dB[uVolts /meter]	DCF[dB]	Corrected Value [dB[uVolts/ meter]]	FCC Part 15 Subpart C 15.209	Margin	FCC Part 15 Subpart C Peak	Margin	Azimuth [Degs]	Height [cm]	Polarity
Horizontal 1000 - 2000MHz														
1292.869	91.91	PK	20.5	-44.42	67.99	-20.6	47.39	54	-6.61	74	-6.01	20	239	Horz
1724.028	85.08	PK	20.8	-44.13	61.75	-20.6	41.15	54	-12.85	74	-12.25	7	335	Horz
Horizontal 2000 - 4000MHz														
2154.878	76.67	PK	21.4	-43.39	54.68	-20.6	34.08	54	-19.92	74	-19.32	342	337	Horz
2585.837	75.12	PK	21.3	-42.47	53.95	-20.6	33.35	54	-20.65	74	-20.05	188	104	Horz
3017.191	67.89	PK	21.5	-41.97	47.42	-20.6	26.82	54	-27.18	74	-26.58	265	204	Horz
3878.855	74.16	PK	22.6	-41.91	54.85	-20.6	34.25	54	-19.75	74	-19.15	15	167	Horz
Horizontal 4000 - 5000MHz														
4309.57	77.27	PK	27.7	-51.74	53.23	-20.6	32.63	54	-21.37	74	-20.77	305	109	Horz
4741.184	79.43	PK	27.2	-52.58	54.05	-20.6	33.45	54	-20.55	74	-19.95	325	110	Horz
Vertical 1000 - 2000MHz														
1292.819	89.63	PK	20.4	-44.42	65.61	-20.6	45.01	54	-8.99	74	-8.39	139	101	Vert
1724.223	83.45	PK	20.8	-44.12	60.13	-20.6	39.53	54	-14.47	74	-13.87	73	227	Vert
Vertical 2000 - 4000MHz														
2155.003	84.7	PK	21	-43.39	62.31	-20.6	41.71	54	-12.29	74	-11.69	53	327	Vert
2586.327	72.17	PK	21.5	-42.48	51.19	-20.6	30.59	54	-23.41	74	-22.81	140	131	Vert
3017.096	68.26	PK	21.7	-41.97	47.99	-20.6	27.39	54	-26.61	74	-26.01	121	368	Vert
3879.345	68.24	PK	22.6	-41.92	48.92	-20.6	28.32	54	-25.68	74	-25.08	88	312	Vert
Vertical 4000 - 5000MHz														
4310.187	77.98	PK	27.8	-51.73	54.05	-20.6	33.45	54	-20.55	74	-19.95	14	363	Vert
4740.664	74.76	PK	27.1	-52.59	49.27	-20.6	28.67	54	-25.33	74	-24.73	73	202	Vert
PK - Peak detector (Maximized)														
QP - Quasi-Peak detector														
LnAv - Linear Average detector														
LgAv - Log Average detector														
Av - Average detector														
CAV - CISPR Average detector														
RMS - RMS detection														
CRMS - CISPR RMS detection														



Lutron Electronics Inc.														
Wall Mount Sensor														
Model: LRF2-OHLB-P 437MHz														
Job:1001418578 Battery Power														
Tested By: CD/GB Packet Mode														
Test	Meter	Detector	51442 1-2GHz [dB]	BOMS Factor [dB]	dB[uVolts /meter]	DCF[dB]	Corrected Level [dB[uVolts/ meter]	FCC Part 15 Subpart C 15.209	Margin	FCC Part 15 Subpart C Peak	Margin	Azimuth [Degs]	Height [cm]	Polarity
Horizontal 1000 - 2000MHz														
1311.018	95.72	PK	20.5	-44.35	71.87	-20.6	51.27	54	-2.73	74	-2.13	187	128	Horz
1748.1125	86.04	PK	20.8	-44.14	62.7	-20.6	42.1	54	-11.9	74	-11.3	17	147	Horz
Horizontal 2000 - 4000MHz														
2185.02	73.96	PK	21.5	-43.19	52.27	-20.6	31.67	54	-22.33	74	-21.73	32	200	Horz
2622.115	73.69	PK	21.4	-42.49	52.6	-20.6	32	54	-22	74	-21.4	163	184	Horz
3059.17	67.86	PK	21.6	-41.91	47.55	-20.6	26.95	54	-27.05	74	-26.45	235	190	Horz
3495.955	75.04	PK	22.2	-41.73	55.51	-20.6	34.91	54	-19.09	74	-18.49	186	286	Horz
3932.92	73.41	PK	22.7	-41.7	54.41	-20.6	33.81	54	-20.19	74	-19.59	359	156	Horz
Horizontal 4000 - 5000MHz														
4370.125	77.35	PK	27.6	-51.65	53.3	-20.6	32.7	54	-21.3	74	-20.7	236	108	Horz
4807.16	78.74	PK	27.1	-52.55	53.29	-20.6	32.69	54	-21.31	74	-20.71	340	162	Horz
Vertical 1000 - 2000MHz														
1311.035	93.06	PK	20.5	-44.35	69.21	-20.6	48.61	54	-5.39	74	-4.79	130	104	Vert
1748.045	85.63	PK	20.8	-44.14	62.29	-20.6	41.69	54	-12.31	74	-11.71	71	145	Vert
Vertical 2000 - 4000MHz														
2184.9625	82.91	PK	21.2	-43.19	60.92	-20.6	40.32	54	-13.68	74	-13.08	82	104	Vert
2622.074	68.9	PK	21.4	-42.49	47.81	-20.6	27.21	54	-26.79	74	-26.19	215	261	Vert
3058.838	70.77	PK	21.8	-41.9	50.67	-20.6	30.07	54	-23.93	74	-23.33	322	347	Vert
3496.16	68.85	PK	22.4	-41.73	49.52	-20.6	28.92	54	-25.08	74	-24.48	44	353	Vert
3932.996	68.02	PK	22.7	-41.7	49.02	-20.6	28.42	54	-25.58	74	-24.98	56	302	Vert
Vertical 4000 - 5000MHz														
4369.7825	75.88	PK	27.7	-51.65	51.93	-20.6	31.33	54	-22.67	74	-22.07	222	101	Vert
4806.89	75.27	PK	27.3	-52.55	50.02	-20.6	29.42	54	-24.58	74	-23.98	72	106	Vert
PK - Peak detector (Maximized)														
QP - Quasi-Peak detector														
LnAv - Linear Average detector														
LgAv - Log Average detector														
Av - Average detector														
CAV - CISPR Average detector														
RMS - RMS detection														
CRMS - CISPR RMS detection														

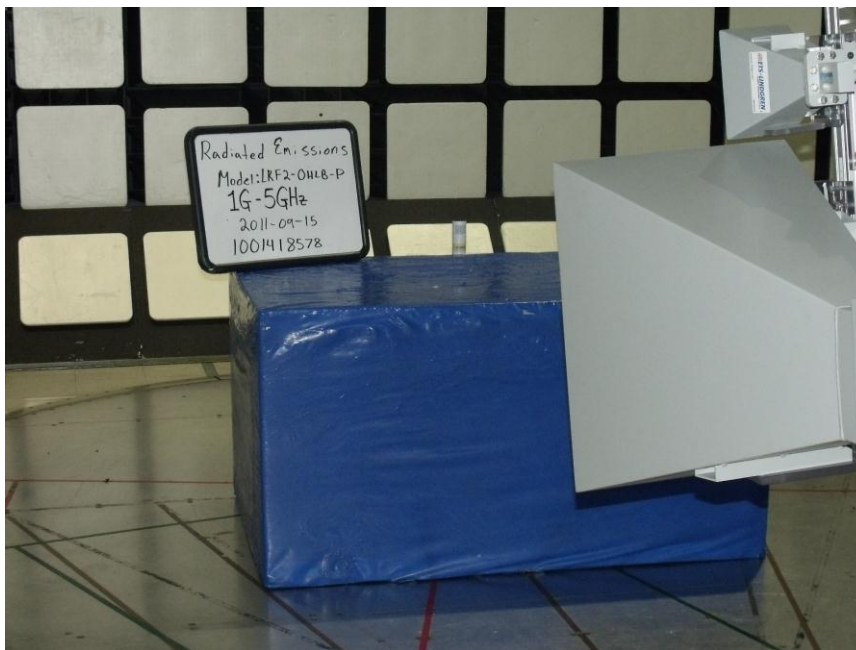
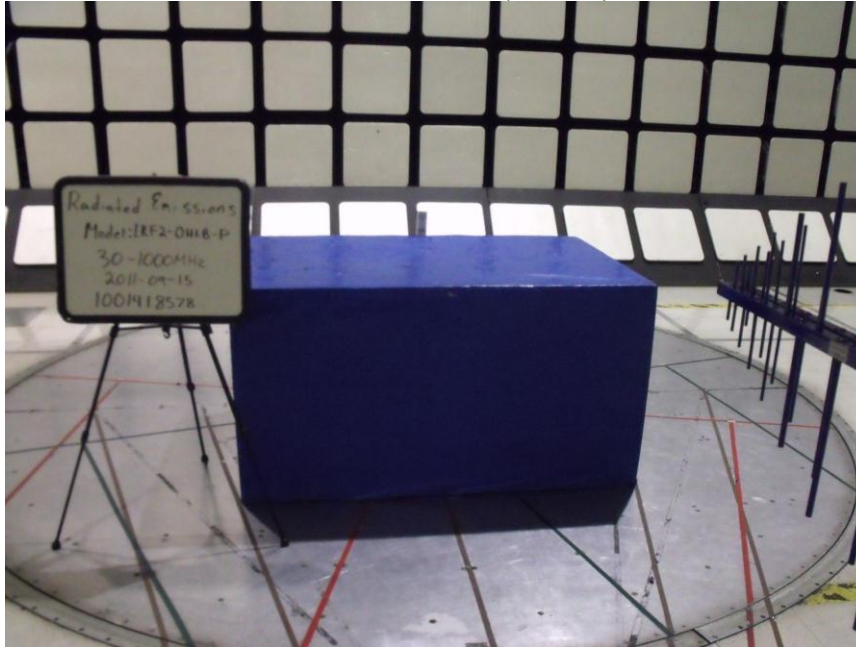
9. SETUP PHOTOS

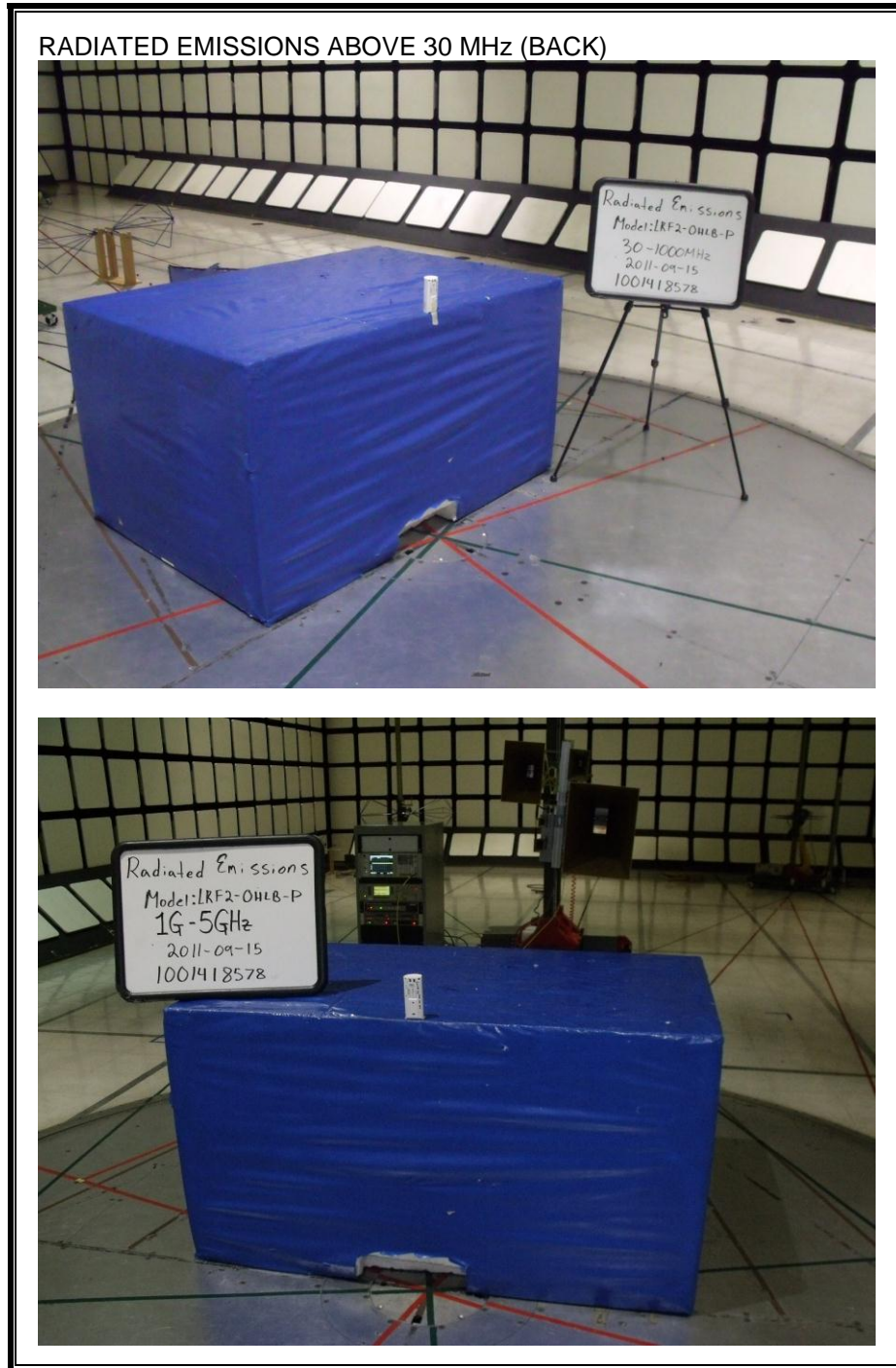
ANTENNA PORT



RADIATED EMISSION ABOVE 30 MHz

RADIATED EMISSIONS ABOVE 30 MHz (FRONT)





END OF REPORT