

**FCC PART 15 SUBPART B and C  
TEST REPORT***for***INTEL PLATINUM TRAIL REMOTE 2013****MODEL: URC-3050BC0-R**

Prepared for

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DATE: AUGUST 29, 2013

	REPORT	APPENDICES					TOTAL
	BODY	A	B	C	D	E	
PAGES	16	2	2	2	14	31	67

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## TABLE OF CONTENTS

Section / Title	PAGE
<b>GENERAL REPORT SUMMARY</b>	<b>4</b>
<b>SUMMARY OF TEST RESULTS</b>	<b>4</b>
<b>1. PURPOSE</b>	<b>5</b>
<b>2. ADMINISTRATIVE DATA</b>	<b>6</b>
2.1 Location of Testing	6
2.2 Traceability Statement	6
2.3 Cognizant Personnel	6
2.4 Date Test Sample was Received	6
2.5 Disposition of the Test Sample	6
2.6 Abbreviations and Acronyms	6
<b>3. APPLICABLE DOCUMENTS</b>	<b>7</b>
<b>4. DESCRIPTION OF TEST CONFIGURATION</b>	<b>8</b>
4.1 Description of Test Configuration – Emissions	8
4.1.1 Cable Construction and Termination	8
<b>5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT</b>	<b>9</b>
5.1 EUT and Accessory List	9
5.2 Emissions Test Equipment	10
<b>6. TEST SITE DESCRIPTION</b>	<b>11</b>
6.1 Test Facility Description	11
6.2 EUT Mounting, Bonding and Grounding	11
6.3 Facility Environmental Characteristics	11
<b>7. TEST PROCEDURES</b>	<b>12</b>
7.1 RF Emissions	12
7.1.1 Conducted Emissions Test	12
7.1.2 Radiated Emissions (Spurious and Harmonics) Test	13
7.1.3 RF Emissions Test Results	15
<b>8. CONCLUSIONS</b>	<b>16</b>

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**LIST OF APPENDICES**

APPENDIX	TITLE
A	Laboratory Accreditations and Recognitions
B	Modifications to the EUT
C	Additional Models
D	Diagram, Charts, and Photos <ul style="list-style-type: none"><li>• Test Setup Diagram</li><li>• Antenna and Amplifier Factors</li><li>• Radiated Emissions Photos</li></ul>
E	Data Sheets

**LIST OF FIGURES**

FIGURE	TITLE
1	Conducted Emissions Test Setup
2	Plot Map And Layout of Radiated Test Site

**LIST OF TABLES**

TABLE	TITLE
1.0	Radiated Emission Results

## GENERAL REPORT SUMMARY

Compatible Electronics Inc. generates this electromagnetic emission test report, which is an independent testing and consulting firm. The test report is based on testing performed by Compatible Electronics personnel according to the measurement procedures described in the test specifications given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced without the written permission of Compatible Electronics, unless done so in full.

This report must not be used to claim product endorsement by NVLAP, NIST or any other agency of the U.S. Government.

Device Tested: Intel Platinum Trail Remote 2013  
Model: URC-3050BC0-R  
S/N: N/A

Product Description: See Expository Statement

Modifications: The EUT was not modified in order to meet the specifications.

Manufacturer: Universal Electronics, Inc.  
201 East Sandpointe Avenue, 8<sup>th</sup> Floor  
Santa Ana, California 92707

Test Date(s): August 1 and 30, 2013

Test Specifications: Emissions requirements  
CFR Title 47, Part 15, Subpart B and Subpart C, Sections 15.205, 15.209, and 15.249

Test Procedure: ANSI C63.4

Test Deviations: The test procedure was not deviated from during the testing.

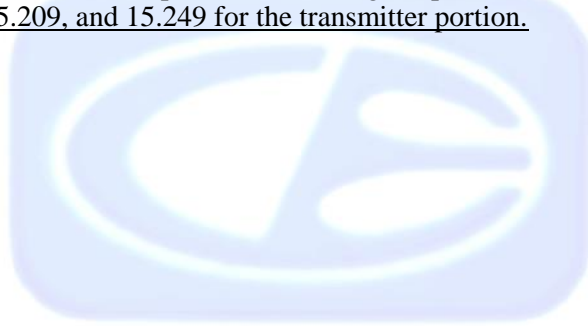
## SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Conducted RF Emissions 150 kHz to 30 MHz	This test was not performed because the EUT operates on battery power and does not connect to the AC mains.
2	Radiated RF Emissions 10 kHz to 25000 MHz (Transmitter and Digital Portion)	Complies with the <b>Class B</b> limits of CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.249.

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**1. PURPOSE**

This document is a qualification test report based on the emissions tests performed on the Intel Platinum Trail Remote 2013, Model: URC-3050BC0-R (EUT). The Emissions measurements were performed according to the measurement procedure described in ANSI C63.4. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the Class B specification limits defined by CFR Title 47, Part 15, Subpart B for the digital portion; and the limits defined in Subpart C, sections 15.205, 15.209, and 15.249 for the transmitter portion.



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## 2. ADMINISTRATIVE DATA

### 2.1 Location of Testing

The Emissions tests described herein were performed at the test facility of Compatible Electronics, 114 Olinda Drive, Brea, California.

### 2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The calibration is traceable to the National Institute of Standards and Technology (NIST).

### 2.3 Cognizant Personnel

Universal Electronics, Inc.

Jesse Mendez Senior Electrical Core Engineer

Compatible Electronics Inc.

Alex Benitez Test Technician

James Ross Test Engineer

Kyle Fujimoto Test Engineer

### 2.4 Date Test Sample was Received

The test sample was received prior to the initial test date of August 13, 2013.

### 2.5 Disposition of the Test Sample

The test sample has not been returned to Universal Electronics, Inc. as of the date of the test report.

### 2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

FCC	Federal Communications Commission
RF	Radio Frequency
EMI	Electromagnetic Interference
EUT	Equipment Under Test
P/N	Part Number
S/N	Serial Number
ITE	Information Technology Equipment
LISN	Line Impedance Stabilization Network
NVLAP	National Voluntary Laboratory Accreditation Program
CFR	Code of Federal Regulations
N/A	Not Applicable
Ltd.	Limited
Inc.	Incorporated
NCR	No Calibration Required
URC	Universal Remote Control

### 3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this Emissions Test Report.

<b>SPEC</b>	<b>TITLE</b>
CFR Title 47, Part 15	FCC Rules – Radio frequency devices (including digital devices)
ANSI C63.4: 2009	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

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#### **4. DESCRIPTION OF TEST CONFIGURATION**

##### **4.1 Description of Test Configuration – Emissions**

The Intel Platinum Trail Remote 2013, Model: URC-3050BC0-R (EUT) was tested as a stand alone unit. The EUT had a special test program that allowed the low, middle, or high channels, to be tested while continuously transmitting. The EUT was tested in three orthogonal axis.

It was determined that the emissions were at their highest level when the EUT was operating in the above configuration. The final emissions data was taken in this mode of operation and any cables were maximized. All initial investigations were performed with the measurement receiver in manual mode scanning the frequency range continuously. Photographs of the test setup are in Appendix D of this report.

##### **4.1.1 Cable Construction and Termination**

There were no external cables connected to the EUT.



**5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT****5.1 EUT and Accessory List**

<b>EQUIPMENT</b>	<b>MANUFACTURER</b>	<b>MODEL NUMBER</b>	<b>SERIAL NUMBER</b>	<b>FCC ID</b>
INTEL PLATINUM TRAIL REMOTE 2013 (EUT)	UNIVERSAL ELECTRONICS, INC.	URC-3050BC0-R	N/A	MG3-3050

## 5.2 Emissions Test Equipment

EQUIPMENT TYPE	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	CALIBRATION DATE	CAL. CYCLE
<b>GENERAL TEST EQUIPMENT USED IN LAB B</b>					
Computer	Compaq	CQ5210F	CNX9360CF9	N/A	N/A
Monitor	Hewlett Packard	HPs2031a	3CQ046N3MD	N/A	N/A
EMI Receiver	Rohde & Schwarz	ESIB40	100194	November 19, 2012	2 Year
<b>GENERAL TEST EQUIPMENT USED IN LAB A</b>					
Spectrum Analyzer – Main Section	Hewlett Packard	8566B	2637A03618	May 30, 2013	1 Year
Spectrum Analyzer – Display Section	Hewlett Packard	85662A	2648A13404	May 30, 2013	1 Year
Quasi-Peak Adapter	Hewlett Packard	85650A	2811A01363	May 30, 2013	1 Year
Monitor	Hewlett Packard	D5258A	TW74500641	N/A	N/A
Computer	Hewlett Packard	4530	US91912319	N/A	N/A
<b>RF RADIATED EMISSIONS TEST EQUIPMENT</b>					
CombiLog Antenna	Com-Power	AC-220	61060	May 29, 2013	1 Year
Preamplifier	Com-Power	PA-103	1582	December 28, 2012	1 Year
Preamplifier	Com-Power	PA-118	181656	December 27, 2012	1 Year
Preamplifier	Com-Power	PA-840	711013	May 17, 2012	2 Year
Loop Antenna	Com-Power	AL-130	17089	January 29, 2013	2 Year
Horn Antenna	Com-Power	AH-118	071175	February 29, 2012	2 Year
Horn Antenna	Com-Power	AH-826	0071957	N/A	N/A
Antenna Mast	Com Power	AM-100	N/A	N/A	N/A

**6. TEST SITE DESCRIPTION****6.1 Test Facility Description**

Please refer to section 2.1 and 7.1.2 of this report for Emissions test location.

**6.2 EUT Mounting, Bonding and Grounding**

The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane.

The EUT was not grounded.

**6.3 Facility Environmental Characteristics**

When applicable refer to the data sheets in Appendix E for the relative humidity, air temperature, and barometric pressure.

## 7. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests. Test results are also included in this section.

### 7.1 RF Emissions

#### 7.1.1 Conducted Emissions Test

The measurement receiver was used as a measuring meter. The data was collected with the measurement receiver in the peak detect mode with the "Max Hold" feature activated. The quasi-peak was used only where indicated in the data sheets. A transient limiter was used for the protection of the measurement receiver's input stage, and the offset was adjusted accordingly to read the actual data measured. The LISN output was measured using the measurement receiver. The output of the second LISN was terminated by a 50-ohm termination. The effective measurement bandwidth used for this test was 9 kHz.

Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The EUT was powered through the LISN, which was bonded to the ground plane. The LISN power was filtered and the filter was bonded to the ground plane. The EUT was set up with the minimum distances from any conductive surfaces as specified in ANSI C63.4. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The conducted emissions from the EUT were maximized for operating mode as well as cable placement. The final data was collected under program control by the Compatible Electronics conducted emissions software in several overlapping sweeps by running the spectrum analyzer at a minimum scan rate of 10 seconds per octave. The final qualification data is located in Appendix E.

#### **Test Results:**

This test was not performed because the EUT operates on battery power and does not connect to the AC mains.

## 7.1.2 Radiated Emissions (Spurious and Harmonics) Test

The spectrum analyzer, along with the quasi-peak adapter, and EMI Receiver were used as a measuring meter. Amplifiers were used to increase the sensitivity of the instrument. The Com-Power Preamplifier Model: PA-103 was used for frequencies from 30 MHz to 1 GHz, the Com-Power Microwave Preamplifier Model: PA-118 was used for frequencies from 1 GHz to 18 GHz, and the Com-Power Microwave Preamplifier Model: PA-840 were used for frequencies above 18 GHz. The spectrum analyzer and EMI Receiver were used in the peak detect mode with the "Max Hold" feature activated. In this mode, the spectrum analyzer and EMI receiver records the highest measured reading over the sweeps.

The quasi-peak function was used only for those readings which are marked accordingly on the data sheets.

The frequencies above 1 GHz were adjusted by a "duty cycle correction factor", derived from  $20 \log(\text{dwell time} / 100 \text{ ms})$ .

The measurement bandwidths and transducers used for the radiated emissions test were:

FREQUENCY RANGE	EFFECTIVE MEASUREMENT BANDWIDTH	TRANSDUCER
10 kHz to 150 kHz	200 Hz	Active Loop Antenna
150 kHz to 30 MHz	9 kHz	Active Loop Antenna
30 MHz to 1000 MHz	120 kHz	CombiLog Antenna
1 GHz to 25 GHz	1 MHz	Horn Antennas

The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT by the Radiated Emission Manual Test software. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength). The gun sight method was used when measuring with the horn antenna in order to ensure accurate results. The loop antenna was also rotated in the vertical axis in order to ensure accurate results.

**Radiated Emissions (Spurious and Harmonics) Test (continued)**

The presence of ambient signals was verified by turning the EUT off. In case an ambient signal was detected, the measurement bandwidth was reduced temporarily and verification was made that an additional adjacent peak did not exist. This ensures that the ambient signal does not hide any emissions from the EUT. The EUT was tested at a 3-meter test distance from 30 MHz to 25 GHz and at a 10-meter distance from 10 kHz to 30 MHz to obtain the final test data.

**Test Results:**

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, Sections 15.209 and 15.249.



### 7.1.3 RF Emissions Test Results

Table 1.0 RADIATED EMISSION RESULTS  
Intel Platinum Trail Remote 2013, Model: URC-3050BC0-R

Frequency MHz	Corrected Reading* dBuV	Specification Limit dBuV	Delta (Cor. Reading – Spec. Limit) dB
4884 (H) (Z-Axis)	46.60 (A)	54	-7.40
4960 (H) (Z-Axis)	45.99 (A)	54	-8.01
4884 (H) (X-Axis)	44.86 (A)	54	-9.14
4804 (H) (Z-Axis)	44.74 (A)	54	-9.26
4884 (V) (Y-Axis)	44.42 (A)	54	-9.58
4804 (H) (X-Axis)	43.82 (A)	54	-10.18

Notes:

- \* The complete emissions data is given in Appendix E of this report.
- (H) Horizontal
- (V) Vertical
- (A) Average

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**8. CONCLUSIONS**

The Intel Platinum Trail Remote 2013, Model: URC-3050BC0-R (EUT), as tested, meets all of the Class B specification limits defined in CFR Title 47, Part 15, Subpart B for the digital portion; and the limits defined in Subpart C, sections 15.205, 15.209, and 15.249 for the transmitter portion.







**APPENDIX A**

***LABORATORY ACCREDITATIONS AND RECOGNITIONS***

---

**Brea Division**  
114 Olinda Drive  
Brea, CA 92823  
(714) 579-0500

**Agoura Division**  
2337 Troutdale Drive  
Agoura, CA 91301  
(818) 597-0600

**Silverado Division**  
19121 El Toro Road  
Silverado, CA 92676  
(949) 589-0700

**Lake Forest Division**  
20621 Pascal Way  
Lake Forest, CA 92630  
(949) 587-0400

## LABORATORY ACCREDITATIONS AND RECOGNITIONS

NVLAP LAB CODES 200063-0,  
200528-0, 200527-0

For US, Canada, Australia/New Zealand, Japan, Taiwan, Korea, and the European Union, Compatible Electronics is currently accredited by NVLAP to ISO/IEC 17025. Please follow the link to the NIST/NVLAP site for each of our facilities' NVLAP certificate and scope of accreditation

**NVLAP listing links**[Agoura Division](#) / [Brea Division](#) / [Silverado/Lake Forest Division](#)

.Quote from ISO-ILAC-IAF Communiqué on 17025:

"A laboratory's fulfillment of the requirements of ISO/IEC 17025:2005 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025:2005 (Section 4) are written in language relevant to laboratory operations and meet the principles of ISO 9001:2008 Quality Management Systems — Requirements."

ANSI listing [CETCB](#)

Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for EMC under the US/EU Mutual Recognition Agreement (MRA).

US/EU MRA list [NIST MRA site](#)

Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for Taiwan/BSMI under the US/APEC (Asia-Pacific Economic Cooperation) Mutual Recognition Agreement (MRA).

APEC MRA list [NIST MRA site](#)

We are also listed for IT products by the following country/agency:

VCCI Support member: Please visit [http://www.vcci.jp/vcci\\_e/](http://www.vcci.jp/vcci_e/)

FCC Listing, from FCC OET site

[FCC test lab search](https://fjallfoss.fcc.gov/oetcf/eas/reports/TestFirmSearch.cfm) <https://fjallfoss.fcc.gov/oetcf/eas/reports/TestFirmSearch.cfm>

Compatible Electronics IC listing can be found at:

<http://www.ic.gc.ca/eic/site/ic1.nsf/eng/home>

**APPENDIX B**

***MODIFICATIONS TO THE EUT***

## MODIFICATIONS TO THE EUT

The modifications listed below were made to the EUT to pass FCC 15.249 and/or FCC **Class B** specifications.

All the rework described below was implemented during the test in a method that could be reproduced in all the units by the manufacturer.

No modifications were made to the EUT during the testing.



**APPENDIX C**

***ADDITIONAL MODELS***

## ADDITIONAL MODELS COVERED UNDER THIS REPORT

### USED FOR THE PRIMARY TEST

Intel Platinum Trail Remote 2013  
Model: URC-3050BC0-R  
S/N: N/A

### ADDITIONAL MODELS COVERED:

The following models are considered by the manufacturer to be similar to the sample tested, however the test results contained in this report relate only to the sample tested.

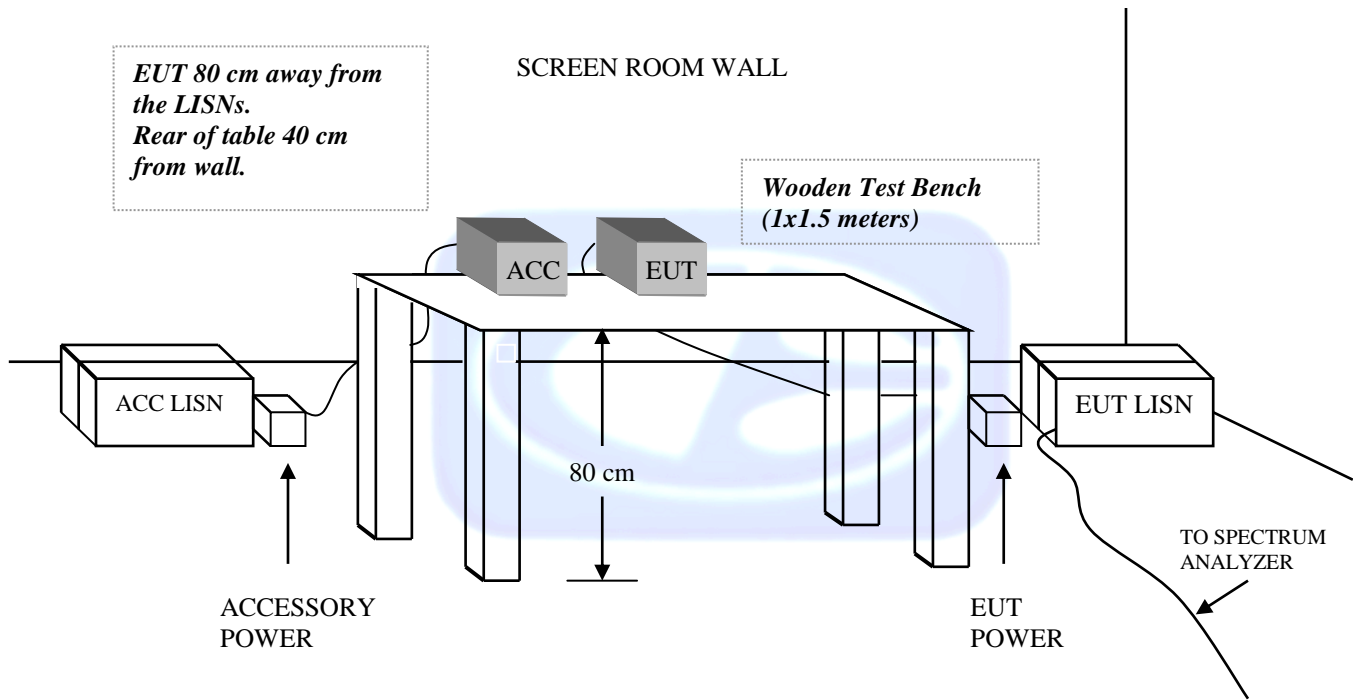
There were no additional models covered under this test report.



**APPENDIX D**

***DIAGRAMS, CHARTS, AND PHOTOS***

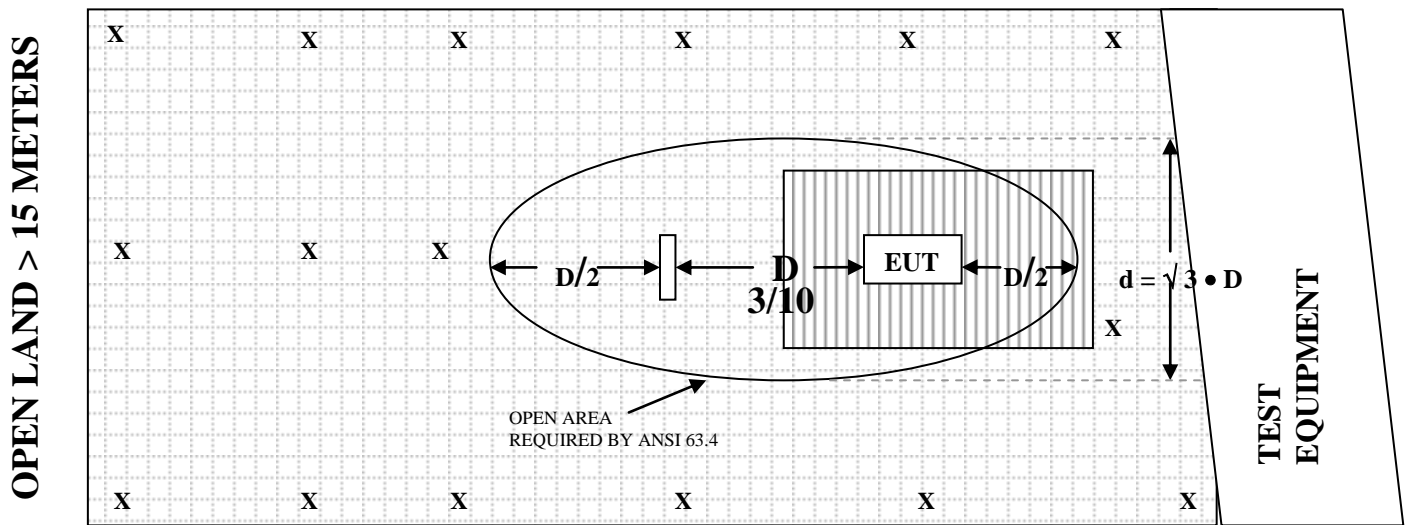
**FIGURE 1: CONDUCTED EMISSIONS TEST SETUP**





**FIGURE 2: PLOT MAP AND LAYOUT OF THE RADIATED TEST SITE**

**OPEN LAND > 15 METERS**



**OPEN LAND > 15 METERS**

- |   |                          |  |                 |
|---|--------------------------|--|-----------------|
| X | = GROUND RODS            |  | = GROUND SCREEN |
| D | = TEST DISTANCE (meters) |  | = WOOD COVER    |

**COM-POWER AL-130****LOOP ANTENNA**

S/N: 17089

CALIBRATION DATE: JANUARY 29, 2013

<b>FREQUENCY (MHz)</b>	<b>MAGNETIC (dB/m)</b>	<b>ELECTRIC (dB/m)</b>
0.009	-42.5	9
0.01	-42.3	9.2
0.02	-42.1	9.4
0.03	-41.4	10.1
0.04	-41.8	9.7
0.05	-42.4	9.1
0.06	-42.3	9.2
0.07	-42.5	9
0.08	-42.4	9.1
0.09	-42.5	9
0.1	-42.5	9
0.2	-42.7	8.8
0.3	-42.6	8.9
0.4	-42.5	9
0.5	-42.7	8.8
0.6	-42.7	8.8
0.7	-42.5	9
0.8	-42.3	9.2
0.9	-42.2	9.3
1	-42.2	9.3
2	-41.8	9.7
3	-41.7	9.8
4	-41.7	9.8
5	-41.5	10
6	-41.6	9.9
7	-41.4	10.1
8	-41	10.5
9	-40.8	10.7
10	-41.3	10.2
15	-41.4	10.1
20	-41.2	10.3
25	-42.6	8.9
30	-41.7	9.8

**COM-POWER AC-220****COMBILOG ANTENNA****S/N: 61060****CALIBRATION DATE: MAY 29, 2013**

<b>FREQUENCY (MHz)</b>	<b>FACTOR (dB)</b>	<b>FREQUENCY (MHz)</b>	<b>FACTOR (dB)</b>
30	19.40	200	9.10
35	19.10	250	11.40
40	19.70	300	11.90
45	18.00	350	14.20
50	16.80	400	15.20
60	12.50	450	16.50
70	7.30	500	17.10
80	4.40	550	16.20
90	8.00	600	17.70
100	8.80	650	19.10
120	10.50	700	20.00
125	10.60	750	21.50
140	8.60	800	21.50
150	11.20	850	21.70
160	8.90	900	22.70
175	9.60	950	22.10
180	8.50	1000	22.90

**COM POWER AH-118****HORN ANTENNA**

S/N: 071175

CALIBRATION DATE: FEBRUARY 29, 2012

<b>FREQUENCY (GHz)</b>	<b>FACTOR (dB)</b>	<b>FREQUENCY (GHz)</b>	<b>FACTOR (dB)</b>
1.0	23.6	10.0	37.7
1.5	22.0	10.5	38.4
2.0	28.7	11.0	38.0
2.5	29.3	11.5	38.2
3.0	30.6	12.0	39.0
3.5	30.4	12.5	42.4
4.0	31.1	13.0	40.8
4.5	33.4	13.5	40.0
5.0	35.3	14.0	39.7
5.5	35.1	14.5	43.5
6.0	36.9	15.0	42.7
6.5	37.4	15.5	39.7
7.0	37.6	16.0	39.2
7.5	36.2	16.5	39.7
8.0	38.4	17.0	42.2
8.5	39.3	17.5	47.6
9.0	37.4	18.0	51.2
9.5	38.0		

**COM-POWER AH826****HORN ANTENNA**

S/N: 71957

<b>FREQUENCY (GHz)</b>	<b>FACTOR (dB)</b>	<b>FREQUENCY (GHz)</b>	<b>FACTOR (dB)</b>
18.0	33.5	22.5	35.5
18.5	33.5	23.0	35.9
19.0	34.0	23.5	35.7
19.5	34.0	24.0	35.6
20.0	34.3	24.5	36.0
20.5	34.9	25.0	36.2
21.0	34.7	25.5	36.1
21.5	35.0	26.0	36.2
22.0	35.0	26.5	35.7

**COM-POWER PA-103****PREAMPLIFIER**

S/N: 1582

CALIBRATION DATE: DECEMBER 28, 2012

<b>FREQUENCY (MHz)</b>	<b>FACTOR (dB)</b>	<b>FREQUENCY (MHz)</b>	<b>FACTOR (dB)</b>
30	32.80	300	32.26
40	33.10	350	32.23
50	33.10	400	32.17
60	33.10	450	32.16
70	33.00	500	32.11
80	33.00	550	32.07
90	33.10	600	32.02
100	33.00	650	31.97
125	33.00	700	31.87
150	33.00	750	31.81
175	32.90	800	31.73
200	32.80	850	31.57
225	32.34	900	31.43
250	32.32	950	31.29
275	32.28	1000	31.14

**COM-POWER PA-118****PREAMPLIFIER**

S/N: 181656

CALIBRATION DATE: DECEMBER 27, 2012

<b>FREQUENCY (GHz)</b>	<b>FACTOR (dB)</b>	<b>FREQUENCY (GHz)</b>	<b>FACTOR (dB)</b>
0.50	25.29	6.00	25.75
0.60	25.26	6.50	25.28
0.70	25.23	7.00	24.83
0.80	25.13	7.50	24.49
0.90	24.91	8.00	24.38
1.00	24.68	8.50	25.06
1.25	25.85	9.00	25.55
1.50	26.23	9.50	25.32
1.75	26.42	10.0	25.25
2.00	26.48	10.5	25.31
2.25	26.55	11.0	24.99
2.50	26.59	11.5	24.84
2.75	26.64	12.0	25.08
3.00	26.67	12.5	24.64
3.25	26.67	13.0	24.44
3.50	26.66	13.5	24.85
3.75	26.58	14.0	25.02
4.00	26.82	14.5	25.41
4.25	26.60	15.0	26.12
4.50	26.46	15.5	26.74
4.75	26.36	16.0	25.67
5.00	26.22	16.5	24.48
5.25	26.11	17.0	24.33
5.50	25.98	17.5	25.19
5.75	25.90	18.0	26.75

**COM-POWER PA-840****MICROWAVE PREAMPLIFIER**

S/N: 711013

CALIBRATION DATE: MAY 17, 2012

<b>FREQUENCY (GHz)</b>	<b>FACTOR (dB)</b>	<b>FREQUENCY (GHz)</b>	<b>FACTOR (dB)</b>
18.0	25.81	31.0	25.77
19.0	24.57	31.5	25.36
20.0	23.46	32.0	25.15
21.0	22.51	32.5	25.13
22.0	23.85	33.0	25.52
23.0	23.31	33.5	25.24
24.0	24.44	34.0	25.08
25.0	25.42	34.5	25.27
26.0	25.71	35.0	23.99
26.5	25.66	35.5	24.67
27.0	25.84	36.5	24.80
27.5	25.29	37.0	26.27
28.0	25.46	37.5	24.86
28.5	25.58	38.0	24.64
29.0	26.16	38.5	23.46
29.5	26.14	39.0	21.29
30.0	26.01	39.5	20.83
30.5	25.67	40.0	19.96





**(30 MHz – 1000 MHz)**

**FRONT VIEW**

UNIVERSAL ELECTRONICS, INC.  
INTEL PLATINUM TRAIL REMOTE 2013  
MODEL: URC-3050BC0-R  
FCC SUBPART B AND C – RADIATED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



**(30 MHz – 1000 MHz)**

**REAR VIEW**

UNIVERSAL ELECTRONICS, INC.  
INTEL PLATINUM TRAIL REMOTE 2013  
MODEL: URC-3050BC0-R  
FCC SUBPART B AND C – RADIATED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



**(ABOVE 1 GHz)**

**FRONT VIEW**

UNIVERSAL ELECTRONICS, INC.  
INTEL PLATINUM TRAIL REMOTE 2013  
MODEL: URC-3050BC0-R  
FCC SUBPART B AND C – RADIATED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**

**Brea Division**  
114 Olinda Drive  
Brea, CA 92823  
(714) 579-0500

**Agoura Division**  
2337 Troutdale Drive  
Agoura, CA 91301  
(818) 597-0600

**Silverado Division**  
19121 El Toro Road  
Silverado, CA 92676  
(949) 589-0700

**Lake Forest Division**  
20621 Pascal Way  
Lake Forest, CA 92630  
(949) 587-0400

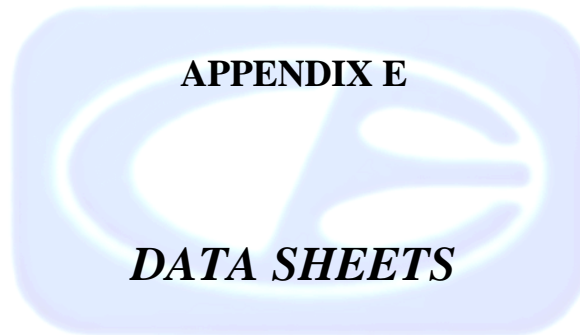


**(ABOVE 1 GHz)**

**REAR VIEW**

UNIVERSAL ELECTRONICS, INC.  
INTEL PLATINUM TRAIL REMOTE 2013  
MODEL: URC-3050BC0-R  
FCC SUBPART B AND C – RADIATED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION  
FOR MAXIMUM EMISSIONS**



***RADIATED EMISSIONS***

***DATA SHEETS***

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Low Channel**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	76.65	V	114	-37.35	Peak	2.5	60	X-Axis
2402	56.65	V	94	-37.35	Avg	2.5	60	Vertical Polarization
2402	83.37	H	114	-30.63	Peak	1.5	300	X-Axis
2402	63.37	H	94	-30.63	Avg	1.5	300	Horizontal Polarization
2402	81.81	V	114	-32.19	Peak	1.5	270	Y-Axis
2402	61.81	V	94	-32.19	Avg	1.5	270	Vertical Polarization
2402	82.26	H	114	-31.74	Peak	1.75	160	Y-Axis
2402	62.26	H	94	-31.74	Avg	1.75	160	Horizontal Polarization
2402	81.02	V	114	-32.98	Peak	1.5	0	Z-Axis
2402	61.02	V	94	-32.98	Avg	1.5	0	Vertical Polarization
2402	80.49	H	114	-33.51	Peak	1.25	140	Z-Axis
2402	60.49	H	94	-33.51	Avg	1.25	140	Horizontal Polarization

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Middle Channel**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2442	83	V	114	-31	Peak	2	90	X-Axis
2442	63	V	94	-31	Avg	2	90	Vertical Polarization
2442	86.34	H	114	-27.66	Peak	1.5	300	X-Axis
2442	66.34	H	94	-27.66	Avg	1.5	300	Horizontal Polarization
2442	85.34	V	114	-28.66	Peak	1.75	270	Y-Axis
2442	65.34	V	94	-28.66	Avg	1.75	270	Vertical Polarization
2442	85.63	H	114	-28.37	Peak	1.75	0	Y-Axis
2442	65.63	H	94	-28.37	Avg	1.75	0	Horizontal Polarization
2442	85	V	114	-29	Peak	1.75	0	Z-Axis
2442	65	V	94	-29	Avg	1.75	0	Vertical Polarization
2442	83.31	H	114	-30.69	Peak	2	120	Z-Axis
2442	63.31	H	94	-30.69	Avg	2	120	Horizontal Polarization



**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**High Channel**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	81.68	V	114	-32.32	Peak	2	90	X-Axis
2480	61.68	V	94	-32.32	Avg	2	90	Vertical Polarization
2480	85.26	H	114	-28.74	Peak	1.5	300	X-Axis
2480	65.26	H	94	-28.74	Avg	1.5	300	Horizontal Polarization
2480	83.47	V	114	-30.53	Peak	1.5	270	Y-Axis
2480	63.47	V	94	-30.53	Avg	1.5	270	Vertical Polarization
2480	85.1	H	114	-28.9	Peak	1.5	0	Y-Axis
2480	65.1	H	94	-28.9	Avg	1.5	0	Horizontal Polarization
2480	84.16	V	114	-29.84	Peak	2	0	Z-Axis
2480	64.16	V	94	-29.84	Avg	2	0	Vertical Polarization
2480	84.1	H	114	-29.9	Peak	1.75	120	Z-Axis
2480	64.1	H	94	-29.9	Avg	1.75	120	Horizontal Polarization

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Low Channel  
 Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804	61.74	V	74	-12.26	Peak	1	140	
4804	41.74	V	54	-12.26	Avg	1	140	
7206		V			Peak			No Emissions
7206		V			Avg			Detected
9608		V			Peak			No Emissions
9608		V			Avg			Detected
12010		V			Peak			No Emissions
12010		V			Avg			Detected
14412		V			Peak			No Emissions
14412		V			Avg			Detected
16814		V			Peak			No Emissions
16814		V			Avg			Detected
19216		V			Peak			No Emissions
19216		V			Avg			Detected
21618		V			Peak			No Emissions
21618		V			Avg			Detected
24020		V			Peak			No Emissions
24020		V			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Low Channel  
 Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804	63.22	V	74	-10.78	Peak	1.5	110	
4804	43.22	V	54	-10.78	Avg	1.5	110	
7206		V			Peak			No Emissions
7206		V			Avg			Detected
9608		V			Peak			No Emissions
9608		V			Avg			Detected
12010		V			Peak			No Emissions
12010		V			Avg			Detected
14412		V			Peak			No Emissions
14412		V			Avg			Detected
16814		V			Peak			No Emissions
16814		V			Avg			Detected
19216		V			Peak			No Emissions
19216		V			Avg			Detected
21618		V			Peak			No Emissions
21618		V			Avg			Detected
24020		V			Peak			No Emissions
24020		V			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Low Channel  
 Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804	60.41	V	74	-13.59	Peak	1.5	270	
4804	40.41	V	54	-13.59	Avg	1.5	270	
7206		V			Peak			No Emissions
7206		V			Avg			Detected
9608		V			Peak			No Emissions
9608		V			Avg			Detected
12010		V			Peak			No Emissions
12010		V			Avg			Detected
14412		V			Peak			No Emissions
14412		V			Avg			Detected
16814		V			Peak			No Emissions
16814		V			Avg			Detected
19216		V			Peak			No Emissions
19216		V			Avg			Detected
21618		V			Peak			No Emissions
21618		V			Avg			Detected
24020		V			Peak			No Emissions
24020		V			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Low Channel  
 Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804	63.82	H	74	-10.18	Peak	1.75	70	
4804	43.82	H	54	-10.18	Avg	1.75	70	
7206		H			Peak			No Emissions
7206		H			Avg			Detected
9608		H			Peak			No Emissions
9608		H			Avg			Detected
12010		H			Peak			No Emissions
12010		H			Avg			Detected
14412		H			Peak			No Emissions
14412		H			Avg			Detected
16814		H			Peak			No Emissions
16814		H			Avg			Detected
19216		H			Peak			No Emissions
19216		H			Avg			Detected
21618		H			Peak			No Emissions
21618		H			Avg			Detected
24020		H			Peak			No Emissions
24020		H			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Low Channel  
 Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804	61.36	H	74	-12.64	Peak	1.75	60	
4804	41.36	H	54	-12.64	Avg	1.75	60	
7206		H			Peak			No Emissions
7206		H			Avg			Detected
9608		H			Peak			No Emissions
9608		H			Avg			Detected
12010		H			Peak			No Emissions
12010		H			Avg			Detected
14412		H			Peak			No Emissions
14412		H			Avg			Detected
16814		H			Peak			No Emissions
16814		H			Avg			Detected
19216		H			Peak			No Emissions
19216		H			Avg			Detected
21618		H			Peak			No Emissions
21618		H			Avg			Detected
24020		H			Peak			No Emissions
24020		H			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Low Channel  
 Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4804	64.74	H	74	-9.26	Peak	1.75	340	
4804	44.74	H	54	-9.26	Avg	1.75	340	
7206		H			Peak			No Emissions
7206		H			Avg			Detected
9608		H			Peak			No Emissions
9608		H			Avg			Detected
12010		H			Peak			No Emissions
12010		H			Avg			Detected
14412		H			Peak			No Emissions
14412		H			Avg			Detected
16814		H			Peak			No Emissions
16814		H			Avg			Detected
19216		H			Peak			No Emissions
19216		H			Avg			Detected
21618		H			Peak			No Emissions
21618		H			Avg			Detected
24020		H			Peak			No Emissions
24020		H			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Middle Channel  
 Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4884	61.72	V	74	-12.28	Peak	1.5	60	
4884	41.72	V	54	-12.28	Avg	1.5	60	
7326		V			Peak			No Emissions
7326		V			Avg			Detected
9768		V			Peak			No Emissions
9768		V			Avg			Detected
12210		V			Peak			No Emissions
12210		V			Avg			Detected
14652		V			Peak			No Emissions
14652		V			Avg			Detected
17094		V			Peak			No Emissions
17094		V			Avg			Detected
19536		V			Peak			No Emissions
19536		V			Avg			Detected
21978		V			Peak			No Emissions
21978		V			Avg			Detected
24420		V			Peak			No Emissions
24420		V			Avg			Detected



**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Middle Channel  
 Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4884	64.42	V	74	-9.58	Peak	1.75	90	
4884	44.42	V	54	-9.58	Avg	1.75	90	
7326		V			Peak			No Emissions
7326		V			Avg			Detected
9768		V			Peak			No Emissions
9768		V			Avg			Detected
12210		V			Peak			No Emissions
12210		V			Avg			Detected
14652		V			Peak			No Emissions
14652		V			Avg			Detected
17094		V			Peak			No Emissions
17094		V			Avg			Detected
19536		V			Peak			No Emissions
19536		V			Avg			Detected
21978		V			Peak			No Emissions
21978		V			Avg			Detected
24420		V			Peak			No Emissions
24420		V			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Middle Channel  
 Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4884	60.92	V	74	-13.08	Peak	1.75	110	
4884	40.92	V	54	-13.08	Avg	1.75	110	
7326		V			Peak			No Emissions
7326		V			Avg			Detected
9768		V			Peak			No Emissions
9768		V			Avg			Detected
12210		V			Peak			No Emissions
12210		V			Avg			Detected
14652		V			Peak			No Emissions
14652		V			Avg			Detected
17094		V			Peak			No Emissions
17094		V			Avg			Detected
19536		V			Peak			No Emissions
19536		V			Avg			Detected
21978		V			Peak			No Emissions
21978		V			Avg			Detected
24420		V			Peak			No Emissions
24420		V			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Middle Channel  
 Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4884	64.86	H	74	-9.14	Peak	1.5	60	
4884	44.86	H	54	-9.14	Avg	1.5	60	
7326		H			Peak			No Emissions
7326		H			Avg			Detected
9768		H			Peak			No Emissions
9768		H			Avg			Detected
12210		H			Peak			No Emissions
12210		H			Avg			Detected
14652		H			Peak			No Emissions
14652		H			Avg			Detected
17094		H			Peak			No Emissions
17094		H			Avg			Detected
19536		H			Peak			No Emissions
19536		H			Avg			Detected
21978		H			Peak			No Emissions
21978		H			Avg			Detected
24420		H			Peak			No Emissions
24420		H			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Middle Channel  
 Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4884	62.75	H	74	-11.25	Peak	1.75	320	
4884	42.75	H	54	-11.25	Avg	1.75	320	
7326		H			Peak			No Emissions
7326		H			Avg			Detected
9768		H			Peak			No Emissions
9768		H			Avg			Detected
12210		H			Peak			No Emissions
12210		H			Avg			Detected
14652		H			Peak			No Emissions
14652		H			Avg			Detected
17094		H			Peak			No Emissions
17094		H			Avg			Detected
19536		H			Peak			No Emissions
19536		H			Avg			Detected
21978		H			Peak			No Emissions
21978		H			Avg			Detected
24420		H			Peak			No Emissions
24420		H			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Middle Channel  
 Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4884	66.6	H	74	-7.4	Peak	1.5	340	
4884	46.6	H	54	-7.4	Avg	1.5	340	
7326		H			Peak			No Emissions
7326		H			Avg			Detected
9768		H			Peak			No Emissions
9768		H			Avg			Detected
12210		H			Peak			No Emissions
12210		H			Avg			Detected
14652		H			Peak			No Emissions
14652		H			Avg			Detected
17094		H			Peak			No Emissions
17094		H			Avg			Detected
19536		H			Peak			No Emissions
19536		H			Avg			Detected
21978		H			Peak			No Emissions
21978		H			Avg			Detected
24420		H			Peak			No Emissions
24420		H			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**High Channel  
 Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4960	60.65	V	74	-13.35	Peak	2	100	
4960	40.65	V	54	-13.35	Avg	2	100	
7440		V			Peak			No Emissions
7440		V			Avg			Detected
9920		V			Peak			No Emissions
9920		V			Avg			Detected
12400		V			Peak			No Emissions
12400		V			Avg			Detected
14880		V			Peak			No Emissions
14880		V			Avg			Detected
17360		V			Peak			No Emissions
17360		V			Avg			Detected
19840		V			Peak			No Emissions
19840		V			Avg			Detected
22320		V			Peak			No Emissions
22320		V			Avg			Detected
24800		V			Peak			No Emissions
24800		V			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**High Channel  
 Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4960	63.8	V	74	-10.2	Peak	1.5	0	
4960	43.8	V	54	-10.2	Avg	1.5	0	
7440		V			Peak			No Emissions
7440		V			Avg			Detected
9920		V			Peak			No Emissions
9920		V			Avg			Detected
12400		V			Peak			No Emissions
12400		V			Avg			Detected
14880		V			Peak			No Emissions
14880		V			Avg			Detected
17360		V			Peak			No Emissions
17360		V			Avg			Detected
19840		V			Peak			No Emissions
19840		V			Avg			Detected
22320		V			Peak			No Emissions
22320		V			Avg			Detected
24800		V			Peak			No Emissions
24800		V			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**High Channel  
 Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4960	61.13	V	74	-12.87	Peak	1.75	90	
4960	41.13	V	54	-12.87	Avg	1.75	90	
7440		V			Peak			No Emissions
7440		V			Avg			Detected
9920		V			Peak			No Emissions
9920		V			Avg			Detected
12400		V			Peak			No Emissions
12400		V			Avg			Detected
14880		V			Peak			No Emissions
14880		V			Avg			Detected
17360		V			Peak			No Emissions
17360		V			Avg			Detected
19840		V			Peak			No Emissions
19840		V			Avg			Detected
22320		V			Peak			No Emissions
22320		V			Avg			Detected
24800		V			Peak			No Emissions
24800		V			Avg			Detected



**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**High Channel  
 Transmit Mode - X-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4960	62.22	H	74	-11.78	Peak	1.75	290	
4960	42.22	H	54	-11.78	Avg	1.75	290	
7440		H			Peak			No Emissions
7440		H			Avg			Detected
9920		H			Peak			No Emissions
9920		H			Avg			Detected
12400		H			Peak			No Emissions
12400		H			Avg			Detected
14880		H			Peak			No Emissions
14880		H			Avg			Detected
17360		H			Peak			No Emissions
17360		H			Avg			Detected
19840		H			Peak			No Emissions
19840		H			Avg			Detected
22320		H			Peak			No Emissions
22320		H			Avg			Detected
24800		H			Peak			No Emissions
24800		H			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**High Channel  
 Transmit Mode - Y-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4960	61.32	H	74	-12.68	Peak	1.5	70	
4960	41.32	H	54	-12.68	Avg	1.5	70	
7440		H			Peak			No Emissions
7440		H			Avg			Detected
9920		H			Peak			No Emissions
9920		H			Avg			Detected
12400		H			Peak			No Emissions
12400		H			Avg			Detected
14880		H			Peak			No Emissions
14880		H			Avg			Detected
17360		H			Peak			No Emissions
17360		H			Avg			Detected
19840		H			Peak			No Emissions
19840		H			Avg			Detected
22320		H			Peak			No Emissions
22320		H			Avg			Detected
24800		H			Peak			No Emissions
24800		H			Avg			Detected

**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**High Channel  
 Transmit Mode - Z-Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
4960	65.99	H	74	-8.01	Peak	1.5	310	
4960	45.99	H	54	-8.01	Avg	1.5	310	
7440		H			Peak			No Emissions
7440		H			Avg			Detected
9920		H			Peak			No Emissions
9920		H			Avg			Detected
12400		H			Peak			No Emissions
12400		H			Avg			Detected
14880		H			Peak			No Emissions
14880		H			Avg			Detected
17360		H			Peak			No Emissions
17360		H			Avg			Detected
19840		H			Peak			No Emissions
19840		H			Avg			Detected
22320		H			Peak			No Emissions
22320		H			Avg			Detected
24800		H			Peak			No Emissions
24800		H			Avg			Detected

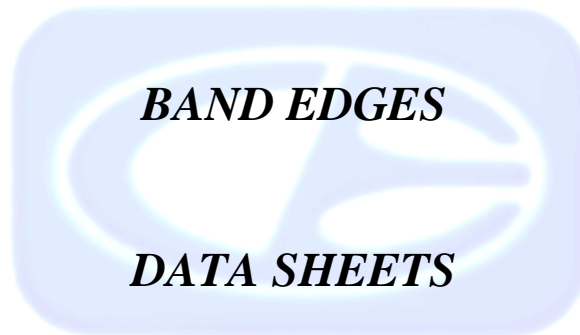
**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

**Non Harmonic Emissions from the Tx and Digital Portion -- 10 kHz to 25000 MHz**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Found for the Digital Portion from 10 kHz to 25000 MHz for both Vertical and Horizontal Polarizations
								No Non Harmonic Emissions Found for the Tx Mode from 10 kHz to 25000 MHz for both Vertical and Horizontal Polarizations
								Investigated in X, Y and Z Axis



**FCC 15.249**

Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

Low Channel - 2402 MHz  
 Middle Channel - 2442 MHz  
 High Channel - 2480 MHz

Y-Axis (Worst Case) - Low Channel  
 Y-Axis (Worst Case) - Middle Channel  
 Z-Axis (Worst Case) - High Channel

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	81.81	V	114	-32.19	Peak	1.5	270	Fundamental of Low Channel @ 3 meters
2402	61.81	V	94	-32.19	Avg	1.5	270	
2400	60.54	V	74	-13.46	Peak	1.5	270	<b>No</b> Marker Delta Method Method Used
2400	40.54	V	54	-13.46	Peak	1.5	270	
2442	85.34	V	114	-28.66	Peak	1.75	270	Fundamental of Middle Channel @ 3 meters
2442	65.34	V	94	-28.66	Avg	1.75	270	
2480	84.16	V	114	-29.84	Peak	2	0	Fundamental of High Channel @ 3 meters
2480	64.16	V	94	-29.84	Avg	2	0	
2483.5	50.03	V	54	-3.97	Peak	2	0	<b>No</b> Marker Delta Method Method Used
2483.5	30.03	V	54	-23.97	Avg	2	0	

**FCC 15.249**


Universal Electronics, Inc.  
 Intel Platinum Trail Remote 2013  
 Model: URC-3050BC0-R

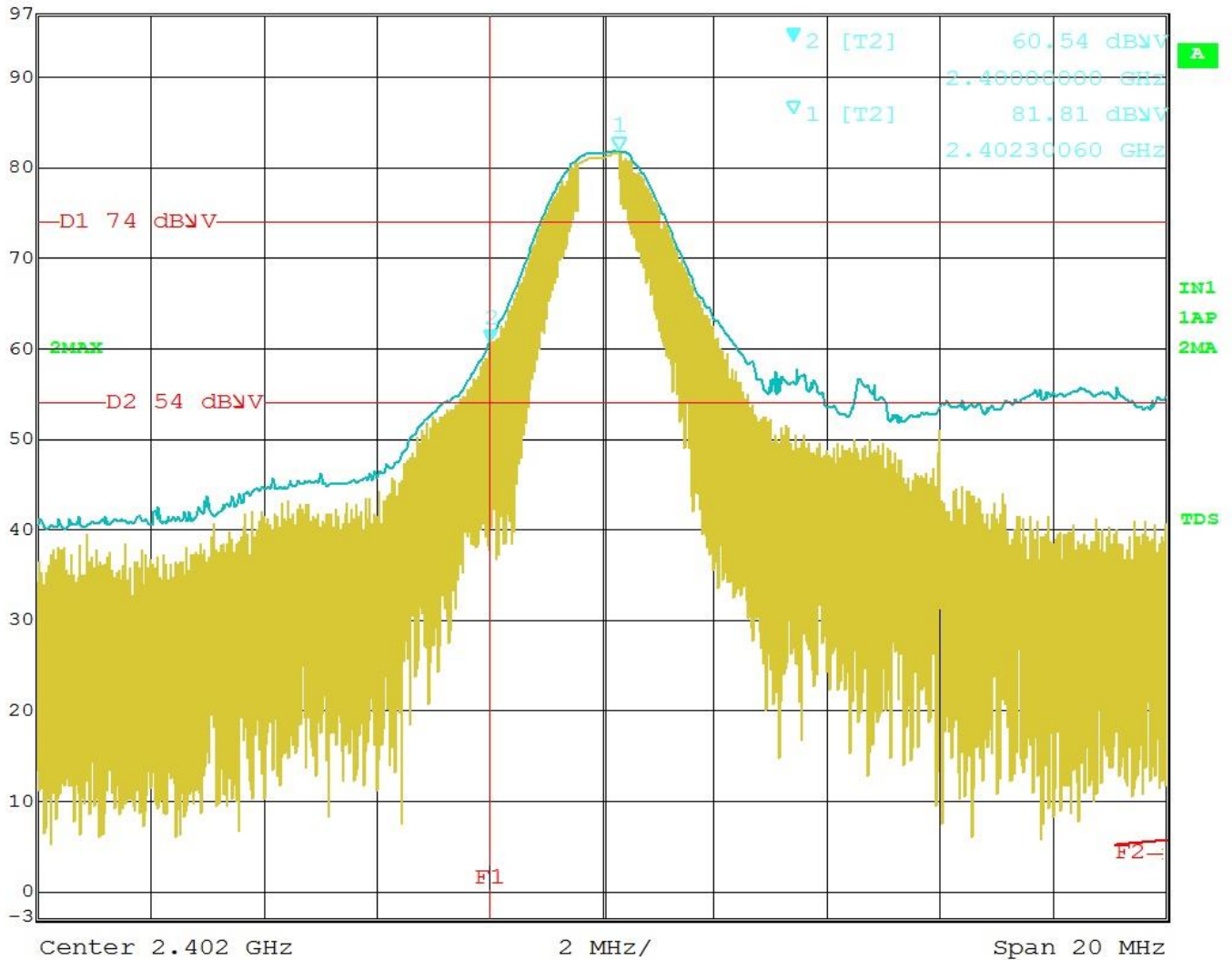
Date: 08/13/2013  
 Lab: B  
 Tested By: Alex Benitez

Low Channel - 2402 MHz  
 Middle Channel - 2442 MHz  
 High Channel - 2480 MHz

X-Axis (Worst Case) - Low Channel  
 X-Axis (Worst Case) - Middle Channel  
 X-Axis (Worst Case) - High Channel

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	83.37	H	114	-30.63	Peak	1.5	300	Fundamental of Low Channel @ 3 meters
2402	63.37	H	94	-30.63	Avg	1.5	300	
2400	62.23	H	74	-11.77	Peak	1.1	0	<b>No</b> Marker Delta Method Method Used
2400	42.23	H	54	-11.77	Peak	1.1	0	
2442	86.34	H	114	-27.66	Peak	1.5	300	Fundamental of Middle Channel @ 3 meters
2442	66.34	H	94	-27.66	Avg	1.5	300	
2480	85.26	H	114	-28.74	Peak	1.5	300	Fundamental of High Channel @ 3 meters
2480	65.26	H	94	-28.74	Avg	1.5	300	
2483.5	46.87	H	54	-7.13	Peak	1.5	300	<b>No</b> Marker Delta Method Method Used
2483.5	26.87	H	54	-27.13	Avg	1.5	300	



 Marker 2 [T2] RBW 1 MHz RF Att 0 dB  
 Ref Lvl 60.54 dBV VBW 3 MHz  
 97 dBV 2.4000000 GHz SWT 5 ms Unit dBV

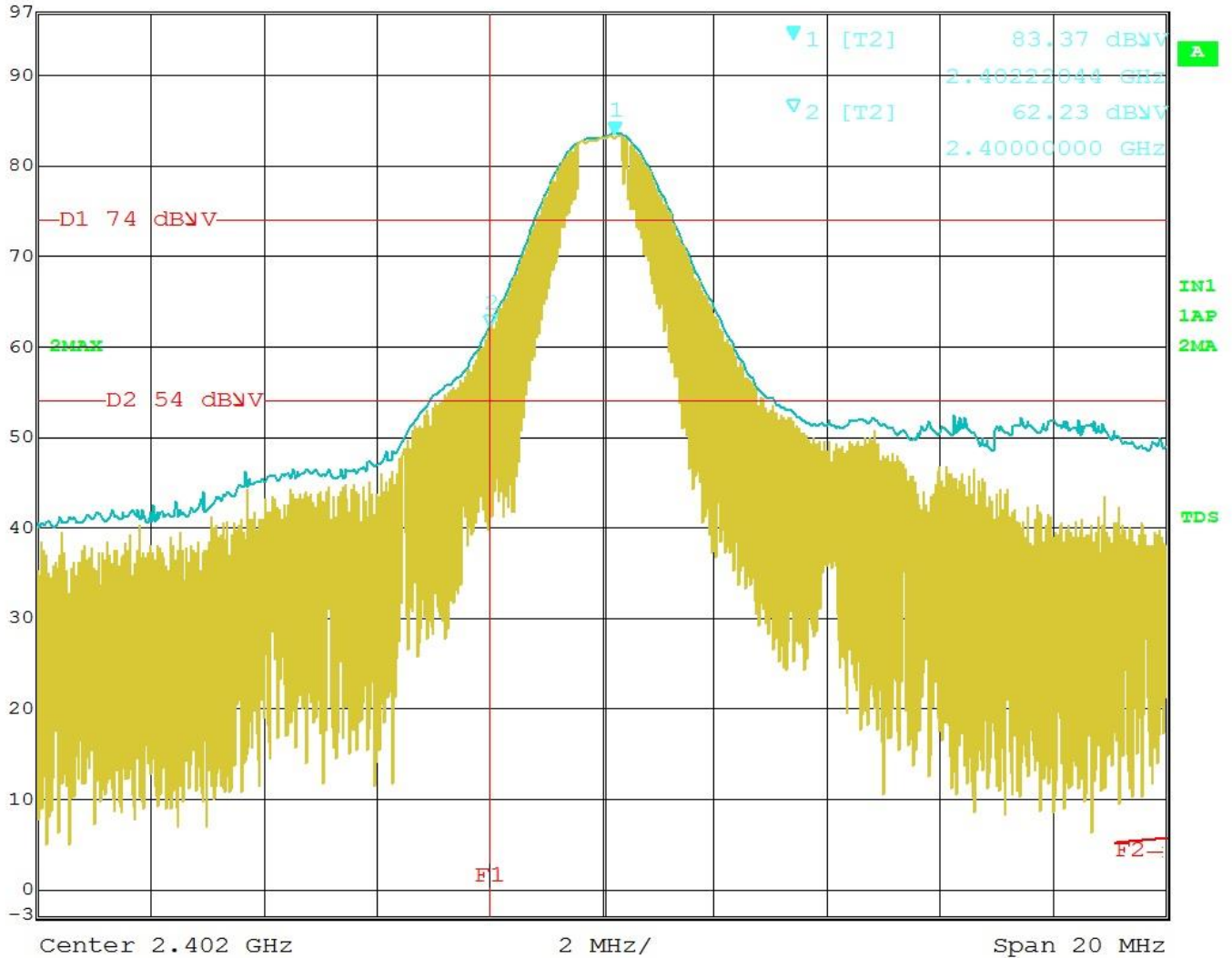


Date: 13.AUG.2013 15:15:58

Band Edge – Low Channel – Vertical Polarization – Y-Axis Worst Case




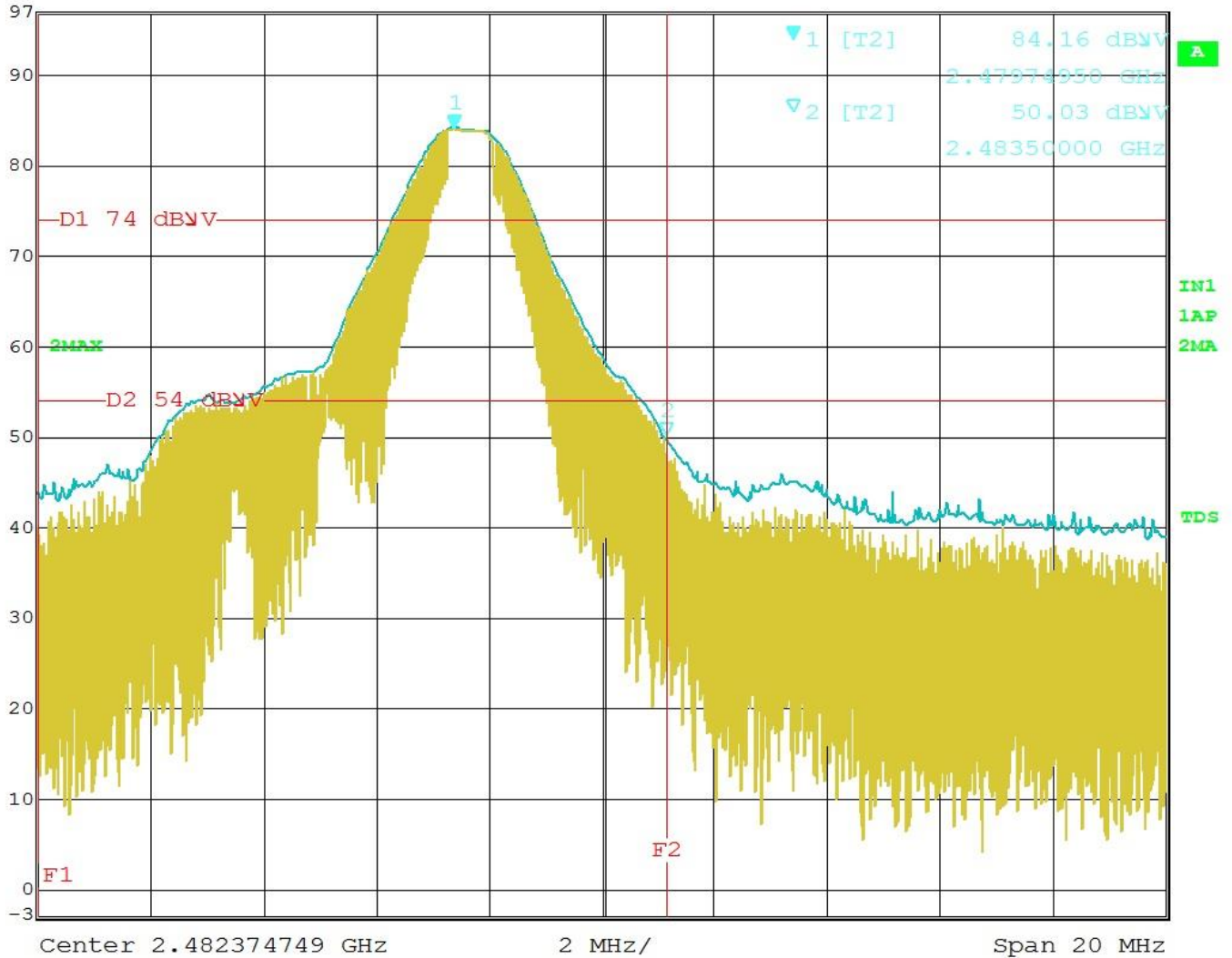
	Marker 1 [T2]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	83.37 dBV	VBW	3 MHz	
	97 dBV	2.40222044 GHz	SWT	5 ms	Unit dBV



Date: 13.AUG.2013 15:27:39

Band Edge – Low Channel – Horizontal Polarization – X-Axis Worst Case

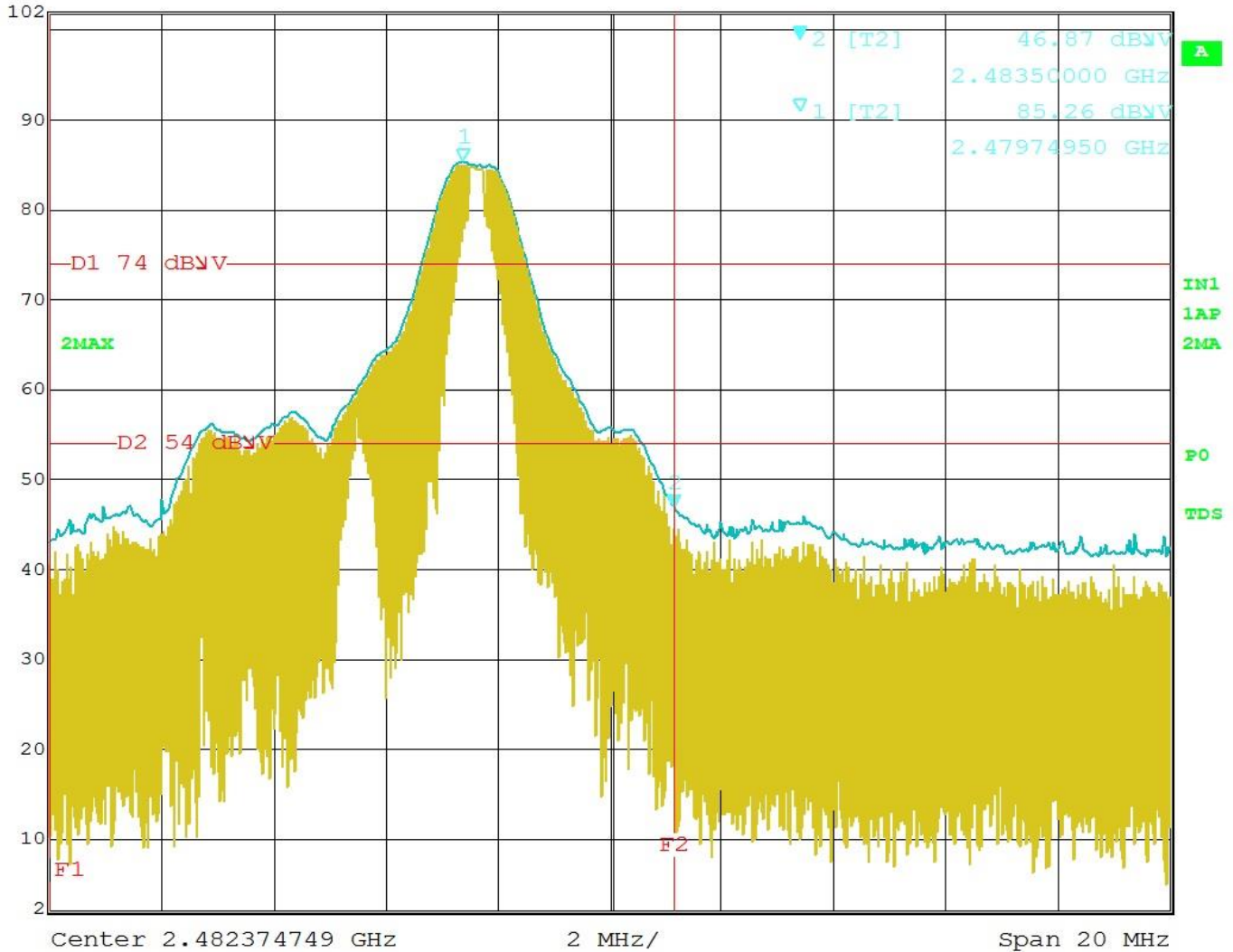
	Marker 1 [T2]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	84.16 dBV	VBW	3 MHz	
	97 dBV	2.47974950 GHz	SWT	5 ms	Unit dBV



Date: 13.AUG.2013 14:55:14

Band Edge – High Channel – Vertical Polarization – Z-Axis Worst Case

	Marker 2 [T2]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	46.87 dBV	VBW	3 MHz	
	102 dBV	2.4835000 GHz	SWT	5 ms	Unit dBV



Date: 13.AUG.2013 13:59:26

Band Edge – High Channel – Horizontal Polarization – X-Axis Worst Case