

*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, JAPANPrepared by: 

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DATE: JANUARY 17, 2008

	REPORT BODY	APPENDICES					TOTAL
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2	Plot Map And Layout of 3 Meter Radiated Site

GENERAL REPORT SUMMARY

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

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

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

Device Tested: 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: January 10, 16, and 17, 2008

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.

This report is a class II permissive change due to the following changes:

1. The top and bottom housing plastics were modified to improve the production yield. These changes are transparent to the end user..
2. The power level for FCC testing was +0.6 dB and now is -0.9 dB to match production power settings.

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 January 16, 2008.

2.5 Disposition of the Test Sample

The sample has not been returned to Denon Brand Company as of January 30, 2008.

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	MANUFACTURER	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	100172	November 27, 2006	Nov. 27, 2008
Monitor	Hewlett Packard	D5258A	TW74500641	N/A	N/A
RF RADIATED EMISSIONS TEST EQUIPMENT					
Preamplifier	Com Power	PA-102	1017	January 16, 2007	Jan. 16, 2008
Biconical Antenna	Com Power	AB-900	15227	March 8, 2007	March 8, 2008
Log Periodic Antenna	Com Power	AL-100	16060	July 9, 2007	July 9, 2008
Loop Antenna	Com Power	AL-130	17089	September 24, 2007	Sept. 24, 2008
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, 2007	Dec. 12, 2009
Antenna Mast	Com Power	AM-100	N/A	N/A	N/A
RF CONDUCTED EMISSIONS TEST EQUIPMENT					
Transient Limiter	Seaward	252A910	1	September 19, 2007	September 19, 2008
LISN	Com Power	LI-215	12082	September 26, 2007	September 26, 2008
LISN	Com Power	LI-215	12078	September 26, 2007	September 26, 2008

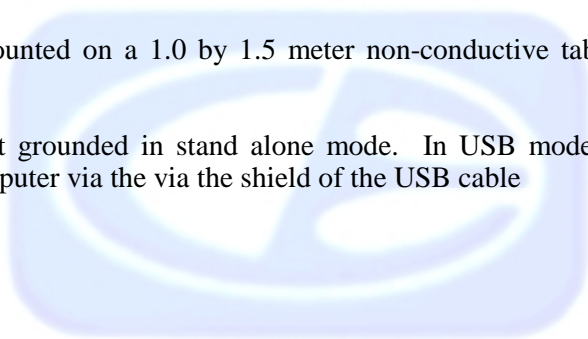
6. TEST SITE DESCRIPTION**6.1 Test Facility Description**

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

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

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

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

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

LABORATORY RECOGNITIONS

Compatible Electronics has the following agency accreditations:

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

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

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

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

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

Federal Communications Commission

Industry Canada

Radio-Frequency Technologies (Competent Body)





APPENDIX B

MODIFICATIONS TO THE EUT

MODIFICATIONS TO THE EUT

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

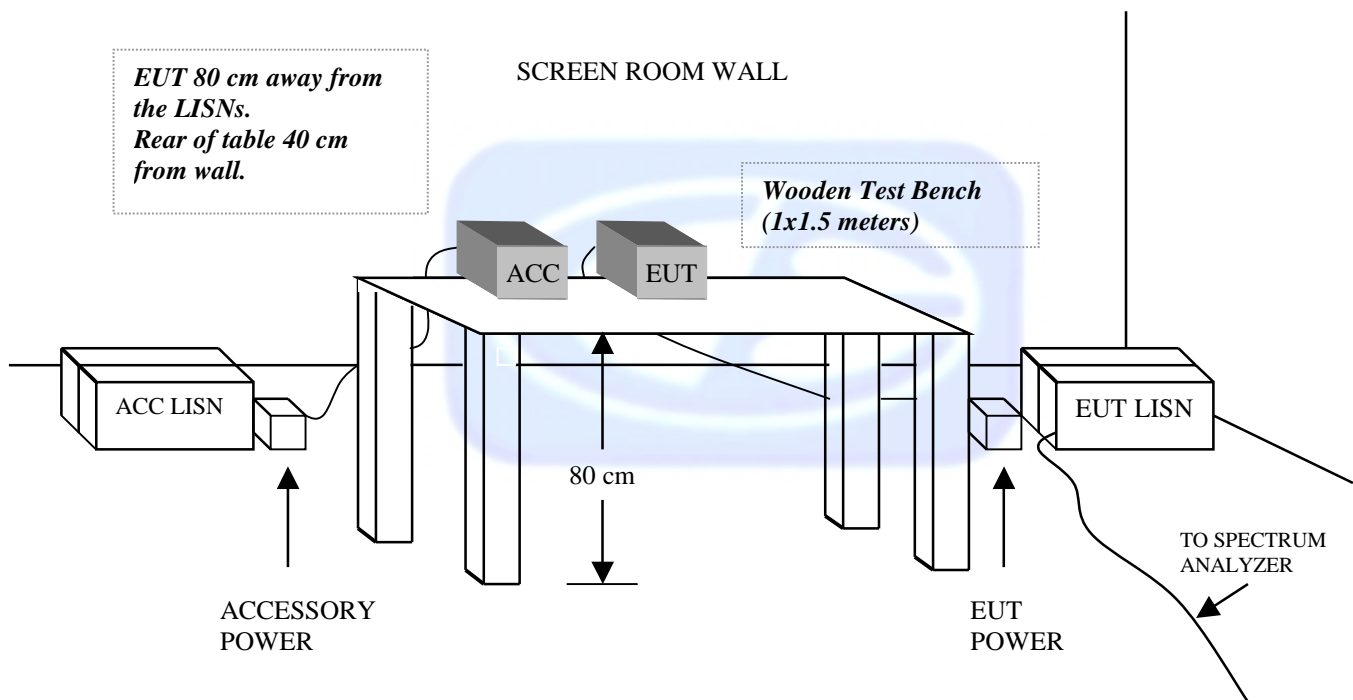
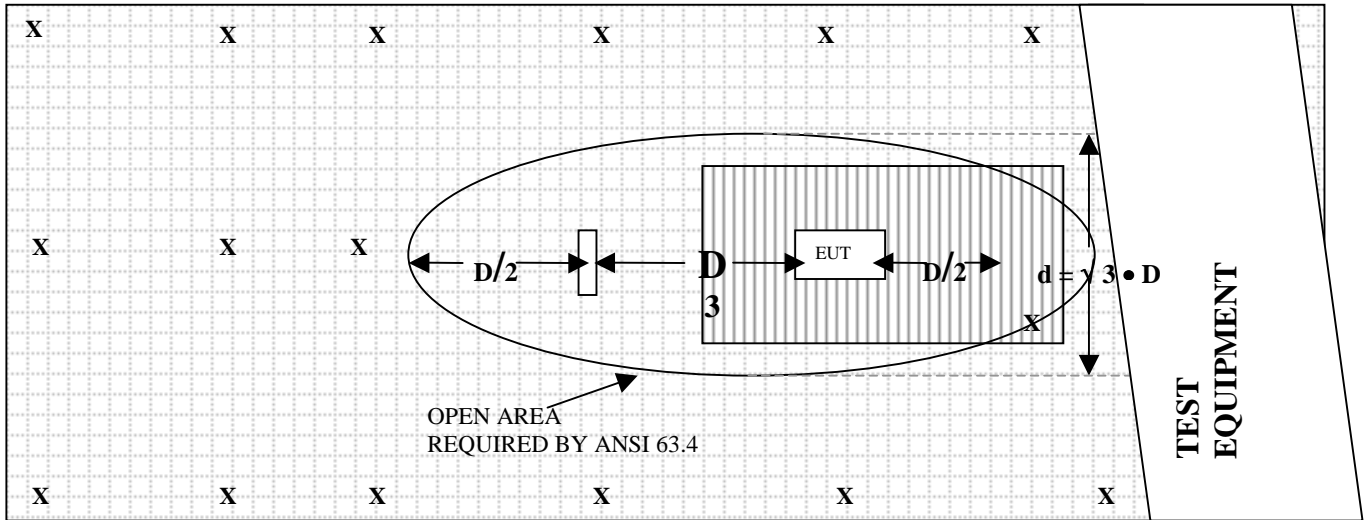


FIGURE 2: PLOT MAP AND LAYOUT OF 3 METER RADIATED SITE

OPEN LAND > 15 METERS

OPEN LAND > 15 METERS



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 8, 2007

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	12.6	100	12.3
35	10.0	120	14.7
40	9.5	140	13.0
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

COM-POWER AL-100**LOG PERIODIC ANTENNA**

S/N: 16060

CALIBRATION DATE: JULY 9, 2007

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
300	13.5	700	20.5
400	15.8	800	21.6
500	17.0	900	21.3
600	19.2	1000	22.2

COM-POWER PA-102**PREAMPLIFIER**

S/N: 1017

CALIBRATION DATE: JANUARY 11, 2008

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	38.2	300	38.0
40	38.0	350	38.3
50	38.3	400	38.0
60	38.6	450	37.5
70	38.4	500	37.9
80	38.4	550	37.9
90	38.3	600	37.8
100	38.1	650	37.5
125	38.5	700	38.0
150	38.2	750	37.7
175	38.1	800	37.1
200	38.4	850	37.1
225	38.2	900	37.1
250	38.2	950	37.0
275	38.2	1000	36.5

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 24, 2007

FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)
0.009	-41.27	10.23
0.01	-41.96	9.54
0.02	-41.73	9.77
0.05	-42.0	9.5
0.07	-41.5	10.0
0.1	-41.43	10.07
0.2	-43.9	7.9
0.3	-41.43	10.07
0.5	-41.40	10.1
0.7	-41.13	10.37
1	-40.83	10.67
2	-40.30	11.20
3	-40.60	10.90
4	-41.00	10.50
5	-40.20	11.30
10	-40.40	11.10
15	-41.67	9.83
20	-41.10	10.40
25	-42.80	8.70
30	-42.80	8.70



FRONT VIEW

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

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

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

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

Silverado Division
19121 El Toro Road
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 – STAND ALONE MODE
MODEL: RC-7000CI
FCC SUBPART B AND C – RADIATED EMISSIONS – LAB D

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

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

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

Silverado Division
19121 El Toro Road
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 – 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



REAR VIEW

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

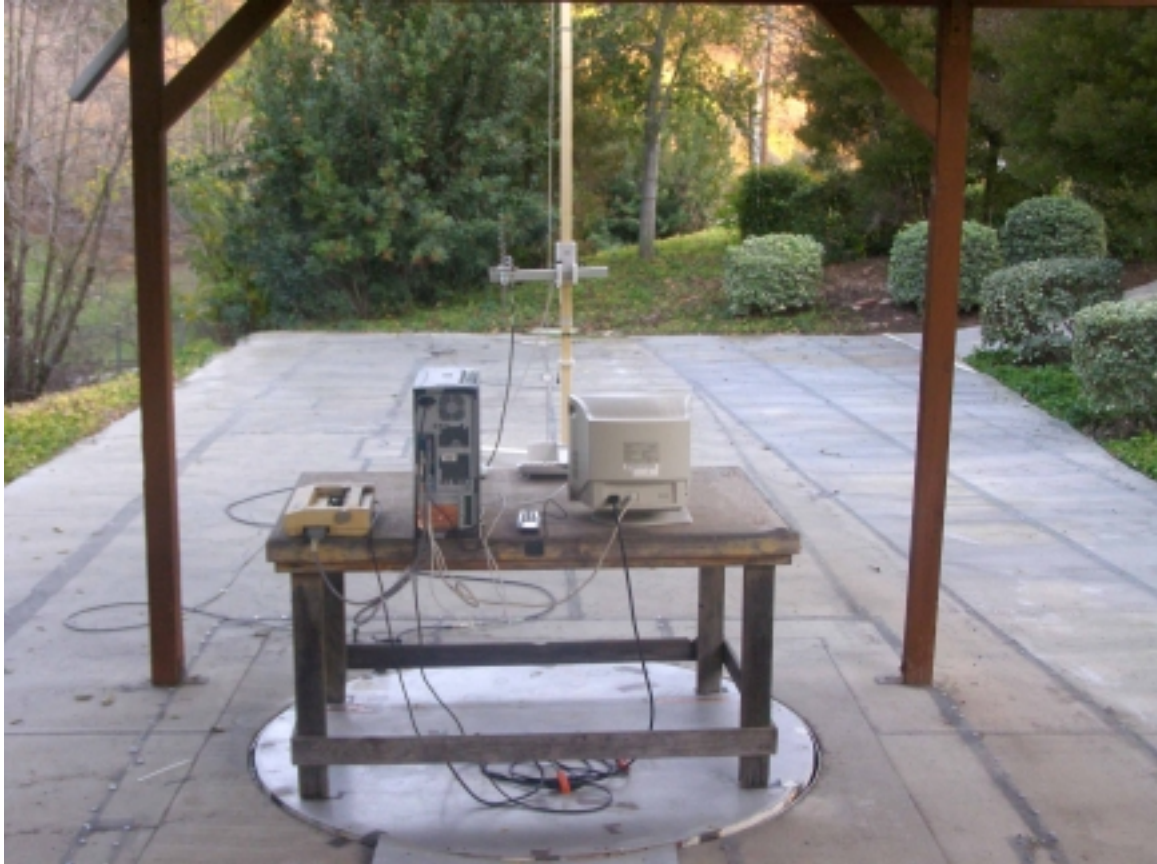
**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**



FRONT VIEW

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

**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 D

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

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Agoura, CA 91301
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Silverado Division
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Silverado, CA 92676
(949) 589-0700

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



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**

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Brea, CA 92823
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Agoura, CA 91301
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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
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Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
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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

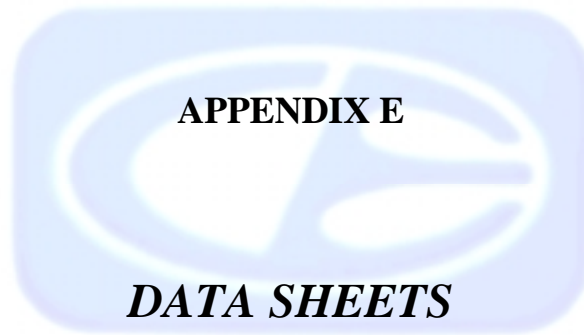
Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400



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**



RADIATED EMISSIONS

DATA SHEETS

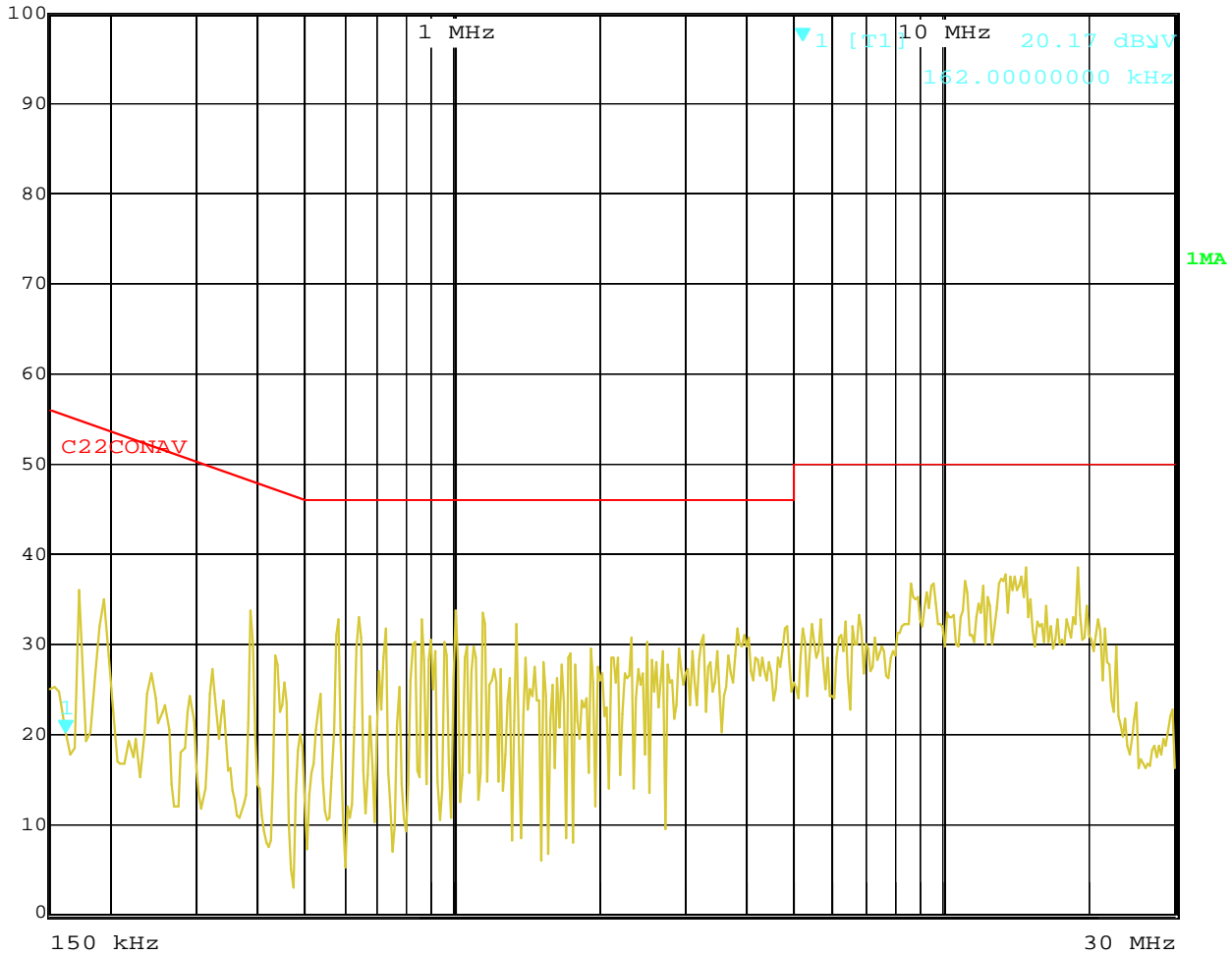
CONDUCTED EMISSIONS

DATA SHEETS

FCC Conducted Emissions
Denon Brand Company
RF Remote Controller
Model: RC-7000CI - 115 VAC
FCC Class B - Black Lead
Configuration: USB Mode
Tested By: Kyle Fujimoto



Att 0 dB AUTO Marker 1 [T1] Det MA Trd COND102
INPUT 2 20.17 dBV ResBW 10 kHz
162.0000000 kHz Meas T 100 ms Unit dBV



Date: 17.JAN.2008 14:19:42

FCC Conducted Emissions
 Denon Brand Company
 RF Remote Controller
 Model: RC-7000CI – 115 VAC
 FCC Class B – Black Lead
 Configuration: USB Mode
 Tested By: Kyle Fujimoto

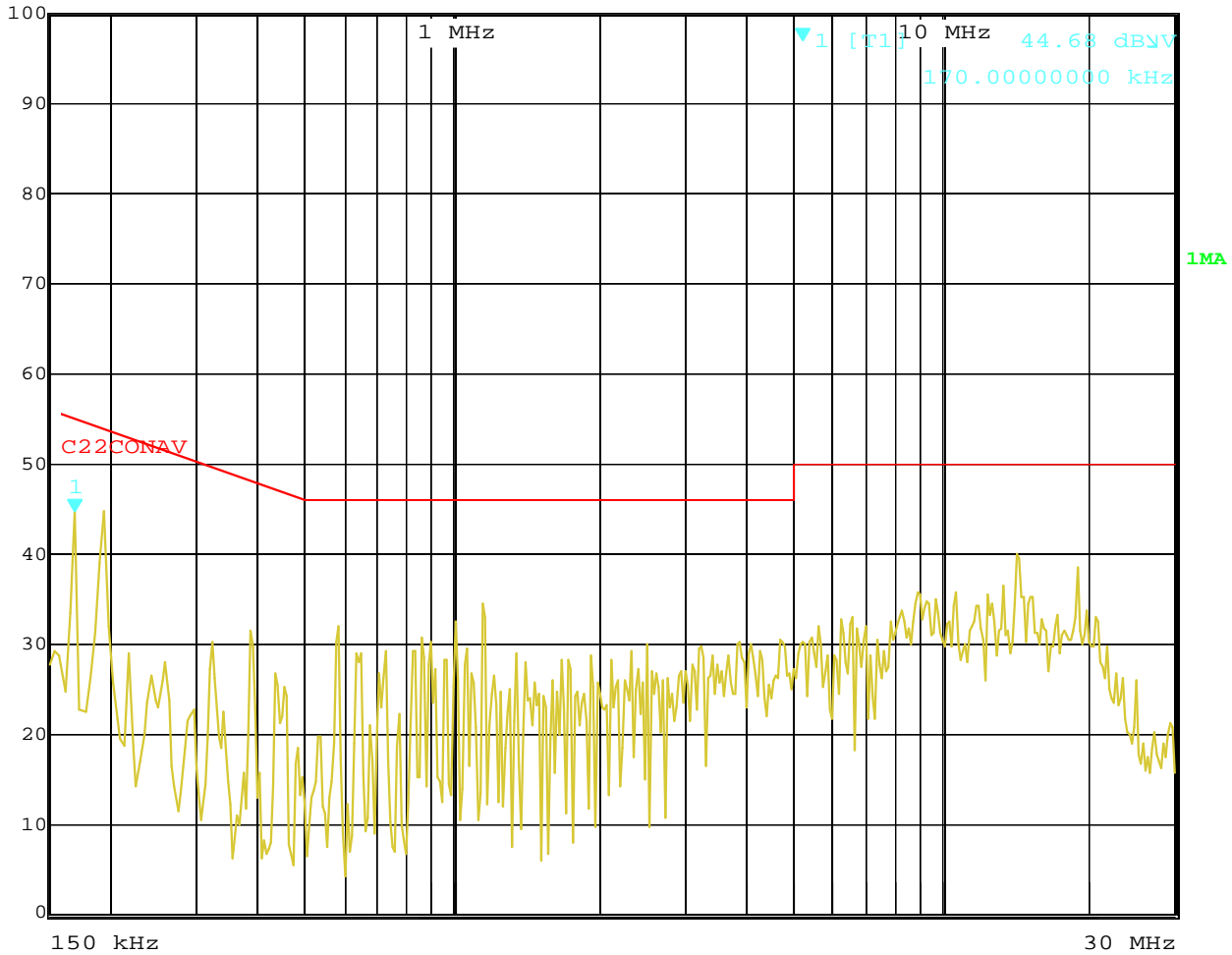
EDIT PEAK LIST (Final Results)			
Trace1: C22CONAV		Trace2: ---	
Trace3: ---		Trace4: ---	
TRACE	FREQUENCY	LEVEL dBV	DELTA LIMIT dB
1 Max Peak	19.0980 MHz	38.41	-11.58
1 Max Peak	14.8980 MHz	38.38	-11.61
1 Max Peak	1.0180 MHz	33.74	-12.25
1 Max Peak	13.5940 MHz	37.69	-12.30
1 Max Peak	14.7060 MHz	37.45	-12.55
1 Max Peak	1.1580 MHz	33.39	-12.60
1 Max Peak	13.9300 MHz	37.35	-12.64
1 Max Peak	14.1260 MHz	37.25	-12.74
1 Max Peak	14.9460 MHz	37.22	-12.77
1 Max Peak	14.1740 MHz	37.13	-12.87
1 Max Peak	13.2540 MHz	37.01	-12.98
1 Max Peak	11.2700 MHz	36.99	-13.00
1 Max Peak	642.0000 kHz	32.99	-13.01
1 Max Peak	13.5460 MHz	36.92	-13.07
1 Max Peak	13.4980 MHz	36.91	-13.08
1 Max Peak	14.2300 MHz	36.76	-13.23
1 Max Peak	582.0000 kHz	32.62	-13.37
1 Max Peak	8.7060 MHz	36.58	-13.41
1 Max Peak	13.6420 MHz	36.56	-13.43
1 Max Peak	9.7220 MHz	36.54	-13.45

Date: 17.JAN.2008 14:20:03

FCC Conducted Emissions
 Denon Brand Company
 RF Remote Controller
 Model: RC-7000CI - 115 VAC
 FCC Class B - Black Lead
 Configuration: USB Mode
 Tested By: Kyle Fujimoto



Att 0 dB AUTO Marker 1 [T1] Det MA Trd COND102
 INPUT 2 44.68 dBV ResBW 10 kHz
 170.0000000 kHz Meas T 100 ms Unit dBV

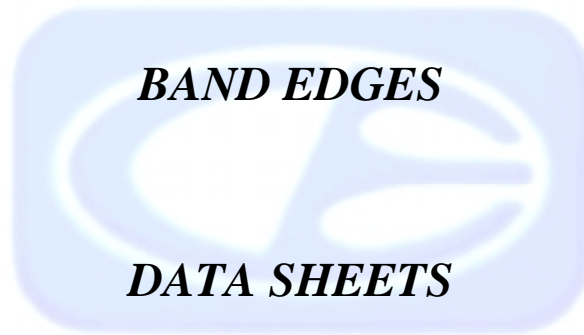


Date: 17.JAN.2008 14:21:07

FCC Conducted Emissions
 Denon Brand Company
 RF Remote Controller
 Model: RC-7000CI – 115 VAC
 FCC Class B – Black Lead
 Configuration: USB Mode
 Tested By: Kyle Fujimoto

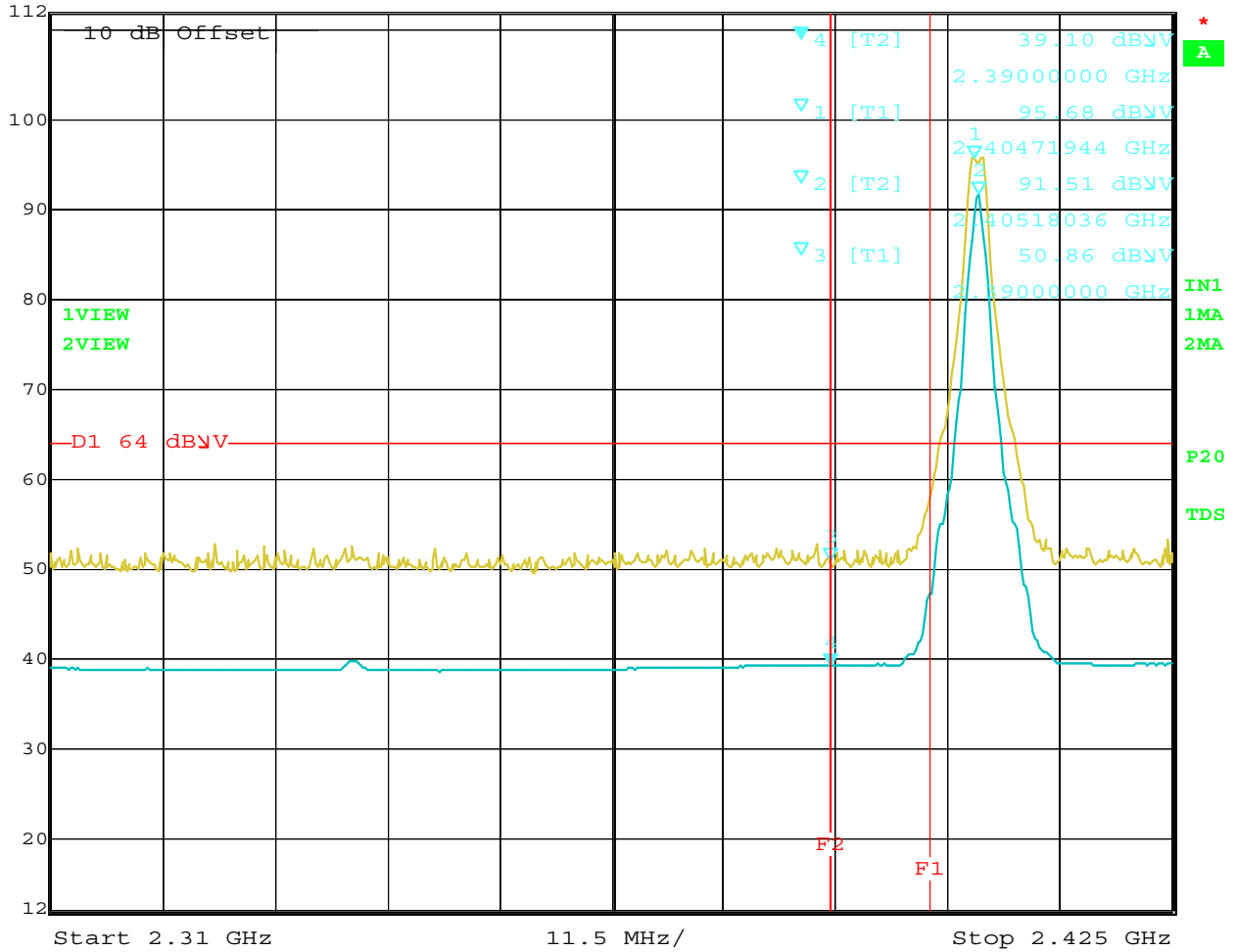
EDIT PEAK LIST (Final Results)			
Trace1: C22CONAV		Trace2: ---	
Trace3: ---		Trace4: ---	
TRACE	FREQUENCY	LEVEL dBV	DELTA LIMIT dB
1 Max Peak	194.0000 kHz	44.52	-9.33
1 Max Peak	14.3660 MHz	39.76	-10.23
1 Max Peak	170.0000 kHz	44.68	-10.28
1 Max Peak	14.4180 MHz	39.33	-10.66
1 Max Peak	19.0980 MHz	38.26	-11.73
1 Max Peak	1.1580 MHz	34.26	-11.74
1 Max Peak	14.3140 MHz	37.96	-12.03
1 Max Peak	14.4620 MHz	36.59	-13.40
1 Max Peak	13.4500 MHz	36.47	-13.52
1 Max Peak	1.0140 MHz	32.40	-13.60
1 Max Peak	582.0000 kHz	31.91	-14.08
1 Max Peak	8.9500 MHz	35.71	-14.28
1 Max Peak	10.7380 MHz	35.63	-14.36
1 Max Peak	9.0460 MHz	35.47	-14.52
1 Max Peak	12.4820 MHz	35.47	-14.52
1 Max Peak	14.7020 MHz	35.24	-14.75
1 Max Peak	13.3980 MHz	35.21	-14.78
1 Max Peak	14.7500 MHz	35.12	-14.87
1 Max Peak	15.4380 MHz	35.07	-14.92
1 Max Peak	15.3340 MHz	35.06	-14.93

Date: 17.JAN.2008 14:21:49





Marker 4 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl 39.10 dBV VBW 10 Hz
112 dBV 2.39000000 GHz SWT 29 s Unit dBV

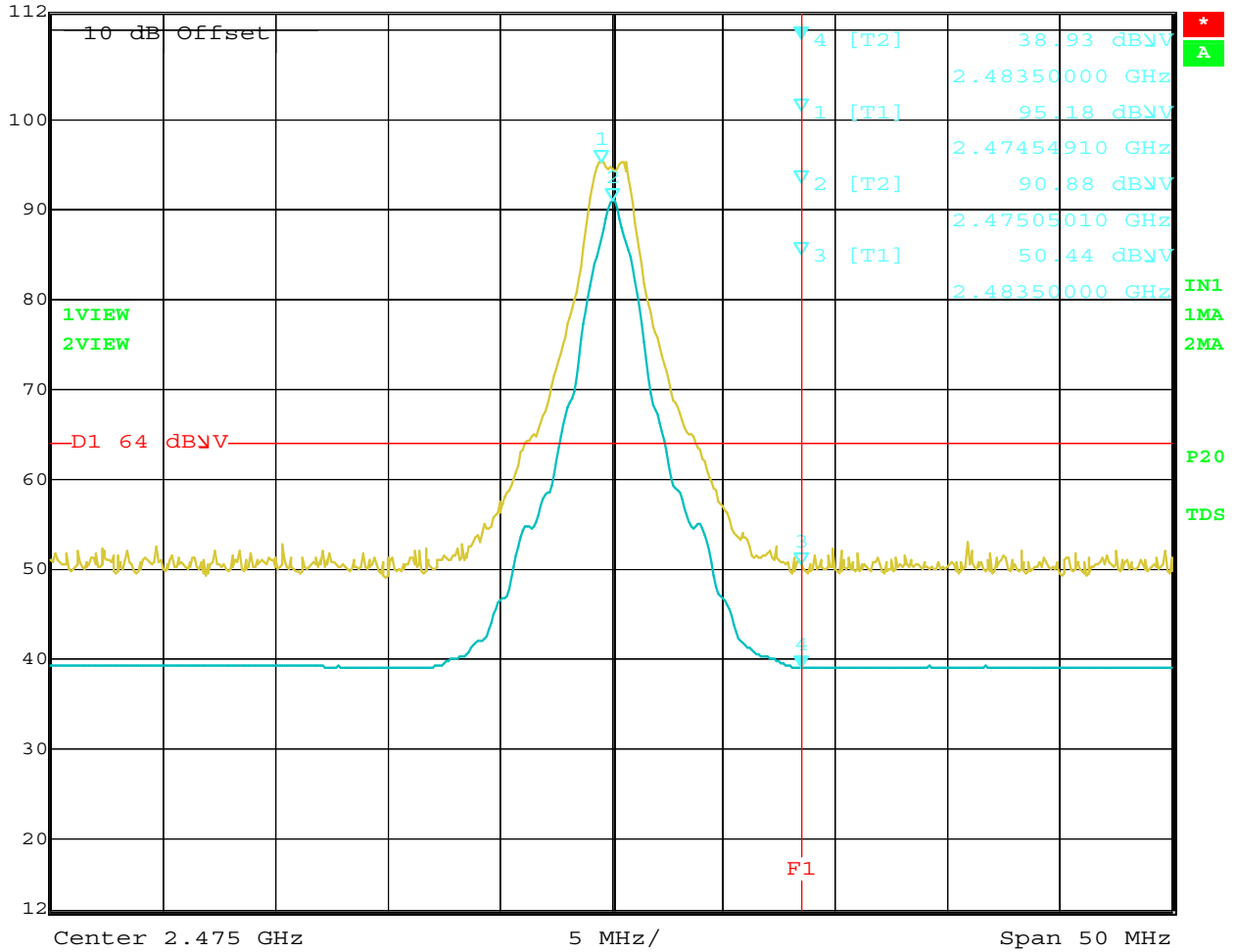


Date: 10.JAN.2008 16:00:27

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



Marker 4 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl 38.93 dBV VBW 10 Hz
112 dBV 2.48350000 GHz SWT 12.5 s Unit dBV

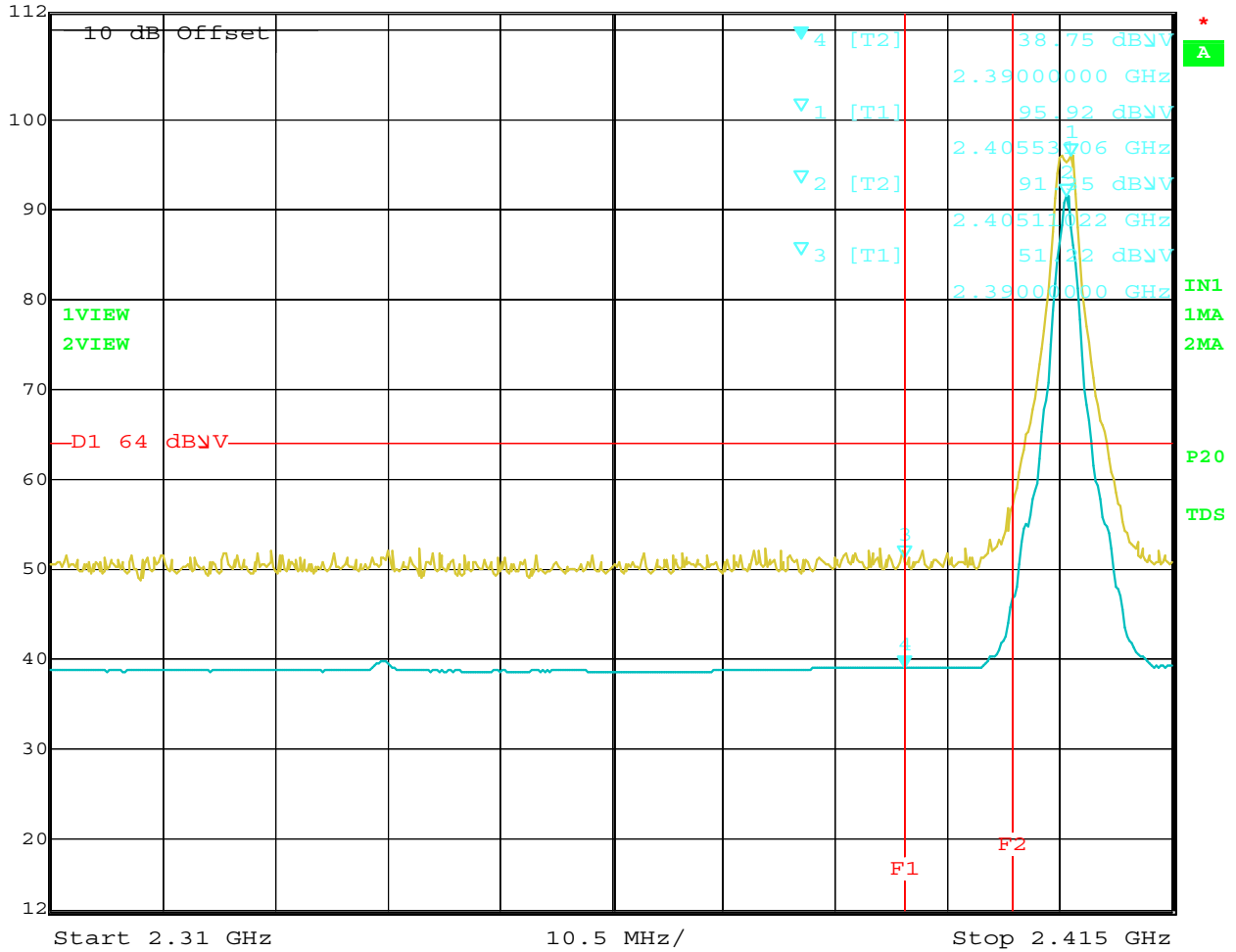


Date: 10.JAN.2008 16:09:53

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



Marker 4 [T2] RBW 1 MHz RF Att 30 dB
Ref Lvl 38.75 dBV VBW 10 Hz
112 dBV 2.39000000 GHz SWT 27 s Unit dBV

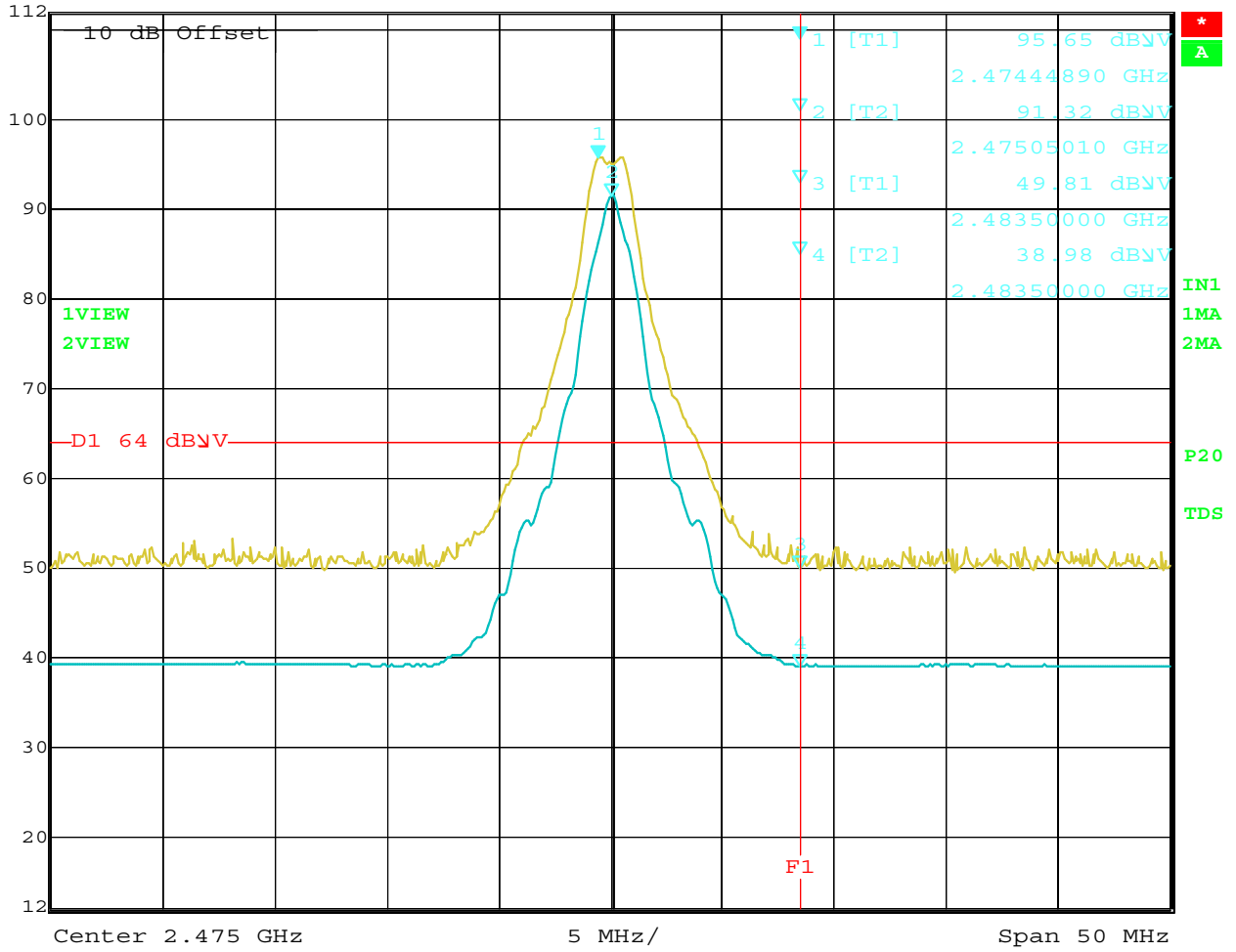


Date: 16.JAN.2008 16:05:44

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



Marker 1 [T1] RBW 1 MHz RF Att 30 dB
Ref Lvl 95.65 dBμV VBW 10 Hz
112 dBμV 2.47444890 GHz SWT 12.5 s Unit dBμV



Date: 16.JAN.2008 16:07:56

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