

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

for

REMOTE CONTROL RECEIVER (ONYX)

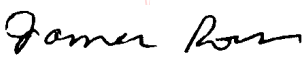
MODEL: VP6495R

Prepared for

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DATE: FEBRUARY 16, 2007

	REPORT BODY	APPENDICES					TOTAL
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1	Conducted Emissions Test Setup
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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 endorsement by NVLAP, NIST or any other agency of the U.S. Government.

Device Tested: Remote Control Receiver (Onyx)
Model: VP6495R
S/N: N/A

Product Description: See Expository Statement

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

Customer: Interlink Electronics, Inc.
546 Flynn Road
Camarillo, California 93012

Test Dates: January 24, 2007; April 2 and 3, 2007

Test Specifications: EMI requirements
CFR Title 47, Part 15 Subpart B; and Subpart C, Sections 15.205, 15.207, 15.209 and 15.249

Test Procedure: ANSI C63.4

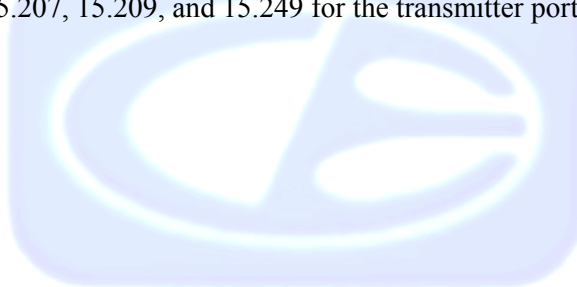
Test Deviations: The test procedure was not deviated from during the testing.

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Conducted RF Emissions, 150 kHz – 30 MHz	Complies with the Class B limits of CFR Title 47, Part 15, Subpart B; and Subpart C, section 15.207.
2	Radiated RF Emissions, 10 kHz – 9300 MHz (Transmitter Portion)	Complies with the limits of CFR Title 47, Part 15, Subpart C, section 15.205, 15.209, and 15.249.
3	Radiated RF Emissions, 10 kHz – 9300 MHz (Digital and Receiver Portion)	Complies with the Class B limits of CFR Title 47, Part 15, Subpart B.

1. PURPOSE

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the Remote Control Receiver (Onyx), Model: VP6495R. 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 for the digital and receiver portion; and the limits defined in Subpart C, sections 15.205, 15.207, 15.209, and 15.249 for the transmitter portion.



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

Interlink Electronics, Inc.

Daniel Grieder MTS

Compatible Electronics, Inc.

Kyle Fujimoto Test Engineer
James Ross Test Engineer

2.4 Date Test Sample was Received

The test sample was received on September 5, 2006.

2.5 Disposition of the Test Sample

The sample has been returned to Interlink Electronics, Inc. on October 17, 2006.

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

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

Normal Mode: The Remote Control Receiver (Onyx), Model: VP6495R (EUT) was connected directly to a laptop. The laptop was also connected to a printer, modem, and AC Adapter via its parallel, serial, and power ports, respectively. The EUT was transmitting and receiving on a continuous basis from and to the Remote Control (Onyx) Model: VP6495R.

Cable Extender Mode: The Remote Control Receiver (Onyx), Model: VP6495R (EUT) was connected to the laptop via a 1 meter USB extender cable. The laptop was also connected to a printer, modem, and AC Adapter via its parallel, serial, and power ports, respectively. The EUT was transmitting and receiving on a continuous basis from and to the Remote Control (Onyx) Model: VP6495R.

Note: when the EUT was operating as mentioned above in normal operating mode (and not locked on the low, middle, or high channel for testing purposes) the character "b" was continuously scrolled on the WordPad program of the laptop.

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

4.1.1 Cable Construction and Termination

- Cable 1 This is a 2-meter braid and foil shielded cable connecting the laptop to the printer. The cable has a D-25 pin metallic connector at the laptop end and a Centronics metallic type connector at the printer end. The cable was bundled to a length of 1 meter. The shield of the cable was grounded to the chassis via the connectors.
- Cable 2 This is a 2-meter braid and foil shielded cable connecting the laptop to the modem. The cable has a D-25 pin metallic connector at the modem end and a D-9 pin metallic type connector at the laptop end. The cable was bundled to a length of 1 meter. The shield of the cable was grounded to the chassis via the connectors.
- Cable 3 This is a 2-meter cable connecting the EUT to the AC Adapter. The cable has a 1/8-inch power connector at the EUT end and is hard wired into the AC Adapter.
- Cable 4 **(For Cable Extender Mode Only)**
This is a 1-meter braid shielded cable connecting the EUT to the laptop. The cable has a Type 'A' USB connector at each end. The shield of the cable was grounded to the chassis via the connectors.

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

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIALNUMBER	FCC ID
REMOTE CONTROL RECEIVER (ONYX) (EUT)	INTERLINK ELECTRONICS, INC.	VP6495R	N/A	IE3VP64XXR06
PRINTER	CITIZEN	LSP-10	1130060-7Z	DLK66TLSP-10
LAPTOP #1 (Normal Mode Only)	DELL	PP05L	CN-0G5152-48643-47P-7949	N/A
LAPTOP #2 (Cable Extender Mode Only)	DELL	PPM	TW-078MEY-12961-0A9-1768	N/A
AC ADAPTER FOR LAPTOP #1	DELL	PA-1650-05D	CN-05V092-71615-47B-157A	N/A
AC ADAPTER FOR LAPTOP #2	DELL	AA20031	CN-09364U-12761-067-3417	N/A
MODEM	HAYES	231AA	A05631003823	BFJ9D9231AA

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					
Computer	Hewlett Packard	4530	US91912319	N/A	N/A
Monitor	Hewlett Packard	D5258A	TW74500641	N/A	N/A
RF RADIATED EMISSIONS TEST EQUIPMENT					
EMI Receiver	Rohde & Schwarz	ESIB40	100194	November 18, 2005	Nov. 18, 2007
Preamplifier	Com Power	PA-102	1017	January 16, 2007	Jan. 16, 2008
Biconical Antenna	Com Power	AB-900	15227	March 9, 2006	March 9, 2007
Biconical Antenna	Com Power	AB-900	15227	March 8, 2007	March 8, 2008
Log Periodic Antenna	Com Power	AL-100	16060	July 17, 2006	July 17, 2007
Loop Antenna	Com Power	AL-130	17089	September 21, 2005	Sept. 21, 2007
Microwave Preamplifier	Com Power	PA-840	711919	January 20, 2006	Jan. 20, 2008
Microwave Preamplifier	Com Power	PA-122	181921	February 27, 2007	Feb. 27, 2008
Horn Antenna	Com Power	AH826	71957	December 12, 2005	Dec. 12, 2007
Horn Antenna	Antenna Research	DRG-118/A	1053	March 6, 2006	March 6, 2008
Microwave Preamplifier	Com Power	PA-122	181921	March 7, 2006	March 7, 2007
Antenna Mast	Com Power	AM-100	N/A	N/A	N/A
RF CONDUCTED EMISSIONS TEST EQUIPMENT					
EMI Receiver	Rohde & Schwarz	ESIB40	100194	November 18, 2005	Nov. 18, 2007
LISN	Com Power	LI-215	12078	September 21, 2006	Sept. 21, 2007
LISN	Com Power	LI-215	12082	September 21, 2006	Sept. 21, 2007
Transient Limiter	Seaward	252A910	K39-0220	September 15, 2006	Sept. 15, 2007

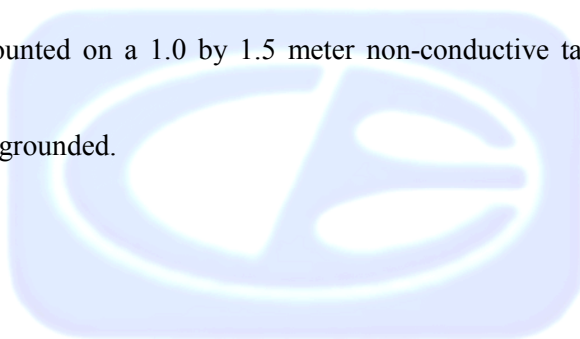
6. TEST SITE DESCRIPTION**6.1 Test Facility Description**

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 Conducted Emissions

The spectrum analyzer was used as a measuring meter. The data was collected with the spectrum analyzer 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 spectrum analyzer input stage, and the offset was adjusted accordingly to read the actual data measured. The LISN output was measured using the spectrum analyzer. 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:

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and CFR Title 47, Part 15, Subpart C, section 15.207.

7.1.2 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 above 1 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 averaged manually by narrowing the video filter down to 10 Hz and putting the sweep time on AUTO on the spectrum analyzer to keep the amplitude reading calibrated.

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 9.2 GHz	1 MHz	Horn Antenna

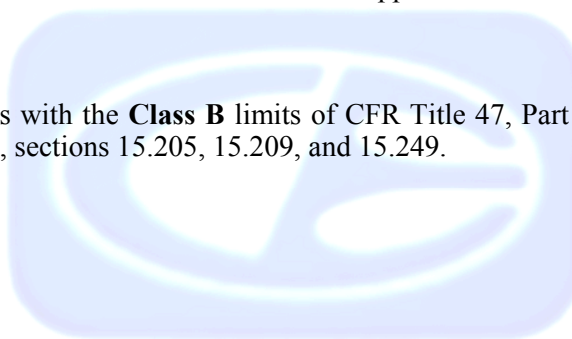
The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. 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.

7.1.3 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 the 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 15.249.



8. CONCLUSIONS

The Remote Control Receiver (Onyx), Model: VP6495R 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, 15.207, 15.209, and 15.249 for the transmitter portion.



APPENDIX A

LABORATORY RECOGNITIONS

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

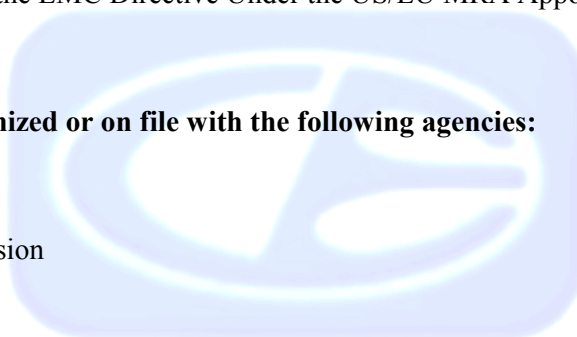
Conformity Assessment Body for the EMC Directive Under the US/EU MRA Appointed by NIST

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

Federal Communications Commission

Industry Canada

Radio-Frequency Technologies (Competent Body)



APPENDIX B

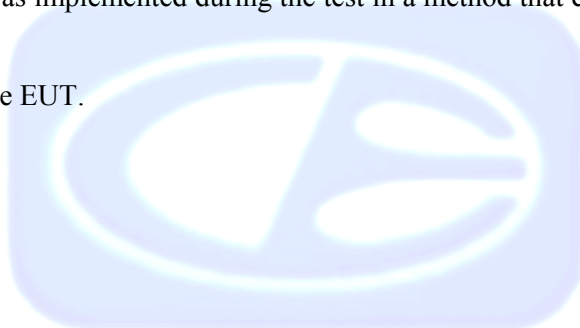
MODIFICATIONS TO THE EUT

MODIFICATIONS TO THE EUT

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



APPENDIX C

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

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

Remote Control Receiver (Onyx)
Model: VP6495R
S/N: N/A

There were no additional models covered under this report.



APPENDIX D

DIAGRAMS, CHARTS, AND PHOTOS

FIGURE 1: CONDUCTED EMISSIONS TEST SETUP

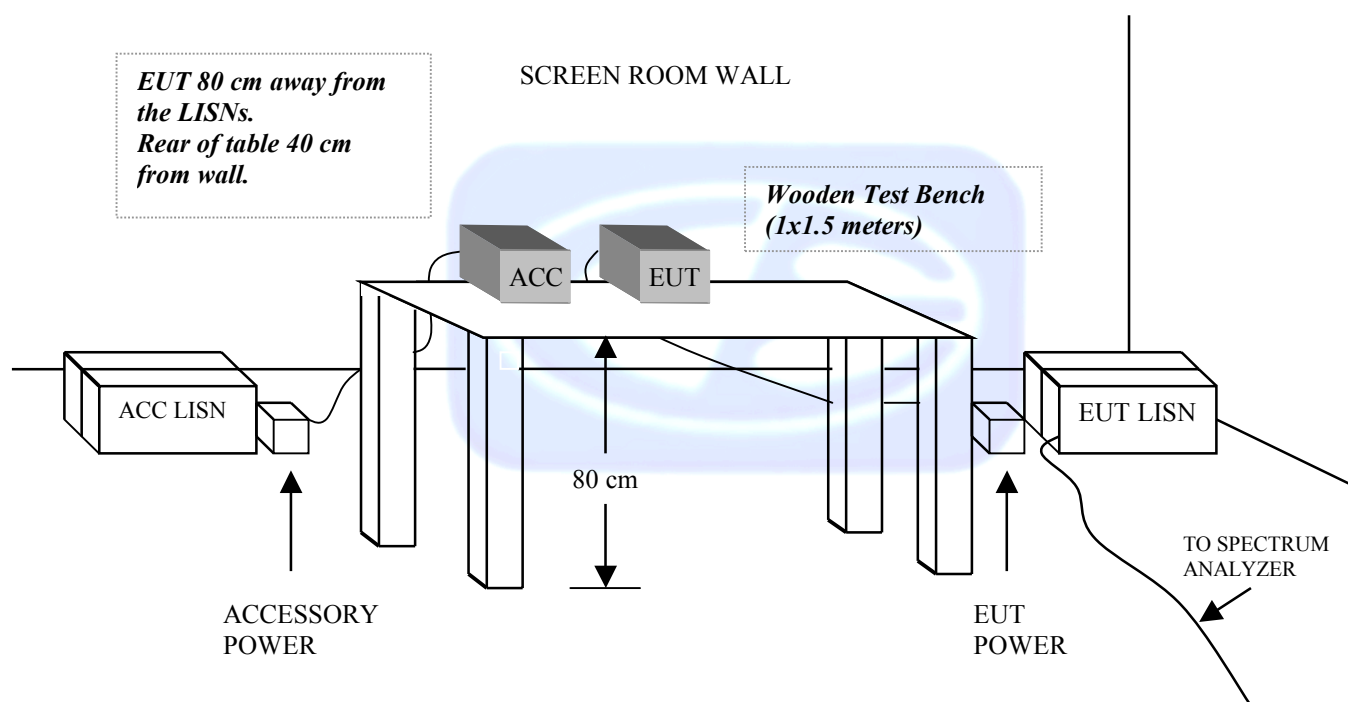
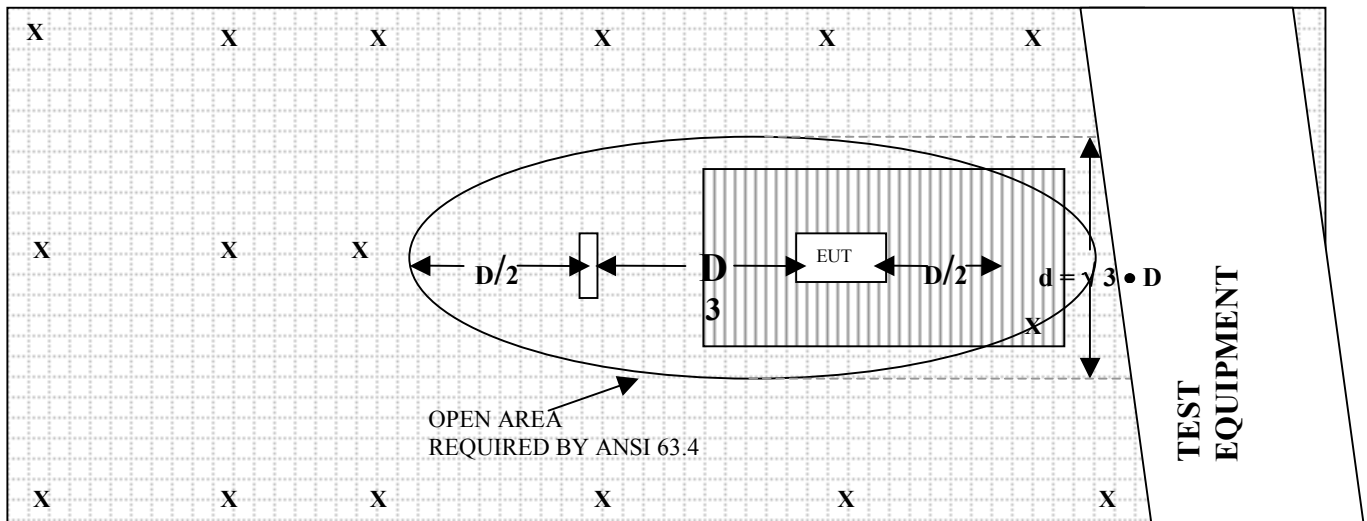


FIGURE 2: PLOT MAP AND LAYOUT OF 3 METER RADIATED SITE

OPEN LAND > 15 METERS

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 AB-900**BICONICAL ANTENNA****S/N: 15227****CALIBRATION DATE: MARCH 8, 2007**

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	12.6	120	14.7
35	10.0	125	13.0
40	9.5	140	13.7
45	9.2	160	13.7
50	9.4	180	16.4
60	7.4	200	17.2
70	6.5	250	14.6
80	7.0	275	19.0
90	8.0	300	22.3
100	12.3		

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 16, 2007

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	38.4	300	38.2
40	38.3	350	38.2
50	38.2	400	38.1
60	38.3	450	37.8
70	38.4	500	37.8
80	38.6	550	38.1
90	38.3	600	37.8
100	38.4	650	37.8
125	38.3	700	37.6
150	38.2	750	37.9
175	38.4	800	37.6
200	38.4	850	37.2
225	38.4	900	37.4
250	38.3	950	37.0
275	38.3	1000	37.2

COM-POWER PA-122**PREAMPLIFIER**

S/N: 181921

CALIBRATION DATE: MARCH 7, 2006

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	36.2	10.0	36.3
1.5	35.6	10.5	35.1
2.0	35.1	11.0	34.5
2.5	35.2	11.5	34.5
3.0	35.1	12.0	34.7
3.5	34.8	12.5	35.5
4.0	34.6	13.0	35.3
4.5	34.4	13.5	35.7
5.0	34.5	14.0	36.2
5.5	35.1	14.5	36.4
6.0	36.4	15.0	36.4
6.5	37.1	15.5	36.3
7.0	37.1	16.0	35.9
7.5	35.9	16.5	35.7
8.0	34.1	17.0	35.4
8.5	33.4	17.5	34.6
9.0	34.7	18.0	34.0
9.5	36.6		

COM-POWER PA-122**PREAMPLIFIER**

S/N: 181921

CALIBRATION DATE: FEBRUARY 27, 2007

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	36.2	10.0	35.1
1.5	35.4	10.5	34.8
2.0	34.7	11.0	33.5
2.5	34.8	11.5	33.9
3.0	34.8	12.0	34.0
3.5	34.6	12.5	34.4
4.0	34.2	13.0	34.4
4.5	34.1	13.5	34.7
5.0	34.1	14.0	36.0
5.5	34.7	14.5	35.7
6.0	35.6	15.0	36.1
6.5	36.8	15.5	35.6
7.0	36.7	16.0	35.4
7.5	34.9	16.5	35.3
8.0	33.3	17.0	34.9
8.5	33.6	17.5	33.7
9.0	34.6	18.0	33.3
9.5	35.9		

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 PA-840**MICROWAVE PREAMPLIFIER**

S/N: 711919

CALIBRATION DATE: JANUARY 20, 2006

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18.0	27.932	29.5	27.310
18.5	28.277	30.0	26.860
19.0	28.500	30.5	27.450
19.5	28.397	31.0	27.448
20.0	28.570	31.5	27.868
20.5	28.183	32.0	27.922
21.0	28.007	32.5	27.866
21.5	27.823	33.0	27.314
22.0	27.747	33.5	27.403
22.5	27.290	34.0	26.687
23.0	27.406	34.5	26.390
23.5	26.508	35.0	26.365
24.0	26.657	35.5	26.347
24.5	27.102	36.0	26.138
25.0	27.742	36.5	26.481
25.5	27.646	37.0	26.236
26.0	27.934	37.5	27.029
26.5	27.976	38.0	27.883
27.0	26.984	38.5	29.021
27.5	26.745	39.0	29.408
28.0	27.075	39.5	28.429
28.5	27.015	39.75	27.704
29.0	27.169	40.0	26.441

COM-POWER AH826**HORN ANTENNA****S/N: 71957****CALIBRATION DATE: DECEMBER 12, 2005**

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18.0	32.4	22.5	32.0
18.5	31.4	23.0	32.2
19.0	31.5	23.5	31.2
19.5	30.9	24.0	33.1
20.0	33.1	24.5	33.1
20.5	33.4	25.0	33.4
21.0	32.1	25.5	33.4
21.5	32.5	26.0	32.9
22.0	32.3	26.5	33.6

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

INTERLINK ELECTRONICS, INC.
REMOTE CONTROL RECEIVER (ONYX)
MODEL: VP6495R
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



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FRONT VIEW

INTERLINK ELECTRONICS, INC.
REMOTE CONTROL RECEIVER (ONYX)
MODEL: VP6495R
FCC SUBPART B AND C – CONDUCTED EMISSIONS

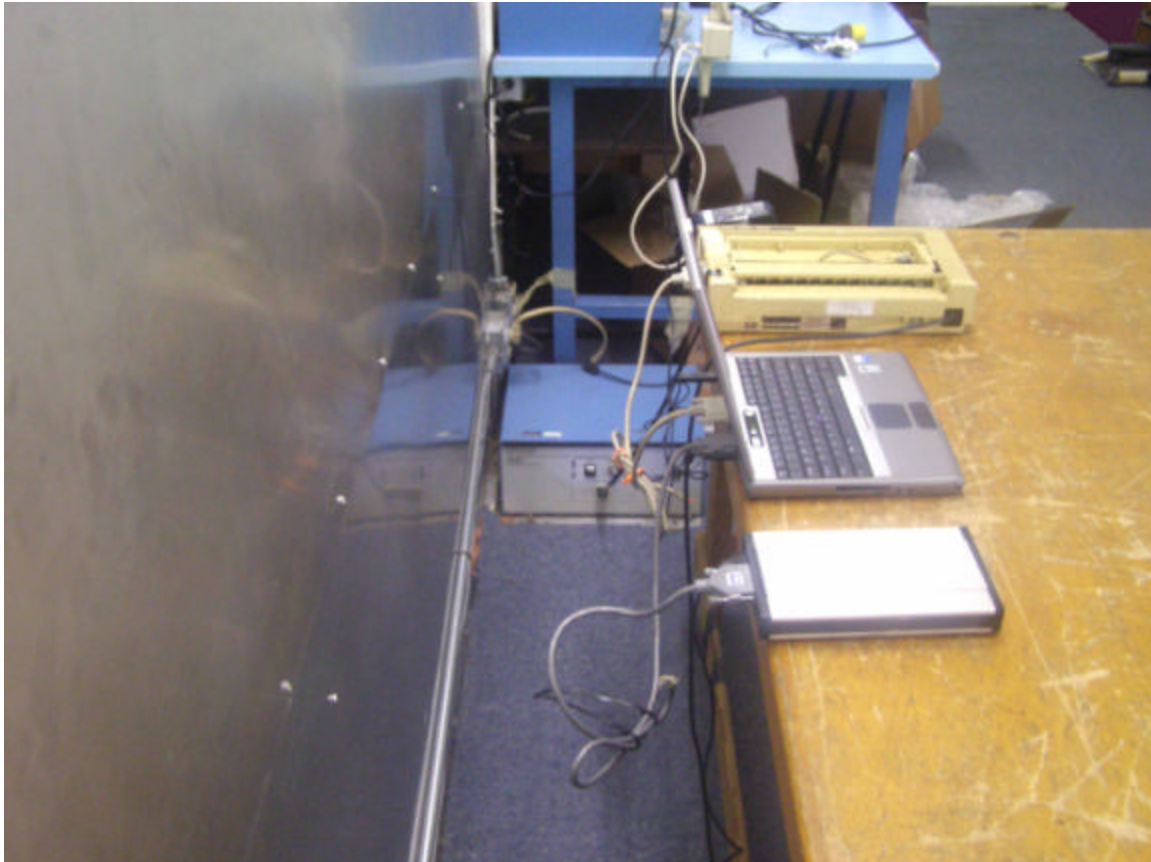
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FRONT VIEW

INTERLINK ELECTRONICS, INC.
REMOTE CONTROL RECEIVER (ONYX) – WITH EXTENDER CABLE
MODEL: VP6495R
FCC SUBPART B AND C – RADIATED EMISSIONS

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REMOTE CONTROL RECEIVER (ONYX) – WITH EXTENDER CABLE
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FRONT VIEW

INTERLINK ELECTRONICS, INC.
REMOTE CONTROL RECEIVER (ONYX) – WITH EXTENDER CABLE
MODEL: VP6495R
FCC SUBPART B AND C – CONDUCTED EMISSIONS

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APPENDIX E

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS

FCC 15.249

Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R

Date: 01/24/07
Lab: B
Tested By: Kyle Fujimoto

Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	93.58	V	114	-20.42	Peak	1	180	Fundamental of Low Channel
2405	89.26	V	94	-4.74	Avg	1	180	@ 3 Meters - X-Axis (worst case)
2400	42.06	V	74	-31.94	Peak	1	180	No Marker Delta Method
2400	34.07	V	54	-19.93	Peak	1	180	Method Used
2470	93.98	V	114	-20.02	Peak	1.43	180	Fundamental of High Channel
2470	93.18	V	94	-0.82	Avg	1.43	180	@ 3 Meters - X-Axis (worst case)
2483.5	35.69	V	74	-38.31	Peak	1.43	180	No Marker Delta Method
2483.5	24.02	V	54	-29.98	Avg	1.43	180	Method Used

FCC 15.249

Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R

Date: 01/24/07
Lab: B
Tested By: Kyle Fujimoto

Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	92.04	H	114	-21.96	Peak	1.24	0	Fundamental of Low Channel
2405	90.55	H	94	-3.45	Avg	1.24	0	@ 3 Meters - Y-Axis (worst case)
2400	40.85	H	54	-13.15	Avg	1.24	0	No Marker Delta Method
2400	31.63	H	54	-22.37	Avg	1.24	0	Method Used
2470	92.41	H	114	-21.59	Peak	1.45	225	Fundamental of High Channel
2470	91.65	H	94	-2.35	Avg	1.45	225	@ 3 Meters - X-Axis (worst case)
2483.5	35.78	H	74	-38.22	Peak	1.45	225	No Marker Delta Method
2483.5	23.51	H	54	-30.49	Avg	1.45	225	Method Used

FCC 15.249

Interlink Electronics, Inc.

Remote Control Receiver (Onyx)

Model: VP6495R

Date: 01/24/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode**Low Channel - X Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	93.58	V	114	-20.42	Peak	1	180	
2405	89.26	V	94	-4.74	Avg	1	180	
4810	37.27	V	74	-36.73	Peak	2.52	135	
4810	27.25	V	54	-26.75	Avg	2.52	135	
7215	45.05	V	74	-28.95	Peak	2.03	135	
7215	33.87	V	54	-20.13	Avg	2.03	135	
9620	54.01	V	74	-19.99	Peak	3.05	225	
9620	40.5	V	54	-13.5	Avg	3.05	225	
12025	55.4	V	74	-18.6	Peak	2.71	135	
12025	43.27	V	54	-10.73	Avg	2.71	135	
14430		V	74	-74	Peak			No Emission
14430		V	54	-54	Avg			Detected
16835		V	74	-74	Peak			No Emission
16835		V	54	-54	Avg			Detected
19240		V	--	--	Peak			No Emission
19240		V	--	--	Avg			Detected
21645		V	--	--	Peak			No Emission
21645		V	--	--	Avg			Detected
24050		V	--	--	Peak			No Emission
24050		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode
Low Channel - X Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	91.03	H	114	-22.97	Peak	1.24	180	
2405	90.16	H	94	-3.84	Avg	1.24	180	
4810	39.87	H	74	-34.13	Peak	2.87	90	
4810	32.63	H	54	-21.37	Avg	2.87	90	
7215	46.68	H	74	-27.32	Peak	2.71	135	
7215	38.25	H	54	-15.75	Avg	2.71	135	
9620	43.28	H	74	-30.72	Peak	2.71	135	
9620	30.73	H	54	-23.27	Avg	2.71	135	
12025	46.48	H	74	-27.52	Peak	2.71	135	
12025	34.43	H	54	-19.57	Avg	2.71	135	
14430		H	74	-74	Peak			No Emission
14430		H	54	-54	Avg			Detected
16835		H	74	-74	Peak			No Emission
16835		H	54	-54	Avg			Detected
19240		H	--	--	Peak			No Emission
19240		H	--	--	Avg			Detected
21645		H	--	--	Peak			No Emission
21645		H	--	--	Avg			Detected
24050		H	--	--	Peak			No Emission
24050		H	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode**Low Channel - Y Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	91.07	V	114	-22.93	Peak	1.39	135	
2405	90.21	V	94	-3.79	Avg	1.39	135	
4810	41.75	V	74	-32.25	Peak	1.51	180	
4810	35.26	V	54	-18.74	Avg	1.51	180	
7215	43.75	V	74	-30.25	Peak	1.81	135	
7215	28.44	V	54	-25.56	Avg	1.81	135	
9620	46.56	V	74	-27.44	Peak	1.81	90	
9620	33.83	V	54	-20.17	Avg	1.81	90	
12025	47.32	V	74	-26.68	Peak	1.81	135	
12025	34.93	V	54	-19.07	Avg	1.81	135	
14430		V	74	-74	Peak			No Emission
14430		V	54	-54	Avg			Detected
16835		V	74	-74	Peak			No Emission
16835		V	54	-54	Avg			Detected
19240		V	--	--	Peak			No Emission
19240		V	--	--	Avg			Detected
21645		V	--	--	Peak			No Emission
21645		V	--	--	Avg			Detected
24050		V	--	--	Peak			No Emission
24050		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode**Low Channel - Y Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	92.04	H	114	-21.96	Peak	2.37	135	
2405	90.55	H	94	-3.45	Avg	2.37	135	
4810	44.72	H	74	-29.28	Peak	2.31	135	
4810	37.98	H	54	-16.02	Avg	2.31	135	
7215	47.35	H	74	-26.65	Peak	1.64	135	
7215	37.46	H	54	-16.54	Avg	1.64	135	
9620	45.54	H	74	-28.46	Peak	1.64	135	
9620	39.56	H	54	-14.44	Avg	1.64	135	
12025	55.73	H	74	-18.27	Peak	1.25	45	
12025	43.38	H	54	-10.62	Avg	1.25	45	
14430		H	74	-74	Peak			No Emission
14430		H	54	-54	Avg			Detected
16835		H	74	-74	Peak			No Emission
16835		H	54	-54	Avg			Detected
19240		H	--	--	Peak			No Emission
19240		H	--	--	Avg			Detected
21645		H	--	--	Peak			No Emission
21645		H	--	--	Avg			Detected
24050		H	--	--	Peak			No Emission
24050		H	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode
Low Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	93.98	V	114	-20.02	Peak	1.24	0	
2405	93.17	V	94	-0.83	Avg	1.24	0	
4810	41.73	V	74	-32.27	Peak	2.42	135	
4810	34.08	V	54	-19.92	Avg	2.42	135	
7215	40.58	V	74	-33.42	Peak	2.11	135	
7215	28.03	V	54	-25.97	Avg	2.11	135	
9620	55.09	V	74	-18.91	Peak	2.66	45	
9620	41.68	V	54	-12.32	Avg	2.66	45	
12025	47.91	V	74	-26.09	Peak	2.11	135	
12025	34.89	V	54	-19.11	Avg	2.11	135	
14430		V	74	-74	Peak			No Emission
14430		V	54	-54	Avg			Detected
16835		V	74	-74	Peak			No Emission
16835		V	54	-54	Avg			Detected
19240		V	--	--	Peak			No Emission
19240		V	--	--	Avg			Detected
21645		V	--	--	Peak			No Emission
21645		V	--	--	Avg			Detected
24050		V	--	--	Peak			No Emission
24050		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode
Low Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	90.41	H	114	-23.59	Peak	1.39	135	
2405	89.43	H	94	-4.57	Avg	1.39	135	
4810	44.91	H	74	-29.09	Peak	1	135	
4810	31.6	H	54	-22.4	Avg	1	135	
7215	52.08	H	74	-21.92	Peak	1	135	
7215	39.58	H	54	-14.42	Avg	1	135	
9620	55.44	H	74	-18.56	Peak	1.62	180	
9620	43.35	H	54	-10.65	Avg	1.62	180	
12025	53.32	H	74	-20.68	Peak	1.62	45	
12025	43.51	H	54	-10.49	Avg	1.62	45	
14430		H	74	-74	Peak			No Emission
14430		H	54	-54	Avg			Detected
16835		H	74	-74	Peak			No Emission
16835		H	54	-54	Avg			Detected
19240		H	--	--	Peak			No Emission
19240		H	--	--	Avg			Detected
21645		H	--	--	Peak			No Emission
21645		H	--	--	Avg			Detected
24050		H	--	--	Peak			No Emission
24050		H	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.

Remote Control Receiver (Onyx)

Model: VP6495R

Date: 01/24/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode**Middle Channel - X Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	93.73	V	114	-20.27	Peak	1.12	135	
2441	92.87	V	94	-1.13	Avg	1.12	135	
4882	40.14	V	74	-33.86	Peak	2.81	135	
4882	33.25	V	54	-20.75	Avg	2.81	135	
7323	43.82	V	74	-30.18	Peak	2.77	180	
7323	31.94	V	54	-22.06	Avg	2.77	180	
9764	43.36	V	74	-30.64	Peak	2.14	135	
9764	30.29	V	54	-23.71	Avg	2.14	135	
12205	46.33	V	74	-27.67	Peak	2.14	135	
12205	33.91	V	54	-20.09	Avg	2.14	135	
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	--	--	Peak			No Emission
19528		V	--	--	Avg			Detected
21969		V	--	--	Peak			No Emission
21969		V	--	--	Avg			Detected
24410		V	--	--	Peak			No Emission
24410		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode
Middle Channel - X Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	90.8	H	114	-23.2	Peak	2.81	225	
2441	89.79	H	94	-4.21	Avg	2.81	225	
4882	41.78	H	74	-32.22	Peak	2.51	135	
4882	35.83	H	54	-18.17	Avg	2.51	135	
7323	47.81	H	74	-26.19	Peak	2.77	135	
7323	39.57	H	54	-14.43	Avg	2.77	135	
9764	46.6	H	74	-27.4	Peak	2.07	90	
9764	30.13	H	54	-23.87	Avg	2.07	90	
12205	45.77	H	74	-28.23	Peak	2.07	135	
12205	33.84	H	54	-20.16	Avg	2.07	135	
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	--	--	Peak			No Emission
19528		H	--	--	Avg			Detected
21969		H	--	--	Peak			No Emission
21969		H	--	--	Avg			Detected
24410		H	--	--	Peak			No Emission
24410		H	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode**Middle Channel - Y Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	89.45	V	114	-24.55	Peak	2.55	135	
2441	88.66	V	94	-5.34	Avg	2.55	135	
4882	51.27	V	74	-22.73	Peak	2.07	135	
4882	38.65	V	54	-15.35	Avg	2.07	135	
7323	51.61	V	74	-22.39	Peak	2.07	135	
7323	37.38	V	54	-16.62	Avg	2.07	135	
9764	52.14	V	74	-21.86	Peak	1.92	135	
9764	39.47	V	54	-14.53	Avg	1.92	135	
12205	56.14	V	74	-17.86	Peak	1.92	135	
12205	43.71	V	54	-10.29	Avg	1.92	135	
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	--	--	Peak			No Emission
19528		V	--	--	Avg			Detected
21969		V	--	--	Peak			No Emission
21969		V	--	--	Avg			Detected
24410		V	--	--	Peak			No Emission
24410		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R

Date: 01/24/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode**Middle Channel - Y Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	87.66	H	114	-26.34	Peak	2.31	135	
2441	86.92	H	94	-7.08	Avg	2.31	135	
4882	38.96	H	74	-35.04	Peak	2.19	150	
4882	28.81	H	54	-25.19	Avg	2.19	150	
7323	43.65	H	74	-30.35	Peak	2.54	180	
7323	31.74	H	54	-22.26	Avg	2.54	180	
9764	42.72	H	74	-31.28	Peak	2.54	135	
9764	29.88	H	54	-24.12	Avg	2.54	135	
12205	45.86	H	74	-28.14	Peak	2.54	135	
12205	33.75	H	54	-20.25	Avg	2.54	135	
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	--	--	Peak			No Emission
19528		H	--	--	Avg			Detected
21969		H	--	--	Peak			No Emission
21969		H	--	--	Avg			Detected
24410		H	--	--	Peak			No Emission
24410		H	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode
Middle Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	94.46	V	114	-19.54	Peak	1.46	135	
2441	93.78	V	94	-0.22	Avg	1.46	135	
4882	38.48	V	74	-35.52	Peak	1.42	135	
4882	28.6	V	54	-25.4	Avg	1.42	135	
7323	43.09	V	74	-30.91	Peak	2.08	150	
7323	30.61	V	54	-23.39	Avg	2.08	150	
9764	44.25	V	74	-29.75	Peak	2.08	135	
9764	29.85	V	54	-24.15	Avg	2.08	135	
12205	46.65	V	74	-27.35	Peak	2.08	153	
12205	33.74	V	54	-20.26	Avg	2.08	135	
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	--	--	Peak			No Emission
19528		V	--	--	Avg			Detected
21969		V	--	--	Peak			No Emission
21969		V	--	--	Avg			Detected
24410		V	--	--	Peak			No Emission
24410		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode
Middle Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	90.41	H	114	-23.59	Peak	3.09	135	
2441	89.51	H	94	-4.49	Avg	3.09	135	
4882	44.06	H	74	-29.94	Peak	2.26	135	
4882	39.66	H	54	-14.34	Avg	2.26	135	
7323	47.45	H	74	-26.55	Peak	2.08	135	
7323	38.56	H	54	-15.44	Avg	2.08	135	
9764	45.11	H	74	-28.89	Peak	2.23	315	
9764	30.01	H	54	-23.99	Avg	2.23	315	
12205	47.77	H	74	-26.23	Peak	2.23	135	
12205	33.77	H	54	-20.23	Avg	2.23	135	
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	--	--	Peak			No Emission
19528		H	--	--	Avg			Detected
21969		H	--	--	Peak			No Emission
21969		H	--	--	Avg			Detected
24410		H	--	--	Peak			No Emission
24410		H	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode
High Channel - X Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	93.98	V	114	-20.02	Peak	1.43	180	
2470	93.18	V	94	-0.82	Avg	1.43	180	
4940	42.94	V	74	-31.06	Peak	2.62	135	
4940	37.05	V	54	-16.95	Avg	2.62	135	
7410	48.23	V	74	-25.77	Peak	2.59	135	
7410	38.35	V	54	-15.65	Avg	2.59	135	
9880	43.23	V	74	-30.77	Peak	2.11	135	
9880	30.57	V	54	-23.43	Avg	2.11	135	
12350	46.71	V	74	-27.29	Peak	2.11	135	
12350	34.66	V	54	-19.34	Avg	2.11	135	
14820		V	74	-74	Peak			No Emission
14820		V	54	-54	Avg			Detected
17290		V	74	-74	Peak			No Emission
17290		V	54	-54	Avg			Detected
19760		V	--	--	Peak			No Emission
19760		V	--	--	Avg			Detected
22230		V	--	--	Peak			No Emission
22230		V	--	--	Avg			Detected
24700		V	--	--	Peak			No Emission
24700		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode
High Channel - X Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	92.41	H	114	-21.59	Peak	1.45	225	
2470	91.65	H	94	-2.35	Avg	1.45	225	
4940	43.51	H	74	-30.49	Peak	2.05	135	
4940	37.87	H	54	-16.13	Avg	2.05	135	
7410	50.82	H	74	-23.18	Peak	2.65	135	
7410	43.12	H	54	-10.88	Avg	2.65	135	
9880	47.86	H	74	-26.14	Peak	1.89	225	
9880	35.68	H	54	-18.32	Avg	1.89	225	
12350	47.73	H	74	-26.27	Peak	1.89	180	
12350	34.83	H	54	-19.17	Avg	1.89	180	
14820		H	74	-74	Peak			
14820		H	54	-54	Avg			
17290		H	74	-74	Peak			No Emission
17290		H	54	-54	Avg			Detected
19760		H	--	--	Peak			No Emission
19760		H	--	--	Avg			Detected
22230		H	--	--	Peak			No Emission
22230		H	--	--	Avg			Detected
24700		H	--	--	Peak			No Emission
24700		H	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode**High Channel - Y Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	91.19	V	114	-22.81	Peak	1.16	135	
2470	90.42	V	94	-3.58	Avg	1.16	135	
4940	40.65	V	74	-33.35	Peak	1.45	135	
4940	33.62	V	54	-20.38	Avg	1.45	135	
7410	45.86	V	74	-28.14	Peak	2.47	135	
7410	35.13	V	54	-18.87	Avg	2.47	135	
9880	45.13	V	74	-28.87	Peak	1.84	135	
9880	31.45	V	54	-22.55	Avg	1.84	135	
12350	46.72	V	74	-27.28	Peak	1.35	90	
12350	34.49	V	54	-19.51	Avg	1.35	90	
14820		V	74	-74	Peak			No Emission
14820		V	54	-54	Avg			Detected
17290		V	74	-74	Peak			No Emission
17290		V	54	-54	Avg			Detected
19760		V	--	--	Peak			No Emission
19760		V	--	--	Avg			Detected
22230		V	--	--	Peak			No Emission
22230		V	--	--	Avg			Detected
24700		V	--	--	Peak			No Emission
24700		V	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode
High Channel - Y Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	89.73	H	114	-24.27	Peak	1.63	135	
2470	88.82	H	94	-5.18	Avg	1.63	135	
4940	40.15	H	74	-33.85	Peak	2.56	135	
4940	27.46	H	54	-26.54	Avg	2.56	135	
7410	45.65	H	74	-28.35	Peak	2.33	180	
7410	34.66	H	54	-19.34	Avg	2.33	180	
9880	42.91	H	74	-31.09	Peak	1.93	135	
9880	29.96	H	54	-24.04	Avg	1.93	135	
12350	47.13	H	74	-26.87	Peak	1.93	315	
12350	34.51	H	54	-19.49	Avg	1.93	315	
14820		H	74	-74	Peak			No Emission
14820		H	54	-54	Avg			Detected
17290		H	74	-74	Peak			No Emission
17290		H	54	-54	Avg			Detected
19760		H	--	--	Peak			No Emission
19760		H	--	--	Avg			Detected
22230		H	--	--	Peak			No Emission
22230		H	--	--	Avg			Detected
24700		H	--	--	Peak			No Emission
24700		H	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode**High Channel - Z Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	87.83	V	114	-26.17	Peak	2.12	0	
2470	86.74	V	94	-7.26	Avg	2.12	0	
4940	42.06	V	74	-31.94	Peak	2.24	135	
4940	33.51	V	54	-20.49	Avg	2.24	135	
7410	43.01	V	74	-30.99	Peak	2.01	135	
7410	28.54	V	54	-25.46	Avg	2.01	135	
9880	42.62	V	74	-31.38	Peak	2.01	135	
9880	30.23	V	54	-23.77	Avg	2.01	135	
12350	46.67	V	74	-27.33	Peak	2.01	135	
12350	34.62	V	54	-19.38	Avg	2.01	135	
14820		V	74	-74	Peak			No Emission
14820		V	54	-54	Avg			Detected
17290		V	74	-74	Peak			No Emission
17290		V	54	-54	Avg			Detected
19760		V	--	--	Peak			No Emission
19760		V	--	--	Avg			Detected
22230		V	--	--	Peak			No Emission
22230		V	--	--	Avg			Detected
24700		V	--	--	Peak			No Emission
24700		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 01/24/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode
High Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	87.62	H	114	-26.38	Peak	2.05	225	
2470	86.09	H	94	-7.91	Avg	2.05	225	
4940	42.25	H	74	-31.75	Peak	2.49	135	
4940	36.52	H	54	-17.48	Avg	2.49	135	
7410	48.36	H	74	-25.64	Peak	2.43	135	
7410	38.94	H	54	-15.06	Avg	2.43	135	
9880	46.03	H	74	-27.97	Peak	2.43	180	
9880	30.19	H	54	-23.81	Avg	2.43	180	
12350	47.12	H	74	-26.88	Peak	2.43	135	
12350	34.59	H	54	-19.41	Avg	2.43	135	
14820		H	74	-74	Peak			No Emission
14820		H	54	-54	Avg			Detected
17290		H	74	-74	Peak			No Emission
17290		H	54	-54	Avg			Detected
19760		H	--	--	Peak			No Emission
19760		H	--	--	Avg			Detected
22230		H	--	--	Peak			No Emission
22230		H	--	--	Avg			Detected
24700		H	--	--	Peak			No Emission
24700		H	--	--	Avg			Detected

Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R

Date: 01/24/07
Lab: B
Tested By: Kyle Fujimoto

Receiver Mode
Middle Channel - X Axis (Worst Case)

[illegible]

**Test Location** : Compatible Electronics**Customer** : Interlink Electronics**Manufacturer** : Interlink Electronics**Eut name** : Onyx (Dongle Side)**Model** : VP6495R**Serial #** : N/A**Specification** : FCC Class B**Distance correction factor (20 * log(test/spec)**

: 0.00

Test Mode : Radiated Emissions - 10 kHz - 1 GHz
Vertical and Horizontal Polarization
X-Axis - Worst Case
Test Engineer: Kyle Fujimoto**Page** : 1/1**Date** : 1/24/2007**Time** : 16:14:55**Lab** : D**Test Distance** : 3 Meters

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L dB
1V	456.490	54.90	2.85	15.02	38.02	34.76	46.00	-11.24
2V	500.000	37.00	3.20	15.36	37.50	18.06	46.00	-27.94
3V	600.000	47.30	3.80	18.29	38.00	31.39	46.00	-14.61
4H	700.000	35.80	4.40	20.49	37.70	22.99	46.00	-23.01
5H	800.000	36.40	4.70	20.13	37.00	24.23	46.00	-21.77
6H	900.000	35.10	5.10	22.15	36.60	25.75	46.00	-20.25

Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R

Date: 01/24/07
Labs: B and D
Tested By: Kyle Fujimoto

X-Axis (Worst Case)
Test Range: 1 GHz to 25 GHz

[illegible]

FCC 15.249

Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R

Date: 04/02/07
Lab: B
Tested By: Kyle Fujimoto

Transmit Mode - Band Edges - With Extender Cable

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	94.27	V	114	-19.73	Peak	1	180	Fundamental of Low Channel
2405	93.35	V	94	-0.65	Avg	1	180	@ 3 Meters - Y-Axis (worst case)
2400	45.25	V	74	-28.75	Peak	1	180	No Marker Delta Method
2400	33.42	V	54	-20.58	Peak	1	180	Method Used
2470	94.94	V	114	-19.06	Peak	1.43	180	Fundamental of High Channel
2470	93.81	V	94	-0.19	Avg	1.43	180	@ 3 Meters - X-Axis (worst case)
2483.5	36.86	V	74	-37.14	Peak	1.49	225	No Marker Delta Method
2483.5	25.24	V	54	-28.76	Avg	1.49	225	Method Used

FCC 15.249

Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R

Date: 04/02/07
Lab: B
Tested By: Kyle Fujimoto

Transmit Mode - Band Edges - With Extender Cable

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	94.21	H	114	-19.79	Peak	1.24	0	Fundamental of Low Channel
2405	93.13	H	94	-0.87	Avg	1.24	0	@ 3 Meters - X-Axis (worst case)
2400	38.25	H	54	-15.75	Avg	1.35	135	No Marker Delta Method
2400	30.24	H	54	-23.76	Avg	1.35	135	Method Used
2470	93.78	H	114	-20.22	Peak	1.45	225	Fundamental of High Channel
2470	92.72	H	94	-1.28	Avg	1.45	225	@ 3 Meters - X-Axis (worst case)
2483.5	33.86	H	74	-40.14	Peak	1.25	315	No Marker Delta Method
2483.5	25.25	H	54	-28.75	Avg	1.25	315	Method Used

FCC 15.249

Interlink Electronics, Inc.

Remote Control Receiver (Onyx)

Model: VP6495R

Date: 04/02/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable**Low Channel - X Axis**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	94.27	V	114	-19.73	Peak	1	180	
2405	93.35	V	94	-0.65	Avg	1	180	
4810	55.34	V	74	-18.66	Peak	1.81	180	
4810	51.14	V	54	-2.86	Avg	1.81	180	
7215	45.25	V	74	-28.75	Peak	2.03	135	
7215	32.89	V	54	-21.11	Avg	2.03	135	
9620	53.39	V	74	-20.61	Peak	3.05	225	
9620	41.21	V	54	-12.79	Avg	3.05	225	
12025	45.09	V	74	-28.91	Peak	1.05	180	
12025	32.88	V	54	-21.12	Avg	1.05	180	
14430		V	74	-74	Peak			No Emission
14430		V	54	-54	Avg			Detected
16835		V	74	-74	Peak			No Emission
16835		V	54	-54	Avg			Detected
19240		V	--	--	Peak			No Emission
19240		V	--	--	Avg			Detected
21645		V	--	--	Peak			No Emission
21645		V	--	--	Avg			Detected
24050		V	--	--	Peak			No Emission
24050		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Low Channel - X Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	93.62	H	114	-20.38	Peak	1.34	225	
2405	92.59	H	94	-1.41	Avg	1.34	225	
4810	52.95	H	74	-21.05	Peak	2.21	225	
4810	48.06	H	54	-5.94	Avg	2.21	225	
7215	49.37	H	74	-24.63	Peak	2.03	45	
7215	35.46	H	54	-18.54	Avg	2.03	45	
9620	53.12	H	74	-20.88	Peak	1.73	125	
9620	41.37	H	54	-12.63	Avg	1.73	125	
12025	53.86	H	74	-20.14	Peak	1.64	125	
12025	40.95	H	54	-13.05	Avg	1.64	125	
14430		H	74	-74	Peak			No Emission
14430		H	54	-54	Avg			Detected
16835		H	74	-74	Peak			No Emission
16835		H	54	-54	Avg			Detected
19240		H	--	--	Peak			No Emission
19240		H	--	--	Avg			Detected
21645		H	--	--	Peak			No Emission
21645		H	--	--	Avg			Detected
24050		H	--	--	Peak			No Emission
24050		H	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Low Channel - Y Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	93.85	V	114	-20.15	Peak	1.39	135	
2405	92.55	V	94	-1.45	Avg	1.39	135	
4810	55.63	V	74	-18.37	Peak	1.33	125	
4810	51.24	V	54	-2.76	Avg	1.33	125	
7215	47.82	V	74	-26.18	Peak	1.49	125	
7215	34.21	V	54	-19.79	Avg	1.49	125	
9620	50.06	V	74	-23.94	Peak	1.49	90	
9620	37.96	V	54	-16.04	Avg	1.49	90	
12025	47.32	V	74	-26.68	Peak	1.81	135	
12025	34.93	V	54	-19.07	Avg	1.81	135	
14430		V	74	-74	Peak			No Emission
14430		V	54	-54	Avg			Detected
16835		V	74	-74	Peak			No Emission
16835		V	54	-54	Avg			Detected
19240		V	--	--	Peak			No Emission
19240		V	--	--	Avg			Detected
21645		V	--	--	Peak			No Emission
21645		V	--	--	Avg			Detected
24050		V	--	--	Peak			No Emission
24050		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Low Channel - Y Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	93.73	H	114	-20.27	Peak	1.33	225	
2405	92.17	H	94	-1.83	Avg	1.33	225	
4810	53.51	H	74	-20.49	Peak	1.31	180	
4810	49.15	H	54	-4.85	Avg	1.31	180	
7215	47.33	H	74	-26.67	Peak	1.29	180	
7215	35.54	H	54	-18.46	Avg	1.29	180	
9620	50.29	H	74	-23.71	Peak	1.63	315	
9620	38.55	H	54	-15.45	Avg	1.63	315	
12025	55.09	H	74	-18.91	Peak	1.63	135	
12025	41.03	H	54	-12.97	Avg	1.63	135	
14430		H	74	-74	Peak			No Emission
14430		H	54	-54	Avg			Detected
16835		H	74	-74	Peak			No Emission
16835		H	54	-54	Avg			Detected
19240		H	--	--	Peak			No Emission
19240		H	--	--	Avg			Detected
21645		H	--	--	Peak			No Emission
21645		H	--	--	Avg			Detected
24050		H	--	--	Peak			No Emission
24050		H	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Low Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	92.64	V	114	-21.36	Peak	1.82	135	
2405	91.84	V	94	-2.16	Avg	1.82	135	
4810	54.7	V	74	-19.3	Peak	1.83	225	
4810	50.04	V	54	-3.96	Avg	1.83	225	
7215	47.24	V	74	-26.76	Peak	1.69	0	
7215	33.15	V	54	-20.85	Avg	1.69	0	
9620	52.24	V	74	-21.76	Peak	1.69	135	
9620	38.02	V	54	-15.98	Avg	1.69	135	
12025	42.07	V	74	-31.93	Peak	1.39	180	
12025	29.61	V	54	-24.39	Avg	1.39	180	
14430		V	74	-74	Peak			No Emission
14430		V	54	-54	Avg			Detected
16835		V	74	-74	Peak			No Emission
16835		V	54	-54	Avg			Detected
19240		V	--	--	Peak			No Emission
19240		V	--	--	Avg			Detected
21645		V	--	--	Peak			No Emission
21645		V	--	--	Avg			Detected
24050		V	--	--	Peak			No Emission
24050		V	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Low Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	94.21	H	114	-19.79	Peak	1.31	225	
2405	93.13	H	94	-0.87	Avg	1.31	225	
4810	53.18	H	74	-20.82	Peak	2.09	135	
4810	47.96	H	54	-6.04	Avg	2.09	135	
7215	47.67	H	74	-26.33	Peak	2.09	315	
7215	35.03	H	54	-18.97	Avg	2.09	315	
9620	51.71	H	74	-22.29	Peak	2.09	125	
9620	38.43	H	54	-15.57	Avg	2.09	125	
12025	52.24	H	74	-21.76	Peak	2.08	135	
12025	44.58	H	54	-9.42	Avg	2.08	135	
14430		H	74	-74	Peak			
14430		H	54	-54	Avg			
16835	55.01	H	74	-18.99	Peak	2.38	135	
16835		H	54	-54	Avg	2.38	135	
19240		H	--	--	Peak			No Emission
19240		H	--	--	Avg			Detected
21645		H	--	--	Peak			No Emission
21645		H	--	--	Avg			Detected
24050		H	--	--	Peak			No Emission
24050		H	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Middle Channel - X Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	93.58	V	114	-20.42	Peak	1.21	180	
2441	92.63	V	94	-1.37	Avg	1.21	180	
4882	54.33	V	74	-19.67	Peak	1.77	135	
4882	49.53	V	54	-4.47	Avg	1.77	135	
7323	48.23	V	74	-25.77	Peak	1.25	135	
7323	35.78	V	54	-18.22	Avg	1.25	135	
9764	51.01	V	74	-22.99	Peak	1.26	315	
9764	38.75	V	54	-15.25	Avg	1.26	315	
12205	52.77	V	74	-21.23	Peak	1.26	125	
12205	40.68	V	54	-13.32	Avg	1.26	125	
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	--	--	Peak			No Emission
19528		V	--	--	Avg			Detected
21969		V	--	--	Peak			No Emission
21969		V	--	--	Avg			Detected
24410		V	--	--	Peak			No Emission
24410		V	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Middle Channel - X Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	92.76	H	114	-21.24	Peak	1.22	135	
2441	91.44	H	94	-2.56	Avg	1.22	135	
4882	49.94	H	74	-24.06	Peak	2.31	135	
4882	43.68	H	54	-10.32	Avg	2.31	135	
7323	48.48	H	74	-25.52	Peak	1.14	225	
7323	36.26	H	54	-17.74	Avg	1.14	225	
9764	52.33	H	74	-21.67	Peak	1.02	135	
9764	39.94	H	54	-14.06	Avg	1.02	135	
12205	53.18	H	74	-20.82	Peak	1.35	180	
12205	40.65	H	54	-13.35	Avg	1.35	180	
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	--	--	Peak			No Emission
19528		H	--	--	Avg			Detected
21969		H	--	--	Peak			No Emission
21969		H	--	--	Avg			Detected
24410		H	--	--	Peak			No Emission
24410		H	--	--	Avg			Detected

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Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R

Date: 04/02/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Middle Channel - Y Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	94.51	V	114	-19.49	Peak	1.39	270	
2441	93.23	V	94	-0.77	Avg	1.39	270	
4882	55.37	V	74	-18.63	Peak	1.39	225	
4882	50.31	V	54	-3.69	Avg	1.39	225	
7323	48.48	V	74	-25.52	Peak	1.81	125	
7323	37.37	V	54	-16.63	Avg	1.81	125	
9764	50.56	V	74	-23.44	Peak	1.81	225	
9764	36.81	V	54	-17.19	Avg	1.81	225	
12205	42.44	V	74	-31.56	Peak	1.54	125	
12205	29.74	V	54	-24.26	Avg	1.54	125	
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	--	--	Peak			No Emission
19528		V	--	--	Avg			Detected
21969		V	--	--	Peak			No Emission
21969		V	--	--	Avg			Detected
24410		V	--	--	Peak			No Emission
24410		V	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07

Lab: B

Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Middle Channel - Y Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	91.96	H	114	-22.04	Peak	2.21	225	
2441	90.92	H	94	-3.08	Avg	2.21	225	
4882	52.25	H	74	-21.75	Peak	1.25	135	
4882	47.31	H	54	-6.69	Avg	1.25	135	
7323	48.66	H	74	-25.34	Peak	1.58	135	
7323	36.53	H	54	-17.47	Avg	1.58	135	
9764	51.62	H	74	-22.38	Peak	1.58	225	
9764	29.88	H	54	-24.12	Avg	1.58	225	
12205	51.41	H	74	-22.59	Peak	1.58	180	
12205	40.66	H	54	-13.34	Avg	1.58	180	
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	--	--	Peak			No Emission
19528		H	--	--	Avg			Detected
21969		H	--	--	Peak			No Emission
21969		H	--	--	Avg			Detected
24410		H	--	--	Peak			No Emission
24410		H	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Middle Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	94.53	V	114	-19.47	Peak	1.22	180	
2441	93.18	V	94	-0.82	Avg	1.22	180	
4882	54.45	V	74	-19.55	Peak	1.21	180	
4882	49.88	V	54	-4.12	Avg	1.21	180	
7323	49.71	V	74	-24.29	Peak	1.39	125	
7323	36.98	V	54	-17.02	Avg	1.39	125	
9764	54.07	V	74	-19.93	Peak	1.39	125	
9764	41.53	V	54	-12.47	Avg	1.39	125	
12205	53.05	V	74	-20.95	Peak	1.34	125	
12205	40.57	V	54	-13.43	Avg	1.34	125	
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	--	--	Peak			No Emission
19528		V	--	--	Avg			Detected
21969		V	--	--	Peak			No Emission
21969		V	--	--	Avg			Detected
24410		V	--	--	Peak			No Emission
24410		V	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
Middle Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	90.41	H	114	-23.59	Peak	3.09	135	
2441	89.51	H	94	-4.49	Avg	3.09	135	
4882	44.06	H	74	-29.94	Peak	2.26	135	
4882	39.66	H	54	-14.34	Avg	2.26	135	
7323	47.45	H	74	-26.55	Peak	2.08	135	
7323	38.56	H	54	-15.44	Avg	2.08	135	
9764	45.11	H	74	-28.89	Peak	2.23	315	
9764	30.01	H	54	-23.99	Avg	2.23	315	
12205	47.77	H	74	-26.23	Peak	2.23	135	
12205	33.77	H	54	-20.23	Avg	2.23	135	
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	--	--	Peak			No Emission
19528		H	--	--	Avg			Detected
21969		H	--	--	Peak			No Emission
21969		H	--	--	Avg			Detected
24410		H	--	--	Peak			No Emission
24410		H	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
High Channel - X Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	94.7	V	114	-19.3	Peak	1.65	225	
2470	93.68	V	94	-0.32	Avg	1.65	225	
4940	55.31	V	74	-18.69	Peak	1.48	125	
4940	50.09	V	54	-3.91	Avg	1.48	125	
7410	50.02	V	74	-23.98	Peak	1.64	125	
7410	36.31	V	54	-17.69	Avg	1.64	125	
9880	50.84	V	74	-23.16	Peak	1.65	225	
9880	38.34	V	54	-15.66	Avg	1.65	225	
12350	53.52	V	74	-20.48	Peak	1.35	225	
12350	40.98	V	54	-13.02	Avg	1.35	225	
14820		V	74	-74	Peak			No Emission
14820		V	54	-54	Avg			Detected
17290		V	74	-74	Peak			No Emission
17290		V	54	-54	Avg			Detected
19760		V	--	--	Peak			No Emission
19760		V	--	--	Avg			Detected
22230		V	--	--	Peak			No Emission
22230		V	--	--	Avg			Detected
24700		V	--	--	Peak			No Emission
24700		V	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
High Channel - X Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	93.81	H	114	-20.19	Peak	1.72	135	
2470	92.57	H	94	-1.43	Avg	1.72	135	
4940	52.99	H	74	-21.01	Peak	2.41	135	
4940	46.63	H	54	-7.37	Avg	2.41	135	
7410	49.89	H	74	-24.11	Peak	1.83	125	
7410	36.51	H	54	-17.49	Avg	1.83	125	
9880	52.96	H	74	-21.04	Peak	1.74	190	
9880	38.31	H	54	-15.69	Avg	1.74	190	
12350	47.73	H	74	-26.27	Peak	1.89	180	
12350	34.83	H	54	-19.17	Avg	1.89	180	
14820		H	74	-74	Peak			
14820		H	54	-54	Avg			
17290		H	74	-74	Peak			No Emission
17290		H	54	-54	Avg			Detected
19760		H	--	--	Peak			No Emission
19760		H	--	--	Avg			Detected
22230		H	--	--	Peak			No Emission
22230		H	--	--	Avg			Detected
24700		H	--	--	Peak			No Emission
24700		H	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
High Channel - Y Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	91.22	V	114	-22.78	Peak	1.46	180	
2470	89.99	V	94	-4.01	Avg	1.46	180	
4940	51.21	V	74	-22.79	Peak	1.46	135	
4940	43.24	V	54	-10.76	Avg	1.46	135	
7410	52.12	V	74	-21.88	Peak	1.68	125	
7410	40.1	V	54	-13.9	Avg	1.68	125	
9880	51.72	V	74	-22.28	Peak	1.69	125	
9880	38.29	V	54	-15.71	Avg	1.69	125	
12350	52.99	V	74	-21.01	Peak	1.68	125	
12350	40.76	V	54	-13.24	Avg	1.68	125	
14820		V	74	-74	Peak			No Emission
14820		V	54	-54	Avg			Detected
17290		V	74	-74	Peak			No Emission
17290		V	54	-54	Avg			Detected
19760		V	--	--	Peak			No Emission
19760		V	--	--	Avg			Detected
22230		V	--	--	Peak			No Emission
22230		V	--	--	Avg			Detected
24700		V	--	--	Peak			No Emission
24700		V	--	--	Avg			Detected

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Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
High Channel - Y Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	92.86	H	114	-21.14	Peak	1.31	125	
2470	91.91	H	94	-2.09	Avg	1.31	125	
4940	53.62	H	74	-20.38	Peak	1.31	125	
4940	47.74	H	54	-6.26	Avg	1.31	125	
7410	51.13	H	74	-22.87	Peak	1.86	180	
7410	36.57	H	54	-17.43	Avg	1.86	180	
9880	50.21	H	74	-23.79	Peak	1.86	125	
9880	38.22	H	54	-15.78	Avg	1.86	125	
12350	53.99	H	74	-20.01	Peak	1.71	225	
12350	40.75	H	54	-13.25	Avg	1.71	225	
14820		H	74	-74	Peak			No Emission
14820		H	54	-54	Avg			Detected
17290		H	74	-74	Peak			No Emission
17290		H	54	-54	Avg			Detected
19760		H	--	--	Peak			No Emission
19760		H	--	--	Avg			Detected
22230		H	--	--	Peak			No Emission
22230		H	--	--	Avg			Detected
24700		H	--	--	Peak			No Emission
24700		H	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
High Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	94.94	V	114	-19.06	Peak	1.49	225	
2470	93.81	V	94	-0.19	Avg	1.49	225	
4940	55.41	V	74	-18.59	Peak	1.49	225	
4940	50.54	V	54	-3.46	Avg	1.49	225	
7410	50.44	V	74	-23.56	Peak	1.49	135	
7410	36.51	V	54	-17.49	Avg	1.49	135	
9880	53.62	V	74	-20.38	Peak	2.11	180	
9880	40.61	V	54	-13.39	Avg	2.11	180	
12350	53.92	V	74	-20.08	Peak	2.25	125	
12350	40.91	V	54	-13.09	Avg	2.25	125	
14820		V	74	-74	Peak			No Emission
14820		V	54	-54	Avg			Detected
17290		V	74	-74	Peak			No Emission
17290		V	54	-54	Avg			Detected
19760		V	--	--	Peak			No Emission
19760		V	--	--	Avg			Detected
22230		V	--	--	Peak			No Emission
22230		V	--	--	Avg			Detected
24700		V	--	--	Peak			No Emission
24700		V	--	--	Avg			Detected

FCC 15.249

Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R

Date: 04/02/07
 Lab: B
 Tested By: Kyle Fujimoto

Transmit Mode - With Extender Cable
High Channel - Z Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2470	93.78	H	114	-20.22	Peak	1.73	180	
2470	92.72	H	94	-1.28	Avg	1.73	180	
4940	51.61	H	74	-22.39	Peak	2.36	225	
4940	45.09	H	54	-8.91	Avg	2.36	225	
7410	50.71	H	74	-23.29	Peak	1.78	270	
7410	38.28	H	54	-15.72	Avg	1.78	270	
9880	55.29	H	74	-18.71	Peak	1.79	225	
9880	41.14	H	54	-12.86	Avg	1.79	225	
12350	53.01	H	74	-20.99	Peak	1.85	270	
12350	40.81	H	54	-13.19	Avg	1.85	270	
14820		H	74	-74	Peak			No Emission
14820		H	54	-54	Avg			Detected
17290		H	74	-74	Peak			No Emission
17290		H	54	-54	Avg			Detected
19760		H	--	--	Peak			No Emission
19760		H	--	--	Avg			Detected
22230		H	--	--	Peak			No Emission
22230		H	--	--	Avg			Detected
24700		H	--	--	Peak			No Emission
24700		H	--	--	Avg			Detected

Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R

Date: 04/03/07
Labs: B and D
Tested By: Kyle Fujimoto

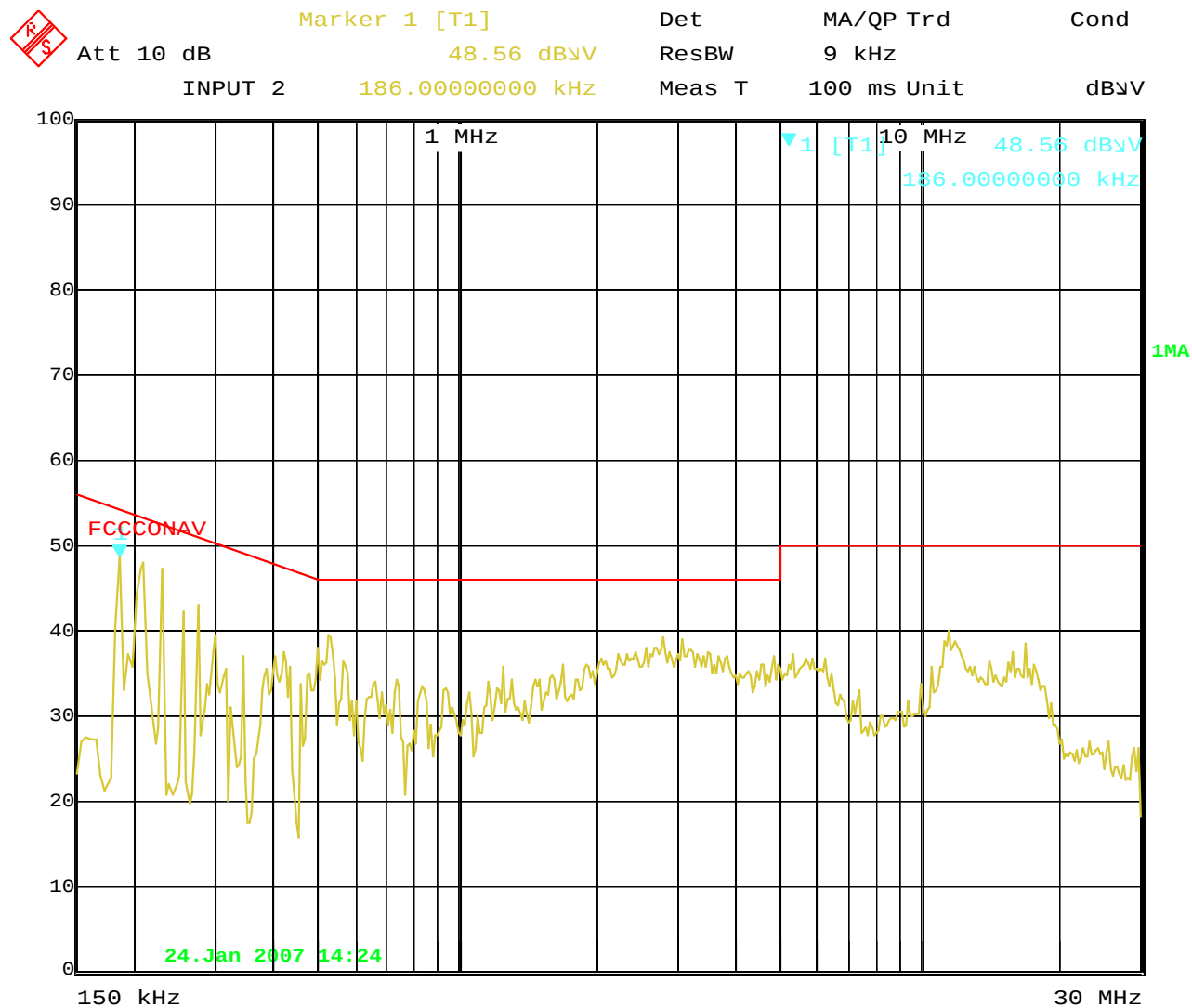
Digital Portion of the EUT and Non-Harmonic Emissions from the Transmitter With Extender Cable

[illegible]

CONDUCTED EMISSIONS

DATA SHEETS

FCC Conducted Emissions
 Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R
 FCC Class B – Black Lead
 Transmit Mode (Worst Case)
 Tested By: Kyle Fujimoto



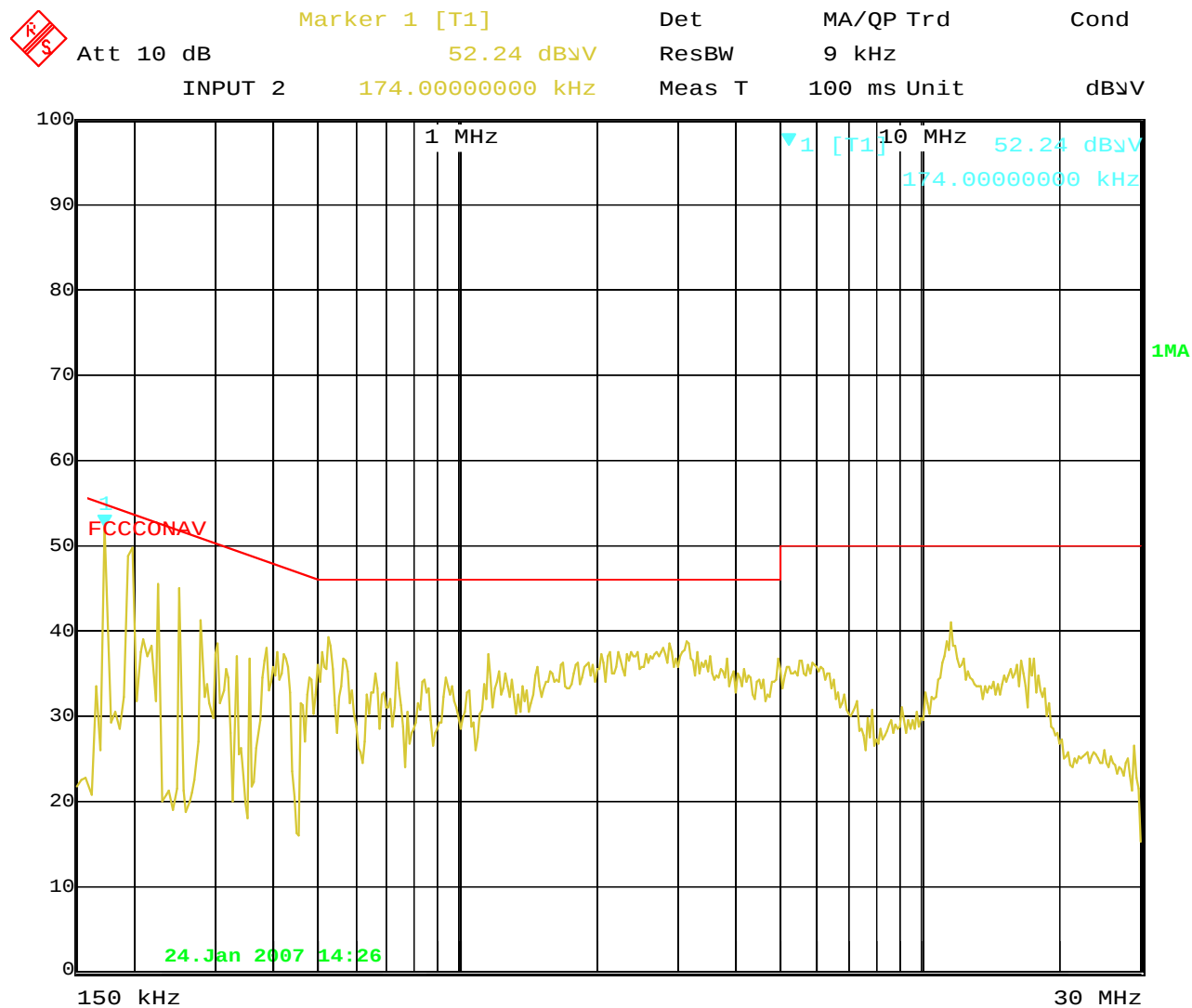
Date: 24. JAN. 2007 14:24:31

FCC Conducted Emissions
Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R
FCC Class B – Black Lead
Transmit Mode (Worst Case)
Tested By: Kyle Fujimoto

EDIT PEAK LIST (Final Results)			
Trace1: FCCCONAV		Trace2: ---	
Trace3: ---		Trace4: ---	
TRACE	FREQUENCY	LEVEL dBV	DELTA LIMIT dB
1 Max Peak	230.0000 kHz	47.23	-5.21
1 Max Peak	210.0000 kHz	47.89	-5.31
1 Max Peak	186.0000 kHz	48.56	-5.65
1 Max Peak	526.0000 kHz	39.33	-6.66
1 Max Peak	2.7900 MHz	39.14	-6.85
1 Max Peak	3.0860 MHz	38.89	-7.10
1 Max Peak	2.6780 MHz	37.98	-8.01
1 Max Peak	2.5580 MHz	37.98	-8.01
1 Max Peak	2.7100 MHz	37.85	-8.14
1 Max Peak	274.0000 kHz	42.83	-8.15
1 Max Peak	3.2020 MHz	37.74	-8.25
1 Max Peak	3.1700 MHz	37.74	-8.25
1 Max Peak	3.5060 MHz	37.49	-8.50
1 Max Peak	2.4380 MHz	37.34	-8.65
1 Max Peak	3.2980 MHz	37.24	-8.76
1 Max Peak	2.6940 MHz	37.22	-8.77
1 Max Peak	2.2300 MHz	37.20	-8.79
1 Max Peak	2.3340 MHz	37.08	-8.91
1 Max Peak	3.8420 MHz	36.99	-9.00
1 Max Peak	3.6780 MHz	36.99	-9.00

Date: 24.JAN.2007 14:25:18

FCC Conducted Emissions
 Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R
 FCC Class B – White Lead
 Transmit Mode (Worst Case)
 Tested By: Kyle Fujimoto



Date: 24. JAN. 2007 14:26:36

FCC Conducted Emissions
Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R
FCC Class B – White Lead
Transmit Mode (Worst Case)
Tested By: Kyle Fujimoto

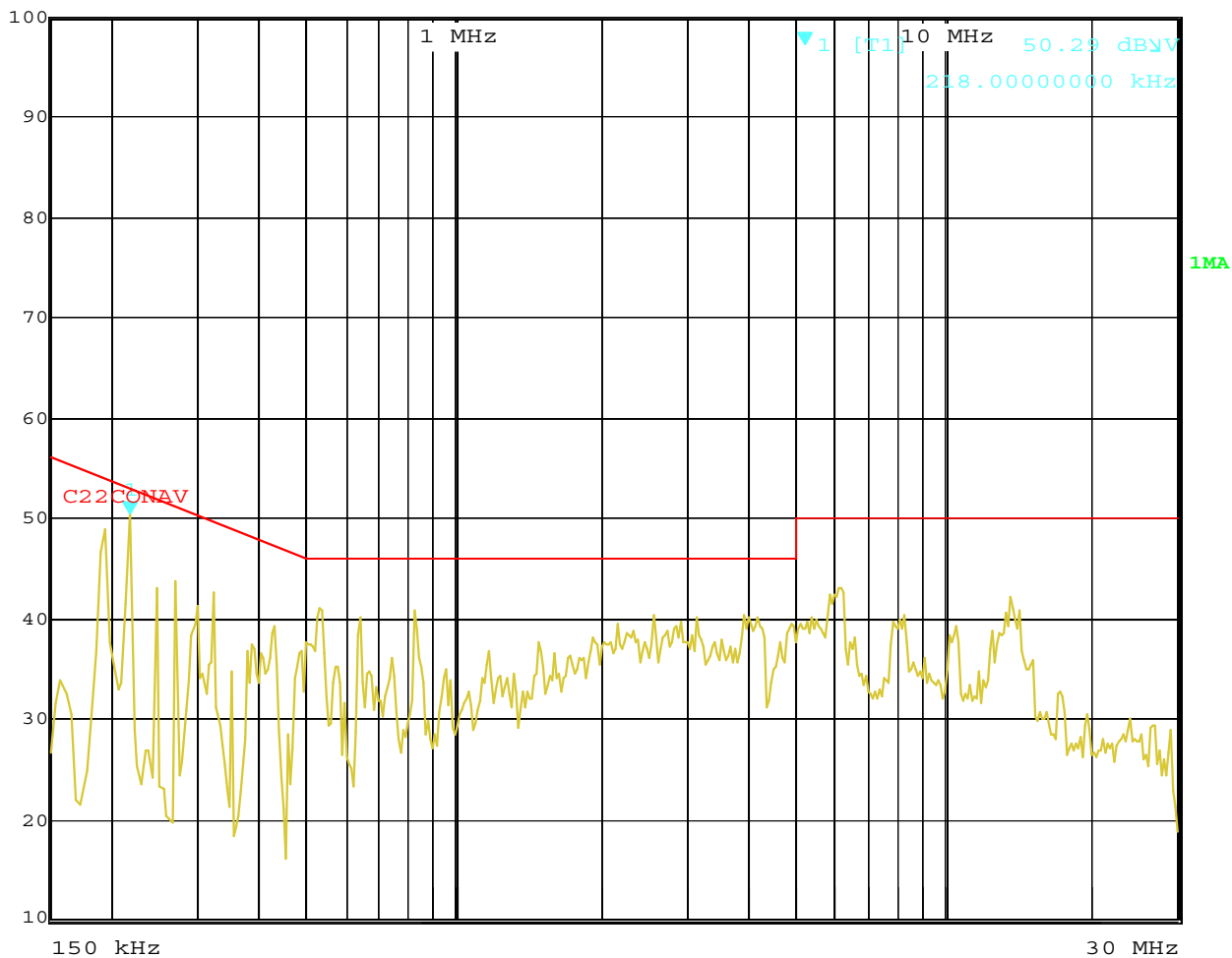
EDIT PEAK LIST (Final Results)			
Trace1: FCCCONAV		Trace2: ---	
Trace3: ---		Trace4: ---	
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Max Peak	174.0000 kHz	52.24	-2.52
1 Max Peak	198.0000 kHz	49.57	-4.12
1 Max Peak	250.0000 kHz	44.91	-6.84
1 Max Peak	526.0000 kHz	39.08	-6.92
1 Max Peak	226.0000 kHz	45.31	-7.27
1 Max Peak	3.1540 MHz	38.65	-7.34
1 Max Peak	3.1660 MHz	38.26	-7.73
1 Max Peak	2.8740 MHz	38.25	-7.74
1 Max Peak	2.7900 MHz	37.99	-8.00
1 Max Peak	3.1180 MHz	37.50	-8.49
1 Max Peak	2.6940 MHz	37.47	-8.52
1 Max Peak	2.3780 MHz	37.46	-8.53
1 Max Peak	2.4540 MHz	37.33	-8.66
1 Max Peak	2.1300 MHz	37.32	-8.67
1 Max Peak	3.2980 MHz	37.25	-8.74
1 Max Peak	2.5580 MHz	37.21	-8.78
1 Max Peak	1.1700 MHz	37.01	-8.98
1 Max Peak	11.7100 MHz	40.94	-9.05
1 Max Peak	3.5140 MHz	36.88	-9.11
1 Max Peak	3.0420 MHz	36.86	-9.14

Date: 24.JAN.2007 14:27:02

FCC Conducted Emissions
 Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R
 FCC Class B – Black Lead
 Transmit Mode (Worst Case) – With Extender Cable
 Tested By: Kyle Fujimoto



Att 10 dB	Marker 1 [T1]	Det	MA/QP Trd	Cond
	50.29 dBμV	ResBW	9 kHz	
INPUT 2	218.00000000 kHz	Meas T	100 ms Unit	dBμV



Date: 3.APR.2007 10:31:15

FCC Conducted Emissions
Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R
FCC Class B – Black Lead
Transmit Mode (Worst Case) – With Extender Cable
Tested By: Kyle Fujimoto

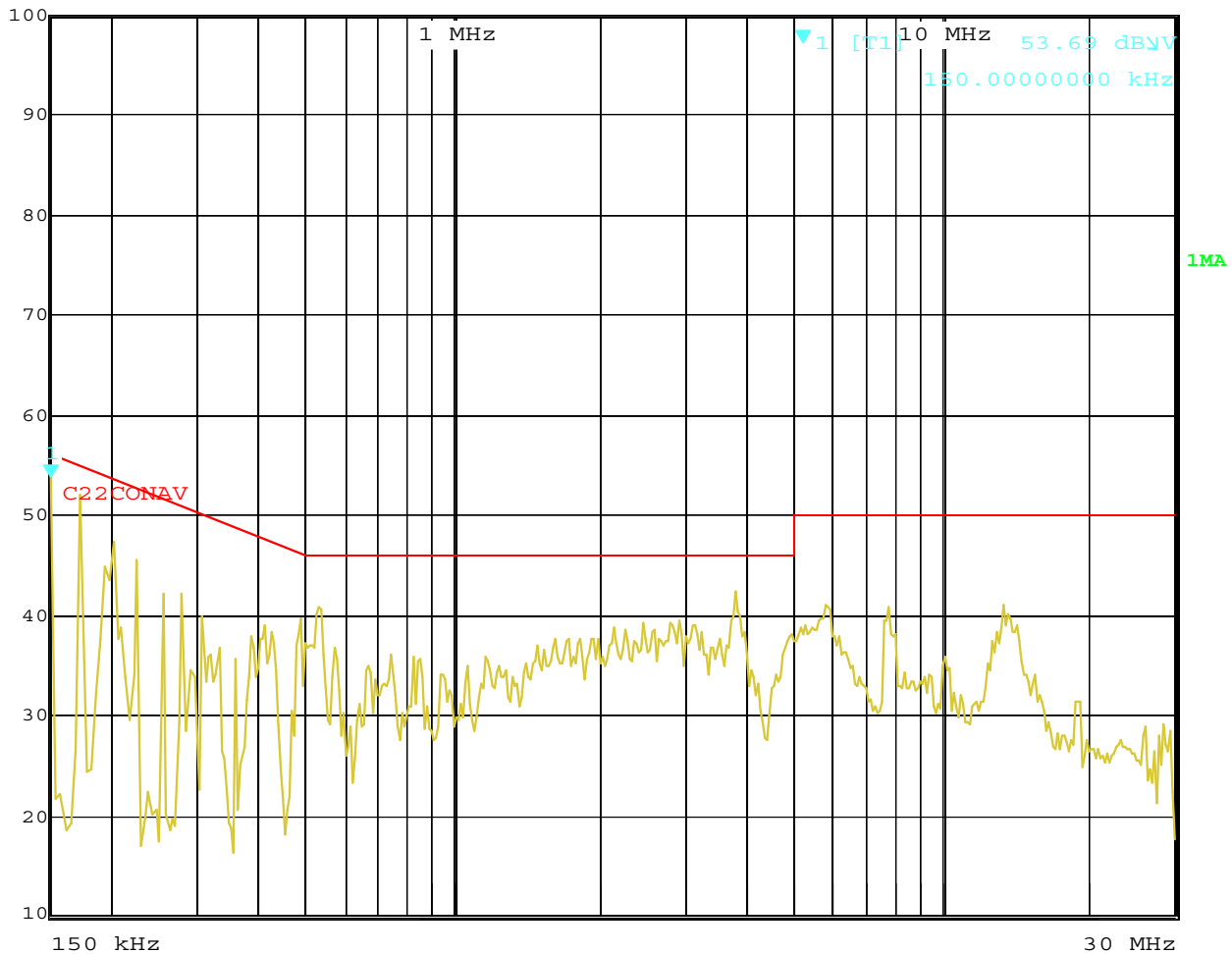
EDIT PEAK LIST (Final Results)			
Trace1: C22CONAV		Trace2: ---	
Trace3: ---		Trace4: ---	
TRACE	FREQUENCY	LEVEL dBV	DELTA LIMIT dB
1 Max Peak	218.0000 kHz	50.29	-2.60
1 Max Peak	530.0000 kHz	40.94	-5.05
1 Max Peak	194.0000 kHz	48.75	-5.11
1 Max Peak	830.0000 kHz	40.66	-5.33
1 Max Peak	2.5700 MHz	40.33	-5.66
1 Max Peak	3.9340 MHz	40.23	-5.76
1 Max Peak	642.0000 kHz	40.11	-5.88
1 Max Peak	4.2020 MHz	40.09	-5.90
1 Max Peak	4.0100 MHz	40.08	-5.91
1 Max Peak	3.1300 MHz	39.92	-6.07
1 Max Peak	2.9020 MHz	39.63	-6.36
1 Max Peak	4.9060 MHz	39.38	-6.61
1 Max Peak	2.1540 MHz	39.32	-6.67
1 Max Peak	6.1100 MHz	43.01	-6.98
1 Max Peak	322.0000 kHz	42.61	-7.04
1 Max Peak	2.3180 MHz	38.79	-7.20
1 Max Peak	6.2780 MHz	42.61	-7.39
1 Max Peak	270.0000 kHz	43.72	-7.39
1 Max Peak	3.1740 MHz	38.30	-7.69
1 Max Peak	1.9340 MHz	38.01	-7.98

Date: 3.APR.2007 10:31:41

FCC Conducted Emissions
 Interlink Electronics, Inc.
 Remote Control Receiver (Onyx)
 Model: VP6495R
 FCC Class B – White Lead
 Transmit Mode (Worst Case) – With Extender Cable
 Tested By: Kyle Fujimoto



Att 10 dB	Marker 1 [T1]	Det	MA/QP Trd	Cond
	53.69 dBμV	ResBW	9 kHz	
INPUT 2	150.00000000 kHz	Meas T	100 ms Unit	dBμV



Date: 3.APR.2007 10:34:39

FCC Conducted Emissions
Interlink Electronics, Inc.
Remote Control Receiver (Onyx)
Model: VP6495R
FCC Class B – White Lead
Transmit Mode (Worst Case) – With Extender Cable
Tested By: Kyle Fujimoto

EDIT PEAK LIST (Final Results)				
Trace1: C22CONAV		Trace2: ---		
Trace3: ---		Trace4: ---		
TRACE	FREQUENCY	LEVEL dBV	DELTA LIMIT dB	
1 Max Peak	150.0000 kHz	53.69	-2.30	
1 Max Peak	174.0000 kHz	51.93	-2.83	
1 Max Peak	3.7820 MHz	42.21	-3.78	
1 Max Peak	530.0000 kHz	40.82	-5.17	
1 Max Peak	3.8220 MHz	40.28	-5.71	
1 Max Peak	3.8780 MHz	39.86	-6.13	
1 Max Peak	3.7460 MHz	39.86	-6.13	
1 Max Peak	202.0000 kHz	47.22	-6.30	
1 Max Peak	2.9220 MHz	39.38	-6.61	
1 Max Peak	486.0000 kHz	39.57	-6.65	
1 Max Peak	2.4700 MHz	39.07	-6.92	
1 Max Peak	3.1140 MHz	38.96	-7.03	
1 Max Peak	226.0000 kHz	45.42	-7.17	
1 Max Peak	2.1460 MHz	38.79	-7.20	
1 Max Peak	3.2260 MHz	38.32	-7.67	
1 Max Peak	4.9460 MHz	38.01	-7.98	
1 Max Peak	1.9380 MHz	37.62	-8.37	
1 Max Peak	1.7220 MHz	37.61	-8.38	
1 Max Peak	1.6220 MHz	37.48	-8.51	
1 Max Peak	3.5420 MHz	37.46	-8.53	

Date: 3.APR.2007 10:34:10