



Select Comfort Corporation

Universal Remote

FCC 15.249:2013

Report #: LGPD0112



Report Prepared By Northwest EMC Inc.

NORTHWEST EMC – (888) 364-2378 – www.nwemc.com

California – Minnesota – Oregon – New York – Washington

CERTIFICATE OF TEST

Last Date of Test: August 23, 2013
Select Comfort Corporation
Model: Universal Remote

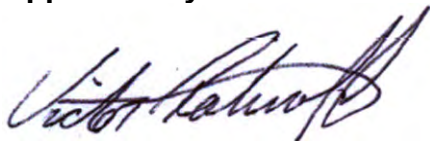
Emissions

Test Description	Specification	Test Method	Pass/Fail
Field Strength of Fundamentals	FCC 15.249:2013	ANSI C63.10:2009	Pass
Field Strength of Harmonics and Spurious Radiated Emissions	FCC 15.249:2013	ANSI C63.10:2009	Pass

Deviations From Test Standards

None

Approved By:



Victor Ratinoff, Operations Manager



NVLAP Lab Code: 200676-0

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America.

Product compliance is the responsibility of the client, therefore the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. This Report may only be duplicated in its entirety. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test.

REVISION HISTORY

Revision Number	Description	Date	Page Number
00	None		

Barometric Pressure

The recorded barometric pressure has been normalized to sea level.

United States

FCC - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

A2LA - Accredited by A2LA to ISO / IEC Guide 65 as a product certifier. This allows Northwest EMC to certify transmitters to FCC and IC specifications.

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

IC - Recognized by Industry Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with IC.

European Union

European Commission – Validated by the European Commission as a Conformity Assessment Body (CAB) under the EMC directive and as a Notified Body under the R&TTE Directive.

Australia/New Zealand

ACMA - Recognized by ACMA as a CAB for the acceptance of test data.

Korea

KCC / RRA - Recognized by KCC's RRA as a CAB for the acceptance of test data.

Japan

VCCI - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

Taiwan

BSMI – Recognized by BSMI as a CAB for the acceptance of test data.

NCC - Recognized by NCC as a CAB for the acceptance of test data.

Singapore

IDA – Recognized by IDA as a CAB for the acceptance of test data.

Hong Kong

OFTA – Recognized by OFTA as a CAB for the acceptance of test data.

Vietnam

MIC – Recognized by MIC as a CAB for the acceptance of test data.

Russia

GOST – Accredited by Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC to perform EMC and Hygienic testing for Information Technology products to GOST standards.

SCOPE

For details on the Scopes of our Accreditations, please visit:

<http://www.nwemc.com/accreditations/>

Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

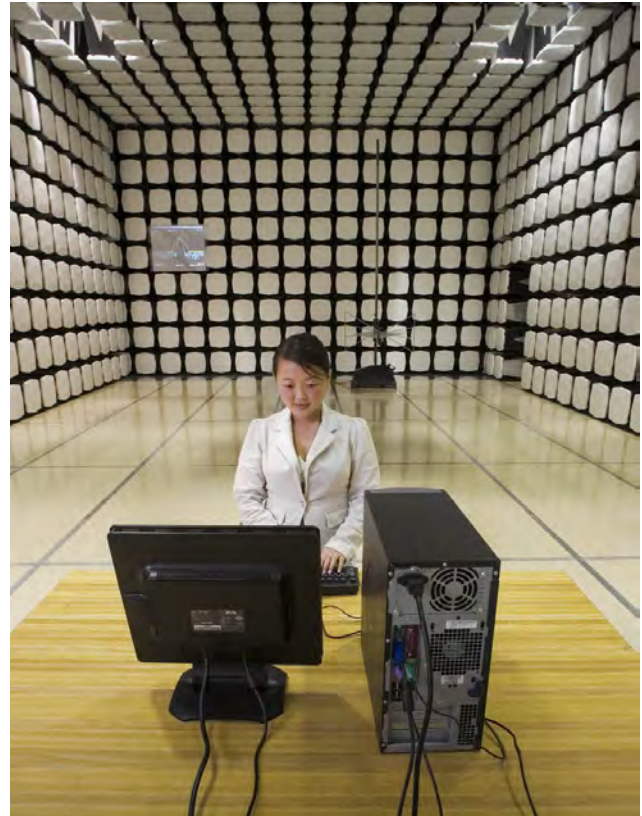
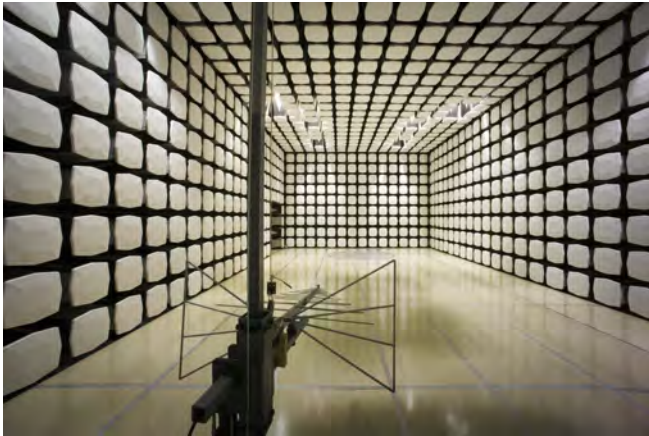
A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) for each test is on each data sheet. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-1 as applicable), and are available upon request.

The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Test	+ MU	- MU
Frequency Accuracy (Hz)	0.12	-0.01
Amplitude Accuracy (dB)	0.49	-0.49
Conducted Power (dB)	0.41	-0.41
Radiated Power via Substitution (dB)	0.69	-0.68
Temperature (degrees C)	0.81	-0.81
Humidity (% RH)	2.89	-2.89
Field Strength (dB)	4.00	-4.00
AC Powerline Conducted Emissions (dB)	2.70	-2.70



Oregon Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	California Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	New York Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 685-0796	Minnesota Labs MN01-08 9349 W Broadway Ave. Brooklyn Park, MN 55445 (763) 425-2281	Washington Labs NC01-05, SU02, SU07 19201 120 th Ave. NE Bothell, WA 98011 (425) 984-6600
VCCI				
A-0108	A-0029		A-0109	A-0110
Industry Canada				
2834D-1, 2834D-2	2834B-1, 2834B-2, 2834B-3		2834E-1	2834C-1
NVLAP				
NVLAP Lab Code: 200630-0	NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200761-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200629-0



Client and Equipment Under Test (EUT) Information

Company Name:	Select Comfort Corporation
Address:	9800 59 th Avenue North
City, State, Zip:	Minneapolis, MN 55442
Test Requested By:	Maxine Chen
Model:	Universal Remote
First Date of Test:	August 23, 2013
Last Date of Test:	August 23, 2013
Receipt Date of Samples:	August 23, 2013
Equipment Design Stage:	Alpha 10
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT (Equipment Under Test):
Adjustable Foundation Remote Control, 2400-2483.5 MHz transceiver operating with a maximum output power of <94 dBuV/m. The EUT is battery powered utilizing a replaceable battery. Testing was performed with a new battery.
Testing Objective:
Seeking to demonstrate compliance under FCC 15.249 for operation in the 2400 - 2483.5 MHz Band.



CONFIGURATIONS

Configuration LGPD0112- 1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Remote Control	Select Comfort	Universal Remote	Alpha 10

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	8/23/2013	Field Strength of Fundamentals	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	8/23/2013	Field Strength of Harmonics and Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled Testing was completed.

Field Strength of Fundamental

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

Transmitting Continuous Modulated: Low Ch. 0 (2405 MHz), Mid Ch. 9 (2450 MHz), High Ch. 15 (2480 MHz)

POWER SETTINGS INVESTIGATED

Battery

CONFIGURATIONS INVESTIGATED

LGPD0112 - 1

FREQUENCY RANGE INVESTIGATED

Start Frequency	2405 MHz	Stop Frequency	2480 MHz
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SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Antenna, Horn	EMCO	3115	AHB	3/8/2011	36 mo
OC10 Cables	N/A	1-8GHz RE Cables	OCJ	7/16/2013	12 mo
Spectrum Analyzer	Agilent	E4440A	AFA	6/15/2012	24 mo

MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

TEST DESCRIPTION

The antennas to be used with the EUT were tested. The EUT was transmitting and while set at the lowest channel, a middle channel, and the highest channel available. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT and EUT antenna in 3 orthogonal planes (per ANSI C63.10:2009).

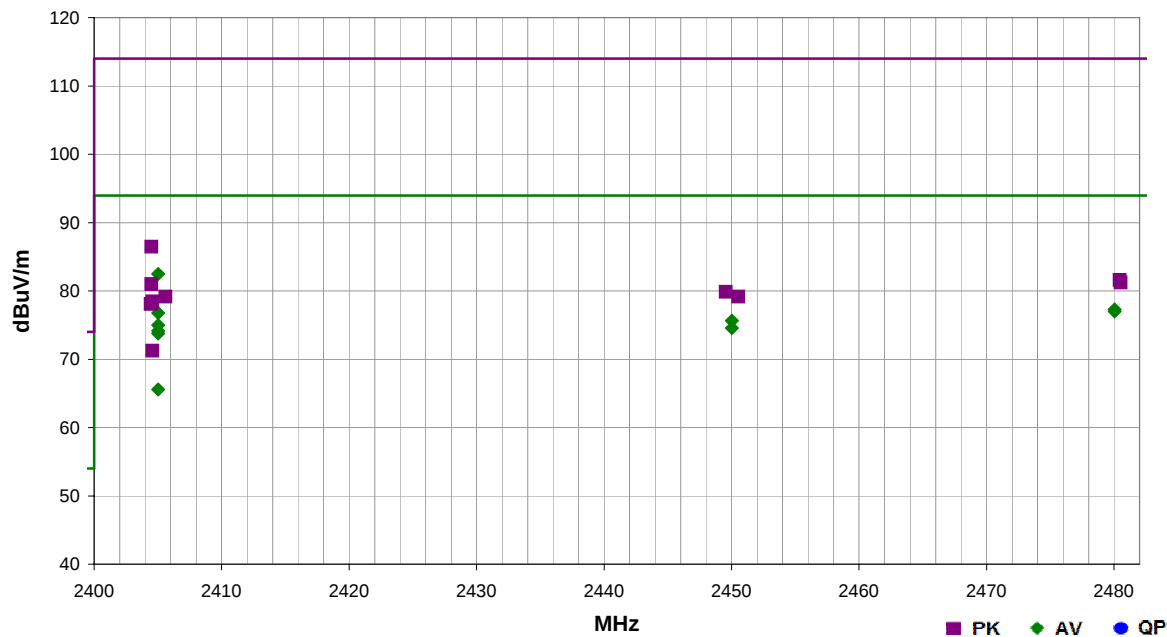


Field Strength of Fundamental

Work Order:	LGPD0112	Date:	08/23/13	
Project:	None	Temperature:	24.9 °C	
Job Site:	OC10	Humidity:	45.4% RH	
Serial Number:	Alpha10	Barometric Pres.:	1011 mbar	
EUT:	Universal Remote			
Configuration:	1			
Customer:	Logic PD Inc.			
Attendees:	None			
EUT Power:	Battery			
Operating Mode:	Transmitting Continuous Modulated: Low Ch. 0 (2405 MHz), Mid Ch. 9 (2450 MHz), High Ch. 15 (2480 MHz)			
Deviations:	None			
Comments:	None			

Test Specifications	Test Method
FCC 15.249:2013	ANSI C63.10:2009

Run #	1	Test Distance (m)	3	Antenna Height(s)	1-4m	Results	Pass
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Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2405.032	48.7	33.8	2.1	62.0	3.0	0.0	Horz	AV	0.0	82.5	94.0	-11.5	EUT Horz, Low Ch 0
2480.033	43.2	34.1	1.0	293.0	3.0	0.0	Vert	AV	0.0	77.3	94.0	-16.7	EUT Horz, High Ch 15
2480.033	42.9	34.1	1.0	241.0	3.0	0.0	Horz	AV	0.0	77.0	94.0	-17.0	EUT Horz, High Ch 15
2405.032	43.0	33.8	1.2	109.0	3.0	0.0	Vert	AV	0.0	76.8	94.0	-17.2	EUT Horz, Low Ch 0
2450.020	41.7	34.0	1.0	236.0	3.0	0.0	Horz	AV	0.0	75.7	94.0	-18.3	EUT Horz, Mid Ch 9
2405.025	41.2	33.8	1.2	292.0	3.0	0.0	Vert	AV	0.0	75.0	94.0	-19.0	EUT on Side, Low Ch 0
2450.027	40.6	34.0	1.0	295.0	3.0	0.0	Vert	AV	0.0	74.6	94.0	-19.4	EUT Horz, Mid Ch 9
2405.025	40.4	33.8	1.2	48.0	3.0	0.0	Horz	AV	0.0	74.2	94.0	-19.8	EUT on Side, Low Ch 0
2405.018	40.0	33.8	1.2	17.0	3.0	0.0	Vert	AV	0.0	73.8	94.0	-20.2	EUT Vertical, Low Ch 0
2404.505	52.7	33.8	2.1	62.0	3.0	0.0	Horz	PK	0.0	86.5	114.0	-27.5	EUT Horz, Low Ch 0
2405.032	31.8	33.8	1.0	239.0	3.0	0.0	Horz	AV	0.0	65.6	94.0	-28.4	EUT Vertical, Low Ch 0
2480.440	47.5	34.1	1.0	293.0	3.0	0.0	Vert	PK	0.0	81.6	114.0	-32.4	EUT Horz, High Ch 15
2480.507	47.1	34.1	1.0	241.0	3.0	0.0	Horz	PK	0.0	81.2	114.0	-32.8	EUT Horz, High Ch 15
2404.498	47.2	33.8	1.2	109.0	3.0	0.0	Vert	PK	0.0	81.0	114.0	-33.0	EUT Horz, Low Ch 0
2449.553	45.9	34.0	1.0	236.0	3.0	0.0	Horz	PK	0.0	79.9	114.0	-34.1	EUT Horz, Mid Ch 9
2450.513	45.2	34.0	1.0	295.0	3.0	0.0	Vert	PK	0.0	79.2	114.0	-34.8	EUT Horz, Mid Ch 9
2405.605	45.4	33.8	1.2	292.0	3.0	0.0	Vert	PK	0.0	79.2	114.0	-34.8	EUT on Side, Low Ch 0
2404.572	44.7	33.8	1.2	48.0	3.0	0.0	Horz	PK	0.0	78.5	114.0	-35.5	EUT on Side, Low Ch 0
2404.452	44.3	33.8	1.2	17.0	3.0	0.0	Vert	PK	0.0	78.1	114.0	-35.9	EUT Vertical, Low Ch 0
2404.572	37.5	33.8	1.0	239.0	3.0	0.0	Horz	PK	0.0	71.3	114.0	-42.7	EUT Vertical, Low Ch 0

Field Strength of Harmonics and Spurious Radiated Emissions

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

Transmitting Continuous Modulated: Low Ch. 0 (2405 MHz), Mid Ch. 9 (2450 MHz), High Ch. (2480 MHz)

POWER SETTINGS INVESTIGATED

Battery

CONFIGURATIONS INVESTIGATED

LGPD0112 - 1

FREQUENCY RANGE INVESTIGATED

Start Frequency 30 MHz Stop Frequency 26000 MHz

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
HP Filter	Micro-Tronics	HPM50111	HFM	4/2/2012	36 mo
Attenuator	Coaxicom	66702 3910AF-20	TKH	6/6/2013	12 mo
Low Pass Filter 0-1000 MHz	Micro-Tronics	LPM50004	LFC	11/27/2012	24 mo
Pre-Amplifier	Miteq	AMF-6F-18002650-25-10P	AOI	4/29/2013	12 mo
Antenna, Horn	EMCO	3160-09	AHN	NCR	0 mo
OC floating Cable	N/A	18-26GHz RE Cables	OCK	4/29/2013	12 mo
Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AOE	11/21/2012	12 mo
Antenna, Horn	ETS	3160-08	AHT	NCR	0 mo
Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AOE	11/21/2012	12 mo
Antenna, Horn	ETS	3160-07	AHR	NCR	0 mo
OC 10 Cables	N/A	8-18GHz RE Cables	OCO	7/16/2013	12 mo
Pre-Amplifier	Miteq	AMF-4D-010120-30-10P-1	AOP	6/6/2013	12 mo
Antenna, Horn	EMCO	3115	AHB	3/8/2011	36 mo
OC10 Cables	N/A	1-8GHz RE Cables	OCJ	7/16/2013	12 mo
Antenna, Biconilog	EMCO	3142	AXB	6/2/2013	36 mo
OC10 Cables	N/A	10kHz-1GHz RE Cables	OCH	6/6/2013	12 mo
Pre-Amplifier	Miteq	AM-1064-9079	AOO	6/6/2013	12 mo
Spectrum Analyzer	Agilent	E4440A	AFA	6/15/2012	24 mo

MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

TEST DESCRIPTION

The antennas to be used with the EUT were tested. The EUT was transmitting and receiving while set at the lowest channel, a middle channel, and the highest channel available. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.10:2009). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.



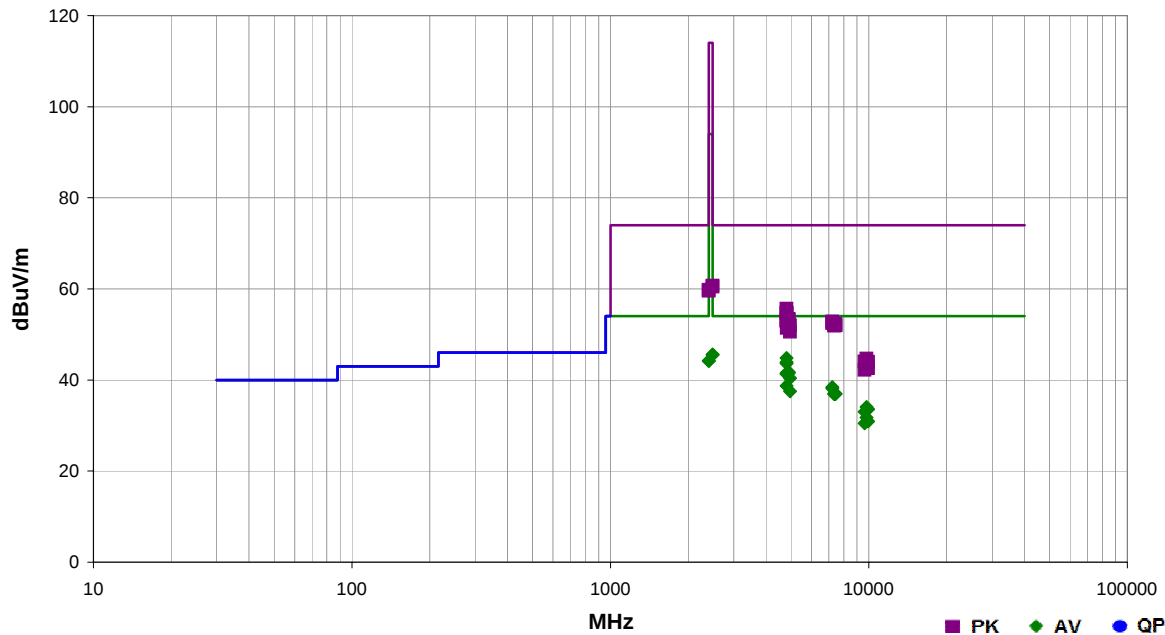
Field Strength of Harmonics and Spurious Radiated Emissions

PSA-ESCI 2012.12.14
PSA-ESCI Version 2013.2.20

Work Order:	LGPD0112	Date:	08/23/13	
Project:	None	Temperature:	25.3 °C	
Job Site:	OC10	Humidity:	45.1% RH	
Serial Number:	Alpha 10	Barometric Pres.:	1011 mbar	
EUT:		Universal Remote		
Configuration: 1				
Customer: Logic PD Inc.				
Attendees: None				
EUT Power: Battery				
Operating Mode:	Transmitting Continuous Modulated: Low Ch. 0 (2405 MHz), Mid Ch. 9 (2450 MHz), High Ch. (2480 MHz)			
Deviations:	None			
Comments:	None			

Test Specifications	Test Method
FCC 15.249:2013	ANSI C63.10:2009

Run #	7	Test Distance (m)	3	Antenna Height(s)	1-4m	Results	Pass
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Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2483.500	23.6	2.0	1.0	245.0	3.0	20.0	Horz	AV	0.0	45.6	54.0	-8.4	EUT Horz, High Ch 15
2483.500	23.5	2.0	1.0	132.0	3.0	20.0	Vert	AV	0.0	45.5	54.0	-8.5	EUT Horz, High Ch 15
4809.047	32.8	12.0	1.0	179.0	3.0	0.0	Vert	AV	0.0	44.8	54.0	-9.2	EUT Horz, Low Ch 0
2399.900	22.6	1.6	1.0	3.0	3.0	20.0	Vert	AV	0.0	44.2	54.0	-9.8	EUT Horz, Low Ch 0
2399.900	22.6	1.6	1.0	272.0	3.0	20.0	Horz	AV	0.0	44.2	54.0	-9.8	EUT Horz, Low Ch 0
4809.047	31.9	12.0	1.0	177.0	3.0	0.0	Horz	AV	0.0	43.9	54.0	-10.1	EUT Horz, Low Ch 0
4809.060	31.6	12.0	1.0	123.0	3.0	0.0	Vert	AV	0.0	43.6	54.0	-10.4	EUT Vertical, Low Ch 0
4899.047	29.4	12.3	1.0	164.0	3.0	0.0	Horz	AV	0.0	41.7	54.0	-12.3	EUT Horz, Mid Ch 9
4809.047	29.5	12.0	1.0	213.0	3.0	0.0	Vert	AV	0.0	41.5	54.0	-12.5	EUT on Side, Low Ch 0
4899.073	29.2	12.3	1.0	113.0	3.0	0.0	Vert	AV	0.0	41.5	54.0	-12.5	EUT Horz, Mid Ch 9
4809.073	29.3	12.0	1.0	244.0	3.0	0.0	Horz	AV	0.0	41.3	54.0	-12.7	EUT Vertical, Low Ch 0
2483.500	38.7	2.0	1.6	166.0	3.0	20.0	Horz	PK	0.0	60.7	74.0	-13.3	EUT Horz, High Ch 15
2483.500	38.5	2.0	1.0	132.0	3.0	20.0	Vert	PK	0.0	60.5	74.0	-13.5	EUT Horz, High Ch 15
4960.993	27.8	12.6	1.0	174.0	3.0	0.0	Horz	AV	0.0	40.4	54.0	-13.6	EUT Horz, Low Ch 0
2399.900	38.2	1.6	1.0	272.0	3.0	20.0	Horz	PK	0.0	59.8	74.0	-14.2	EUT Horz, Low Ch 0
2399.900	38.0	1.6	1.0	3.0	3.0	20.0	Vert	PK	0.0	59.6	74.0	-14.4	EUT Horz, Low Ch 0
4809.053	26.7	12.0	1.0	166.0	3.0	0.0	Horz	AV	0.0	38.7	54.0	-15.3	EUT on Side, Low Ch 0
7213.593	22.8	15.7	1.0	149.0	3.0	0.0	Horz	AV	0.0	38.5	54.0	-15.5	EUT Horz, Low Ch 0
7213.653	22.5	15.7	1.0	132.0	3.0	0.0	Vert	AV	0.0	38.2	54.0	-15.8	EUT Horz, Low Ch 0
4959.087	24.9	12.6	1.0	143.0	3.0	0.0	Vert	AV	0.0	37.5	54.0	-16.5	EUT Horz, High Ch 15
7348.387	20.9	16.1	1.2	83.0	3.0	0.0	Horz	AV	0.0	37.0	54.0	-17.0	EUT Horz, Mid Ch 9
7438.647	20.8	16.2	2.3	359.0	3.0	0.0	Horz	AV	0.0	37.0	54.0	-17.0	EUT Horz, High Ch 15

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7438.480	20.8	16.2	3.0	311.0	3.0	0.0	Vert	AV	0.0	37.0	54.0	-17.0	EUT Horz, High Ch 15
7348.060	20.8	16.1	1.0	335.0	3.0	0.0	Vert	AV	0.0	36.9	54.0	-17.1	EUT Horz, Mid Ch 9
4809.067	43.6	12.0	1.0	179.0	3.0	0.0	Vert	PK	0.0	55.6	74.0	-18.4	EUT Horz, Low Ch 0
4808.840	42.7	12.0	1.0	177.0	3.0	0.0	Horz	PK	0.0	54.7	74.0	-19.3	EUT Horz, Low Ch 0
4810.807	42.6	12.0	1.0	123.0	3.0	0.0	Vert	PK	0.0	54.6	74.0	-19.4	EUT Vertical, Low Ch 0
9802.000	44.2	-10.1	1.5	231.0	3.0	0.0	Vert	AV	0.0	34.1	54.0	-19.9	EUT Horz, Mid Ch 9
9922.000	43.6	-10.0	1.4	298.0	3.0	0.0	Vert	AV	0.0	33.6	54.0	-20.4	EUT Horz, High Ch 15
4898.933	41.1	12.3	1.0	164.0	3.0	0.0	Horz	PK	0.0	53.4	74.0	-20.6	EUT Horz, Mid Ch 9
4899.000	40.9	12.3	1.0	113.0	3.0	0.0	Vert	PK	0.0	53.2	74.0	-20.8	EUT Horz, Mid Ch 9
4809.180	41.0	12.0	1.0	213.0	3.0	0.0	Vert	PK	0.0	53.0	74.0	-21.0	EUT on Side, Low Ch 0
4808.960	41.0	12.0	1.0	244.0	3.0	0.0	Horz	PK	0.0	53.0	74.0	-21.0	EUT Vertical, Low Ch 0
9622.044	43.4	-10.4	1.2	359.0	3.0	0.0	Vert	AV	0.0	33.0	54.0	-21.0	EUT Horz, Low Ch 0
7216.447	37.2	15.7	1.0	132.0	3.0	0.0	Vert	PK	0.0	52.9	74.0	-21.1	EUT Horz, Low Ch 0
7214.013	36.8	15.7	1.0	149.0	3.0	0.0	Horz	PK	0.0	52.5	74.0	-21.5	EUT Horz, Low Ch 0
7438.533	36.2	16.2	2.3	359.0	3.0	0.0	Horz	PK	0.0	52.4	74.0	-21.6	EUT Horz, High Ch 15
7350.013	36.0	16.1	1.0	335.0	3.0	0.0	Vert	PK	0.0	52.1	74.0	-21.9	EUT Horz, Mid Ch 9
4959.380	39.4	12.6	1.0	174.0	3.0	0.0	Horz	PK	0.0	52.0	74.0	-22.0	EUT Horz, High Ch 15
7441.007	35.8	16.2	3.0	311.0	3.0	0.0	Vert	PK	0.0	52.0	74.0	-22.0	EUT Horz, High Ch 15
7349.633	35.8	16.1	1.2	83.0	3.0	0.0	Horz	PK	0.0	51.9	74.0	-22.1	EUT Horz, Mid Ch 9
9802.000	41.9	-10.1	1.4	117.0	3.0	0.0	Horz	AV	0.0	31.8	54.0	-22.2	EUT Horz, Mid Ch 9
4811.380	39.4	12.0	1.0	166.0	3.0	0.0	Horz	PK	0.0	51.4	74.0	-22.6	EUT on Side, Low Ch 0
9922.000	40.9	-10.0	1.0	164.0	3.0	0.0	Horz	AV	0.0	30.9	54.0	-23.1	EUT Horz, High Ch 15
4958.933	38.0	12.6	1.0	143.0	3.0	0.0	Vert	PK	0.0	50.6	74.0	-23.4	EUT Horz, High Ch 15
9618.082	40.9	-10.4	1.2	293.0	3.0	0.0	Horz	AV	0.0	30.5	54.0	-23.5	EUT Horz, Low Ch 0
9801.787	54.8	-10.1	1.5	231.0	3.0	0.0	Vert	PK	0.0	44.7	74.0	-29.3	EUT Horz, Mid Ch 9
9622.044	54.4	-10.4	1.2	359.0	3.0	0.0	Vert	PK	0.0	44.0	74.0	-30.0	EUT Horz, Low Ch 0
9921.947	54.0	-10.0	1.4	298.0	3.0	0.0	Vert	PK	0.0	44.0	74.0	-30.0	EUT Horz, High Ch 15
9801.947	53.4	-10.1	1.4	117.0	3.0	0.0	Horz	PK	0.0	43.3	74.0	-30.7	EUT Horz, Mid Ch 9
9921.973	52.6	-10.0	1.0	164.0	3.0	0.0	Horz	PK	0.0	42.6	74.0	-31.4	EUT Horz, High Ch 15
9618.262	52.6	-10.4	1.2	293.0	3.0	0.0	Horz	PK	0.0	42.2	74.0	-31.8	EUT Horz, Low Ch 0