

*FCC PART 15, SUBPART B and C
TEST REPORT**for***RF REMOTE CONTROLLER****MODEL: RC-7000CI**

Prepared for
DENON BRAND COMPANY
1-1 OINOKUBOYAMA
SHIRAKAWA, FUKUSHIMA 961-0838, JAPAN

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DATE: JUNE 13, 2007

	REPORT BODY	APPENDICES					TOTAL
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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: RF Remote Controller
Model: RC-7000CI
S/N: N/A

Product Description: See Expository Statement

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

Customer: Denon Brand Company
1-1 Oinokuboyama
Shirakawa, Fukushima 961-0838, Japan

Manufacturer: Computime Limited
7/F., How Ming Fty. Bldg.,
99 How Ming Street Kwun Tong, Kowloon, Hong Kong

Test Dates: June 11 and 12, 2007

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

Test Procedure: ANSI C63.4

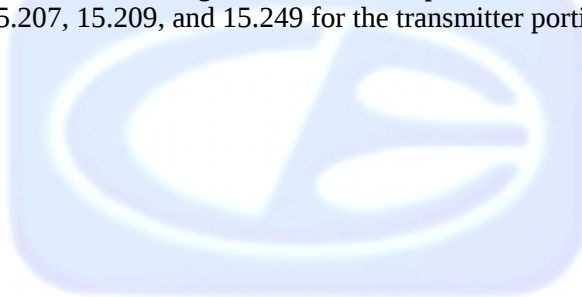
Test Deviations: The test procedure was not deviated from during the testing.

SUMMARY OF TEST RESULTS

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 – 25000 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 – 25000 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 RF Remote Controller, Model: RC-7000CI. 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

Denon Brand Company

Kazuhiko Kumagai

Compatible Electronics, Inc.

Kyle Fujimoto Test Engineer

Michael Christensen Lab Manager

2.4 Date Test Sample was Received

The test sample was received on June 11, 2007.

2.5 Disposition of the Test Sample

The sample was returned to Denon Brand Company on June 13, 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

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

Stand Alone Mode: The RF Remote Controller, Model: RC-7000CI (EUT) was tested as a stand alone unit and tested in three orthogonal axis. The EUT was placed at the center of the non-conductive table. The EUT was transmitting and receiving on a continuous basis

USB Mode: The RF Remote Controller, Model: RC-7000CI (EUT) was connected to the laptop via the USB port. The laptop was also connected to a printer and AC Adapter via its parallel and power ports, respectively. The EUT was transmitting and receiving on a continuous basis.

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

4.1.1 Cable Construction and Termination

Cable 1 (USB Mode Only)

This is a 1.8-meter braid and foil shielded cable connecting the printer to the laptop. The cable has a metallic Centronics type connector at the printer end and a metallic D-25 pin connector at the laptop end. The cable was bundled to a length of 1 meter. The cable was grounded to the chassis via the connectors.

Cable 2 This is a 1.8-meter unshielded cable connecting the laptop 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. The cable has a molded ferrite at the laptop end.

Cable 3 (For USB Mode Only)
This is a 1.8-meter unshielded cable connecting the laptop 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. The cable has a molded ferrite at the laptop end.

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

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC ID
RF REMOTE CONTROLLER (EUT)	COMPUTIME LIMITED	RC-7000CI	KRK060805000043	BV2-RC7000
PRINTER	CITIZEN	LSP-10	11843980-7Z	DLK66TLSP-10
AC ADAPTER FOR LAPTOP	DELL	PA-1650-05D2	CN-0F7970-71615-54P-719F	N/A
LAPTOP	DELL	PP11L	N/A	DoC

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
Spectrum Analyzer – Main Section	Hewlett Packard	8566B	3638A08784	June 4, 2007	June 4, 2008
Spectrum Analyzer – Display Section	Hewlett Packard	85662A	3701A22279	June 4, 2007	June 4, 2008
Quasi-Peak Adapter	Hewlett Packard	85650A	2430A00424	June 4, 2007	June 4, 2008
EMI Receiver	Rohde & Schwarz	ESIB40	100149	November 15, 2005	Nov. 15, 2007
Monitor	Hewlett Packard	D5258A	TW74500641	N/A	N/A
RF RADIATED EMISSIONS TEST EQUIPMENT					
Preamplifier	Com Power	PA-103	1582	January 16, 2006	Jan. 16, 2007
Biconical Antenna	Com Power	AB-900	15251	March 8, 2007	March 8, 2008
Log Periodic Antenna	Com Power	AL-100	16241	July 17, 2006	July 17, 2007
Loop Antenna	Com Power	AL-130	17089	September 21, 2005	Sept. 21, 2006
Horn Antenna	Antenna Research	DRG-118/A	1053	March 6, 2006	March 6, 2008
Microwave Preamplifier	Com Power	PA-122	181921	Feb. 27, 2007	Feb. 27, 2008
Microwave Preamplifier	Com Power	PA-840	711919	Feb. 27, 2007	Feb. 27, 2008
Horn Antenna	Com Power	AH826	71957	December 12, 2005	Dec. 12, 2007
Antenna Mast	Com Power	AM-100	N/A	N/A	N/A
RF CONDUCTED EMISSIONS TEST EQUIPMENT					
LISN	Com Power	LI-215	12090	September 13, 2006	Sept. 13, 2007
LISN	Com Power	LI-215	12076	September 13, 2006	Sept. 13, 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 in stand alone mode. In USB mode, the EUT was grounded to the chassis of the computer via the via the shield of the USB cable

7. TEST PROCEDURES

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

7.1 RF Emissions

7.1.1 Conducted Emissions Test

The 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 EN 55022. 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 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 spectrum analyzer and EMI Receiver were 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-103 was used for frequencies from 30 MHz to 1 GHz, and the Com-Power Microwave Preamplifier Models: PA-122 and PA-840 were used for frequencies above 1 GHz. The spectrum analyzer and EMI Receiver were used in the peak detect mode with the "Max Hold" feature activated. In this mode, the spectrum analyzer or 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 EMI Receiver 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 25 GHz	1 MHz	Horn Antenna

The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4. 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 RF Remote Controller, Model: RC-7000CI 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

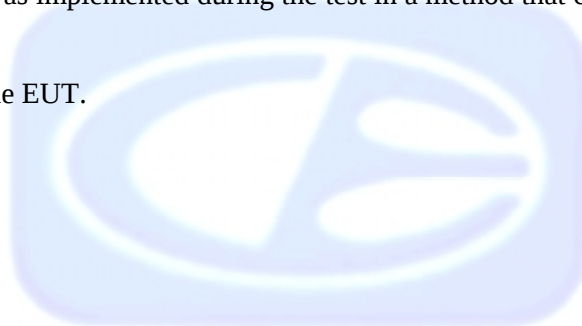
MODIFICATIONS TO THE EUT

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***

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

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

RF Remote Controller
Model: RC-7000CI
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

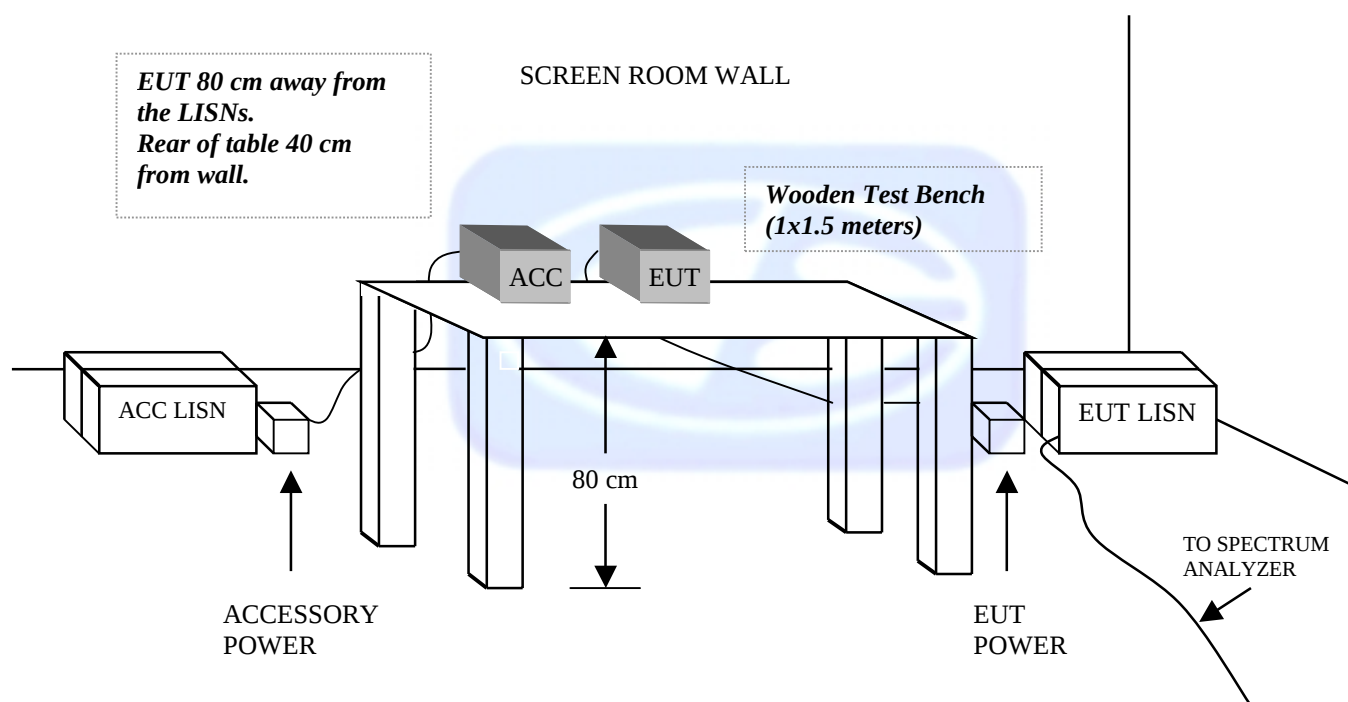
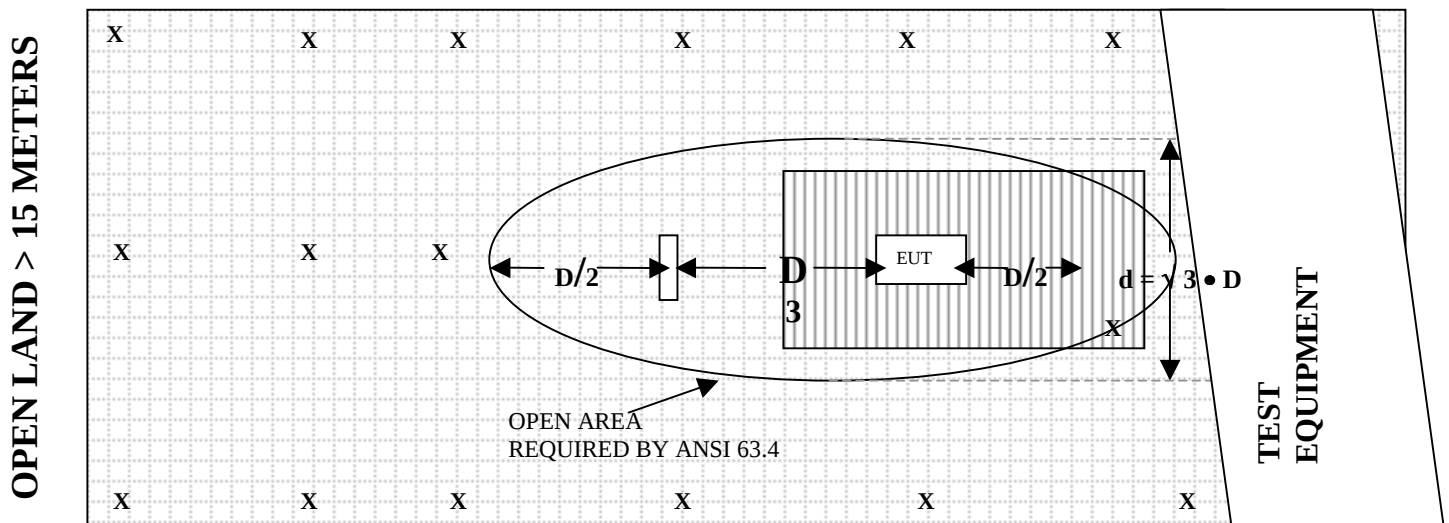
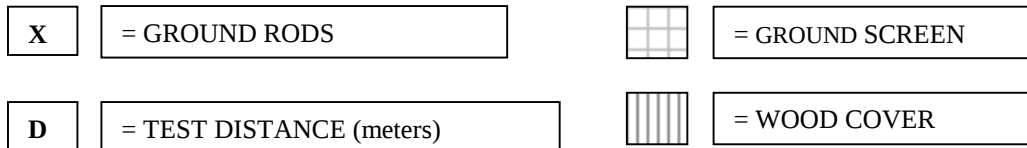


FIGURE 2: PLOT MAP AND LAYOUT OF 3 METER RADIATED SITE

OPEN LAND > 15 METERS



OPEN LAND > 15 METERS



COM-POWER AB-900

BICONICAL ANTENNA

S/N: 15251

CALIBRATION DATE: MARCH 8, 2007

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	11.9	100	10.6
35	12.1	120	12.5
40	10.7	140	11.4
45	10.9	160	12.5
50	13.4	180	15.1
60	11.6	200	16.1
70	9.5	250	14.3
80	6.9	275	18.2
90	6.6	300	20.5

COM-POWER AL-100

LOG PERIODIC ANTENNA

S/N: 16241

CALIBRATION DATE: JULY 17, 2006

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
300	12.38	700	20.13
400	14.55	800	19.71
500	15.75	900	21.88
600	17.30	1000	22.43

COM-POWER PA-103**PREAMPLIFIER**

S/N: 1582

CALIBRATION DATE: JANUARY 16, 2007

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	33.0	300	33.0
40	33.0	350	32.7
50	33.0	400	32.7
60	33.0	450	32.5
70	33.1	500	32.5
80	33.1	550	32.4
90	33.1	600	32.4
100	33.1	650	32.4
125	33.2	700	32.3
150	32.9	750	32.1
175	33.1	800	32.1
200	32.9	850	32.3
225	32.9	900	32.1
250	32.9	950	32.2
275	32.9	1000	32.1

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: FEBRUARY 27, 2007**

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18.0	28.3	29.5	26.1
18.5	28.0	30.0	26.2
19.0	28.0	30.5	25.9
19.5	27.7	31.0	26.2
20.0	27.7	31.5	26.5
20.5	27.9	32.0	26.5
21.0	27.7	32.5	25.4
21.5	26.5	33.0	25.8
22.0	25.9	33.5	25.0
22.5	26.8	34.0	25.2
23.0	27.2	34.5	25.1
23.5	25.9	35.0	24.7
24.0	25.5	35.5	24.6
24.5	26.4	36.0	24.7
25.0	27.5	36.5	25.2
25.5	27.7	37.0	24.7
26.0	27.8	37.5	25.8
26.5	26.3	38.0	26.4
27.0	26.0	38.5	27.9
27.5	25.9	39.0	27.7
28.0	26.2	39.5	27.5
28.5	26.2	40.0	25.4
29.0	26.2		

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

DENON BRAND COMPANY
RF REMOTE CONTROLLER – STAND ALONE MODE
MODEL: RC-7000CI
FCC SUBPART B AND C – RADIATED EMISSIONS – LAB A

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



REAR VIEW

DENON BRAND COMPANY
RF REMOTE CONTROLLER – STAND ALONE MODE
MODEL: RC-7000CI
FCC SUBPART B AND C – RADIATED EMISSIONS – LAB A

**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

DENON BRAND COMPANY
RF REMOTE CONTROLLER – USB MODE
MODEL: RC-7000CI
FCC SUBPART B AND C – RADIATED EMISSIONS – LAB A

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



REAR VIEW

DENON BRAND COMPANY
RF REMOTE CONTROLLER – USB MODE
MODEL: RC-7000CI
FCC SUBPART B AND C – RADIATED EMISSIONS – LAB A

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



FRONT VIEW

DENON BRAND COMPANY
RF REMOTE CONTROLLER – STAND ALONE MODE
MODEL: RC-7000CI
FCC SUBPART B AND C – RADIATED EMISSIONS – LAB B

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



REAR VIEW

DENON BRAND COMPANY
RF REMOTE CONTROLLER – STAND ALONE MODE
MODEL: RC-7000CI
FCC SUBPART B AND 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

DENON BRAND COMPANY
RF REMOTE CONTROLLER – USB MODE
MODEL: RC-7000CI
FCC SUBPART B AND 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

DENON BRAND COMPANY
RF REMOTE CONTROLLER – USB MODE
MODEL: RC-7000CI
FCC SUBPART B AND 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

DENON BRAND COMPANY
RF REMOTE CONTROLLER – USB MODE
MODEL: RC-7000CI
FCC SUBPART B AND C – CONDUCTED 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



REAR VIEW

DENON BRAND COMPANY
RF REMOTE CONTROLLER – USB MODE
MODEL: RC-7000CI
FCC SUBPART B AND C – CONDUCTED EMISSIONS

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

APPENDIX E

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS

FCC 15.249

Denon Brand Company
 RF Remote Controller
 Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Stand Alone Mode
Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	88.74	V	114	-25.26	Peak	1.25	135	Low Channel
2405	84.31	V	94	-9.69	Avg	1.25	135	
4810	43.11	V	74	-30.89	Peak	1	135	Low Channel
4810	33.33	V	54	-20.67	Avg	1	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Low Channel
2440	87.21	V	114	-26.79	Peak	1	135	Middle Channel
2440	82.87	V	94	-11.13	Avg	1	135	
4880	48.09	V	74	-25.91	Peak	1	135	Middle Channel
4880	41.74	V	54	-12.26	Avg	1	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Middle Channel
2475	86.14	V	114	-27.86	Peak	1	135	High Channel
2475	81.03	V	94	-12.97	Avg	1	135	
4950	45.08	V	74	-28.92	Peak	1	135	High Channel
4950	37.64	V	54	-16.36	Avg	1	135	
								No Harmonics Found Beyond the 2nd Harmonic for the High Channel

FCC 15.249

Denon Brand Company

RF Remote Controller

Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Stand Alone Mode**Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	86.35	H	114	-27.65	Peak	1	135	Low Channel
2405	81.83	H	94	-12.17	Avg	1	135	
4810	44.12	H	74	-29.88	Peak	1	135	Low Channel
4810	31.53	H	54	-22.47	Avg	1	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Low Channel
2440	82.34	H	114	-31.66	Peak	1.25	135	Middle Channel
2440	77.67	H	94	-16.33	Avg	1.25	135	
4880	44.84	H	74	-29.16	Peak	1.25	135	Middle Channel
4880	32.01	H	54	-21.99	Avg	1.25	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Middle Channel
2475	83.85	H	114	-30.15	Peak	1.25	90	High Channel
2475	79.44	H	94	-14.56	Avg	1.25	90	
4950	44.41	H	74	-29.59	Peak	1.25	315	High Channel
4950	32.16	H	54	-21.84	Avg	1.25	315	
								No Harmonics Found Beyond the 2nd Harmonic for the High Channel

FCC 15.249

Denon Brand Company
 RF Remote Controller
 Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Stand Alone Mode
Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	96.14	V	114	-17.86	Peak	1	180	Low Channel
2405	91.37	V	94	-2.63	Avg	1	180	
4810	47.84	V	74	-26.16	Peak	1	135	Low Channel
4810	42.33	V	54	-11.67	Avg	1	135	
								No Harmonics Found
								Beyond the 2nd Harmonic
								for the Low Channel
2440	95.41	V	114	-18.59	Peak	1	135	Middle Channel
2440	91.11	V	94	-2.89	Avg	1	135	
4880	48.29	V	74	-25.71	Peak	1.25	135	Middle Channel
4880	42.22	V	54	-11.78	Avg	1.25	135	
								No Harmonics Found
								Beyond the 2nd Harmonic
								for the Middle Channel
2475	94.67	V	114	-19.33	Peak	1	135	High Channel
2475	90.25	V	94	-3.75	Avg	1	135	
4950	49.87	V	74	-24.13	Peak	1	135	High Channel
4950	44.94	V	54	-9.06	Avg	1	135	
								No Harmonics Found
								Beyond the 2nd Harmonic
								for the High Channel

FCC 15.249

Denon Brand Company

RF Remote Controller

Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Stand Alone Mode**Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	90.54	H	114	-23.46	Peak	1.69	135	Low Channel
2405	86.24	H	94	-7.76	Avg	1.69	135	
4810	44.23	H	74	-29.77	Peak	2.28	135	Low Channel
4810	33.42	H	54	-20.58	Avg	2.28	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Low Channel
2440	86.16	H	114	-27.84	Peak	1	135	Middle Channel
2440	81.63	H	94	-12.37	Avg	1	135	
4880	47.51	H	74	-26.49	Peak	1.53	135	Middle Channel
4880	40.71	H	54	-13.29	Avg	1.53	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Middle Channel
2475	88.09	H	114	-25.91	Peak	1	135	High Channel
2475	83.61	H	94	-10.39	Avg	1	135	
4950	46.86	H	74	-27.14	Peak	1	135	High Channel
4950	35.71	H	54	-18.29	Avg	1	135	
								No Harmonics Found Beyond the 2nd Harmonic for the High Channel

FCC 15.249

Denon Brand Company
 RF Remote Controller
 Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Stand Alone Mode
Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	85.92	V	114	-28.08	Peak	2.02	180	Low Channel
2405	80.62	V	94	-13.38	Avg	2.02	180	
4810	42.31	V	74	-31.69	Peak	1.44	135	Low Channel
4810	30.13	V	54	-23.87	Avg	1.44	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Low Channel
2440	84.13	V	114	-29.87	Peak	1.66	135	Middle Channel
2440	79.77	V	94	-14.23	Avg	1.66	135	
4880	46.46	V	74	-27.54	Peak	2.06	135	Middle Channel
4880	31.72	V	54	-22.28	Avg	2.06	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Middle Channel
2475	83.61	V	114	-30.39	Peak	2.39	135	High Channel
2475	79.15	V	94	-14.85	Avg	2.39	135	
4950	45.46	V	74	-28.54	Peak	1.65	0	High Channel
4950	30.58	V	54	-23.42	Avg	1.65	0	
								No Harmonics Found Beyond the 2nd Harmonic for the High Channel

FCC 15.249

Denon Brand Company

RF Remote Controller

Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Stand Alone Mode**Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	89.93	H	114	-24.07	Peak	2.93	180	Low Channel
2405	85.74	H	94	-8.26	Avg	2.93	180	
4810	48.07	H	74	-25.93	Peak	2.14	135	Low Channel
4810	42.01	H	54	-11.99	Avg	2.14	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Low Channel
2440	87.41	H	114	-26.59	Peak	2.24	45	Middle Channel
2440	82.54	H	94	-11.46	Avg	2.24	45	
4880	47.51	H	74	-26.49	Peak	1.91	135	Middle Channel
4880	39.36	H	54	-14.64	Avg	1.91	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Middle Channel
2475	88.31	H	114	-25.69	Peak	1.51	135	High Channel
2475	84.02	H	94	-9.98	Avg	1.51	135	
4950	48.87	H	74	-25.13	Peak	2.26	135	High Channel
4950	41.56	H	54	-12.44	Avg	2.26	135	
								No Harmonics Found Beyond the 2nd Harmonic for the High Channel

Denon Brand Company
RF Remote Controller
Model: RC-7000CI

Date: 06/12/07
Lab: B
Tested By: Kyle Fujimoto

X-Axis, Y-Axis, and Z-Axis - Stand Alone Mode Receive Mode

[illegible]

Denon Brand Company
RF Remote Controller
Model: RC-7000CI

Date: 06/12/07
Lab: B
Tested By: Kyle Fujimoto

X-Axis, Y-Axis, and Z-Axis - Stand Alone Mode

Non-Harmonic Emissions from the Tx and Digital Portion

[illegible]



Test Location : Compatible Electronics
Customer : Denon Brand Company
Manufacturer : Denon Brand Company
Eut name : RF Remote Controller
Model : RC-70000CI
Serial # : N/A
Specification : FCC B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : Radiated Emissions - Stand Alone Mode
10 kHz to 1 GHz - Vertical and Horizontal Polarization
X-Axis (Worst Case)
Tested By: Kyle Fujimoto

Page : 1/1
Date : 6/12/2007
Time : 9:08:43
Lab : A
Test Distance : 3.0 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	64.067	48.20	1.09	10.71	33.04	26.95	40.00	-13.05
2V	128.099	38.50	1.85	12.03	33.16	19.23	43.50	-24.27
3V	159.895	38.00	2.24	12.49	32.98	19.75	43.50	-23.75
4V	224.045	33.90	2.79	15.18	32.90	18.98	46.00	-27.02
5H	510.822	51.30	4.69	15.93	32.48	39.44	46.00	-6.56
6V	510.854	47.10	4.69	15.93	32.48	35.25	46.00	-10.75
7H	687.970	31.10	5.95	19.81	32.32	24.54	46.00	-21.46

FCC 15.249

Denon Brand Company
 RF Remote Controller
 Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

X-Axis - With USB Cable to Computer
Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	88.41	V	114	-25.59	Peak	1.25	180	Low Channel
2405	83.94	V	94	-10.06	Avg	1.25	180	
4810	47.89	V	74	-26.11	Peak	1.25	135	Low Channel
4810	38.96	V	54	-15.04	Avg	1.25	135	
								No Harmonics Found
								Beyond the 2nd Harmonic
								for the Low Channel
2440	86.05	V	114	-27.95	Peak	1.25	90	Middle Channel
2440	80.77	V	94	-13.23	Avg	1.25	90	
4880	47.83	V	74	-26.17	Peak	1.25	225	Middle Channel
4880	41.63	V	54	-12.37	Avg	1.25	225	
								No Harmonics Found
								Beyond the 2nd Harmonic
								for the Middle Channel
2475	84.51	V	114	-29.49	Peak	1.35	90	High Channel
2475	79.91	V	94	-14.09	Avg	1.35	90	
4950	49.68	V	74	-24.32	Peak	4.96	180	High Channel
4950	43.71	V	54	-10.29	Avg	4.96	180	
								No Harmonics Found
								Beyond the 2nd Harmonic
								for the High Channel

FCC 15.249

Denon Brand Company

RF Remote Controller

Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

**X-Axis - With USB Cable to Computer
Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	85.14	H	114	-28.86	Peak	1.35	225	Low Channel
2405	80.81	H	94	-13.19	Avg	1.35	225	
4810	46.53	H	74	-27.47	Peak	1.25	180	Low Channel
4810	38.53	H	54	-15.47	Avg	1.25	180	
								No Harmonics Found Beyond the 2nd Harmonic for the Low Channel
2440	85.96	H	114	-28.04	Peak	1.25	90	Middle Channel
2440	80.51	H	94	-13.49	Avg	1.25	90	
4880	44.95	H	74	-29.05	Peak	1.26	225	Middle Channel
4880	33.85	H	54	-20.15	Avg	1.26	225	
								No Harmonics Found Beyond the 2nd Harmonic for the Middle Channel
2475	84.96	H	114	-29.04	Peak	3.26	135	High Channel
2475	79.71	H	94	-14.29	Avg	3.26	135	
4950	47.17	H	74	-26.83	Peak	2.26	175	High Channel
4950	41.12	H	54	-12.88	Avg	2.26	175	
								No Harmonics Found Beyond the 2nd Harmonic for the High Channel

FCC 15.249

Denon Brand Company
 RF Remote Controller
 Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - With USB Cable to Computer
Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	92.63	V	114	-21.37	Peak	1.25	225	Low Channel
2405	87.68	V	94	-6.32	Avg	1.25	225	
4810	47.67	V	74	-26.33	Peak	1.25	135	Low Channel
4810	41.51	V	54	-12.49	Avg	1.25	135	
								No Harmonics Found
								Beyond the 2nd Harmonic
								for the Low Channel
2440	92.15	V	114	-21.85	Peak	1.36	225	Middle Channel
2440	87.27	V	94	-6.73	Avg	1.36	225	
4880	48.29	V	74	-25.71	Peak	1.35	225	Middle Channel
4880	42.26	V	54	-11.74	Avg	1.35	225	
								No Harmonics Found
								Beyond the 2nd Harmonic
								for the Middle Channel
2475	91.03	V	114	-22.97	Peak	1.35	225	High Channel
2475	86.49	V	94	-7.51	Avg	1.35	225	
4950	50.99	V	74	-23.01	Peak	1	3.61	High Channel
4950	43.99	V	54	-10.01	Avg	1	3.61	
								No Harmonics Found
								Beyond the 2nd Harmonic
								for the High Channel

FCC 15.249

Denon Brand Company

RF Remote Controller

Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

**Y-Axis - With USB Cable to Computer
Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	88.97	H	114	-25.03	Peak	1.35	275	Low Channel
2405	84.34	H	94	-9.66	Avg	1.35	275	
4810	47.12	H	74	-26.88	Peak	1.25	135	Low Channel
4810	39.26	H	54	-14.74	Avg	1.25	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Low Channel
2440	86.51	H	114	-27.49	Peak	1.25	135	Middle Channel
2440	82.21	H	94	-11.79	Avg	1.25	135	
4880	46.86	H	74	-27.14	Peak	1.25	135	Middle Channel
4880	32.03	H	54	-21.97	Avg	1.25	135	
								No Harmonics Found Beyond the 2nd Harmonic for the Middle Channel
2475	86.08	H	114	-27.92	Peak	1.26	225	High Channel
2475	81.78	H	94	-12.22	Avg	1.26	225	
4950	47.93	H	74	-26.07	Peak	1.35	225	High Channel
4950	39.26	H	54	-14.74	Avg	1.35	225	
								No Harmonics Found Beyond the 2nd Harmonic for the High Channel

FCC 15.249

Denon Brand Company
 RF Remote Controller
 Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

**Z-Axis - With USB Cable to Computer
 Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	87.12	V	114	-26.88	Peak	2.26	135	Low Channel
2405	81.77	V	94	-12.23	Avg	2.26	135	
4810	46.19	V	74	-27.81	Peak	1.25	225	Low Channel
4810	39.68	V	54	-14.32	Avg	1.25	225	
								No Harmonics Found Beyond the 2nd Harmonic for the Low Channel
2440	85.76	V	114	-28.24	Peak	1.35	135	Middle Channel
2440	80.55	V	94	-13.45	Avg	1.35	135	
4880	45.24	V	74	-28.76	Peak	1.35	225	Middle Channel
4880	36.52	V	54	-17.48	Avg	1.35	225	
								No Harmonics Found Beyond the 2nd Harmonic for the Middle Channel
2475	83.06	V	114	-30.94	Peak	1.25	150	High Channel
2475	78.09	V	94	-15.91	Avg	1.25	150	
4950	45.55	V	74	-28.45	Peak	1.58	180	High Channel
4950	32.81	V	54	-21.19	Avg	1.58	180	
								No Harmonics Found Beyond the 2nd Harmonic for the High Channel

FCC 15.249

Denon Brand Company

RF Remote Controller

Model: RC-7000CI

Date: 06/11/07

Lab: B

Tested By: Kyle Fujimoto

**Z-Axis - With USB Cable to Computer
Transmit Mode**

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2405	95.1	H	114	-18.9	Peak	1.25	135	Low Channel
2405	90.79	H	94	-3.21	Avg	1.25	135	
4810	46.41	H	74	-27.59	Peak	1.35	225	Low Channel
4810	30.37	H	54	-23.63	Avg	1.35	225	
								No Harmonics Found Beyond the 2nd Harmonic for the Low Channel
2440	91.75	H	114	-22.25	Peak	1.35	180	Middle Channel
2440	86.93	H	94	-7.07	Avg	1.35	180	
4880	46.21	H	74	-27.79	Peak	1.35	225	Middle Channel
4880	37.24	H	54	-16.76	Avg	1.35	225	
								No Harmonics Found Beyond the 2nd Harmonic for the Middle Channel
2475	92.67	H	114	-21.33	Peak	1.35	180	High Channel
2475	88.22	H	94	-5.78	Avg	1.35	180	
4950	46.87	H	74	-27.13	Peak	1.29	180	High Channel
4950	36.42	H	54	-17.58	Avg	1.29	180	
								No Harmonics Found Beyond the 2nd Harmonic for the High Channel

Denon Brand Company
RF Remote Controller
Model: RC-7000CI

Date: 06/12/07
Lab: B
Tested By: Kyle Fujimoto

X-Axis, Y-Axis, and Z-Axis - With USB Cable to Compute Receive Mode

[illegible]

Denon Brand Company
RF Remote Controller
Model: RC-7000CI

Date: 06/12/07
Lab: B
Tested By: Kyle Fujimoto

X-Axis, Y-Axis, and Z-Axis - With USB Cable to Compute Non-Harmonic Emissions from the Tx and Digital Portion

[illegible]

Test Location	: Compatible Electronics	Page	: 1/1
Customer	: Denon Brand Company	Date	: 6/12/2007
Manufacturer	: Denon Brand Company	Time	: 14:01:13
Eut name	: RF Remote Controller	Lab	: A
Model	: RC-70000CI	Test Distance	: 3.0 Meters
Serial #	: N/A		
Specification	: FCC B		
Distance correction factor (20 * log(test/spec)			: 0.00
Test Mode	: Radiated Emissions - With USB Cable to Computer		
	10 kHz to 1 GHz - Vertical and Horizontal Polarization		
	X-Axis (Worst Case)		
	Tested By: Kyle Fujimoto		

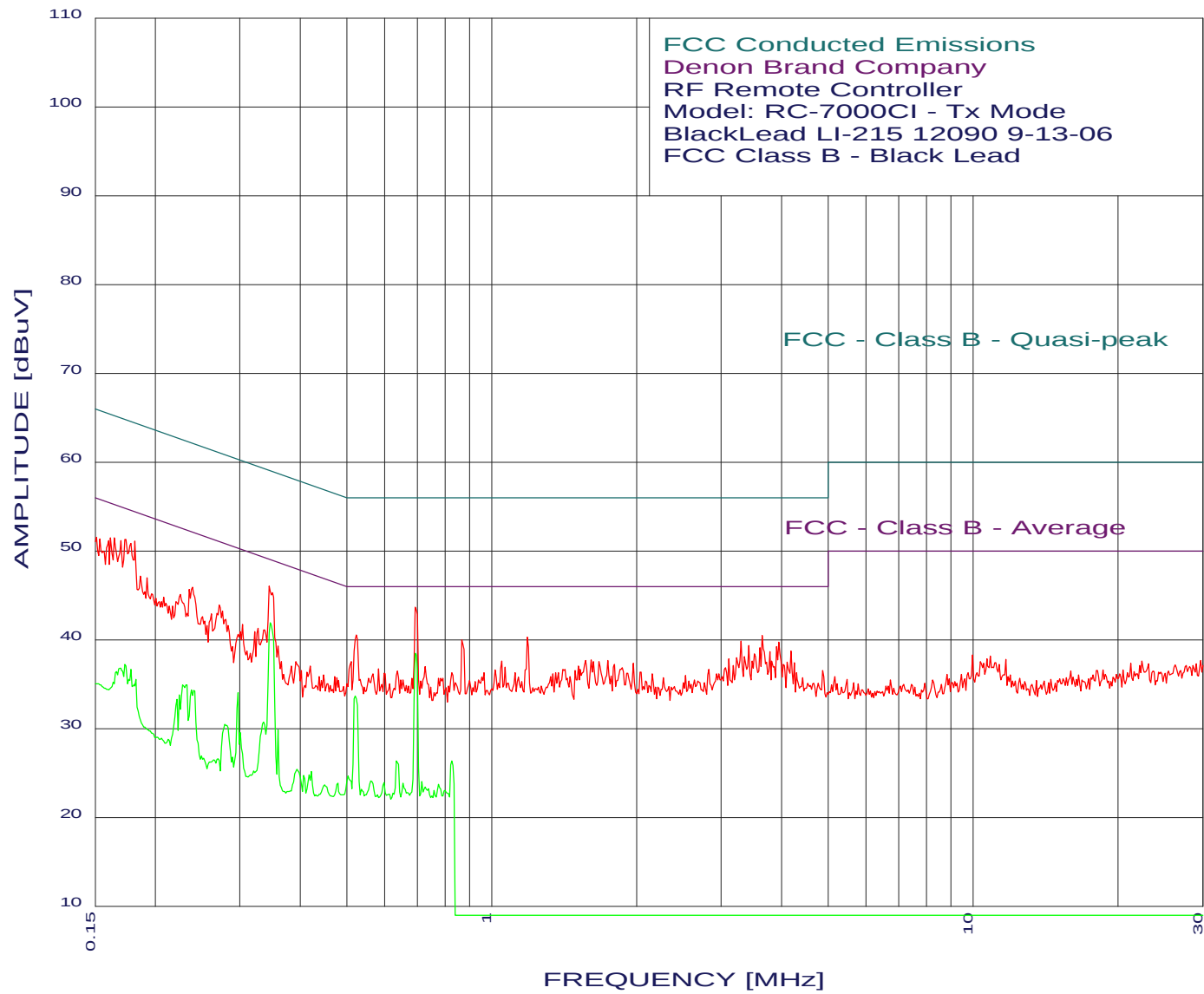
Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L dB
1H	127.993	37.70	1.85	12.04	33.16	18.43	43.50	-25.07
2V	128.097	49.30	1.85	12.03	33.16	30.03	43.50	-13.47
3V	159.893	38.20	2.24	12.49	32.98	19.95	43.50	-23.55
4V	224.043	41.20	2.79	15.18	32.90	26.28	46.00	-19.72
5H	256.053	39.50	2.88	15.28	32.90	24.75	46.00	-21.25
6H	296.053	32.20	3.18	20.15	32.98	22.55	46.00	-23.45
7V	510.937	33.10	4.69	15.93	32.48	21.25	46.00	-24.75
8H	510.937	34.40	4.69	15.93	32.48	22.55	46.00	-23.45
9V	688.107	32.30	5.95	19.82	32.32	25.74	46.00	-20.26
10H	688.107	32.10	5.95	19.82	32.32	25.54	46.00	-20.46

CONDUCTED EMISSIONS

DATA SHEETS

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

6/12/2007 10:18:41





**COMPATIBLE
ELECTRONICS**

6/12/2007 10:18:41

Denon Brand Company
RF Remote Controller
Model: RC-7000CI - Tx Mode (Worst Case)
FCC Class B - Black Lead
TEST ENGINEER : Kyle Fujimoto

49 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.694	43.65	46.00	-2.35*
2	0.345	46.00	49.09	-3.09*
3	0.182	51.07	54.41	-3.34*
4	0.174	51.27	54.77	-3.50*
5	0.178	50.87	54.59	-3.72*
6	0.164	51.47	55.25	-3.78*
7	0.170	51.17	54.98	-3.82*
8	0.162	51.46	55.38	-3.92*
9	0.160	51.16	55.47	-4.31*
10	0.153	51.36	55.82	-4.46*
11	0.524	40.53	46.00	-5.47*
12	3.644	40.48	46.00	-5.52
13	1.184	40.28	46.00	-5.72
14	0.867	39.97	46.00	-6.03
15	3.294	39.87	46.00	-6.13
16	0.239	45.89	52.12	-6.24
17	3.945	39.69	46.00	-6.31
18	3.419	39.37	46.00	-6.63
19	3.903	39.19	46.00	-6.81
20	3.605	39.08	46.00	-6.92
21	0.193	46.98	53.93	-6.95*
22	0.186	47.17	54.19	-7.02*
23	0.272	43.89	51.07	-7.17*
24	4.182	38.70	46.00	-7.30
25	3.781	38.69	46.00	-7.31
26	0.226	45.08	52.61	-7.53*
27	3.511	38.38	46.00	-7.62
28	3.346	38.07	46.00	-7.93
29	3.226	37.96	46.00	-8.04
30	3.107	37.86	46.00	-8.14
31	0.338	41.10	49.26	-8.16*
32	0.327	41.30	49.53	-8.23*
33	1.611	37.75	46.00	-8.25
34	1.569	37.65	46.00	-8.35
35	1.745	37.64	46.00	-8.36
36	3.820	37.59	46.00	-8.41
37	1.049	37.59	46.00	-8.41
38	0.304	41.70	50.14	-8.45*
39	1.629	37.55	46.00	-8.45
40	1.671	37.54	46.00	-8.46
41	0.510	37.53	46.00	-8.47*
42	0.208	44.78	53.27	-8.49*
43	0.262	42.89	51.38	-8.49*
44	4.114	37.50	46.00	-8.50
45	4.249	37.40	46.00	-8.60
46	1.971	37.32	46.00	-8.68
47	0.322	40.90	49.66	-8.76*
48	1.800	37.23	46.00	-8.77
49	4.029	37.19	46.00	-8.81

*Please See the Average Readings on the Next Page and on the Plot



**COMPATIBLE
ELECTRONICS**

6/12/2007 10:18:41

Denon Brand Company
RF Remote Controller
Model: RC-7000CI - Tx Mode (Worst Case)
FCC Class B - Black Lead
TEST ENGINEER : Kyle Fujimoto

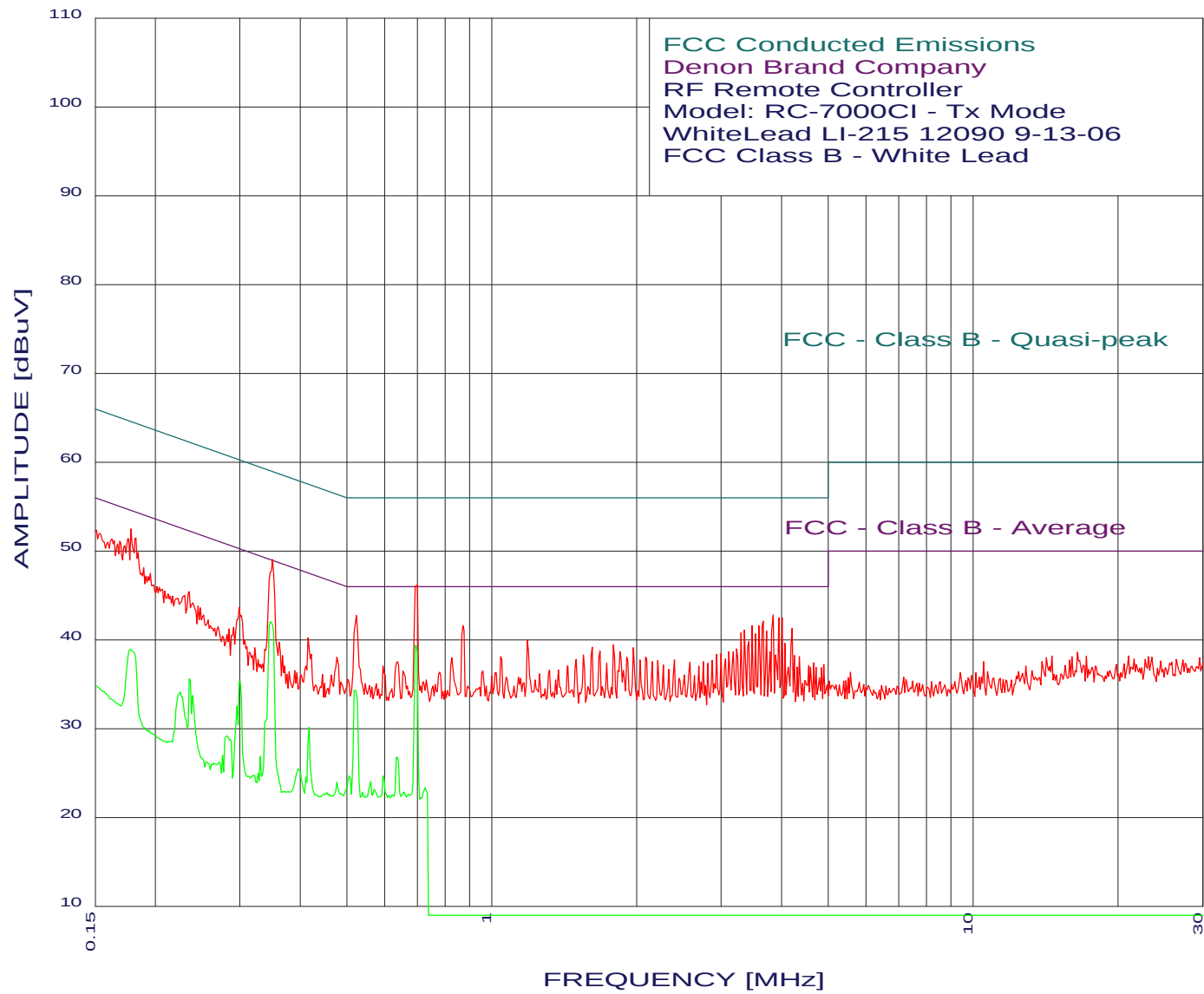
50 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.347	41.91	49.04	-7.13
2	0.694	38.46	46.00	-7.54
3	0.521	33.66	46.00	-12.34
4	0.297	34.03	50.32	-16.30
5	0.233	34.93	52.34	-17.42
6	0.173	37.19	54.81	-17.62
7	0.228	34.89	52.52	-17.63
8	0.240	34.31	52.08	-17.77
9	0.238	34.35	52.17	-17.82
10	0.178	36.68	54.59	-17.91
11	0.169	36.80	55.03	-18.23
12	0.336	30.72	49.31	-18.58
13	0.166	36.42	55.16	-18.74
14	0.183	35.55	54.37	-18.82
15	0.360	29.86	48.73	-18.88
16	0.224	33.75	52.65	-18.90
17	0.176	35.55	54.68	-19.13
18	0.222	33.29	52.74	-19.45
19	0.181	34.97	54.46	-19.48
20	0.634	26.35	46.00	-19.65
21	0.826	26.32	46.00	-19.68
22	0.163	35.25	55.29	-20.05
23	0.279	30.45	50.85	-20.40
24	0.300	29.54	50.23	-20.70
25	0.152	35.02	55.91	-20.89
26	0.502	24.66	46.00	-21.34
27	0.561	24.08	46.00	-21.92
28	0.716	24.03	46.00	-21.97
29	0.598	23.88	46.00	-22.12
30	0.655	23.82	46.00	-22.18
31	0.421	25.15	47.42	-22.27
32	0.775	23.69	46.00	-22.31
33	0.479	23.87	46.36	-22.49
34	0.393	25.43	47.99	-22.56
35	0.728	23.40	46.00	-22.60
36	0.417	24.78	47.50	-22.73
37	0.739	23.25	46.00	-22.75
38	0.535	23.14	46.00	-22.86
39	0.801	23.03	46.00	-22.97
40	0.759	23.02	46.00	-22.98
41	0.406	24.71	47.72	-23.01
42	0.669	22.78	46.00	-23.22
43	0.449	23.65	46.89	-23.24
44	0.624	22.69	46.00	-23.31
45	0.614	22.61	46.00	-23.39
46	0.580	22.53	46.00	-23.47
47	0.751	22.38	46.00	-23.62
48	0.290	26.75	50.54	-23.78
49	0.196	29.70	53.80	-24.10
50	0.464	22.42	46.62	-24.20

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

6/12/2007 10:10:52





**COMPATIBLE
ELECTRONICS**

6/12/2007 10:10:52

Denon Brand Company

RF Remote Controller

Model: RC-7000CI - Tx Mode (Worst Case)

FCC Class B - White Lead

TEST ENGINEER : Kyle Fujimoto

49 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.701	46.15	46.00	0.15*
2	0.350	49.01	48.95	0.05*
3	0.178	52.47	54.59	-2.12*
4	0.183	51.47	54.37	-2.90*
5	3.841	42.79	46.00	-3.21
6	0.524	42.73	46.00	-3.27*
7	0.176	51.37	54.68	-3.31*
8	4.008	42.49	46.00	-3.51
9	3.945	42.49	46.00	-3.51
10	3.663	42.08	46.00	-3.92
11	0.169	51.07	55.03	-3.96*
12	0.162	51.36	55.34	-3.97*
13	0.167	50.77	55.11	-4.35*
14	3.585	41.58	46.00	-4.42
15	0.872	41.57	46.00	-4.43
16	3.474	41.57	46.00	-4.43
17	4.204	41.30	46.00	-4.70
18	3.346	41.07	46.00	-4.93
19	3.722	40.98	46.00	-5.02
20	3.294	40.77	46.00	-5.23
21	3.529	40.68	46.00	-5.32
22	1.184	39.88	46.00	-6.12
23	3.419	39.77	46.00	-6.23
24	0.196	47.48	53.80	-6.32*
25	4.071	39.60	46.00	-6.40
26	1.790	39.43	46.00	-6.57
27	0.299	43.60	50.28	-6.68*
28	1.620	39.15	46.00	-6.85
29	0.235	45.39	52.25	-6.87*
30	1.971	39.12	46.00	-6.88
31	3.226	38.96	46.00	-7.04
32	1.680	38.74	46.00	-7.26
33	3.781	38.69	46.00	-7.31
34	0.415	40.22	47.55	-7.33*
35	3.175	38.66	46.00	-7.34
36	3.107	38.66	46.00	-7.34
37	1.849	38.63	46.00	-7.37
38	0.230	44.99	52.43	-7.45*
39	2.995	38.46	46.00	-7.54
40	2.932	38.35	46.00	-7.65
41	3.882	38.29	46.00	-7.71
42	0.210	45.48	53.23	-7.74*
43	1.552	38.25	46.00	-7.75
44	4.249	38.20	46.00	-7.80
45	4.361	38.11	46.00	-7.89
46	1.043	38.09	46.00	-7.91
47	1.908	38.03	46.00	-7.97
48	2.089	38.02	46.00	-7.98
49	0.826	37.97	46.00	-8.03

*Please See the Average Readings on the Next Page and on the Plot



**COMPATIBLE
ELECTRONICS**

6/12/2007 10:10:52

Denon Brand Company

RF Remote Controller

Model: RC-7000CI - Tx Mode (Worst Case)

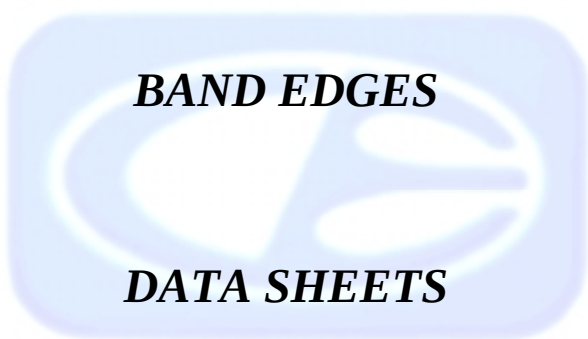
FCC Class B - White Lead

TEST ENGINEER : Kyle Fujimoto

50 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.694	39.33	46.00	-6.67
2	0.347	42.01	49.04	-7.03
3	0.521	34.37	46.00	-11.63
4	0.300	35.27	50.23	-14.97
5	0.177	38.90	54.63	-15.73
6	0.235	35.59	52.25	-16.67
7	0.417	30.19	47.50	-17.32
8	0.296	32.53	50.36	-17.84
9	0.239	33.71	52.12	-18.42
10	0.226	34.09	52.61	-18.52
11	0.228	33.54	52.52	-18.98
12	0.634	26.81	46.00	-19.19
13	0.595	24.67	46.00	-21.33
14	0.505	24.66	46.00	-21.34
15	0.282	29.16	50.76	-21.60
16	0.286	28.78	50.63	-21.84
17	0.561	24.01	46.00	-21.99
18	0.476	24.00	46.40	-22.41
19	0.396	25.49	47.95	-22.45
20	0.331	26.86	49.44	-22.58
21	0.400	25.26	47.86	-22.59
22	0.728	23.32	46.00	-22.68
23	0.570	23.15	46.00	-22.85
24	0.411	24.53	47.63	-23.11
25	0.658	22.86	46.00	-23.14
26	0.538	22.84	46.00	-23.16
27	0.672	22.62	46.00	-23.38
28	0.621	22.53	46.00	-23.47
29	0.611	22.44	46.00	-23.56
30	0.489	22.60	46.18	-23.59
31	0.544	22.36	46.00	-23.64
32	0.713	22.24	46.00	-23.76
33	0.276	26.99	50.94	-23.94
34	0.195	29.80	53.84	-24.04
35	0.454	22.75	46.80	-24.05
36	0.459	22.59	46.71	-24.12
37	0.449	22.59	46.89	-24.30
38	0.197	29.45	53.75	-24.31
39	0.216	28.61	52.96	-24.35
40	0.203	28.96	53.49	-24.53
41	0.213	28.53	53.09	-24.56
42	0.327	24.95	49.53	-24.58
43	0.206	28.77	53.35	-24.58
44	0.210	28.57	53.23	-24.65
45	0.433	22.51	47.19	-24.69
46	0.438	22.34	47.11	-24.77
47	0.272	26.24	51.07	-24.82
48	0.322	24.70	49.66	-24.96
49	0.265	26.08	51.29	-25.21
50	0.313	24.57	49.88	-25.31

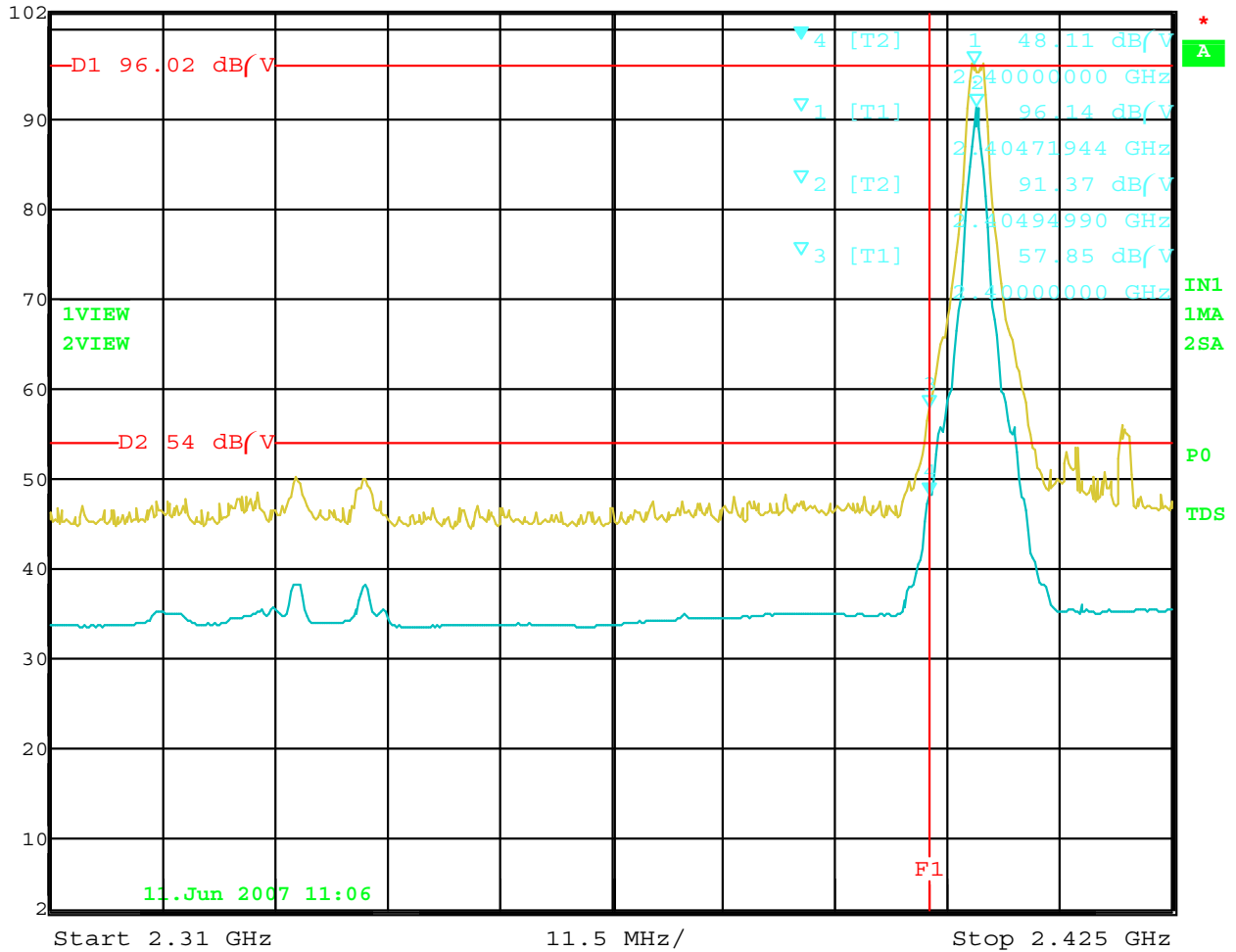


BAND EDGES

DATA SHEETS



Ref Lvl 102 dB/V
Marker 4 [T2] 48.11 dB/V
2.40000000 GHz
RBW 1 MHz
VBW 10 Hz
SWT 29 s
RF Att 10 dB
Unit dB/V

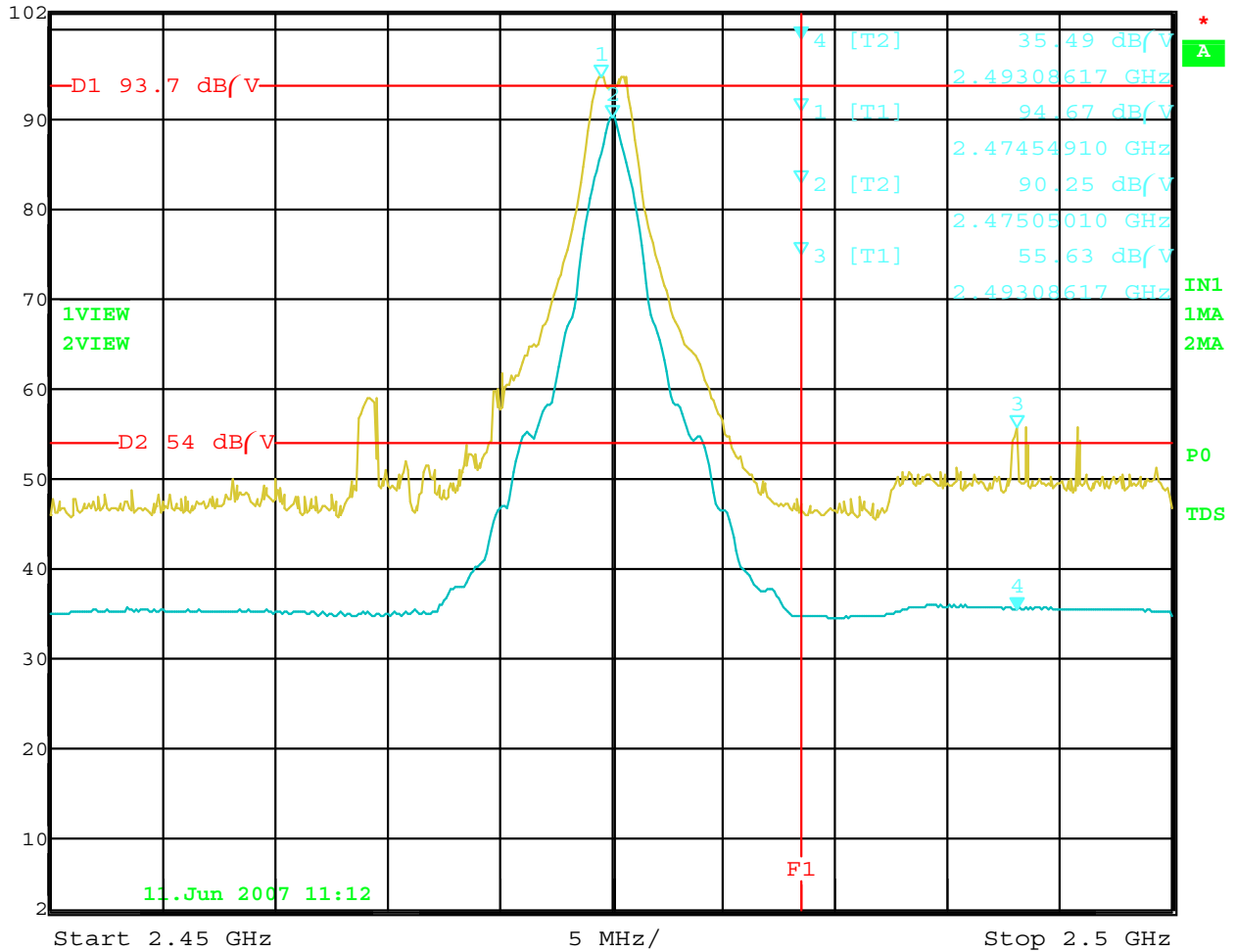


Date: 11.JUN.2007 11:06:37

Band Edge Low Channel – Vertical Polarization (Worst Case) – Y-Axis (Worst Case) – Stand Alone Mode



Marker 4 [T2] RBW 1 MHz RF Att 10 dB
Ref Lvl 35.49 dB/V VBW 10 Hz
102 dB/V 2.49308617 GHz SWT 12.5 s Unit dB/V

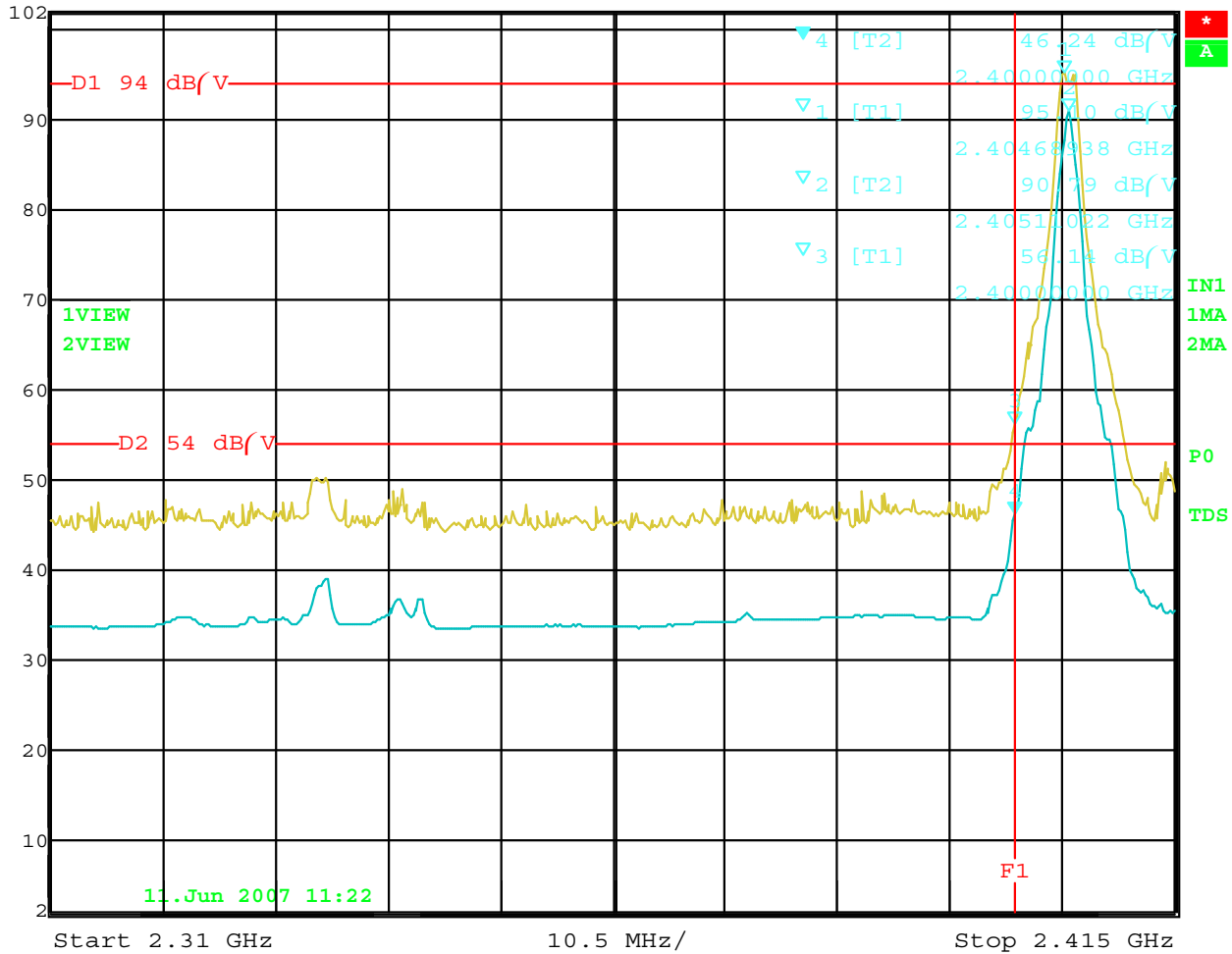


Date: 11.JUN.2007 11:12:51

Band Edge High Channel – Vertical Polarization (Worst Case) – Y-Axis (Worst Case) – Stand Alone Mode



Ref Lvl 102 dB/V
Marker 4 [T2] 46.24 dB/V
2.40000000 GHz
RBW 1 MHz
VBW 10 Hz
SWT 27 s
RF Att 10 dB
Unit dB/V

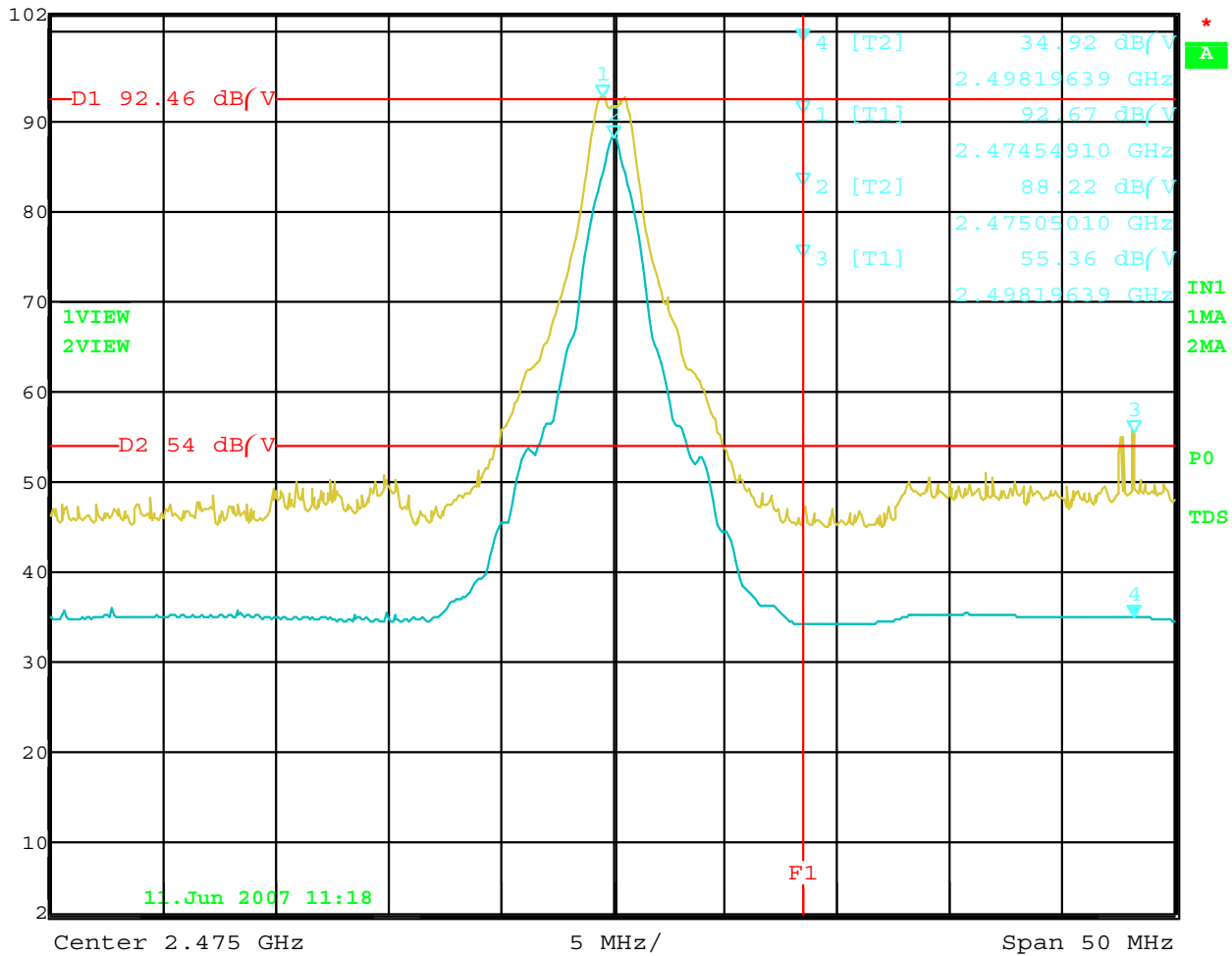


Date: 11.JUN.2007 11:22:10

Band Edge Low Channel – Horizontal Polarization (Worst Case) – Z-Axis (Worst Case) – USB Mode



Ref Lvl 102 dB/V
Marker 4 [T2] 34.92 dB/V
2.49819639 GHz
RBW 1 MHz
VBW 10 Hz
SWT 12.5 s
RF Att 10 dB
Unit dB/V



Date: 11.JUN.2007 11:18:24

Band Edge High Channel – Horizontal Polarization (Worst Case) – Z-Axis (Worst Case) – USB Mode