

*FCC PART 15, SUBPART B and C
TEST REPORT*

for

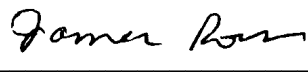
COMPACT HANDHELD TRANSMITTER

P/N: OTX-xxx-HH-CP8-HS

Prepared for

LINX TECHNOLOGIES
159 ORT LANE
MERLIN, OREGON 97532Prepared by: 

KYLE FUJIMOTO

Approved by: 

JAMES ROSS

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DATE: FEBRUARY 16, 2007

	REPORT BODY	APPENDICES					TOTAL
		<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	
PAGES	16	2	2	2	12	27	61

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TABLE OF CONTENTS

Section / Title	PAGE
GENERAL REPORT SUMMARY	4
SUMMARY OF TEST RESULTS	4
1. PURPOSE	5
2. ADMINISTRATIVE DATA	6
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
3. APPLICABLE DOCUMENTS	7
4. DESCRIPTION OF TEST CONFIGURATION	8
4.1 Description Of Test Configuration - EMI	8
4.1.1 Cable Construction and Termination	9
5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT	10
5.1 EUT and Accessory List	10
5.2 EMI Test Equipment	11
6. TEST SITE DESCRIPTION	12
6.1 Test Facility Description	12
6.2 EUT Mounting, Bonding and Grounding	12
7. TEST PROCEDURES	13
7.1 Radiated Emissions (Spurious and Harmonics) Test	13
7.2 Radiated Emissions (Spurious and Harmonics) Test (continued)	14
7.3 Bandwidth of the Fundamental	15
8. CONCLUSIONS	16

LIST OF APPENDICES

APPENDIX	TITLE
A	Laboratory Recognitions
B	Modifications to the EUT
C	Additional Models Covered Under This Report
D	Diagrams, Charts, and Photos • Test Setup Diagrams • Radiated Emissions Photos • Antenna and Effective Gain Factors
E	Data Sheets

LIST OF FIGURES

FIGURE	TITLE
1	Plot Map And Layout of 3 Meter Radiated Site

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 endorsement by NVLAP, NIST or any other agency of the U.S. Government.

Device Tested: Compact Handheld Transmitter
P/N: OTX-xxx-HH-CP8-HS
S/N: N/A

Product Description: See Expository Statement.

Modifications: The EUT was modified in order to meet the specifications. Please see the list located in Appendix B of this test report.

Manufacturer: Linx Technologies
159 Ort Lane
Merlin, Oregon 97532

Test Dates: December 27 and 28, 2006

Test Specifications: EMI requirements
CFR Title 47, Part 15 Subpart B; and Subpart C, Sections 15.205, 15.209 and 15.231

Test Procedure: ANSI C63.4

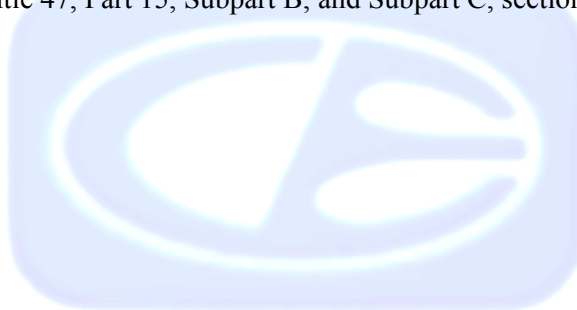
Test Deviations: The test procedure was not deviated from during the testing.

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Conducted RF Emissions, 150 kHz – 30 MHz	This test was not performed because the EUT is battery powered only and does not connect to the AC public mains.
2	Radiated RF Emissions, 9 kHz – 4400 MHz	Complies with the Class B limits of CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.231.

1. PURPOSE

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the Compact Handheld Transmitter, P/N: OTX-xxx-HH-CP8-HS. The EMI 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 15.231.



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

Linx Technologies

Paul True	President
Justin Hopper	Engineer

Compatible Electronics, Inc.

Kyle Fujimoto	Test Engineer
James Ross	Test Engineer

2.4 Date Test Sample was Received

The test sample was received on December 26, 2006

2.5 Disposition of the Test Sample

The sample has not been returned to Linx Technologies as of April 10, 2007.

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
PCB	Printed Circuit Board

3. APPLICABLE DOCUMENTS

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

SPEC	TITLE
CFR Title 47, Part 15	FCC Rules – Radio frequency devices (including digital devices)
ANSI C63.4 2003	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

4. DESCRIPTION OF TEST CONFIGURATION

4.1 Description Of Test Configuration - EMI

Setup and operation of the equipment under test.

Specifics of the EUT and Peripherals Tested

The Compact Handheld Transmitter P/N: OTX-xxx-HH-CP8-HS (EUT) was tested as a stand alone unit and tested in three orthogonal axis. The EUT was continuously transmitting

The antenna is a PCB trace.

After the EUT is activated by pressing the button, the transmission will cease operation immediately once the button is released.

The EUT comes in three different versions, the 315 MHz version, the 418 MHz version, and the 433.92 MHz version.

Each version of the transmitter was tested separately.

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

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**

EQUIPMENT	MANUFACTURER	PART NUMBER	SERIAL NUMBER	FCC ID
COMPACT HANDHELD TRANSMITTER (EUT)	LINX TECHNOLOGIES	OTX-xxx-HH-CP8-HS	N/A	OJM-OTX-XXX-CPHSA

5.2 EMI Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
GENERAL TEST EQUIPMENT USED FOR ALL RF EMISSIONS TESTS					
EMI Receiver	Rohde & Schwarz	ESIB40	100194	November 18, 2005	Nov. 18, 2007
Computer	Hewlett Packard	4530	US91912319	N/A	N/A
Monitor	Hewlett Packard	D5258A	TW74500641	N/A	N/A
RF RADIATED EMISSIONS TEST EQUIPMENT					
Radiated Emissions Data Capture Program	Compatible Electronics	2.0	N/A	N/A	N/A
Loop Antenna	Com-Power	AL-130	17089	September 21, 2005	Sept. 21, 2007
Biconical Antenna	Com-Power	AB-900	15227	March 9, 2006	March 9, 2007
Log Periodic Antenna	Com-Power	AL-100	16060	July 17, 2006	July 17, 2007
Preamplifier	Com-Power	PA-102	1017	January 19, 2006	Jan. 19, 2007
Horn Antenna	Antenna Research	DRG-118/A	1053	March 6, 2006	March 6, 2008
Microwave Preamplifier	Com Power	PA-122	181917	January 20, 2006	Jan. 20, 2007
Antenna Mast	Com Power	AM-100	N/A	N/A	N/A

6. TEST SITE DESCRIPTION

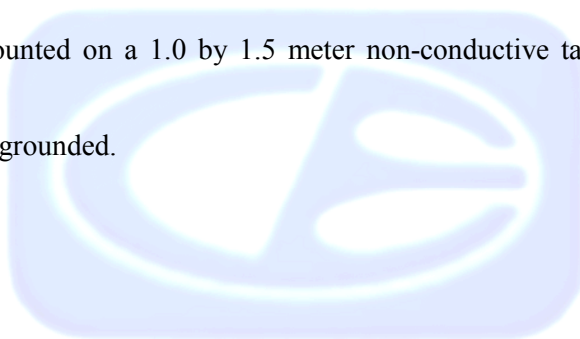
6.1 Test Facility Description

Please refer to section 2.1 and 7.1 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 Radiated Emissions (Spurious and Harmonics) Test

The EMI Receiver was used as a measuring meter along with the quasi-peak adapter. Amplifiers were used to increase the sensitivity of the instrument. The Com-Power Preamplifier Model: PA-102 was used for frequencies from 30 MHz to 1 GHz, and the Com-Power Microwave Preamplifier Model: PA-122 was used for frequencies from 1 GHz to 4.4 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 readings were averaged by a "duty cycle correction factor", derived from $20 \log$ (dwell time / one pulse train with blanking interval).

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

FREQUENCY RANGE	EFFECTIVE MEASUREMENT BANDWIDTH	TRANSDUCER
9 kHz to 150 kHz	200 Hz	Active Loop Antenna
150 kHz to 30 MHz	9 kHz	Active Loop Antenna
30 MHz to 300 MHz	120 kHz	Biconical Antenna
300 MHz to 1 GHz	120 kHz	Log Periodic Antenna
1 GHz to 4.4 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. 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 gunsight method was used when measuring with the horn antenna in order to ensure accurate results. The loop antenna was also rotated in the horizontal and vertical axis in order to ensure accurate results.

7.2 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 to obtain final test data. The final qualification data sheets are located in Appendix E.

Test Results:

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and CFR Title 47, Part 15, Subpart C, sections 15.205, 15.209, and 15.231.

7.3 Bandwidth of the Fundamental

The -20 dB bandwidth was checked to see that it was within 0.25% of the fundamental frequency for the EUT. Plots of the -20 dB bandwidth are located in Appendix E.

Test Results:

The EUT complies with the requirements of CFR Title 47, Part 15, Subpart C, section 15.231 (c) for the -20 dB bandwidth of the fundamental. The EUT has a -20dB bandwidth that is less than 0.25% of frequency of the fundamental.



8. CONCLUSIONS

The Compact Handheld Transmitter, P/N: OTX-xxx-HH-CP8-HS meets all of the **Class B** specification limits defined in CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.231.



APPENDIX A

LABORATORY 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 RECOGNITIONS

Compatible Electronics has the following agency accreditations:

National Voluntary Laboratory Accreditation Program - Lab Code: 200528-0

Voluntary Control Council for Interference - Registration Numbers: R-983, C-1026, R-984 and C-1027

Bureau of Standards and Metrology Inspection - Reference Number: SL2-IN-E-1031

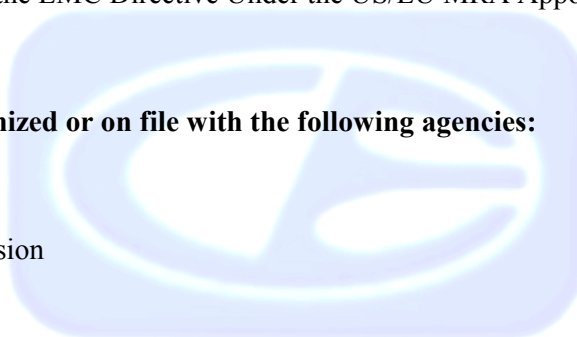
Conformity Assessment Body for the EMC Directive Under the US/EU MRA Appointed by NIST

Compatible Electronics is recognized or on file with the following agencies:

Federal Communications Commission

Industry Canada

Radio-Frequency Technologies (Competent Body)



APPENDIX B

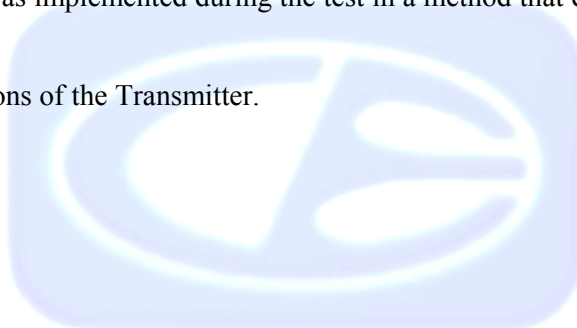
MODIFICATIONS TO THE EUT

MODIFICATIONS TO THE EUT

The modifications listed below were made to the EUT to pass FCC 15.231 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.

Short R13 (0 Ohms) on All Versions of the Transmitter.



APPENDIX C

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

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

Compact Handheld Transmitter
P/N: OTX-xxx-HH-CP8-HS
S/N: N/A

There were no additional models covered under this report.

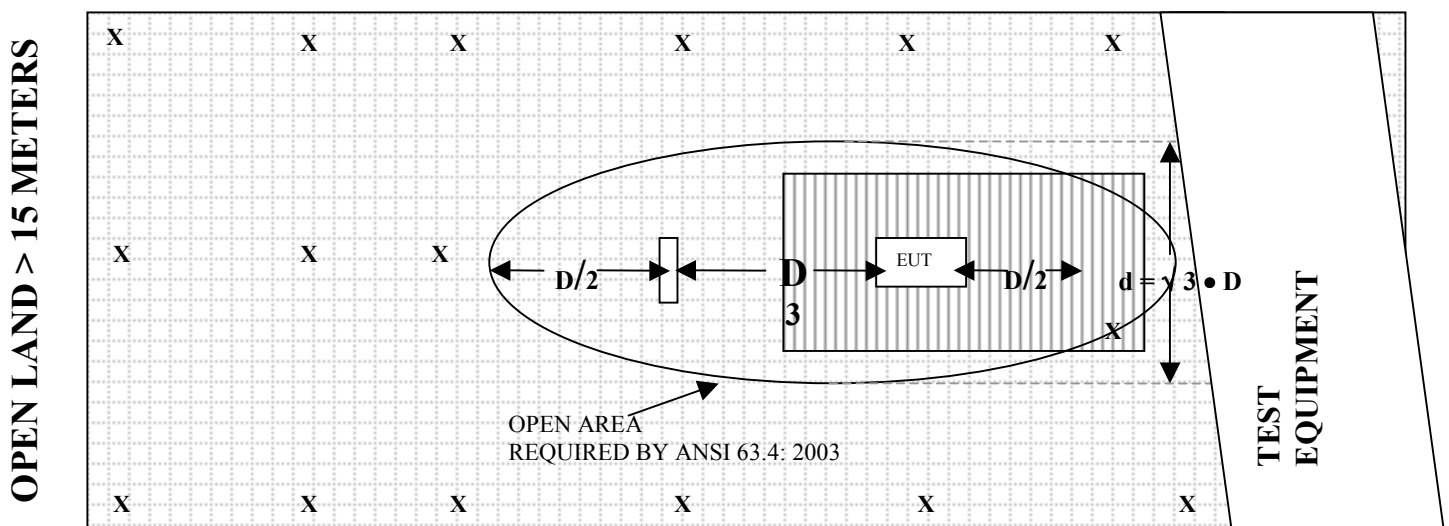


APPENDIX D

DIAGRAMS, CHARTS, AND PHOTOS

FIGURE 1: PLOT MAP AND LAYOUT OF 3 METER RADIATED SITE

OPEN LAND > 15 METERS



OPEN LAND > 15 METERS

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

COM-POWER AB-900**BICONICAL ANTENNA****S/N: 15227****CALIBRATION DATE: MARCH 9, 2006**

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	11.12	120	13.50
35	10.17	125	12.63
40	9.75	140	12.20
45	12.22	150	11.85
50	13.28	160	13.25
60	11.36	175	15.74
70	7.95	180	16.23
80	5.95	200	16.79
90	7.62	250	16.47
100	10.89	300	17.49

COM-POWER AL-100

LOG PERIODIC ANTENNA

S/N: 16060

CALIBRATION DATE: JULY 17, 2006

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
300	13.58	700	20.49
400	14.53	800	20.13
500	15.36	900	22.15
600	18.29	1000	22.76

COM-POWER PA-102**PREAMPLIFIER**

S/N: 1017

CALIBRATION DATE: JANUARY 19, 2006

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	38.3	300	38.4
40	38.4	350	38.4
50	38.3	400	38.0
60	38.4	450	38.1
70	38.5	500	37.5
80	38.4	550	38.0
90	38.4	600	38.0
100	38.4	650	37.7
125	38.1	700	37.7
150	38.5	750	37.7
175	38.4	800	37.0
200	38.3	850	37.2
225	38.3	900	36.6
250	38.1	950	36.3
275	38.3	1000	36.3

COM-POWER PA-122**PREAMPLIFIER**

S/N: 181917

CALIBRATION DATE: JANUARY 20, 2006

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	34.697	10.0	36.558
1.5	33.817	10.5	35.048
2.0	33.587	11.0	33.258
2.5	33.804	11.5	32.960
3.0	33.850	12.0	33.312
3.5	33.943	12.5	33.836
4.0	34.399	13.0	34.178
4.5	34.847	13.5	34.197
5.0	35.172	14.0	33.769
5.5	35.383	14.5	33.392
6.0	35.539	15.0	33.387
6.5	34.802	15.5	34.038
7.0	33.793	16.0	34.884
7.5	33.511	16.5	35.740
8.0	33.910	17.0	35.341
8.5	34.907	17.5	34.729
9.0	36.036	18.0	33.760
9.5	36.661		

ANTENNA RESEARCH DRG-118/A**HORN ANTENNA**

S/N: 1053

CALIBRATION DATE: MARCH 6, 2006

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	24.46	10.0	39.55
1.5	25.05	10.5	39.86
2.0	28.42	11.0	38.49
2.5	29.91	11.5	40.71
3.0	31.46	12.0	40.59
3.5	31.91	12.5	40.17
4.0	31.55	13.0	39.70
4.5	31.94	13.5	40.84
5.0	32.90	14.0	41.58
5.5	34.07	14.5	45.14
6.0	35.69	15.0	42.20
6.5	33.11	15.5	39.42
7.0	36.51	16.0	38.80
7.5	37.27	16.5	41.08
8.0	37.21	17.0	44.11
8.5	37.16	17.5	46.29
9.0	38.27	18.0	41.61
9.5	39.73		

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

S/N: 17089

CALIBRATION DATE: SEPTEMBER 21, 2005

FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)
0.009	-42.84	8.66
0.01	-41.93	9.57
0.02	-41.29	10.21
0.05	-42.37	9.13
0.07	-41.8	9.7
0.1	-41.83	9.67
0.2	-44.13	7.37
0.3	-41.73	9.77
0.5	-41.8	9.7
0.7	-41.53	9.97
1	-41.46	10.04
2	-41.14	10.36
3	-41.26	10.24
4	-41.46	10.04
5	-41.10	10.40
10	-40.83	10.67
15	-41.47	10.03
20	-35.44	16.06
25	-42.37	9.13
30	-42.94	8.56



FRONT VIEW

LINX TECHNOLOGIES
COMPACT HANDHELD TRANSMITTER
P/N: OTX-xxx-HH-CP8-HS

FCC SUBPART B AND FCC SUBPART C – RADIATED EMISSIONS – LAB B

**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



REAR VIEW

LINX TECHNOLOGIES
COMPACT HANDHELD TRANSMITTER
P/N: OTX-xxx-HH-CP8-HS
FCC SUBPART B AND FCC SUBPART C – RADIATED EMISSIONS – LAB B

**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



FRONT VIEW

LINX TECHNOLOGIES
COMPACT HANDHELD TRANSMITTER
P/N: OTX-xxx-HH-CP8-HS

FCC SUBPART B AND FCC SUBPART C – RADIATED EMISSIONS – LAB D

**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
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(949) 589-0700

Lake Forest Division
20621 Pascal Way
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(949) 587-0400



REAR VIEW

LINX TECHNOLOGIES
COMPACT HANDHELD TRANSMITTER
P/N: OTX-xxx-HH-CP8-HS

FCC SUBPART B AND FCC SUBPART C – RADIATED EMISSIONS – LAB D

**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
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Silverado, CA 92676
(949) 589-0700

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

APPENDIX E

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

X-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
315	62.59	V	95.6	-33.01	Peak	1	135	
315	56.33	V	75.6	-19.27	Avg	1	135	
630	20.18	V	75.6	-55.42	Peak	1.15	180	
630	13.92	V	55.6	-41.68	Avg	1.15	180	
945	26.45	V	75.6	-49.15	Peak	1	90	
945	20.19	V	55.6	-35.41	Avg	1	90	
1260	32.26	V	74	-41.74	Peak	2.12	135	
1260	26	V	54	-28	Avg	2.12	135	
1575	40.04	V	74	-33.96	Peak	2.54	135	
1575	33.78	V	54	-20.22	Avg	2.54	135	
1890	41.89	V	75.6	-33.71	Peak	1.37	225	
1890	35.63	V	55.6	-19.97	Avg	1.37	225	
2205	45.31	V	74	-28.69	Peak	1.41	135	
2205	39.05	V	54	-14.95	Avg	1.41	135	
2520	51.42	V	75.6	-24.18	Peak	1.05	225	
2520	45.16	V	55.6	-10.44	Avg	1.05	225	
2835	46.44	V	74	-27.56	Peak	2.25	135	
2835	40.18	V	54	-13.82	Avg	2.25	135	
3150	44.11	V	75.6	-31.49	Peak	1.66	135	
3150	37.85	V	55.6	-17.75	Avg	1.66	135	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

X-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
315	74.56	H	95.6	-21.04	Peak	1	90	
315	68.3	H	75.6	-7.3	Avg	1	90	
630	24.94	H	75.6	-50.66	Peak	1	90	
630	18.68	H	55.6	-36.92	Avg	1	90	
945	22.87	H	75.6	-52.73	Peak	1	135	
945	16.61	H	55.6	-38.99	Avg	1	135	
1260	34.23	H	74	-39.77	Peak	1.39	135	
1260	27.97	H	54	-26.03	Avg	1.39	135	
1575	45.19	H	74	-28.81	Peak	1.87	180	
1575	38.93	H	54	-15.07	Avg	1.87	180	
1890	36.51	H	75.6	-39.09	Peak	1.99	135	
1890	30.25	H	55.6	-25.35	Avg	1.99	135	
2205	44.68	H	74	-29.32	Peak	2.14	135	
2205	38.42	H	54	-15.58	Avg	2.14	135	
2520	50.29	H	75.6	-25.31	Peak	1.39	315	
2520	44.03	H	55.6	-11.57	Avg	1.39	315	
2835	40.59	H	74	-33.41	Peak	1.39	135	
2835	34.33	H	54	-19.67	Avg	1.39	135	
3150	41.33	H	75.6	-34.27	Peak	1.39	250	
3150	35.07	H	55.6	-20.53	Avg	1.39	250	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Y-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
315	62.94	H	95.6	-32.66	Peak	1	90	
315	56.68	H	75.6	-18.92	Avg	1	90	
630	25.26	H	75.6	-50.34	Peak	1	135	
630	19	H	55.6	-36.6	Avg	1	135	
945	23.99	H	75.6	-51.61	Peak	1	180	
945	17.73	H	55.6	-37.87	Avg	1	180	
1260	32.98	H	74	-41.02	Peak	2.09	135	
1260	26.72	H	54	-27.28	Avg	2.09	135	
1575	36.18	H	74	-37.82	Peak	1.46	225	
1575	29.92	H	54	-24.08	Avg	1.46	225	
1890	36.39	H	75.6	-39.21	Peak	1.46	135	
1890	30.13	H	55.6	-25.47	Avg	1.46	135	
2205	44.35	H	74	-29.65	Peak	2.06	135	
2205	38.09	H	54	-15.91	Avg	2.06	135	
2520	53.94	H	75.6	-21.66	Peak	1.75	135	
2520	47.68	H	55.6	-7.92	Avg	1.75	135	
2835	45.81	H	74	-28.19	Peak	2.41	135	
2835	39.55	H	54	-14.45	Avg	2.41	135	
3150	46.83	H	75.6	-28.77	Peak	2.14	135	
3150	40.57	H	55.6	-15.03	Avg	2.14	135	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Y-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
315	71.88	V	95.6	-23.72	Peak	1.5	135	
315	65.62	V	75.6	-9.98	Avg	1.5	135	
630	23.84	V	75.6	-51.76	Peak	1	180	
630	17.58	V	55.6	-38.02	Avg	1	180	
945	26.58	V	75.6	-49.02	Peak	1	90	
945	20.32	V	55.6	-35.28	Avg	1	90	
1260	44.51	V	74	-29.49	Peak	1.75	135	
1260	38.25	V	54	-15.75	Avg	1.75	135	
1575	42.69	V	74	-31.31	Peak	1.24	135	
1575	36.43	V	54	-17.57	Avg	1.24	135	
1890	39.39	V	75.6	-36.21	Peak	2.23	135	
1890	33.13	V	55.6	-22.47	Avg	2.23	135	
2205	47.48	V	74	-26.52	Peak	1.77	180	
2205	41.22	V	54	-12.78	Avg	1.77	180	
2520	49.72	V	75.6	-25.88	Peak	1.39	225	
2520	43.46	V	55.6	-12.14	Avg	1.39	225	
2835	45.62	V	74	-28.38	Peak	1.25	135	
2835	39.36	V	54	-14.64	Avg	1.25	135	
3150	44.36	V	75.6	-31.24	Peak	1.25	135	
3150	38.1	V	55.6	-17.5	Avg	1.25	135	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Z-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
315	71.46	V	95.6	-24.14	Peak	1	90	
315	65.2	V	75.6	-10.4	Avg	1	90	
630	17.59	V	75.6	-58.01	Peak	1	135	
630	11.33	V	55.6	-44.27	Avg	1	135	
945	26.41	V	75.6	-49.19	Peak	1	135	
945	20.15	V	55.6	-35.45	Avg	1	135	
1260	32.92	V	74	-41.08	Peak	1.91	135	
1260	26.66	V	54	-27.34	Avg	1.91	135	
1575	39.76	V	74	-34.24	Peak	1.98	135	
1575	33.5	V	54	-20.5	Avg	1.98	135	
1890	39.57	V	75.6	-36.03	Peak	1.32	0	
1890	33.31	V	55.6	-22.29	Avg	1.32	0	
2205	46.71	V	74	-27.29	Peak	1.21	135	
2205	40.45	V	54	-13.55	Avg	1.21	135	
2520	52.42	V	75.6	-23.18	Peak	1.19	135	
2520	46.16	V	55.6	-9.44	Avg	1.19	135	
2835	42.49	V	74	-31.51	Peak	2.71	135	
2835	36.23	V	54	-17.77	Avg	2.71	135	
3150	44.49	V	75.6	-31.11	Peak	2.12	135	
3150	38.23	V	55.6	-17.37	Avg	2.12	135	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Z-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
315	73.51	H	95.6	-22.09	Peak	1	135	
315	67.25	H	75.6	-8.35	Avg	1	135	
630	23.62	H	75.6	-51.98	Peak	1	90	
630	17.36	H	55.6	-38.24	Avg	1	90	
945	25.65	H	75.6	-49.95	Peak	1.15	135	
945	19.39	H	55.6	-36.21	Avg	1.15	135	
1260	32.33	H	74	-41.67	Peak	2.14	135	
1260	26.07	H	54	-27.93	Avg	2.14	135	
1575	42.03	H	74	-31.97	Peak	2.12	135	
1575	35.77	H	54	-18.23	Avg	2.12	135	
1890	38.72	H	75.6	-36.88	Peak	2.21	315	
1890	32.46	H	55.6	-23.14	Avg	2.21	135	
2205	44.71	H	74	-29.29	Peak	2.51	135	
2205	38.45	H	54	-15.55	Avg	2.51	135	
2520	46.66	H	75.6	-28.94	Peak	2.49	135	
2520	40.4	H	55.6	-15.2	Avg	2.49	135	
2835	46.78	H	74	-27.22	Peak	2.56	135	
2835	40.52	H	54	-13.48	Avg	2.56	135	
3150	45.92	H	75.6	-29.68	Peak	2.52	135	
3150	39.66	H	55.6	-15.94	Avg	2.52	135	

Linux Technologies
Compact Handheld Transmitter
P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
Labs: B and D
Tested By: Kyle Fujimoto

X-Axis (Worst Case)

Digital Portion and Non-Harmonic Emissions from the Tx -- 9 kHz to 3200 MHz

[illegible]

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/28/06
 Labs: B and D
 Tested By: Kyle Fujimoto

X-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
418	74.36	V	100.28	-25.92	Peak	1	135	
418	68.1	V	80.28	-12.18	Avg	1	135	
836	32.05	V	80.28	-48.23	Peak	1	90	
836	25.79	V	60.28	-34.49	Avg	1	90	
1254	41.22	V	74	-32.78	Peak	1.25	135	
1254	34.96	V	54	-19.04	Avg	1.25	135	
1672	48.57	V	74	-25.43	Peak	1.75	135	
1672	42.31	V	54	-11.69	Avg	1.75	135	
2090	41.11	V	80.28	-39.17	Peak	1	135	
2090	34.85	V	60.28	-25.43	Avg	1	135	
2508	43.63	V	80.28	-36.65	Peak	1	135	
2508	37.37	V	60.28	-22.91	Avg	1	135	
2926	43.21	V	80.28	-37.07	Peak	1	135	
2926	36.95	V	60.28	-23.33	Avg	1	135	
3344	49.86	V	80.28	-30.42	Peak	1.63	135	
3344	43.6	V	60.28	-16.68	Avg	1.63	135	
3762	46.01	V	74	-27.99	Peak	1.35	125	
3762	39.75	V	54	-14.25	Avg	1.35	125	
4180	40.96	V	74	-33.04	Peak	1	135	
4180	34.7	V	54	-19.3	Avg	1	135	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/28/06
 Labs: B and D
 Tested By: Kyle Fujimoto

X-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
418	84.12	H	100.28	-16.16	Peak	1	135	
418	77.86	H	80.28	-2.42	Avg	1	135	
836	38.75	H	80.28	-41.53	Peak	1.5	90	
836	32.49	H	60.28	-27.79	Avg	1.5	90	
1254	32.53	H	74	-41.47	Peak	1.25	180	
1254	26.27	H	54	-27.73	Avg	1.25	180	
1672	47.53	H	74	-26.47	Peak	1.69	135	
1672	41.27	H	54	-12.73	Avg	1.69	135	
2090	41.47	H	80.28	-38.81	Peak	1.69	180	
2090	35.21	H	60.28	-25.07	Avg	1.69	180	
2508	43.05	H	80.28	-37.23	Peak	1.66	180	
2508	36.79	H	60.28	-23.49	Avg	1.66	180	
2926	44.33	H	80.28	-35.95	Peak	1.45	180	
2926	38.07	H	60.28	-22.21	Avg	1.45	180	
3344	47.58	H	80.28	-32.7	Peak	1.44	135	
3344	41.32	H	60.28	-18.96	Avg	1.44	135	
3762	45.57	H	74	-28.43	Peak	1	135	
3762	39.31	H	54	-14.69	Avg	1	135	
4180	41.86	H	74	-32.14	Peak	1.43	135	
4180	35.6	H	54	-18.4	Avg	1.43	135	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/28/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Y-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
418	78.01	V	100.28	-22.27	Peak	1	90	
418	71.75	V	80.28	-8.53	Avg	1	90	
836	38.85	V	80.28	-41.43	Peak	1.35	90	
836	32.59	V	60.28	-27.69	Avg	1.35	90	
1254	33.33	V	74	-40.67	Peak	1	135	
1254	27.07	V	54	-26.93	Avg	1	135	
1672	52.22	V	74	-21.78	Peak	1.25	90	
1672	45.96	V	54	-8.04	Avg	1.25	90	
2090	43.23	V	80.28	-37.05	Peak	1.35	90	
2090	36.97	V	60.28	-23.31	Avg	1.35	90	
2508	42.88	V	80.28	-37.4	Peak	1.35	90	
2508	36.62	V	60.28	-23.66	Avg	1.35	90	
2926	46.67	V	80.28	-33.61	Peak	1.32	135	
2926	40.41	V	60.28	-19.87	Avg	1.32	135	
3344	50.99	V	80.28	-29.29	Peak	1.02	135	
3344	44.73	V	60.28	-15.55	Avg	1.02	135	
3762	45.57	V	74	-28.43	Peak	1	135	
3762	39.31	V	54	-14.69	Avg	1	135	
4180	48.67	V	74	-25.33	Peak	1.53	135	
4180	42.41	V	54	-11.59	Avg	1.53	135	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/28/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Y-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
418	75.64	H	100.28	-24.64	Peak	1	90	
418	69.38	H	80.28	-10.9	Avg	1	90	
836	31.67	H	80.28	-48.61	Peak	1.5	90	
836	25.41	H	60.28	-34.87	Avg	1.5	90	
1254	34.03	H	74	-39.97	Peak	1.74	135	
1254	27.77	H	54	-26.23	Avg	1.74	135	
1672	39.41	H	74	-34.59	Peak	1.37	135	
1672	33.15	H	54	-20.85	Avg	1.37	135	
2090	40.69	H	80.28	-39.59	Peak	1.37	135	
2090	34.43	H	60.28	-25.85	Avg	1.37	135	
2508	48.16	H	80.28	-32.12	Peak	1.78	135	
2508	41.9	H	60.28	-18.38	Avg	1.78	135	
2926	46.35	H	80.28	-33.93	Peak	1.38	135	
2926	40.09	H	60.28	-20.19	Avg	1.38	135	
3344	50.44	H	80.28	-29.84	Peak	1.03	135	
3344	44.18	H	60.28	-16.1	Avg	1.03	135	
3762	50.81	H	74	-23.19	Peak	1.53	135	
3762	44.55	H	54	-9.45	Avg	1.53	135	
4180	47.11	H	74	-26.89	Peak	1.52	135	
4180	40.85	H	54	-13.15	Avg	1.52	135	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/28/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Z-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
418	78.05	V	100.28	-22.23	Peak	1	90	
418	71.79	V	80.28	-8.49	Avg	1	90	
836	38.41	V	80.28	-41.87	Peak	1.35	90	
836	32.15	V	60.28	-28.13	Avg	1.35	90	
1254	32.01	V	74	-41.99	Peak	1.35	90	
1254	25.75	V	54	-28.25	Avg	1.35	90	
1672	44.32	V	74	-29.68	Peak	1	135	
1672	38.06	V	54	-15.94	Avg	1	135	
2090	41.48	V	80.28	-38.8	Peak	1.25	90	
2090	35.22	V	60.28	-25.06	Avg	1.25	90	
2508	44.85	V	80.28	-35.43	Peak	1.25	90	
2508	38.59	V	60.28	-21.69	Avg	1.25	90	
2926	47.39	V	80.28	-32.89	Peak	1.5	135	
2926	41.13	V	60.28	-19.15	Avg	1.5	135	
3344	51.28	V	80.28	-29	Peak	1.25	90	
3344	45.02	V	60.28	-15.26	Avg	1.25	90	
3762	48.22	V	74	-25.78	Peak	1.25	45	
3762	41.96	V	54	-12.04	Avg	1.25	45	
4180	43.37	V	74	-30.63	Peak	1.25	45	
4180	37.11	V	54	-16.89	Avg	1.25	45	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/28/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Z-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
418	82.36	H	100.28	-17.92	Peak	1	135	
418	76.1	H	80.28	-4.18	Avg	1	135	
836	41.25	H	80.28	-39.03	Peak	1	90	
836	34.99	H	60.28	-25.29	Avg	1	90	
1254	33.75	H	74	-40.25	Peak	1.25	135	
1254	27.49	H	54	-26.51	Avg	1.25	135	
1672	44.18	H	74	-29.82	Peak	1.25	135	
1672	37.92	H	54	-16.08	Avg	1.25	135	
2090	39.42	H	80.28	-40.86	Peak	1.26	135	
2090	33.16	H	60.28	-27.12	Avg	1.26	135	
2508	40.56	H	80.28	-39.72	Peak	1.26	135	
2508	34.3	H	60.28	-25.98	Avg	1.26	135	
2926	45.18	H	80.28	-35.1	Peak	1.25	225	
2926	38.92	H	60.28	-21.36	Avg	1.25	225	
3344	51.48	H	80.28	-28.8	Peak	1.25	135	
3344	45.22	H	60.28	-15.06	Avg	1.25	135	
3762	48.71	H	74	-25.29	Peak	1.35	180	
3762	42.45	H	54	-11.55	Avg	1.35	180	
4180	49.88	H	74	-24.12	Peak	1	135	
4180	43.62	H	54	-10.38	Avg	1	135	

Linux Technologies
Compact Handheld Transmitter
P/N: OTX-xxx-HH-CP8-HS

Date: 12/28/06
Labs: B and D
Tested By: Kyle Fujimoto

X-Axis (Worst Case)

Digital Portion and Non-Harmonic Emissions from the Tx -- 9 kHz to 4200 MHz

[illegible]

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

X-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
433.92	65.98	V	100.8	-34.82	Peak	1	135	
433.92	59.72	V	80.8	-21.08	Avg	1	135	
867.84	30.81	V	80.8	-49.99	Peak	1.15	225	
867.84	24.55	V	60.8	-36.25	Avg	1.15	225	
1301.76	30.32	V	74	-43.68	Peak	2.21	225	
1301.76	24.06	V	54	-29.94	Avg	2.21	225	
1735.68	40.16	V	74	-33.84	Peak	2.48	225	
1735.68	33.9	V	54	-20.1	Avg	2.48	225	
2169.6	42.85	V	74	-31.15	Peak	2.01	270	
2169.6	36.59	V	54	-17.41	Avg	2.01	270	
2603.52	43.54	V	74	-30.46	Peak	3.01	270	
2603.52	37.28	V	54	-16.72	Avg	3.01	270	
3037.4	43.04	V	74	-30.96	Peak	2.15	0	
3037.4	36.78	V	54	-17.22	Avg	2.15	0	
3471.3	51.63	V	74	-22.37	Peak	3.24	180	
3471.3	45.37	V	54	-8.63	Avg	3.24	180	
3905.28	42.27	V	74	-31.73	Peak	2.58	225	
3905.28	36.01	V	54	-17.99	Avg	2.58	225	
4339.2	45.09	V	74	-28.91	Peak	1.2	180	
4339.2	38.83	V	54	-15.17	Avg	1.2	180	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

X-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
433.92	80.96	H	100.8	-19.84	Peak	1	90	
433.92	74.7	H	80.8	-6.1	Avg	1	90	
867.84	32.73	H	80.8	-48.07	Peak	1	90	
867.84	26.47	H	60.8	-34.33	Avg	1	90	
1301.76	29.11	H	74	-44.89	Peak	1.42	135	
1301.76	22.85	H	54	-31.15	Avg	1.42	135	
1735.68	47.55	H	74	-26.45	Peak	1.36	90	
1735.68	41.29	H	54	-12.71	Avg	1.36	90	
2169.6	43.9	H	74	-30.1	Peak	2.83	180	
2169.6	37.64	H	54	-16.36	Avg	2.83	180	
2603.52	42.38	H	74	-31.62	Peak	1	0	
2603.52	36.12	H	54	-17.88	Avg	1	0	
3037.4	44.04	H	74	-29.96	Peak	3.25	135	
3037.4	37.78	H	54	-16.22	Avg	3.25	135	
3471.3	52.37	H	74	-21.63	Peak	3.29	180	
3471.3	46.11	H	54	-7.89	Avg	3.29	180	
3905.28	42.86	H	74	-31.14	Peak	3.28	180	
3905.28	36.6	H	54	-17.4	Avg	3.28	180	
4339.2	44.51	H	74	-29.49	Peak	2.81	225	
4339.2	38.25	H	54	-15.75	Avg	2.81	225	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Y-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
433.92	77.31	V	100.8	-23.49	Peak	1	90	
433.92	71.05	V	80.8	-9.75	Avg	1	90	
867.84	24.51	V	80.8	-56.29	Peak	1.25	90	
867.84	18.25	V	60.8	-42.55	Avg	1.25	90	
1301.76	31.32	V	74	-42.68	Peak	2.56	270	
1301.76	25.06	V	54	-28.94	Avg	2.56	270	
1735.68	45.96	V	74	-28.04	Peak	1.94	270	
1735.68	39.7	V	54	-14.3	Avg	1.94	270	
2169.6	44.09	V	74	-29.91	Peak	2.59	180	
2169.6	37.83	V	54	-16.17	Avg	2.59	180	
2603.52	42	V	74	-32	Peak	1.01	90	
2603.52	35.74	V	54	-18.26	Avg	1.01	90	
3037.4	46.13	V	74	-27.87	Peak	1.57	225	
3037.4	39.87	V	54	-14.13	Avg	1.57	225	
3471.3	52.64	V	74	-21.36	Peak	2.77	225	
3471.3	46.38	V	54	-7.62	Avg	2.77	225	
3905.28	43.72	V	74	-30.28	Peak	1.31	270	
3905.28	37.46	V	54	-16.54	Avg	1.31	270	
4339.2	54.56	V	74	-19.44	Peak	2.59	180	
4339.2	48.3	V	54	-5.7	Avg	2.59	180	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Y-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
433.92	72.39	H	100.8	-28.41	Peak	1	90	
433.92	66.13	H	80.8	-14.67	Avg	1	90	
867.84	26.11	H	80.8	-54.69	Peak	1	135	
867.84	19.85	H	60.8	-40.95	Avg	1	135	
1301.76	30.79	H	74	-43.21	Peak	1.45	90	
1301.76	24.53	H	54	-29.47	Avg	1.45	90	
1735.68	41.04	H	74	-32.96	Peak	1.06	45	
1735.68	34.78	H	54	-19.22	Avg	1.06	45	
2169.6	44.22	H	74	-29.78	Peak	2.57	315	
2169.6	37.96	H	54	-16.04	Avg	2.57	315	
2603.52	47.35	H	74	-26.65	Peak	1.58	225	
2603.52	41.09	H	54	-12.91	Avg	1.58	225	
3037.4	46.71	H	74	-27.29	Peak	2.45	135	
3037.4	40.45	H	54	-13.55	Avg	2.45	135	
3471.3	54.41	H	74	-19.59	Peak	2.09	135	
3471.3	48.15	H	54	-5.85	Avg	2.09	135	
3905.28	45.33	H	74	-28.67	Peak	2.13	180	
3905.28	39.07	H	54	-14.93	Avg	2.13	180	
4339.2	47.17	H	74	-26.83	Peak	1.64	135	
4339.2	40.91	H	54	-13.09	Avg	1.64	135	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Z-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
433.92	72.01	V	100.8	-28.79	Peak	1	90	
433.92	65.75	V	80.8	-15.05	Avg	1	90	
867.84	30.24	V	80.8	-50.56	Peak	1	180	
867.84	23.98	V	60.8	-36.82	Avg	1	180	
1301.76	31.78	V	74	-42.22	Peak	1.51	180	
1301.76	25.52	V	54	-28.48	Avg	1.51	180	
1735.68	41.06	V	74	-32.94	Peak	2.35	225	
1735.68	34.8	V	54	-19.2	Avg	2.35	225	
2169.6	44.03	V	74	-29.97	Peak	2.07	225	
2169.6	37.77	V	54	-16.23	Avg	2.07	225	
2603.52	44.92	V	74	-29.08	Peak	2.39	180	
2603.52	38.66	V	54	-15.34	Avg	2.39	180	
3037.4	44.09	V	74	-29.91	Peak	2.98	270	
3037.4	37.83	V	54	-16.17	Avg	2.98	270	
3471.3	48.93	V	74	-25.07	Peak	2.76	270	
3471.3	42.67	V	54	-11.33	Avg	2.76	270	
3905.28	42.82	V	74	-31.18	Peak	3.03	270	
3905.28	36.56	V	54	-17.44	Avg	3.03	270	
4339.2	42.91	H	74	-31.09	Peak	3.15	270	
4339.2	36.65	H	54	-17.35	Avg	3.15	270	

FCC 15.231

Linx Technologies
 Compact Handheld Transmitter
 P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
 Labs: B and D
 Tested By: Kyle Fujimoto

Z-Axis

Duty Cycle: 48.616%

R13 = 0 Ohms

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
433.92	80.89	H	100.8	-19.91	Peak	1	180	
433.92	74.63	H	80.8	-6.17	Avg	1	180	
867.84	35.35	H	80.8	-45.45	Peak	1.25	90	
867.84	29.09	H	60.8	-31.71	Avg	1.25	90	
1301.76	28.71	H	74	-45.29	Peak	2.26	135	
1301.76	22.45	H	54	-31.55	Avg	2.26	135	
1735.68	43.33	H	74	-30.67	Peak	2.64	135	
1735.68	37.07	H	54	-16.93	Avg	2.64	135	
2169.6	43.79	H	74	-30.21	Peak	1.45	135	
2169.6	37.53	H	54	-16.47	Avg	1.45	135	
2603.52	40.03	H	74	-33.97	Peak	2.71	135	
2603.52	33.77	H	54	-20.23	Avg	2.71	135	
3037.4	43.69	H	74	-30.31	Peak	1.86	135	
3037.4	37.43	H	54	-16.57	Avg	1.86	135	
3471.3	48.02	H	74	-25.98	Peak	2.51	135	
3471.3	41.76	H	54	-12.24	Avg	2.51	135	
3905.28	41.55	H	74	-32.45	Peak	2.14	135	
3905.28	35.29	H	54	-18.71	Avg	2.14	135	
4339.2	45.67	H	74	-28.33	Peak	1.81	135	
4339.2	39.41	H	54	-14.59	Avg	1.81	135	

Linux Technologies
Compact Handheld Transmitter
P/N: OTX-xxx-HH-CP8-HS

Date: 12/27/06
Labs: B and D
Tested By: Kyle Fujimoto

X-Axis (Worst Case)

Digital Portion and Non-Harmonic Emissions from the Tx -- 9 kHz to 4400 MHz

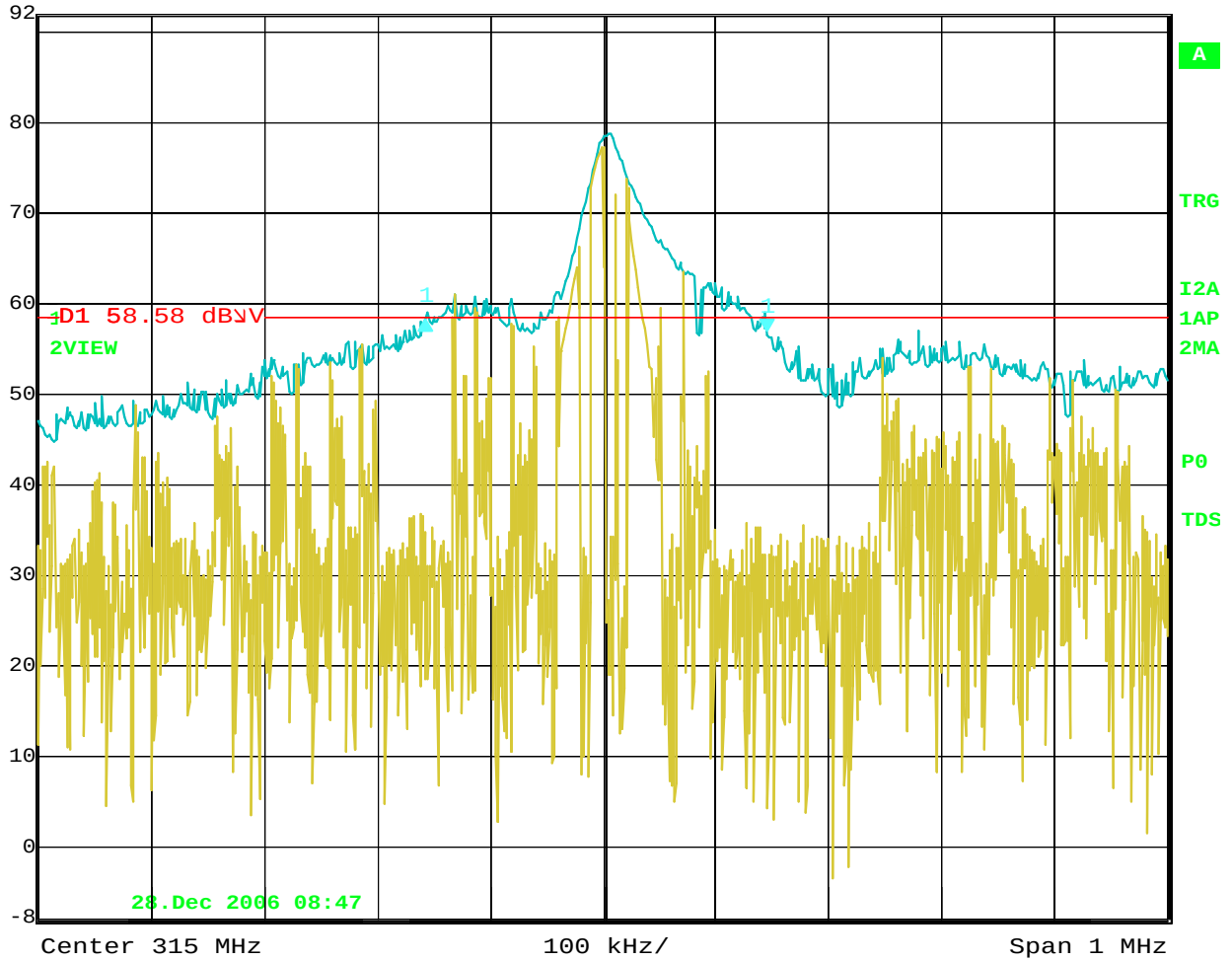
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-20 dB BANDWIDTH

DATA SHEETS



Ref Lvl	Delta 1 [T2]	RBW	30 kHz	RF Att	20 dB
92 dBμV	1.11 dB	VBW	100 kHz		
	-302.60521042 kHz	SWT	5.5 ms	Unit	dBμV

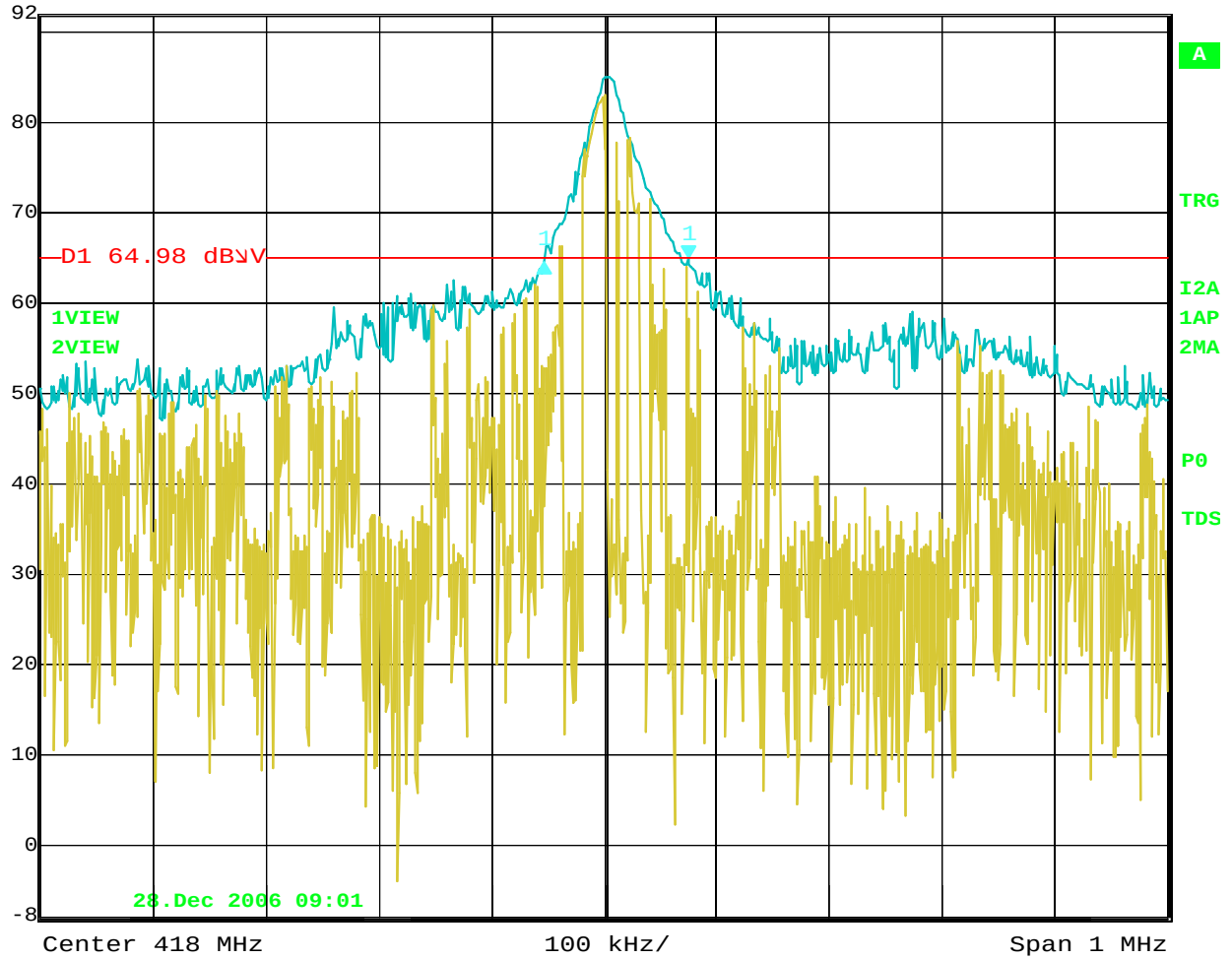


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-20 dB Bandwidth – 315 MHz Version



Ref Lvl	Delta 1 [T2]	RBW	30 kHz	RF Att	20 dB
92 dBμV	-0.59 dB	VBW	100 kHz		
	-128.25651303 kHz	SWT	5.5 ms	Unit	dBμV

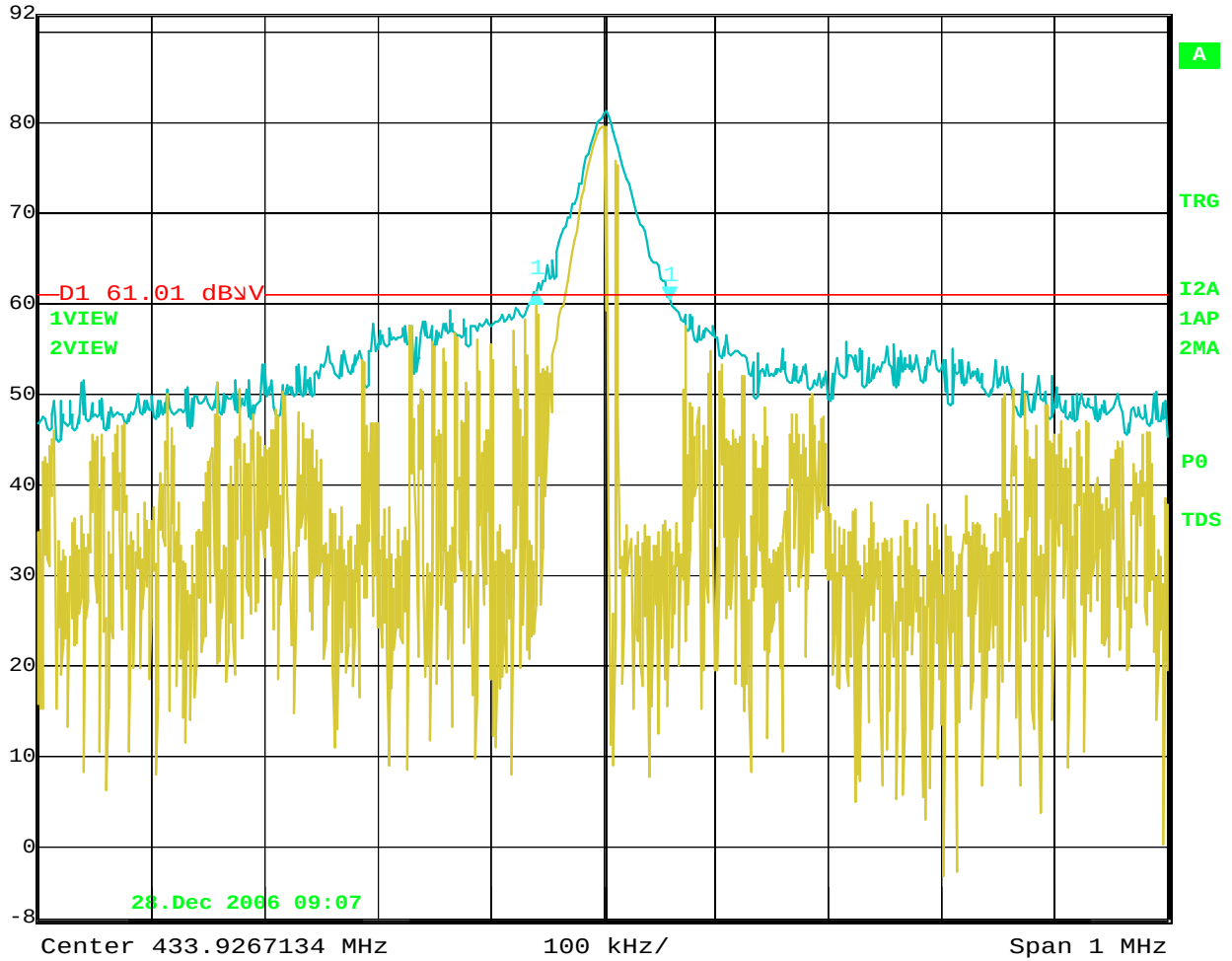


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-20 dB Bandwidth – 418 MHz Version



Ref Lvl 92 dBμV
Delta 1 [T2] 0.98 dB
-118.23647295 kHz
RBW 30 kHz
VBW 100 kHz
SWT 5.5 ms
RF Att 20 dB
Unit dBμV



Date: 28.DEC.2006 09:07:15

-20 dB Bandwidth – 433.92 MHz Version