

*FCC PART 15, SUBPART B and C
TEST REPORT**for*UEI CHAMPION PLUS RF4CE 4 DEVICE 2013
MODEL: URC-2125BC0-BX-XXX-XXXX-XXX-R

Prepared for

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DATE: JUNE 16, 2014

	REPORT BODY	APPENDICES					TOTAL
		A	B	C	D	E	
PAGES	16	2	2	2	14	29	65

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GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Compatible Electronics Inc., 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 certification, approval or endorsement by NVLAP, NIST or any agency of the federal government.

Device Tested: UEI Champion Plus RF4CE 4 Device 2013
Model: URC-2125BC0-BX-XXX-XXXX-XXX-R
S/N: N/A

Product Description: See Expository Statement.

Modifications: The EUT was not modified during the testing.

Customer: Universal Electronics, Inc
201 East Sandpointe Ave
8th Floor, Santa Ana California, 92707

Test Dates: May 16, 19, and 22, 2014

Test Specifications: EMI 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

<i>TEST</i>	DESCRIPTION	RESULTS
1	Spurious Radiated RF Emissions, 10 kHz – 25000 MHz (Transmitter and Digital portion)	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, section 15.205, 15.209 and 15.249
2	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.

1. PURPOSE

This document is a qualification test report based on the emissions tests performed on the UEI Champion Plus RF4CE 4 Device 2013, Model: URC-2125BC0-BX-XXX-XXXX-XXX-R. 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; and Subpart C, sections 15.205, 15.209, and 15.249.

Note: For the unintentional radiator portion of the test, the EUT was within the **Class B** specification limits defined by CFR Title 47, Part 15, Subpart B.

2. ADMINISTRATIVE DATA

2.1 Location of Testing

The EMI tests described herein were performed at the test facility of Compatible Electronics, 114 Olinda Drive, Brea, California 92823.

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.

Kyle Fujimoto

Test Engineer

James Ross

Test Engineer

2.4 Date Test Sample was Received

The test sample was received prior to the date of testing.

2.5 Disposition of the Test Sample

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

2.6 Abbreviations and Acronyms

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

RF	Radio Frequency
EMI	Electromagnetic Interference
EUT	Equipment Under Test
P/N	Part Number
S/N	Serial Number
HP	Hewlett Packard
ITE	Information Technology Equipment
CML	Corrected Meter Limit
LISN	Line Impedance Stabilization Network
N/A	Not Applicable

3. APPLICABLE DOCUMENTS

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

SPEC	TITLE
FCC Title 47, Part 15 Subpart C	FCC Rules - Radio frequency devices (including digital devices) – Intentional Radiators
FCC Title 47, Part 15 Subpart B	FCC Rules - Radio frequency devices (including digital devices) – Unintentional Radiators
ANSI C63.4 2009	Methods of measurement of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz

4. DESCRIPTION OF TEST CONFIGURATION

4.1 Description of Test Configuration - Emissions

The UEI Champion Plus RF4CE 4 Device 2013, Model: URC-2125BC0-BX-XXX-XXXX-XXX-R (EUT) is a remote control that is powered by two double A volt batteries. The EUT was tested as a stand alone unit.

The EUT was tested for emissions at the low, middle, and high channels. The channels were changed by the channel via software on a laptop. The EUT was continuously transmitting.

The final radiated data for the EUT as was taken in the mode described above. Please see Appendix E for the data sheets.

4.1.1 Description of Test Configuration - Emissions

There were no external cables connected to the EUT.

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

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC ID
UEI CHAMPION PLUS RF4CE 4 DEVICE 2013	UNIVERSAL ELECTRONICS	URC-2125BC0-XXX- XXXX-XXX-R	N/A	MG3-2125

5.2 EMI Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CALIBRATION DATE	CAL. CYCLE
GENERAL TEST EQUIPMENT					
Computer	Hewlett Packard	p6716f	MXX1030PX0	N/A	N/A
LCD Monitor	Hewlett Packard	52031a	3CQ046N3MG	N/A	N/A
EMI Receiver, 20 Hz – 26.5 GHz	Agilent Technologies	N9038A	MY51100115	March 6, 2014	2 Year
RF RADIATED EMISSIONS TEST EQUIPMENT					
CombiLog Antenna	Com-Power	AC-220	61060	May 20, 2014	1 Year
Preamplifier	Com-Power	PA-118	181656	January 13, 2014	1 Year
Preamplifier	Com-Power	PA-840	711013	May 13, 2014	2 Year
Loop Antenna	Com-Power	AL-130	17089	January 29, 2013	2 Year
Horn Antenna	Com-Power	AH-118	071175	February 26, 2014	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
System Controller	Sunol Sciences Corporation	SC110V	112213-1	N/A	N/A
Turntable	Sunol Sciences Corporation	2011VS	N/A	N/A	N/A
Antenna-Mast	Sunol Sciences Corporation	TWR95-4	112213-3	N/A	N/A

6. TEST SITE DESCRIPTION

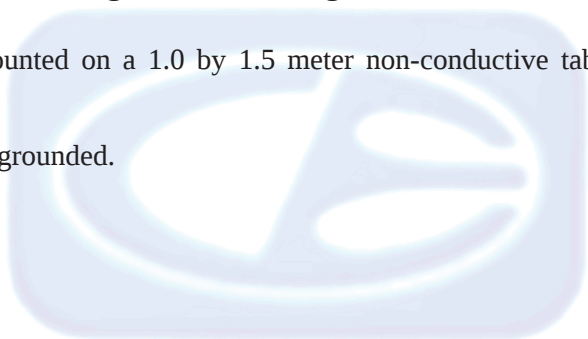
6.1 Test Facility Description

Please refer to section 2.1 and 7.1 of this report for EMI 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.



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 Radiated Emissions (Spurious and Harmonics) Test – Lab B

The EMI Receiver was used as a measuring meter. A preamplifier was used to increase the sensitivity of the instrument. The Com Power Microwave Preamplifier M/N: PA-118 was used for frequencies from 1 GHz to 18 GHz, and the M/N: PA-840 was used for frequencies above 18 GHz. The EMI Receiver was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the EMI Receiver records the highest measured reading over all the sweeps.

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
1 GHz to 25 GHz	1 MHz	Horn Antenna

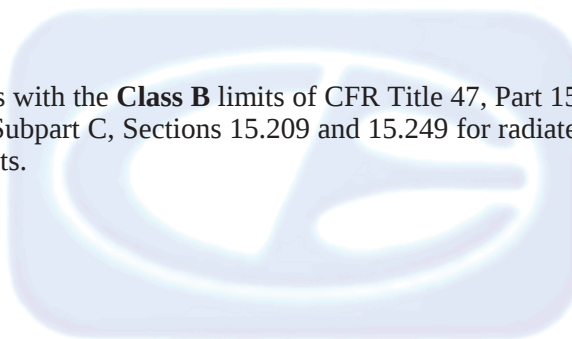
The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4: 2009. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a 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 gunsight method was used when measuring with the horn antenna in order to ensure accurate results.

Radiated Emissions (Spurious and Harmonics) Test -- Lab B (con't)

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 1 GHz to 25 GHz 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 for radiated emissions. Please see Appendix E for the data sheets.



7.1.2 Radiated Emissions (Spurious and Harmonics) Test – Lab D

The EMI Receiver was used as the measuring meter. A built-in, internal preamplifier was used to increase the sensitivity of the instrument. The EMI Receiver was initially used in the Analyzer mode feature activated. In this mode, the EMI receiver can then record the actual frequency to be measured. This final reading is then taken accurately in the EMI Receiver mode, which takes into account the cable loss, amplifier gain and antenna factors, so that a true reading is compared to the true limit. A quasi-peak reading was taken only for those readings, which are marked accordingly on the data sheets.

The EMI test chamber of Compatible Electronics, Inc. was used for radiated emissions testing. This test site is set up according to ANSI C63.4: 2009. 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. 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 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 1 GHz	120 kHz	CombiLog Antenna

The EUT was tested at a 3 meter test distance. The six highest emissions are listed in Table 1.0.

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 (d) for radiated emissions. Please see Appendix E for the data sheets.

7.1.3 RF Emissions Test ResultsTable 1.0 RADIATED EMISSION RESULTS
UEI Champion Plus RF4CE 4 Device 2013, Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Frequency GHz	Average Corrected Reading* dBuV	Specification Limit dBuV	Delta (Cor. Reading – Spec. Limit) dB
7.475 (Z axis H) (Low Channel)	49.24	54	-4.76
7.425 (X axis V) (High Channel)	46.12	54	-7.88
7.275 (Y axis H) (Low Channel)	46.06	54	-7.94
7.425 (Y axis V) (High Channel)	45.18	54	-8.82
7.425 (Z axis H) (High Channel)	44.87	54	-9.13
7.275 (Y axis V) (Low Channel)	44.47	54	-9.53

Notes:

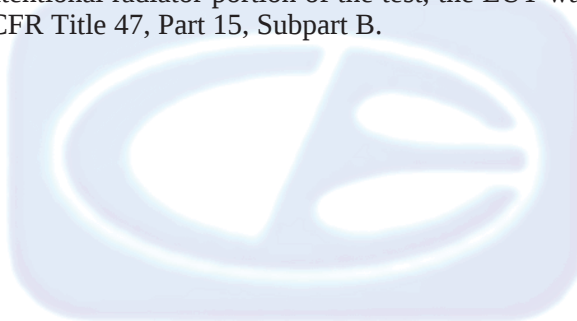
(H) Horizontal
(V) Vertical

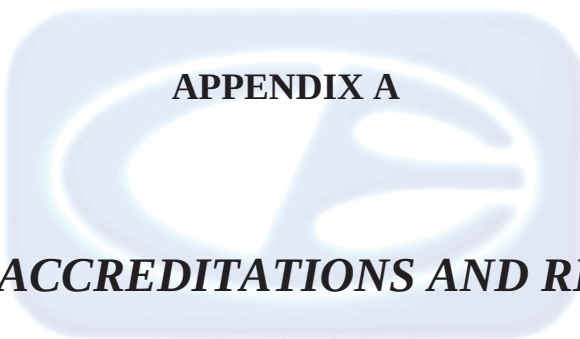
* The complete emissions data is given in Appendix E of this report.

8. CONCLUSIONS

The UEI Champion Plus RF4CE 4 Device 2013, Model: URC-2125BC0-BX-XXX-XXXX-XXX-R meets all of the specification limits defined in FCC Title 47, Part 15, Subpart C, sections 15.205, 15.209, and 15.249.

Note: For the unintentional radiator portion of the test, the EUT was within the **Class B** specification limits defined by CFR Title 47, Part 15, Subpart B.





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 fulfilment 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/

FCC Listing, from FCC OET site

[FCC test lab search](#) <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>

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

APPENDIX B

MODIFICATIONS TO THE EUT

MODIFICATIONS TO THE EUT

The modifications listed below were made to the EUT to pass FCC Subpart B and FCC 15.249 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.

The EUT was not modified during the testing.



APPENDIX C

***ADDITIONAL MODELS COVERED
UNDER THIS REPORT***

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

UEI Champion Plus RF4CE 4 Device 2013
Model: URC-2125BC0-BX-XXX-XXXX-XXX-R
S/N: N/A

There were no additional models covered under this report.



APPENDIX D

DIAGRAMS AND CHARTS

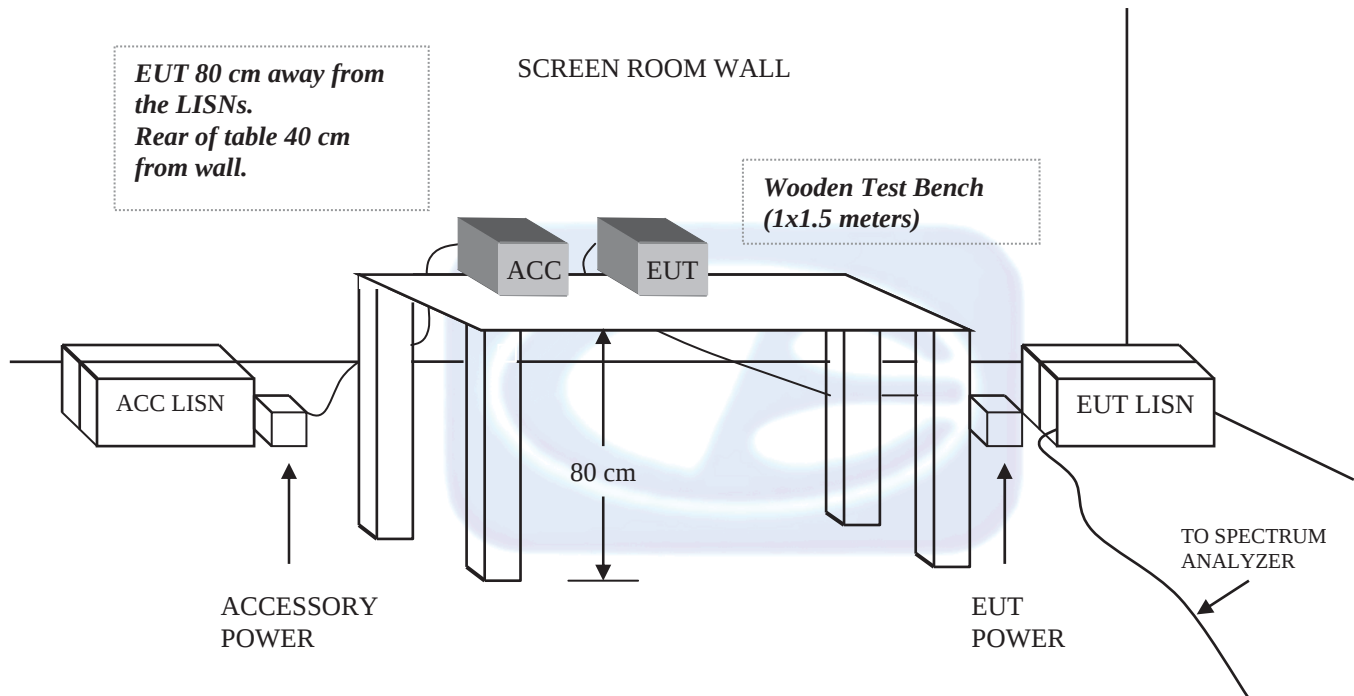
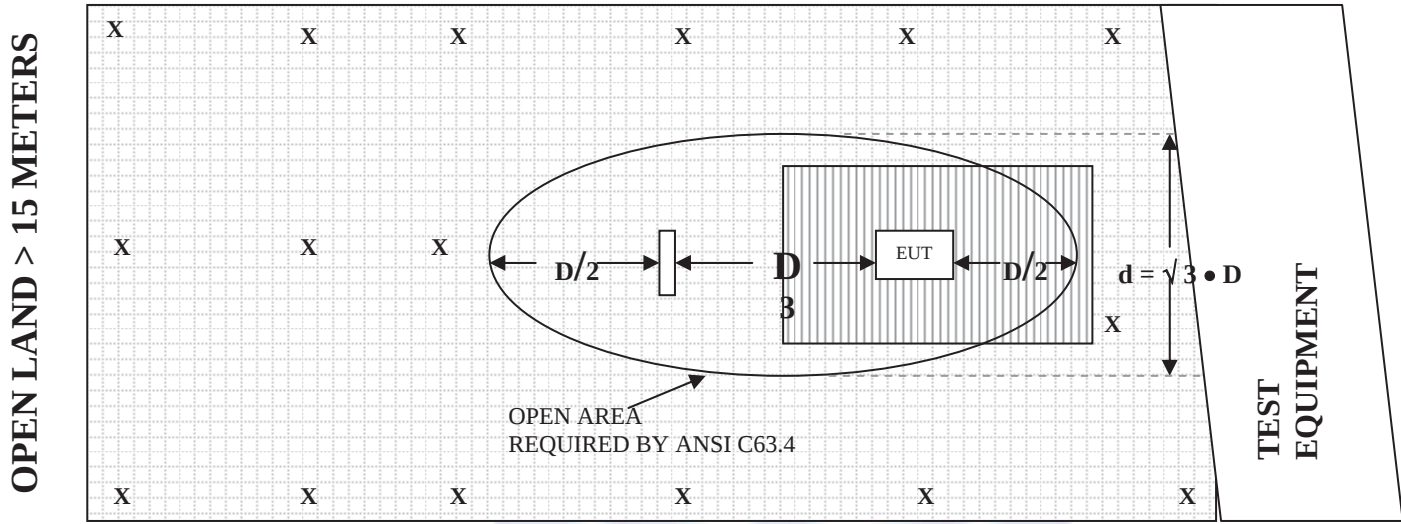
FIGURE 1: CONDUCTED EMISSIONS TEST SETUP

FIGURE 2: PLOT MAP AND LAYOUT OF RADIATED SITE

OPEN LAND > 15 METERS



OPEN LAND > 15 METERS

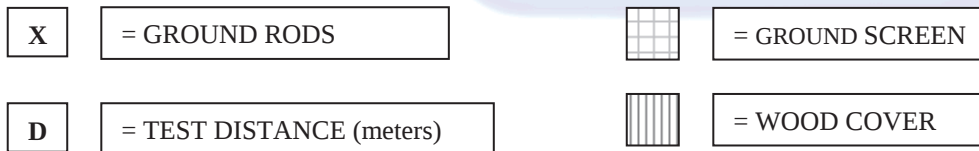
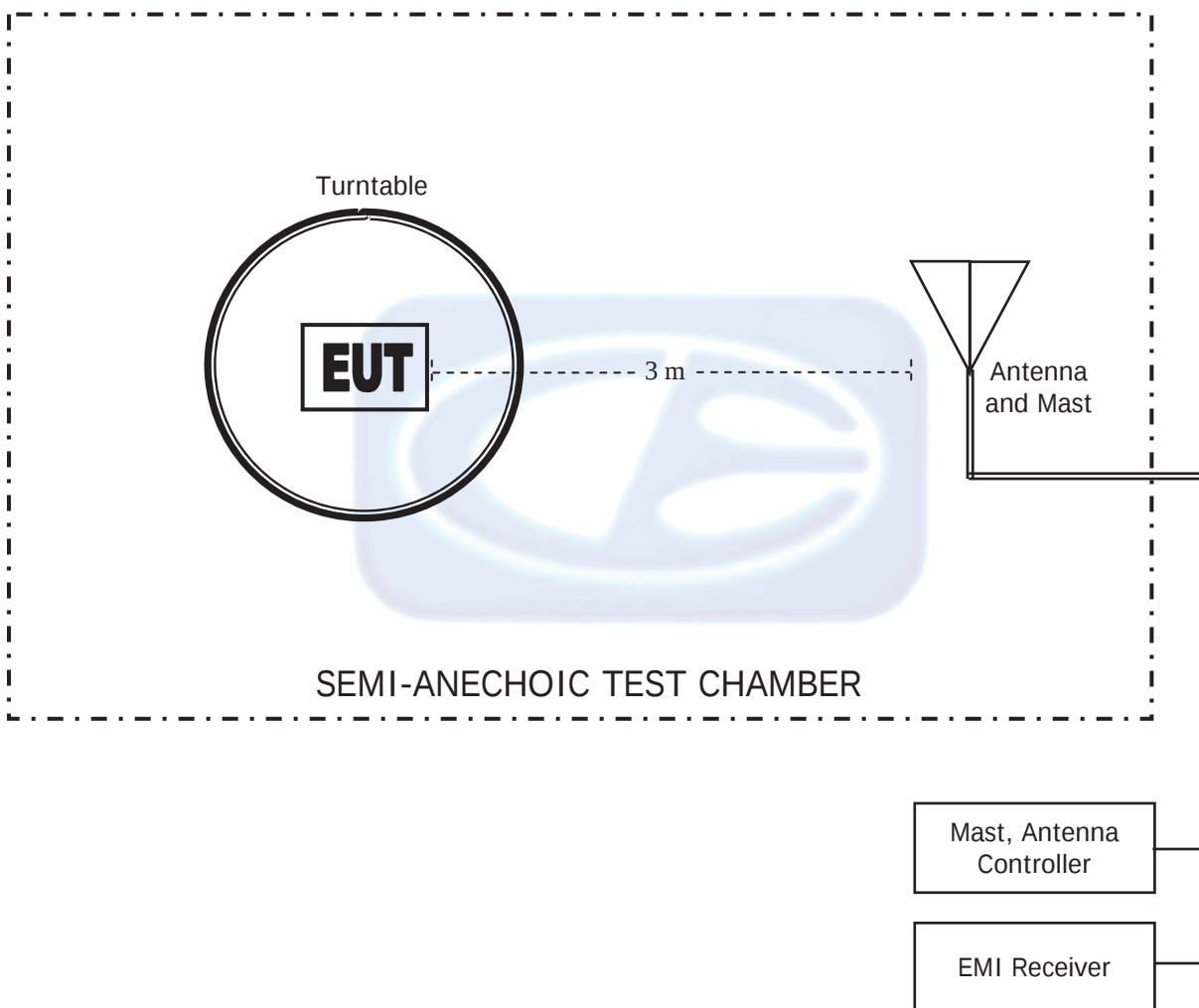


FIGURE 3: LAYOUT OF THE SEMI-ANECHOIC TEST CHAMBER



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

S/N: 17089

CALIBRATION DATE: JANUARY 29, 2013

FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)
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 20, 2014**

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	23.40	200	14.40
35	23.70	250	16.40
40	24.20	300	17.90
45	22.60	350	15.60
50	22.10	400	19.90
60	17.90	450	20.40
70	12.70	500	21.60
80	11.60	550	21.50
90	12.20	600	22.30
100	13.20	650	23.50
120	15.70	700	23.70
125	15.80	750	25.90
140	13.60	800	25.90
150	16.90	850	26.40
160	14.20	900	27.00
175	14.90	950	27.70
180	15.00	1000	27.50

COM POWER AH-118**HORN ANTENNA****S/N: 071175****CALIBRATION DATE: FEBRUARY 26, 2014**

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	24.23	10.0	38.43
1.5	25.84	10.5	40.19
2.0	28.14	11.0	40.49
2.5	29.51	11.5	41.39
3.0	31.20	12.0	42.02
3.5	32.17	12.5	43.30
4.0	31.40	13.0	42.77
4.5	31.86	13.5	40.18
5.0	34.82	14.0	42.59
5.5	34.38	14.5	41.74
6.0	36.31	15.0	41.84
6.5	34.81	15.5	38.48
7.0	37.48	16.0	39.52
7.5	36.98	16.5	37.85
8.0	36.66	17.0	41.33
8.5	38.47	17.5	44.96
9.0	37.22	18.0	48.50
9.5	37.86		

COM-POWER PA-118**PREAMPLIFIER**

S/N: 181656

CALIBRATION DATE: JANUARY 13, 2014

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	24.90	6.0	25.40
1.1	25.30	6.5	25.20
1.2	26.00	7.0	24.40
1.3	26.20	7.5	24.00
1.4	26.30	8.0	23.90
1.5	26.40	8.5	24.50
1.6	26.50	9.0	25.20
1.7	26.60	9.5	24.80
1.8	26.50	10.0	24.90
1.9	26.60	11.0	25.40
2.0	26.70	12.0	24.50
2.5	26.90	13.0	24.30
3.0	27.00	14.0	25.20
3.5	27.10	15.0	25.90
4.0	26.60	16.0	25.60
4.5	26.10	17.0	23.70
5.0	26.40	18.0	25.80
5.5	25.80		

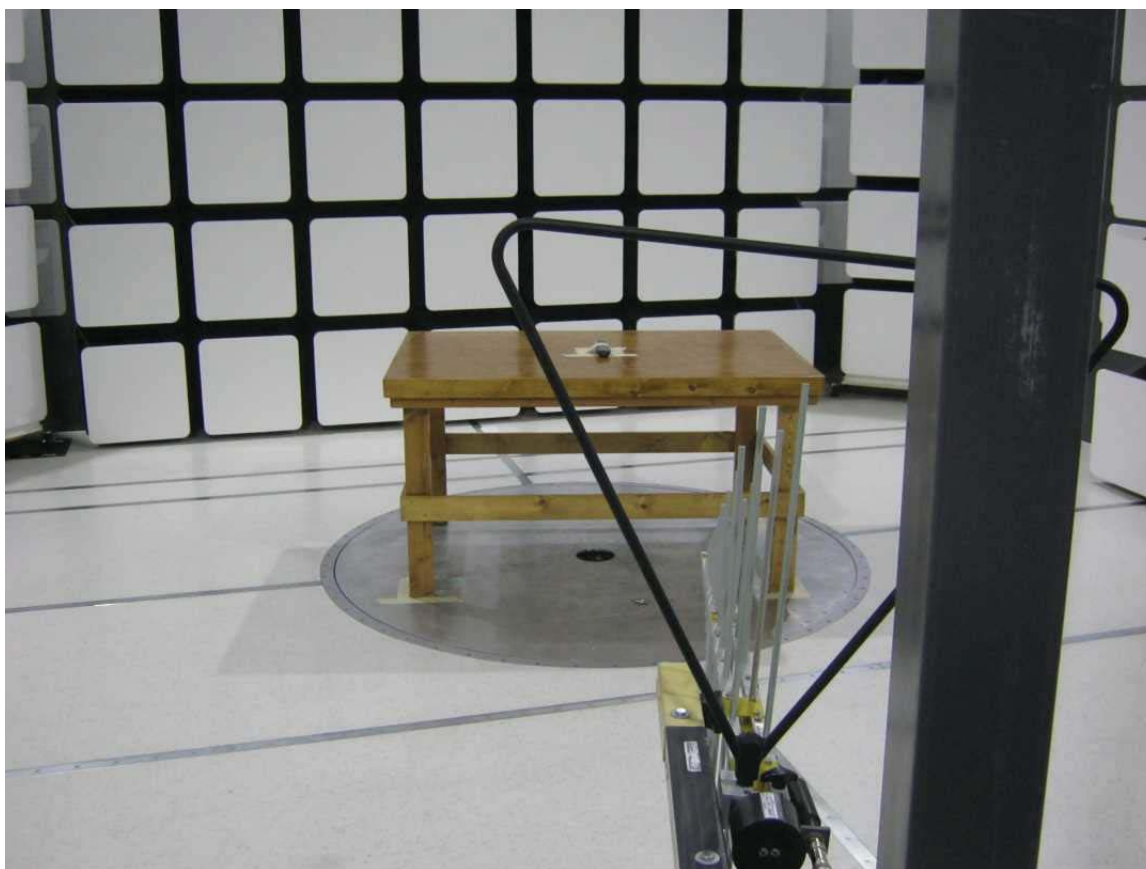
COM-POWER AH826**HORN ANTENNA**

S/N: 71957

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
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-840**MICROWAVE PREAMPLIFIER****S/N: 711013****CALIBRATION DATE: MAY 13, 2014**

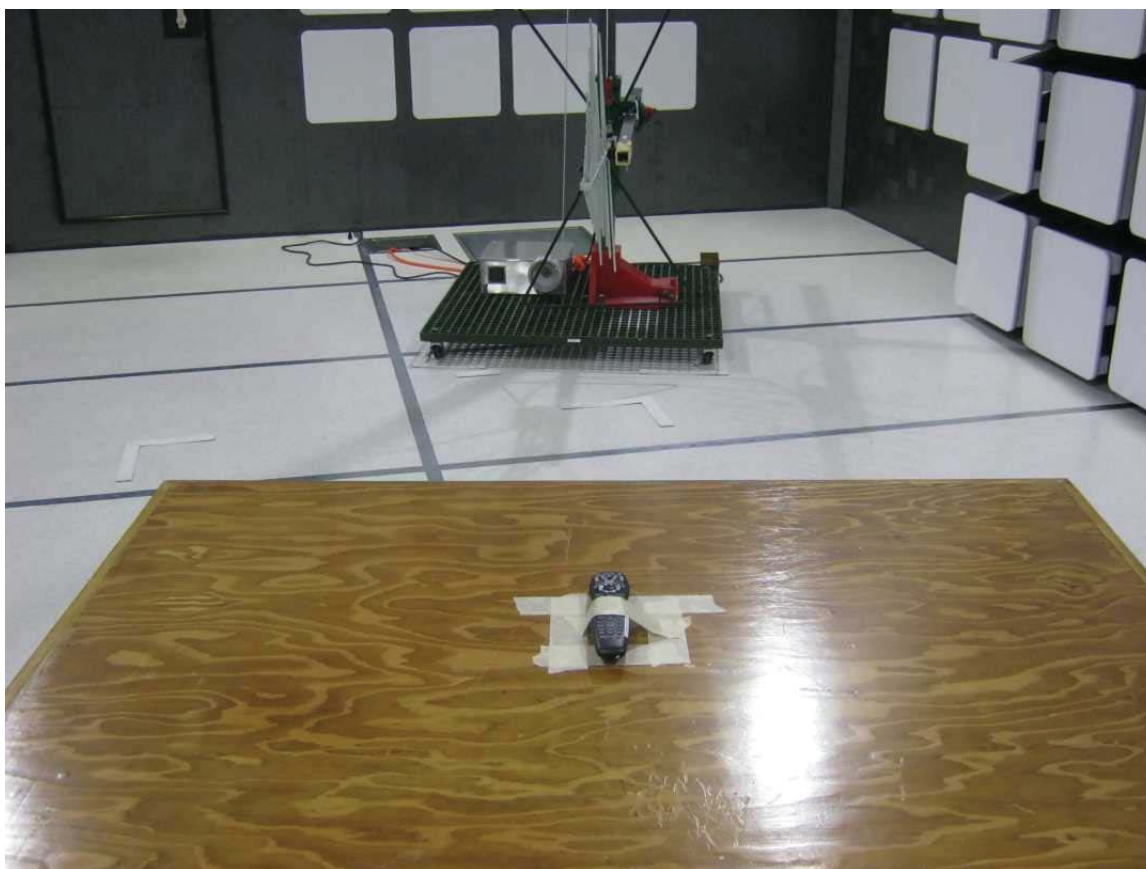
FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18.0	25.19	31.5	25.74
19.0	24.48	32.0	26.35
20.0	24.39	32.5	26.64
21.0	24.73	33.0	25.98
22.0	23.49	33.5	24.68
23.0	24.23	34.0	24.61
24.0	24.59	34.5	23.78
25.0	25.32	35.0	24.74
26.0	25.66	35.5	24.39
26.5	25.99	36.0	23.46
27.0	25.26	36.5	23.71
27.5	25.33	37.0	26.35
28.0	24.49	37.5	23.94
28.5	24.74	38.0	25.42
29.0	25.93	38.5	24.87
29.5	26.28	39.0	22.60
30.0	26.17	39.5	20.57
30.5	26.11	40.0	19.15
31.0	25.69		



FRONT VIEW

UNIVERSAL ELECTRONICS, INC
UEI CHAMPION PLUS RF4CE 4 DEVICE 2013
MODEL: URC-2125BC0-BX-XXX-XXXX-XXX-R
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz

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



REAR VIEW

UNIVERSAL ELECTRONICS, INC
UEI CHAMPION PLUS RF4CE 4 DEVICE 2013
MODEL: URC-2125BC0-BX-XXX-XXXX-XXX-R
FCC SUBPART B AND C – RADIATED EMISSIONS – BELOW 1 GHz

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



FRONT VIEW

UNIVERSAL ELECTRONICS, INC
UEI CHAMPION PLUS RF4CE 4 DEVICE 2013
MODEL: URC-2125BC0-BX-XXX-XXXX-XXX-R
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz

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



REAR VIEW

UNIVERSAL ELECTRONICS, INC
UEI CHAMPION PLUS RF4CE 4 DEVICE 2013
MODEL: URC-2125BC0-BX-XXX-XXXX-XXX-R
FCC SUBPART B AND C – RADIATED EMISSIONS – ABOVE 1 GHz

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

APPENDIX E

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS

FCC 15.249

Universal Electronics, Inc.
UEI Champion Plus RF4CE 4 Device 2013
Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
Lab: B
Tested By: Kyle Fujimoto

Low Channel X-Axis - Vertical

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2425	98.08	V	114	-15.92	Peak	1.5	180	
2425	78.08	V	94	-15.92	Avg	1.5	180	
4850	53.32	V	74	-20.68	Peak	2.25	135	
4850	33.32	V	54	-20.68	Avg	2.25	135	
7275	60.96	V	74	-13.04	Peak	1.25	45	
7275	40.96	V	54	-13.04	Avg	1.25	45	
9700								No Emission
9700								Detected
12125								No Emission
12125								Detected
14550								No Emission
14550								Detected
16975								No Emission
16975								Detected
19400								No Emission
19400								Detected
21825								No Emission
21825								Detected
24250								No Emission
24250								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

Low Channel

X-Axis - Horizontal

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2425	101.44	H	114	-12.56	Peak	1.25	155	
2425	81.44	H	94	-12.56	Avg	1.25	155	
4850	56.87	H	74	-17.13	Peak	1.35	135	
4850	36.87	H	54	-17.13	Avg	1.35	135	
7275	62.33	H	74	-11.67	Peak	1.25	155	
7275	42.33	H	54	-11.67	Avg	1.25	155	
9700								No Emission
9700								Detected
12125								No Emission
12125								Detected
14550								No Emission
14550								Detected
16975								No Emission
16975								Detected
19400								No Emission
19400								Detected
21825								No Emission
21825								Detected
24250								No Emission
24250								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

Low Channel

Y-Axis - Vertical

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2425	100.94	V	114	-13.06	Peak	1.25	45	
2425	80.94	V	94	-13.06	Avg	1.25	45	
4850	53.24	V	74	-20.76	Peak	1.35	155	
4850	33.24	V	54	-20.76	Avg	1.35	155	
7275	64.47	V	74	-9.53	Peak	1.25	165	
7275	44.47	V	54	-9.53	Avg	1.25	165	
9700								No Emission
9700								Detected
12125								No Emission
12125								Detected
14550								No Emission
14550								Detected
16975								No Emission
16975								Detected
19400								No Emission
19400								Detected
21825								No Emission
21825								Detected
24250								No Emission
24250								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

Low Channel

Y-Axis - Horizontal

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2425	90.64	H	114	-23.36	Peak	1.25	0	
2425	70.64	H	94	-23.36	Avg	1.25	0	
4850	53.06	H	74	-20.94	Peak	1.35	125	
4850	33.06	H	54	-20.94	Avg	1.35	125	
7275	66.06	H	74	-7.94	Peak	1.25	315	
7275	46.06	H	54	-7.94	Avg	1.25	315	
9700								No Emission
9700								Detected
12125								No Emission
12125								Detected
14550								No Emission
14550								Detected
16975								No Emission
16975								Detected
19400								No Emission
19400								Detected
21825								No Emission
21825								Detected
24250								No Emission
24250								Detected

FCC 15.249

Universal Electronics, Inc.
UEI Champion Plus RF4CE 4 Device 2013
Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
Lab: B
Tested By: Kyle Fujimoto

Low Channel Z-Axis - Vertical

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2425	97.77	V	114	-16.23	Peak	1.25	135	
2425	77.77	V	94	-16.23	Avg	1.25	135	
4850	51.07	V	74	-22.93	Peak	1.25	155	
4850	31.07	V	54	-22.93	Avg	1.25	155	
7275	58.33	V	74	-15.67	Peak	1.35	225	
7275	38.33	V	54	-15.67	Avg	1.35	225	
9700								No Emission
9700								Detected
12125								No Emission
12125								Detected
14550								No Emission
14550								Detected
16975								No Emission
16975								Detected
19400								No Emission
19400								Detected
21825								No Emission
21825								Detected
24250								No Emission
24250								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

Low Channel

Z-Axis - Horizontal

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2425	98.63	H	114	-15.37	Peak	1.25	0	
2425	78.63	H	94	-15.37	Avg	1.25	0	
4850	56.12	H	74	-17.88	Peak	2.25	135	
4850	36.12	H	54	-17.88	Avg	2.25	135	
7275	69.24	H	74	-4.76	Peak	1.25	155	
7275	49.24	H	54	-4.76	Avg	1.25	155	
9700								No Emission
9700								Detected
12125								No Emission
12125								Detected
14550								No Emission
14550								Detected
16975								No Emission
16975								Detected
19400								No Emission
19400								Detected
21825								No Emission
21825								Detected
24250								No Emission
24250								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

Middle Channel
X-Axis - Vertical

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2450	98.32	V	114	-15.68	Peak	1.25	155	
2450	78.32	V	94	-15.68	Avg	1.25	155	
4900	52.14	V	74	-21.86	Peak	1.35	175	
4900	32.14	V	54	-21.86	Avg	1.35	175	
7350	63.51	V	74	-10.49	Peak	1.25	185	
7350	43.51	V	54	-10.49	Avg	1.25	185	
9800								No Emission
9800								Detected
12250								No Emission
12250								Detected
14700								No Emission
14700								Detected
17150								No Emission
17150								Detected
19600								No Emission
19600								Detected
22050								No Emission
22050								Detected
24500								No Emission
24500								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

Middle Channel
X-Axis - Horizontal

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2450	99.86	H	114	-14.14	Peak	1.25	135	
2450	79.86	H	94	-14.14	Avg	1.25	135	
4900	55.83	H	74	-18.17	Peak	1.35	145	
4900	35.83	H	54	-18.17	Avg	1.35	145	
7350	60.66	H	74	-13.34	Peak	1.25	155	
7350	40.66	H	54	-13.34	Avg	1.25	155	
9800								No Emission
9800								Detected
12250								No Emission
12250								Detected
14700								No Emission
14700								Detected
17150								No Emission
17150								Detected
19600								No Emission
19600								Detected
22050								No Emission
22050								Detected
24500								No Emission
24500								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

Middle Channel
Y-Axis - Vertical

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2450	99.01	V	114	-14.99	Peak	1.25	0	
2450	79.01	V	94	-14.99	Avg	1.25	0	
4900	53.93	V	74	-20.07	Peak	1.35	145	
4900	33.93	V	54	-20.07	Avg	1.35	145	
7350	62.51	V	74	-11.49	Peak	1.25	135	
7350	42.51	V	54	-11.49	Avg	1.25	135	
9800								No Emission
9800								Detected
12250								No Emission
12250								Detected
14700								No Emission
14700								Detected
17150								No Emission
17150								Detected
19600								No Emission
19600								Detected
22050								No Emission
22050								Detected
24500								No Emission
24500								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

Middle Channel
Y-Axis - Horizontal

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2450	86.36	H	114	-27.64	Peak	1.25	155	
2450	66.36	H	94	-27.64	Avg	1.25	155	
4900	51.74	H	74	-22.26	Peak	1.25	165	
4900	31.74	H	54	-22.26	Avg	1.25	165	
7350	61.21	H	74	-12.79	Peak	1.25	270	
7350	41.21	H	54	-12.79	Avg	1.25	270	
9800								No Emission
9800								Detected
12250								No Emission
12250								Detected
14700								No Emission
14700								Detected
17150								No Emission
17150								Detected
19600								No Emission
19600								Detected
22050								No Emission
22050								Detected
24500								No Emission
24500								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

Middle Channel
Z-Axis - Vertical

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2450	101.67	V	114	-12.33	Peak	1.25	155	
2450	81.67	V	94	-12.33	Avg	1.25	155	
4900	52.71	V	74	-21.29	Peak	1.35	165	
4900	32.71	V	54	-21.29	Avg	1.35	165	
7350	61.34	V	74	-12.66	Peak	1.25	175	
7350	41.34	V	54	-12.66	Avg	1.25	175	
9800								No Emission
9800								Detected
12250								No Emission
12250								Detected
14700								No Emission
14700								Detected
17150								No Emission
17150								Detected
19600								No Emission
19600								Detected
22050								No Emission
22050								Detected
24500								No Emission
24500								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

Middle Channel
Z-Axis - Horizontal

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2450	97.57	H	114	-16.43	Peak	1.25	155	
2450	77.57	H	94	-16.43	Avg	1.25	155	
4900	55.64	H	74	-18.36	Peak	1.25	135	
4900	35.64	H	54	-18.36	Avg	1.25	135	
7350	63.62	H	74	-10.38	Peak	1.35	145	
7350	43.62	H	54	-10.38	Avg	1.35	145	
9800								No Emission
9800								Detected
12250								No Emission
12250								Detected
14700								No Emission
14700								Detected
17150								No Emission
17150								Detected
19600								No Emission
19600								Detected
22050								No Emission
22050								Detected
24500								No Emission
24500								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

High Channel
X-Axis - Vertical

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2475	98.88	V	114	-15.12	Peak	1.25	155	
2475	78.88	V	94	-15.12	Avg	1.25	155	
4950	54.64	V	74	-19.36	Peak	1.25	155	
4950	34.64	V	54	-19.36	Avg	1.25	155	
7425	66.12	V	74	-7.88	Peak	1.35	175	
7425	46.12	V	54	-7.88	Avg	1.35	175	
9900								No Emission
9900								Detected
12375								No Emission
12375								Detected
14850								No Emission
14850								Detected
17325								No Emission
17325								Detected
19800								No Emission
19800								Detected
22275								No Emission
22275								Detected
24750								No Emission
24750								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

High Channel

X-Axis - Horizontal

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2475	100.86	H	114	-13.14	Peak	1.25	135	
2475	80.86	H	94	-13.14	Avg	1.25	135	
4950	56.28	H	74	-17.72	Peak	1.15	145	
4950	36.28	H	54	-17.72	Avg	1.15	145	
7425	59.73	H	74	-14.27	Peak	1.35	155	
7425	39.73	H	54	-14.27	Avg	1.35	155	
9900								No Emission
9900								Detected
12375								No Emission
12375								Detected
14850								No Emission
14850								Detected
17325								No Emission
17325								Detected
19800								No Emission
19800								Detected
22275								No Emission
22275								Detected
24750								No Emission
24750								Detected

FCC 15.249

Universal Electronics, Inc.
 UEI Champion Plus RF4CE 4 Device 2013
 Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
 Lab: B
 Tested By: Kyle Fujimoto

High Channel Y-Axis - Vertical

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2475	99.01	V	114	-14.99	Peak	1.25	45	
2475	79.01	V	94	-14.99	Avg	1.25	45	
4950	54.52	V	74	-19.48	Peak	1.25	155	
4950	34.52	V	54	-19.48	Avg	1.25	155	
7425	65.18	V	74	-8.82	Peak	1.25	155	
7425	45.18	V	54	-8.82	Avg	1.25	155	
9900								No Emission
9900								Detected
12375								No Emission
12375								Detected
14850								No Emission
14850								Detected
17325								No Emission
17325								Detected
19800								No Emission
19800								Detected
22275								No Emission
22275								Detected
24750								No Emission
24750								Detected

FCC 15.249

Universal Electronics, Inc.
UEI Champion Plus RF4CE 4 Device 2013
Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
Lab: B
Tested By: Kyle Fujimoto

High Channel

Y-Axis - Horizontal

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2475	89.92	H	114	-24.08	Peak	1.25	180	
2475	69.92	H	94	-24.08	Avg	1.25	180	
4950	51.21	H	74	-22.79	Peak	1.35	225	
4950	31.21	H	54	-22.79	Avg	1.35	225	
7425	62.71	H	74	-11.29	Peak	1.25	135	
7425	42.71	H	54	-11.29	Avg	1.25	135	
9900								No Emission
9900								Detected
12375								No Emission
12375								Detected
14850								No Emission
14850								Detected
17325								No Emission
17325								Detected
19800								No Emission
19800								Detected
22275								No Emission
22275								Detected
24750								No Emission
24750								Detected

FCC 15.249

Universal Electronics, Inc.
UEI Champion Plus RF4CE 4 Device 2013
Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
Lab: B
Tested By: Kyle Fujimoto

High Channel Z-Axis - Vertical

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2475	100.18	V	114	-13.82	Peak	1.25	90	
2475	80.18	V	94	-13.82	Avg	1.25	90	
4950	52.46	V	74	-21.54	Peak	1.25	225	
4950	32.46	V	54	-21.54	Avg	1.25	225	
7425	63.41	V	74	-10.59	Peak	1.25	135	
7425	43.41	V	54	-10.59	Avg	1.25	135	
9900								No Emission
9900								Detected
12375								No Emission
12375								Detected
14850								No Emission
14850								Detected
17325								No Emission
17325								Detected
19800								No Emission
19800								Detected
22275								No Emission
22275								Detected
24750								No Emission
24750								Detected

FCC 15.249

Universal Electronics, Inc.
UEI Champion Plus RF4CE 4 Device 2013
Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
Lab: B
Tested By: Kyle Fujimoto

High Channel

Z-Axis - Horizontal

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2475	98.01	H	114	-15.99	Peak	1.25	0	
2475	78.01	H	94	-15.99	Avg	1.25	0	
4950	55.61	H	74	-18.39	Peak	1.25	165	
4950	35.61	H	54	-18.39	Avg	1.25	165	
7425	64.87	H	74	-9.13	Peak	1.25	155	
7425	44.87	H	54	-9.13	Avg	1.25	155	
9900								No Emission
9900								Detected
12375								No Emission
12375								Detected
14850								No Emission
14850								Detected
17325								No Emission
17325								Detected
19800								No Emission
19800								Detected
22275								No Emission
22275								Detected
24750								No Emission
24750								Detected

FCC 15.249 and FCC Class BUniversal Electronics, Inc.
UEI Champion Plus RF4CE 4 Device 2013
Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/14 & 05/19/14

Labs: B and D

Tested By: Kyle Fujimoto

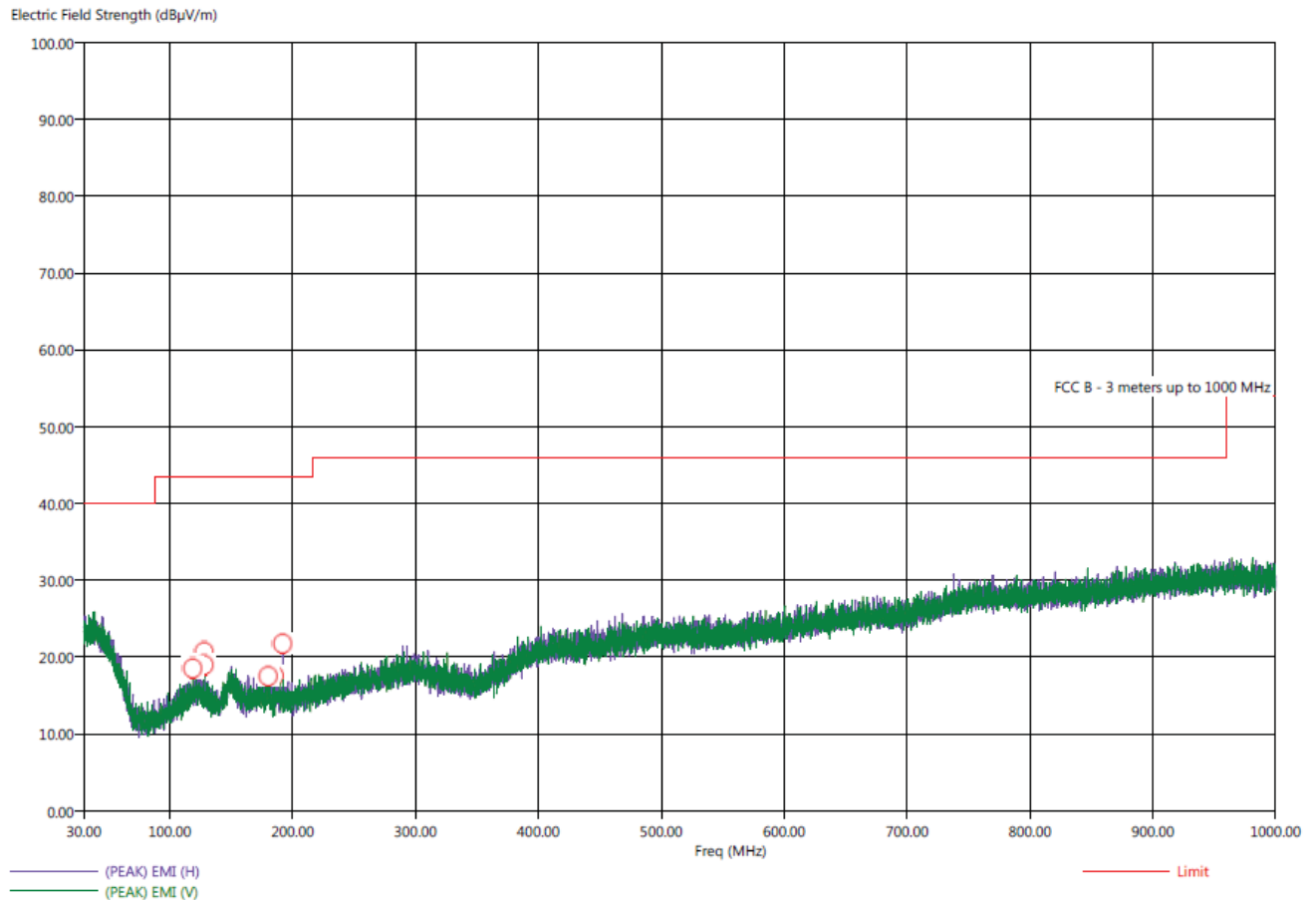
**Radiated Emissions 10 kHz to 30 MHz and
1 GHz to 25 GHz**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Detected
								from 10 kHz to 30 MHz
								for the Digital Portion
								for both the Vertical and
								Horizontal Polarizations.
								No Emissions Detected
								from 10 kHz to 30 MHz
								for the Non-Harmonic
								Emissions from the Tx for the
								EUT for both the Vertical and
								Horizontal Polarizations.
								No Emissions Detected
								from 1 GHz to 25 GHz
								for the Digital Portion
								for both the Vertical and
								Horizontal Polarizations.
								No Emissions Detected
								from 1 GHz to 25 GHz
								for the Non-Harmonic
								Emissions from the Tx for the
								EUT for both the Vertical and
								Horizontal Polarizations.
								Investigated in the
								X, Y, and Z-Axis

Title: Pre-Scan -FCC Class B
File: Agilent - Radiated Pre-Scan 30-1000Mhz_X-axis - FCC Class B.set
Operator: Andrew Tiffany
EUT Type: UEI Champion Plus RF4CE 4 Device 2013
EUT Condition: Continuously Transmitting - X axis
Comments: Customer: Universal Electronics Inc.
M/N: URC-2125BC0-BX-XXX-XXXX-XXX-R

5/22/2014 10:14:53 AM
Sequence: Preliminary Scan

Pre-Scan - FCC B - X axis



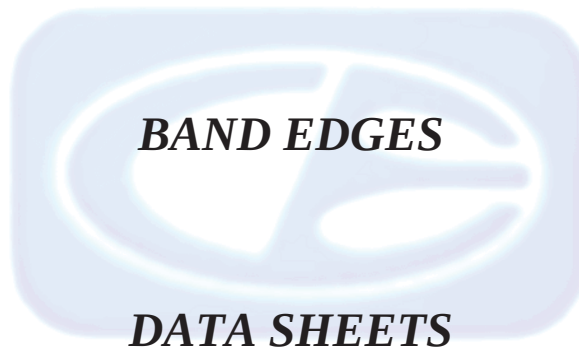
Title: Radiated Final - 30-1000 MHz - FCC Class B
File: Agilent - Radiated Final Scan 30-1000Mhz X-axis- FCC Class B.set
Operator: Andrew Tiffany
EUT Type: UEI Champion Plus RF4CE 4 Device 2013
EUT Condition: Continuously Transmitting -X-axis
Comments: Customer: Universal Electronics Inc.
M/N: URC-2125BC0-BX-XXX-XXXX-XXX-R

5/22/2014 10:34:00 AM
Sequence: Final Measurements

Final Scan - FCC Class B

Freq (MHz)	Pol	(PEAK) EMI (dBμV/m)	(QP) EMI (dBμV/m)	(PEAK) Margin (dB)	(QP) Margin (dB)	Limit (dBμV/m)	Transducer (dB)	Cable (dB)	Twr Ht (cm)	Ttbl Aql (deg)
118.70	V	18.53	13.79	-24.97	-29.71	43.50	15.53	0.78	258.68	104.75
128.00	H	24.95	23.36	-18.55	-20.14	43.50	15.34	0.81	171.28	129.50
128.00	V	19.59	16.08	-23.91	-27.42	43.50	15.34	0.81	316.83	180.25
180.10	V	17.03	13.36	-26.47	-30.14	43.50	15.00	0.97	242.86	149.75
185.20	H	17.19	13.20	-26.31	-30.30	43.50	14.84	0.98	157.85	183.25
192.00	H	24.72	22.98	-18.78	-20.52	43.50	14.63	0.99	171.40	109.75





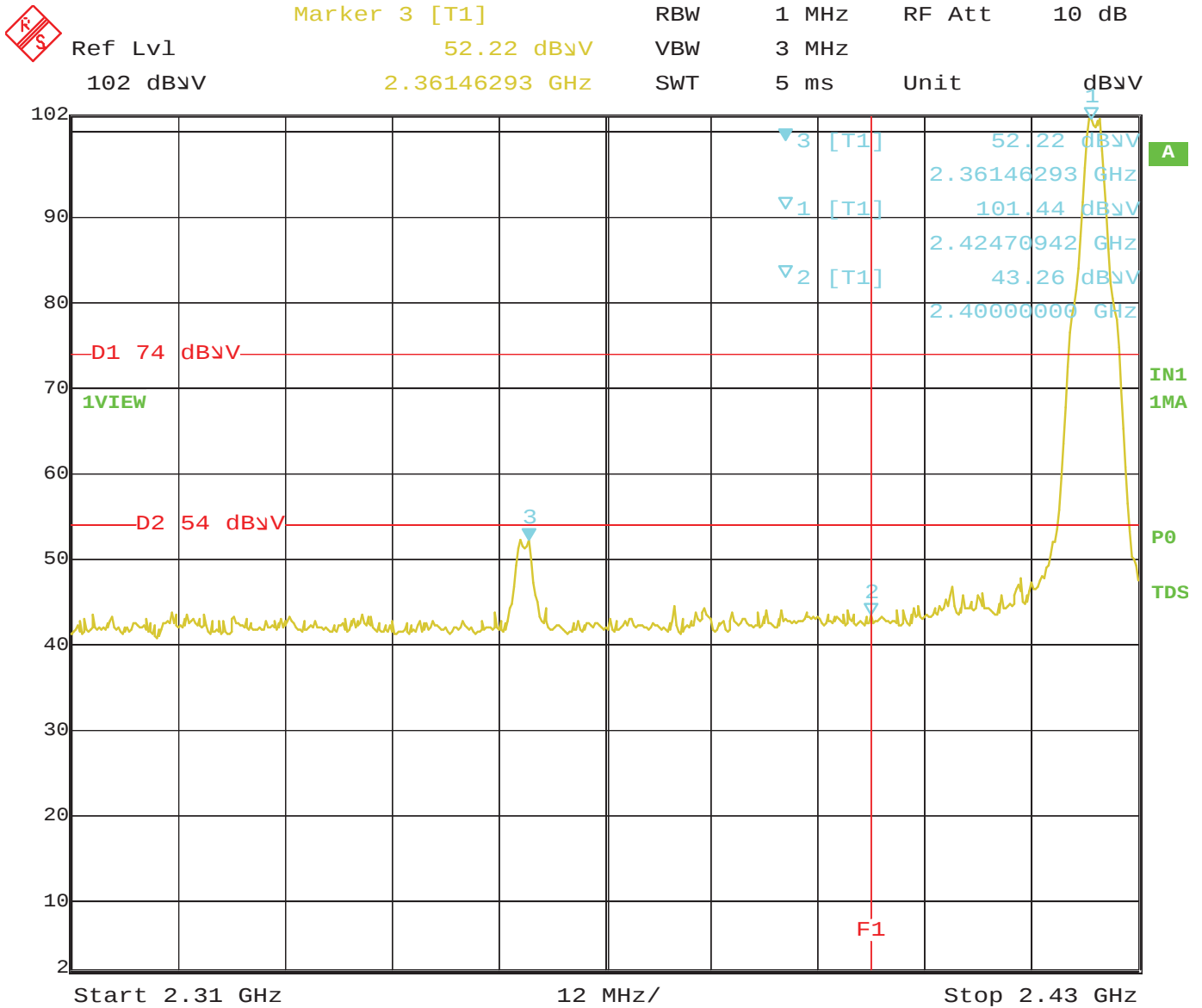
FCC 15.249

Universal Electronics, Inc.
UEI Champion Plus RF4CE 4 Device 2013
Model: URC-2125BC0-BX-XXX-XXXX-XXX-R

Date: 05/16/2014
Lab: B
Tested By: Kyle Fujimoto

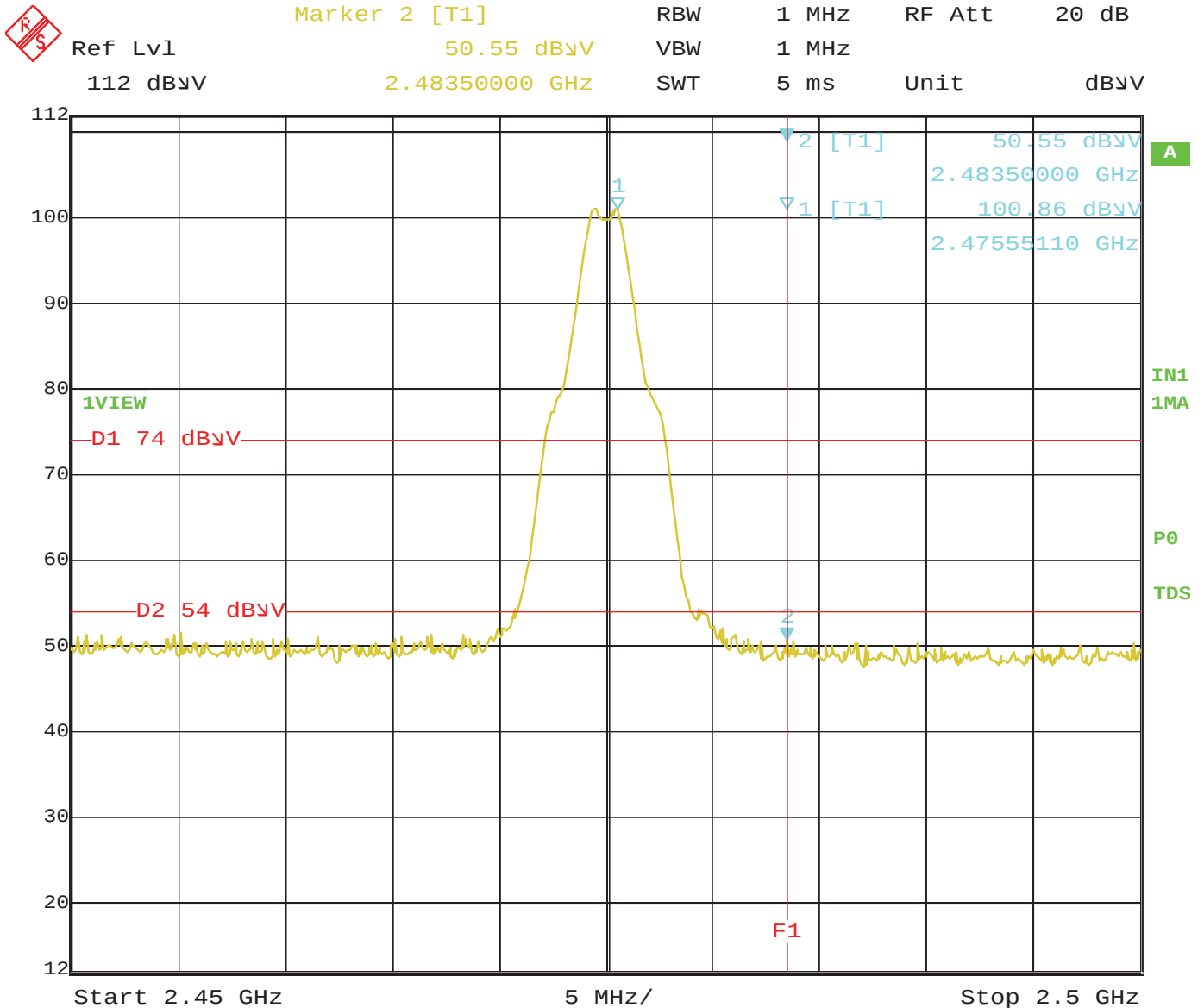
Band Edges - Low and High Channels

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2425	101.44	H	114	-12.56	Peak	1.25	155	Fundamental of
2425	81.44	H	94	-12.56	Avg	1.25	155	Low Channel
2400	43.26	H	74	-30.74	Peak	1.25	155	Band Edge of Low Channel
2400	23.26	H	54	-30.74	Avg	1.25	155	X-Axis Worst Case
2361.46	52.22	H	74	-21.78	Peak	1.25	155	Band Edge of Low Channel
2361.46	32.22	H	54	-21.78	Avg	1.25	155	X-Axis Worst Case
2475	100.86	H	114	-13.14	Peak	1.25	135	Fundamental of
2475	80.86	H	94	-13.14	Avg	1.25	135	High Channel
2483.5	50.55	H	74	-23.45	Peak	1.25	135	Band Edge of High Channel
2483.5	30.55	H	54	-23.45	Avg	1.25	135	X-Axis Worst Case
2425	100.94	V	114	-13.06	Peak	1.25	45	Fundamental
2425	80.94	V	94	-13.06	Avg	1.25	45	of Low Channel
2400	41.48	V	74	-72.52	Peak	1.25	45	Band Edge of Low Channel
2400	21.48	V	54	-72.52	Avg	1.25	45	Y-Axis Worst Case
2475	100.18	V	114	-13.82	Peak	1.25	90	Fundamental of
2475	80.18	V	94	-13.82	Avg	1.25	90	High Channel
2483.5	45.3	V	74	-68.7	Peak	1.25	45	Band Edge of High Channel
2483.5	25.3	V	54	-68.7	Avg	1.25	45	Z-Axis Worst Case



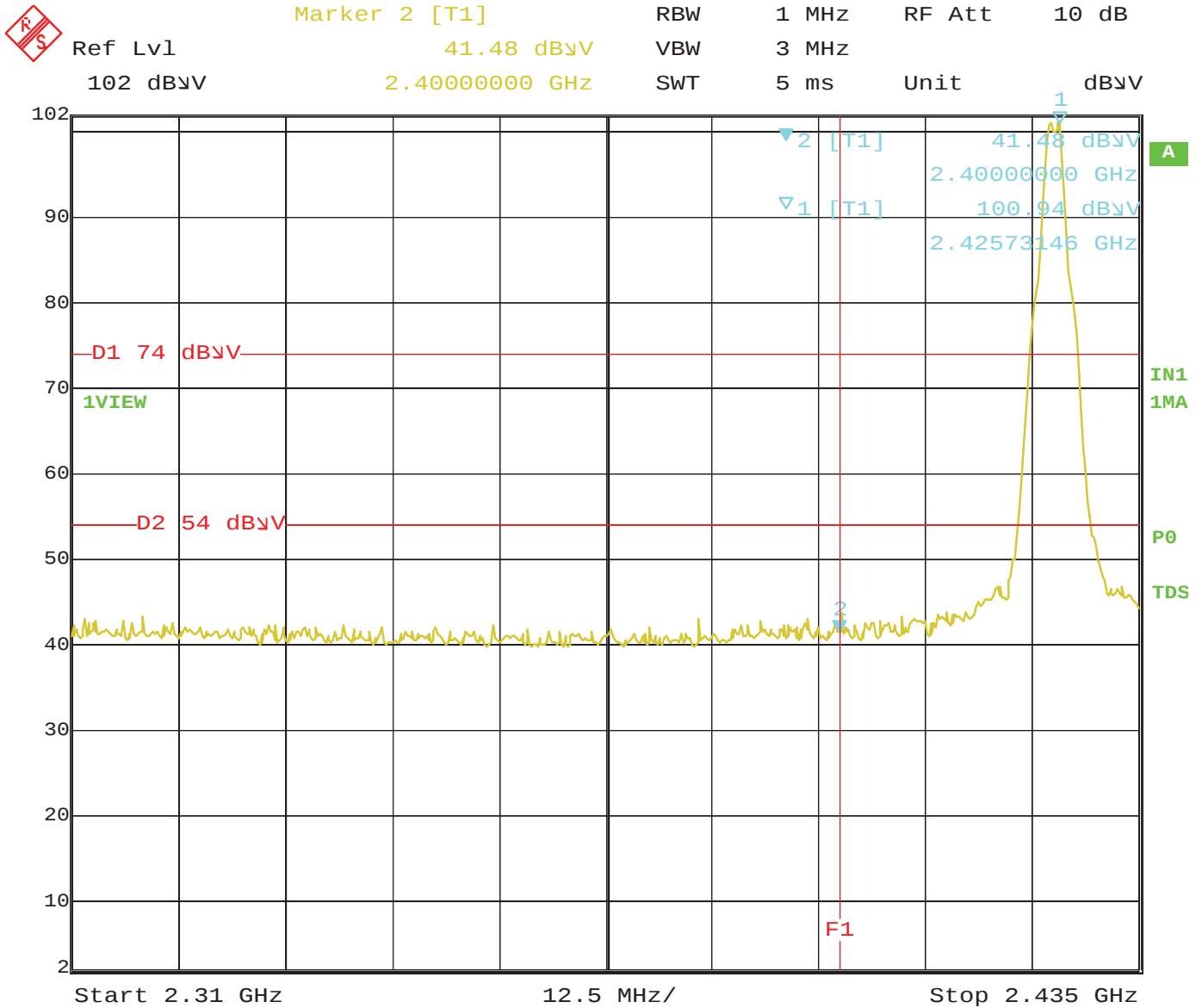
Date: 16.MAY.2014 08:49:37

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



Date: 16.MAY.2014 13:35:42

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



Date: 30.JUN.2014 12:57:24

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

