dreamGEAR LLC

PSII Lava Glow

Model Number: DGPN-551

Prepared for : dreamGEAR LLC
20001 S Western Avenue, Torrance, C.A. USA

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
Nantou, Shenzhen, Guangdong, China

Tel: (0755) 26639496

Report Number : ACS-F06046
Date of Test : Feb.14~16,2006
Date of Report : Feb.24,2006

TABLE OF CONTENTS

Description Page

TEST REPORT DECLARATION

Applicant	:	dreamGEAR LLC
Manufacturer	:	E-CORE Technology Co., Ltd
EUT Description	:	PSII Lava Glow
		(A) MODEL NO. : DGPN-551
		(B) SERIAL NO. : N/A
		(C) POWER SUPPLY : DC 3V

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Sep.2005

The device described above is tested by Audix Technology (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits for radiated and conducted emissions.
The test results are contained in this test report and Audix Technology (Shenzhen) Co., Ltd. is assumed full responsibility for the accuracy and completeness of tests. Also, this report shows that EUT is technically compliant with FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shenzhen) Co., Ltd.
This report must not be used by the applicant to claim product endorsement by NVLAP or any agency of the U.S. Government.

Date of Test : Feb.14~16,2006

Prepared by :

Annie Wu / Assistant

Reviewer :

Ken Lu / Deputy Manager

Approved & Authorized Signer :

AUDIX® 信華科技(深圳)有限公司
Audix Technology (Shenzhen) Co., Ltd.
EMC 部門報告專用章
Stamp only for EMC Dept. Report
Signature: 2006.03.01

Smart Tsai / Vice General Manager

Name of the Representative of the Responsible Party :

Signature :

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description **:** PSII Lava Glow

Model Number **:** DGPN-551

Applicant **:** dreamGEAR LLC
20001 S Western Avenue, Torrance, C.A. USA

Manufacturer **:** E-CORE Technology Co., Ltd
3rd Building, Weidonglong Industry, Heping East Road, LongHua, Shenzhen, China

AV Cable **:** Shielded, Detachable, 1.8m

Date of Test **:** Feb.14~16,2006

1.2. Tested Supporting System Details

1.2.1. Receiver

Manufacture : E-CORE
M/N : DGPN-551A

1.2.2. TV

Manufacture : TCL
M/N : 1419A

1.2.3. PS/2

Manufacture : SONY
M/N : SCPH-39004
S/N : FC3187704

1.3. Test Facility

Site Description

3m Anechoic Chamber	:	Certificated by FCC, USA Registration Number: 90454 Aug. 15, 2003
3m & 10m Anechoic Chamber	:	Certificated by FCC, USA Registration Number: 794232 Mar. 15, 2004
EMC Lab.	:	Certificated by DATech, German Registration Number: DAT-P-091/99-01 Feb. 02, 2004 Certificated by NVLAP, USA NVLAP Code: 200372-0 Mar. 31, 2004 Certificated by Nemko, Norway Aut. No.: ELA135 April. 22, 2004 Certificated by Industry Canada Registration Number: IC 5183 Jul. 28, 2004
Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd.
Site Location	:	No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China

1.4. Measurement Uncertainty

No.	Item	Uncertainty	Remark
1.	Uncertainty for Conducted Emission Test	1.22dB	
2.	Uncertainty for Radiated Emission Test	3.14dB	3m Chamber
3.	Uncertainty for Radiated Emission Test	3.18dB	10m Chamber
4.	Uncertainty for Power Clamp Test	1.38dB	

2. POWER LINE CONDUCTED EMISSION TEST

According to Paragraph (f) of FCC Part 15 section 15.249, Tests to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

3. RADIATED EMISSION TEST

3.1. Test Equipment

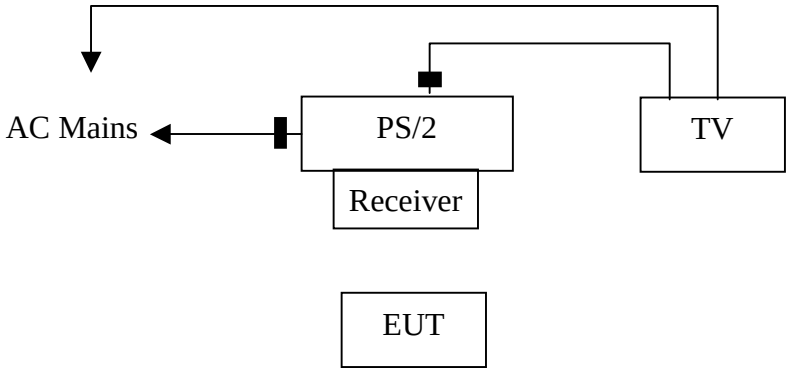
The following test equipments are used during the radiated emission Test：

3.1.1. For Anechoic Chamber

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Spectrum	HP	85422E	3625A00181	May 16, 05	1 Year
2.	Test Receiver	Rohde & Schwarz	ESVS20	830350/005	May 16, 05	1 Year
3.	Amplifier	HP	8447D	2944A07794	Sep.14, 05	1/2 Year
4.	Bilog Antenna	Schaffner	CBL6111C	2598	Jan. 11, 06	1 Year
5.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.1	Jan. 28, 06	1/2 Year
6.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.2	Jan. 28, 06	1/2 Year
7.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.3	Jan. 28, 06	1/2 Year
8.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.4	Jan. 28, 06	1/2 Year
9.	Coaxial Switch	Anritsu	MP59B	M73989	Jan. 28, 06	1/2 Year

3.2. Block Diagram of Test Setup

3.2.1. Block Diagram of connection between EUT and simulators

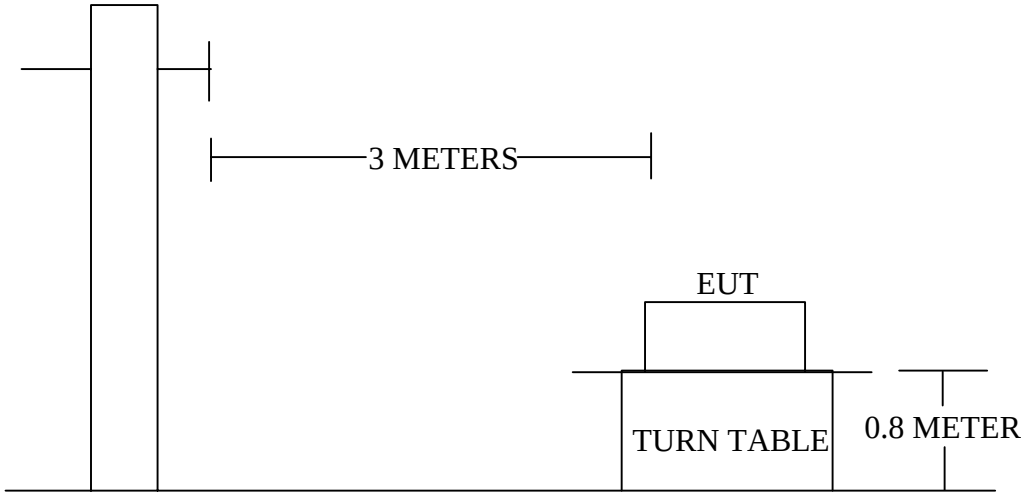


(EUT: PSII Lava Glow)

3.2.2. Anechoic Chamber Setup Diagram

ANTENNA TOWER

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



GROUND PLANE

3.3. Radiated Emission Limit 30~1000MHz Standard: FCC 15.249

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Local Oscillator:	3	94.0 dB(μV)/m	
Above 1000	3	Other: 74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Remark： (1) Emission level dBμV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

3.4. EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

3.4.1. PSII Lava Glow (EUT)

Model Number	:	DGPN-551
Serial Number	:	N/A
Manufacturer	:	E-CORE Technology Co., Ltd

3.5. Operating Condition of EUT

3.5.1. Setup the EUT as shown in Section 3.2..

3.5.2. Let the EUT work in test modes (TX(CH 2.41GHz/CH 2.44GHz/CH 2.47GHz)) and test it.

3.6. Test Procedure

The EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2003 on radiated emission Test.

The bandwidth of the EMI test receiver (R&S ESVS20) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the VBW is set at 300kHz and RBW is set at 120kHz for measurement below 1GHz.

The frequency range from 30MHz to 1000MHz and above 1000MHz are checked.

The test modes (TX(CH 2.41GHz/CH 2.44GHz/CH 2.47GHz)) is tested in Anechoic Chamber and all the scanning waveforms are attached in Appendix II.

3.7. Radiated Emission Test Results

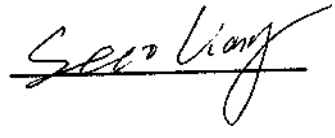
PASS.

The frequency range from 30MHz to 1000MHz and above 1000MHz is investigated. Please see the following pages.

Date of Test :	Feb.14,2006	Temperature :	23.8℃
EUT :	PSII Lava Glow	Humidity :	56%
Model No. :	DGPN-551	Test Mode :	TX
Test Engineer:	Mario	Memo :	CH 2.41GHz

Frequency	Antenna Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits
MHz	dB/m	dB	dBμV	dBμV/m	dB	dBμV/m
298.690	13.28	3.88	1.66	18.82	-27.18	46.00
415.090	16.59	4.81	1.74	23.14	-22.86	46.00
492.690	17.33	5.38	1.36	24.07	-21.93	46.00
568.350	19.33	5.71	1.59	26.62	-19.38	46.00
698.330	20.38	6.24	2.52	29.13	-16.87	46.00
849.650	**22.00**	**6.99**	**3.34**	**32.33**	**-13.67**	**46.00**

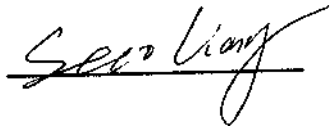
Remark: 1. All readings are Quasi-Peak values.
2. Emission Level = Antenna Factor + Cable Loss + Meter Reading
3. The worst emission was detected at 849.650MHz with corrected signal level of 32.33dBμV/m (Limit is 46.00dBμV/m) when the antenna was at horizontal polarization and at 1.5m high and the turn table was at 50°.
4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Reviewer : 

Date of Test :	Feb.14,2006	Temperature :	23.8℃
EUT :	PSII Lava Glow	Humidity :	56%
Model No. :	DGPN-551	Test Mode :	TX
Test Engineer:	Mario	Memo :	CH 2.41GHz

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Over Limits dB	Limits dBμV/m
302.570	12.91	3.97	1.91	18.78	-27.22	46.00
418.970	16.28	4.81	2.18	23.27	-22.73	46.00
579.990	19.27	5.81	2.95	28.03	-17.97	46.00
712.880	21.08	6.50	2.39	29.97	-16.03	46.00
793.390	21.26	6.96	2.87	31.08	-14.92	46.00
923.370	**23.47**	**7.47**	**2.50**	**33.44**	**-12.56**	**46.00**

Remark: 1. All readings are Quasi-Peak values.
2. Emission Level = Antenna Factor + Cable Loss + Meter Reading
3. The worst emission was detected at 923.370MHz with corrected signal level of 33.44dBμV/m (Limit is 46.00dBμV/m) when the antenna was at vertical polarization and at 1.8m high and the turn table was at 330 ° .
4. 0 ° was the table front facing the antenna. Degree is calculated from 0 ° clockwise facing the antenna.

Reviewer : 

Date of Test :	Feb.14,2006	Temperature :	23.8℃
EUT :	PSII Lava Glow	Humidity :	56%
Model No. :	DGPN-551	Test Mode :	TX
Test Engineer:	Mario	Memo :	CH 2.44GHz

Frequency	Antenna Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits
MHz	dB/m	dB	dBμV	dBμV/m	dB	dBμV/m
298.690	13.28	3.88	1.66	18.82	-27.18	46.00
415.090	16.59	4.81	1.74	23.14	-22.86	46.00
492.690	17.33	5.38	1.36	24.07	-21.93	46.00
568.350	19.33	5.71	1.59	26.62	-19.38	46.00
698.330	20.38	6.24	2.52	29.13	-16.87	46.00
849.650	**22.00**	**6.99**	**3.34**	**32.33**	**-13.67**	**46.00**

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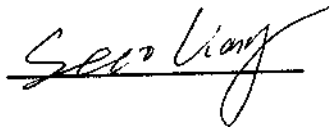
Reviewer : 

Date of Test :	Feb.14,2006	Temperature :	23.8℃
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Model No. :	DGPN-551	Test Mode :	TX
Test Engineer:	Mario	Memo :	CH 2.44GHz

Frequency	Antenna Factor	Cable Loss	Meter Reading Vertical	Emission Level Vertical	Over Limits	Limits
MHz	dB/m	dB	dBμV	dBμV/m	dB	dBμV/m
302.570	12.91	3.97	1.91	18.78	-27.22	46.00
418.970	16.28	4.81	2.18	23.27	-22.73	46.00
579.990	19.27	5.81	2.95	28.03	-17.97	46.00
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793.390	21.26	6.96	2.87	31.08	-14.92	46.00
923.370	**23.47**	**7.47**	**2.50**	**33.44**	**-12.56**	**46.00**

Remark: 1. All readings are Quasi-Peak values.
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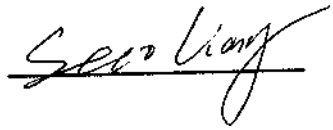
4. 0 ° was the table front facing the antenna. Degree is calculated from 0 ° clockwise facing the antenna.

Reviewer : 

Date of Test :	Feb.14,2006	Temperature :	23.8℃
EUT :	PSII Lava Glow	Humidity :	56%
Model No. :	DGPN-551	Test Mode :	TX
Test Engineer:	Mario	Memo :	CH 2.47GHz

Frequency	Antenna Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits
MHz	dB/m	dB	dBμV	dBμV/m	dB	dBμV/m
298.690	13.28	3.88	1.66	18.82	-27.18	46.00
415.090	16.59	4.81	1.74	23.14	-22.86	46.00
492.690	17.33	5.38	1.36	24.07	-21.93	46.00
568.350	19.33	5.71	1.59	26.62	-19.38	46.00
698.330	20.38	6.24	2.52	29.13	-16.87	46.00
849.650	**22.00**	**6.99**	**3.34**	**32.33**	**-13.67**	**46.00**

Remark: 1. All readings are Quasi-Peak values.
2. Emission Level = Antenna Factor + Cable Loss + Meter Reading
3. The worst emission was detected at 849.650MHz with corrected signal level of 32.33dBμV/m (Limit is 46.00dBμV/m) when the antenna was at horizontal polarization and at 1.5m high and the turn table was at 50°.
4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Reviewer : 

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Test Engineer:	Mario	Memo :	CH 2.47GHz

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Over Limits dB	Limits dBμV/m
302.570	12.91	3.97	1.91	18.78	-27.22	46.00
418.970	16.28	4.81	2.18	23.27	-22.73	46.00
579.990	19.27	5.81	2.95	28.03	-17.97	46.00
712.880	21.08	6.50	2.39	29.97	-16.03	46.00
793.390	21.26	6.96	2.87	31.08	-14.92	46.00
923.370	**23.47**	**7.47**	**2.50**	**33.44**	**-12.56**	**46.00**

Remark: 1. All readings are Quasi-Peak values.
2. Emission Level = Antenna Factor + Cable Loss + Meter Reading
3. The worst emission was detected at 923.370MHz with corrected signal level of 33.44dBμV/m (Limit is 46.00dBμV/m) when the antenna was at vertical polarization and at 1.8m high and the turn table was at 330 ° .
4. 0 ° was the table front facing the antenna. Degree is calculated from 0 ° clockwise facing the antenna.

Reviewer : 

Date of Test :	Feb.15,2006	Temperature :	22℃
EUT :	PSII Lava Glow	Humidity :	50%
Model No. :	DGPN-551	Test Mode :	TX
Test Engineer:	Jack	Memo :	CH 2.41GHz

Frequency	Probe Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits	Remark
MHz	DB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2410.000	0.12	6.22	92.04	92.16	-21.84	114.00	Peak
4820.000	7.59	8.78	48.69	56.28	-17.72	74.00	Peak

Remark: 1. All readings are Average and Peak values.
2. Emission Level = Probe Factor + Meter Reading +Cable Loss-Preamp Factor
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Frequency	Probe Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits	Remark
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2410.000	0.05	6.20	89.35	89.40	-4.60	94.00	Average
4820.000	7.59	8.78	40.01	47.60	-6.40	54.00	Average

Remark: 1. All readings are Average and Peak values.
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Reviewer : Leo Liang

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Model No. :	DGPN-551	Test Mode :	TX
Test Engineer:	Jack	Memo :	CH 2.41GHz

Frequency	Probe Factor	Cable Loss	Meter Reading Vertical	Emission Level Vertical	Over Limits	Limits	Remark
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2410.000	0.12	6.22	82.17	82.29	-31.17	114.00	Peak
4820.000	9.12	9.59	52.41	61.53	-12.47	74.00	Peak

Remark: 1. All readings are Average and Peak values.
2. Emission Level = Antenna Factor + Meter Reading +Cable Loss-Preamp Factor
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Frequency	Probe Factor	Cable Loss	Meter Reading Vertical	Emission Level Vertical	Over Limits	Limits	Remark
MHz	dB/m	dB	DBμV	dBμV/m	dBμV/m	dBμV/m	
2410.000	0.05	6.20	78.28	78.33	-15.67	94.00	Average
4820.000	9.08	9.55	39.11	48.19	-5.81	54.00	Average

Remark: 1. All readings are Average and Peak values.
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Test Engineer:	Jack	Memo :	CH 2.44GHz

Frequency	Probe Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits	Remark
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2440.000	0.12	6.22	91.46	91.58	-22.42	114.00	Peak
4880.000	9.52	9.75	48.59	58.11	-15.89	74.00	Peak

Remark: 1. All readings are Average and Peak values.
2. Emission Level = Probe Factor + Meter Reading +Cable Loss-Preamp Factor
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Frequency	Probe Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits	Remark
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2440.000	0.19	6.25	86.08	86.27	-7.73	94.00	Average
4880.000	9.39	9.71	37.58	46.97	-7.03	54.00	Average

Remark: 1. All readings are Average and Peak values.
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Reviewer : Sean Liang

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Test Engineer:	Jack	Memo :	CH 2.44GHz

Frequency	Probe Factor	Cable Loss	Meter Reading Vertical	Emission Level Vertical	Over Limits	Limits	Remark
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2440.000	0.12	6.22	90.22	90.34	-23.66	114.00	Peak
4880.000	9.52	9.75	54.99	64.51	-9.49	74.00	Peak

Remark: 1. All readings are Average and Peak values.
2. Emission Level = Antenna Factor + Meter Reading +Cable Loss-Preamp Factor
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Frequency	Probe Factor	Cable Loss	Meter Reading Vertical	Emission Level Vertical	Over Limits	Limits	Remark
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2440.000	0.19	6.25	86.91	87.10	-6.90	94.00	Average
4880.000	9.39	9.71	40.11	49.50	-4.50	54.00	Average

Remark: 1. All readings are Average and Peak values.
2. Emission Level = Antenna Factor + Meter Reading +Cable Loss-Preamp Factor
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer : Sean Liang

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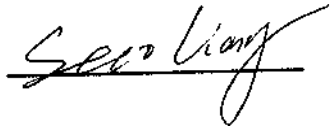
Model No. :	DGPN-551	Test Mode :	TX
Test Engineer:	Jack	Memo :	CH 2.47GHz

Frequency	Probe Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits	Remark
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2470.000	0.33	6.30	80.88	81.21	-32.79	114.00	Peak
4940.100	10.10	9.92	52.37	62.47	-11.53	74.00	Peak

Remark: 1. All readings are Average and Peak values.
2. Emission Level = Probe Factor + Meter Reading +Cable Loss-Preamp Factor
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Frequency	Probe Factor	Cable Loss	Meter Reading Horizontal	Emission Level Horizontal	Over Limits	Limits	Remark
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2470.000	0.29	6.30	79.31	79.60	-14.40	94.00	Average
4940.100	9.70	9.82	38.60	48.30	-5.70	54.00	Average

Remark: 1. All readings are Average and Peak values.
2. Emission Level = Probe Factor + Meter Reading +Cable Loss-Preamp Factor
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer : 

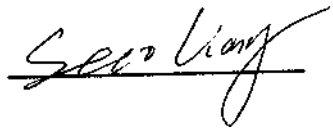
Date of Test :	Feb.15,2006	Temperature :	22℃
EUT :	PSII Lava Glow	Humidity :	50%
Model No. :	DGPN-551	Test Mode :	TX
Test Engineer:	Jack	Memo :	CH 2.47GHz

Frequency	Probe Factor	Cable Loss	Meter Reading Vertical	Emission Level Vertical	Over Limits	Limits	Remark
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2470.000	0.33	6.30	80.84	81.17	-32.83	114.00	Peak
4940.000	9.70	9.82	52.27	61.97	-12.03	74.00	Peak

Remark: 1. All readings are Average and Peak values.
2. Emission Level = Antenna Factor + Meter Reading +Cable Loss-Preamp Factor
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Frequency	Probe Factor	Cable Loss	Meter Reading Vertical	Emission Level Vertical	Over Limits	Limits	Remark
MHz	dB/m	dB	dBμV	dBμV/m	dBμV/m	dBμV/m	
2470.000	0.29	6.30	75.31	75.60	-18.40	94.00	Average
4940.000	9.70	9.82	40.10	49.80	-4.20	54.00	Average

Remark: 1. All readings are Average and Peak values.
2. Emission Level = Antenna Factor + Meter Reading +Cable Loss-Preamp Factor
3. The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for measurement above 1GHz.

Reviewer : 

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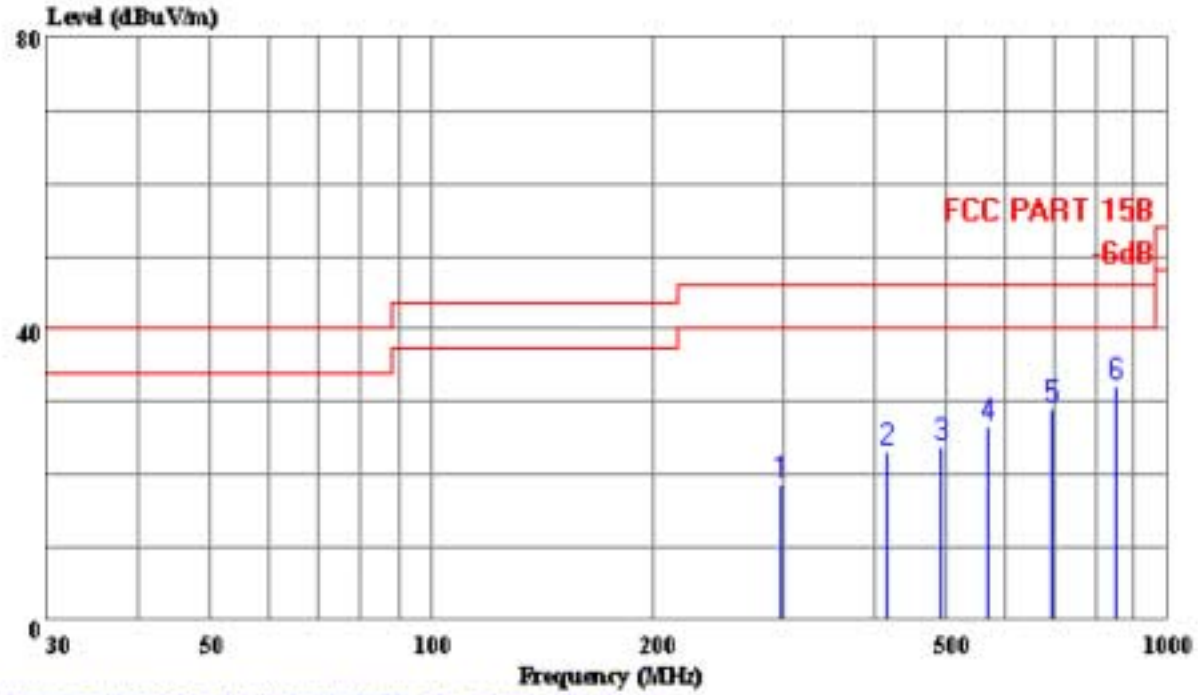
Data#: 24 File#: ACS6Q067.EMI Date: 2006-02-14 Time: 23:32:04



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace: Ref Trace:

Condition: FCC PART 15B 3m 2597FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.41GHz
: H:1.5m Deg:50'

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB
1	298.690	18.82	-27.18	46.00	1.66	3.88	13.28
2	415.090	23.14	-22.86	46.00	1.74	4.81	16.59
3	492.690	24.07	-21.93	46.00	1.36	5.38	17.33
4	568.350	26.62	-19.38	46.00	1.59	5.71	19.33
5	698.330	29.13	-16.87	46.00	2.52	6.24	20.38
6	849.650	32.33	-13.67	46.00	3.34	6.99	22.00

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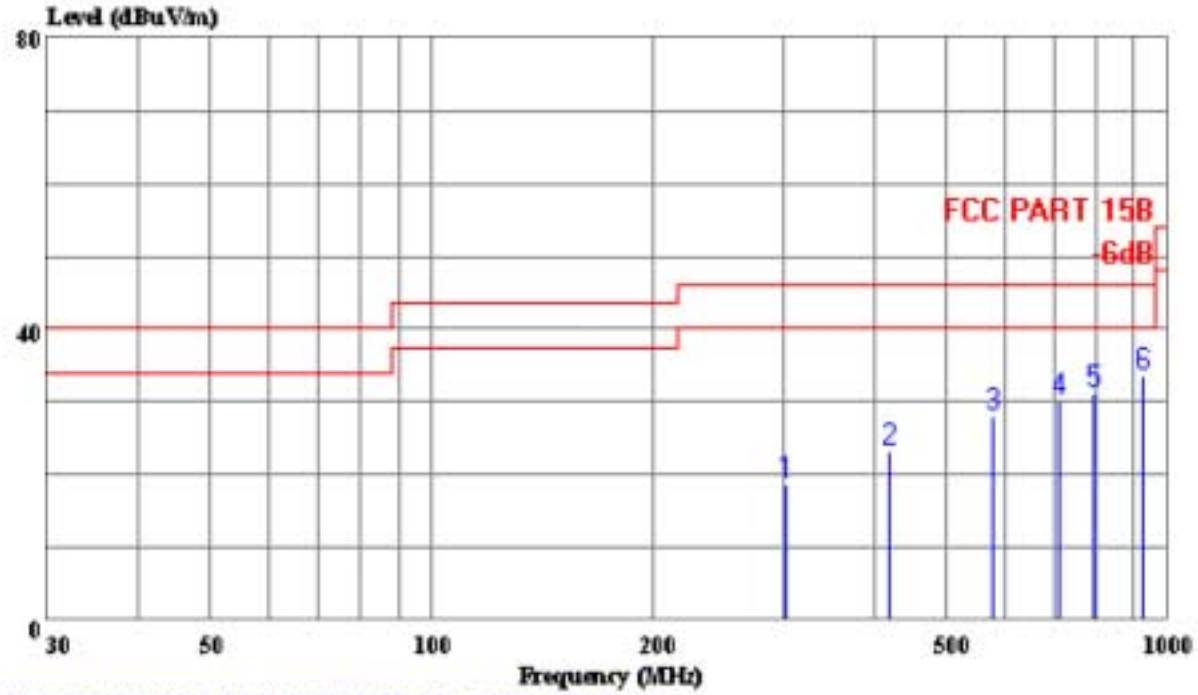
Data#: 23 File#: ACS6Q067.EMI Date: 2006-02-14 Time: 23:30:28



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace: Ref Trace:

Condition: FCC PART 15B 3m 2597FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.41GHz
: H:1.8m Deg:330'

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB
1	302.570	18.78	-27.22	46.00	1.91	3.97	12.91
2	418.970	23.27	-22.73	46.00	2.18	4.81	16.28
3	579.990	28.03	-17.97	46.00	2.95	5.81	19.27
4	712.880	29.97	-16.03	46.00	2.39	6.50	21.08
5	793.390	31.08	-14.92	46.00	2.87	6.96	21.26
6	923.370	33.44	-12.56	46.00	2.50	7.47	23.47

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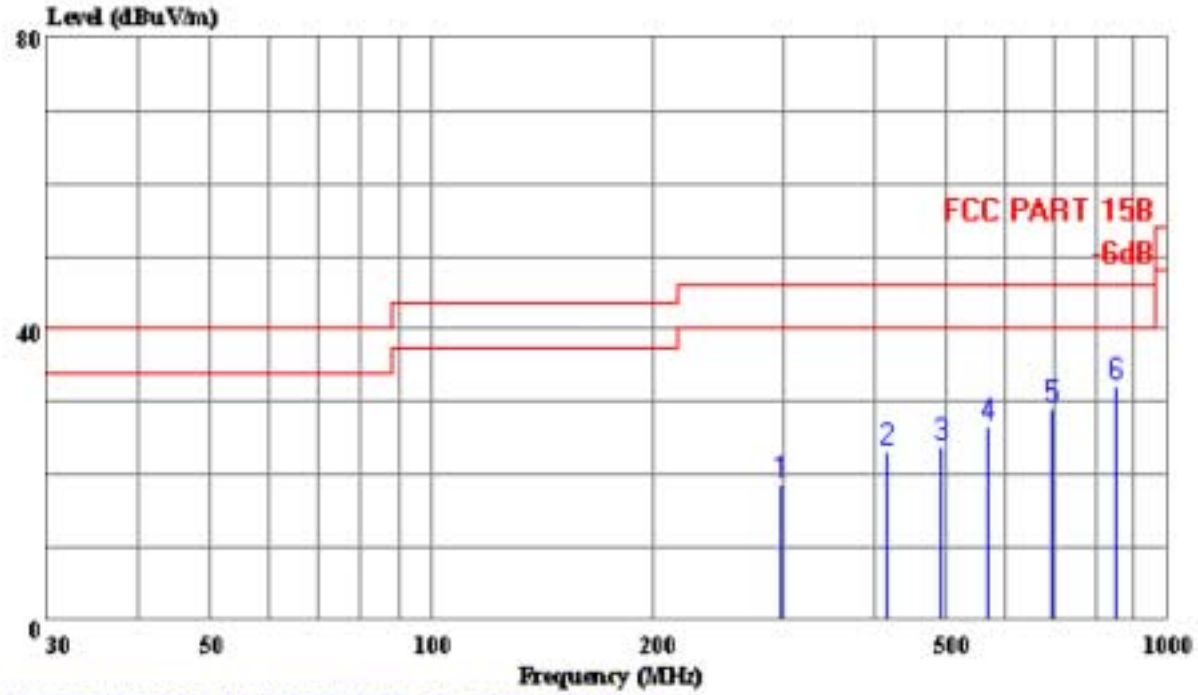
Data#: 12 File#: ACS6Q067.EMI Date: 2006-02-14 Time: 22:32:04



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace: Ref Trace:

Condition: FCC PART 15B 3m 2597FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.44GHz
: H:1.5m Deg:50'

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB
1	298.690	18.82	-27.18	46.00	1.66	3.88	13.28
2	415.090	23.14	-22.86	46.00	1.74	4.81	16.59
3	492.690	24.07	-21.93	46.00	1.36	5.38	17.33
4	568.350	26.62	-19.38	46.00	1.59	5.71	19.33
5	698.330	29.13	-16.87	46.00	2.52	6.24	20.38
6	849.650	32.33	-13.67	46.00	3.34	6.99	22.00

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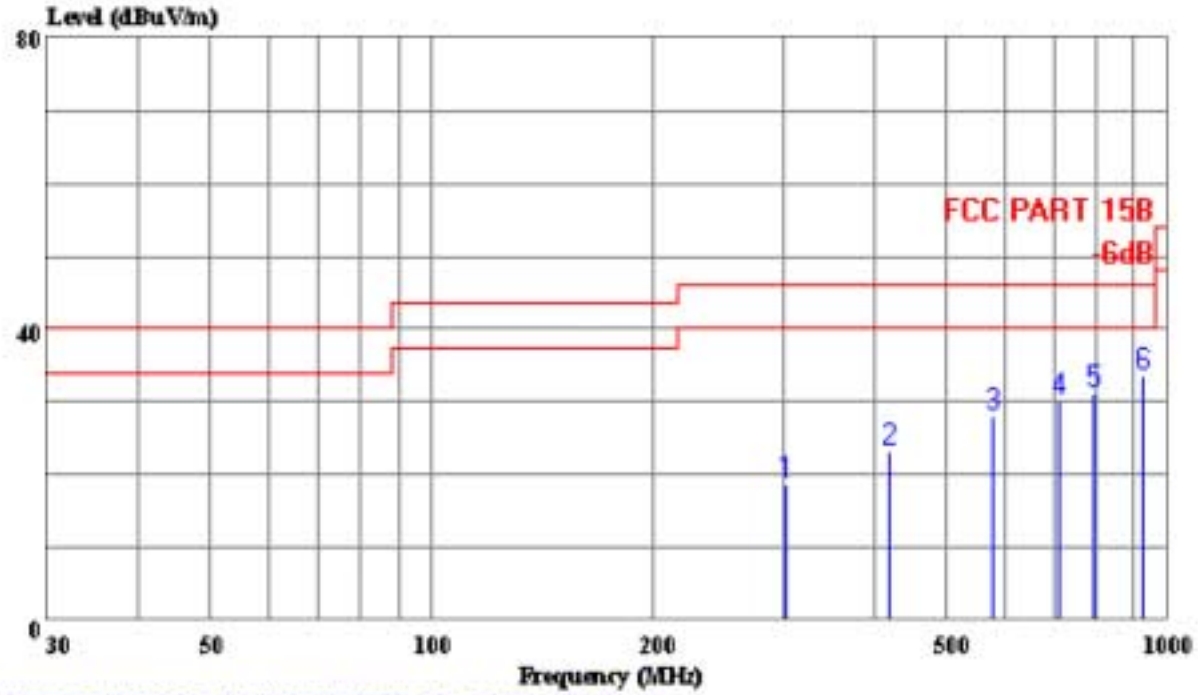
Data#: 11 File#: ACS6Q067.EMI Date: 2006-02-14 Time: 22:31:22



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace: Ref Trace:

Condition: FCC PART 15B 3m 2597FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.44GHz
: H:1.8m Deg:330'

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB
1	302.570	18.78	-27.22	46.00	1.91	3.97	12.91
2	418.970	23.27	-22.73	46.00	2.18	4.81	16.28
3	579.990	28.03	-17.97	46.00	2.95	5.81	19.27
4	712.880	29.97	-16.03	46.00	2.39	6.50	21.08
5	793.390	31.08	-14.92	46.00	2.87	6.96	21.26
6	923.370	33.44	-12.56	46.00	2.50	7.47	23.47

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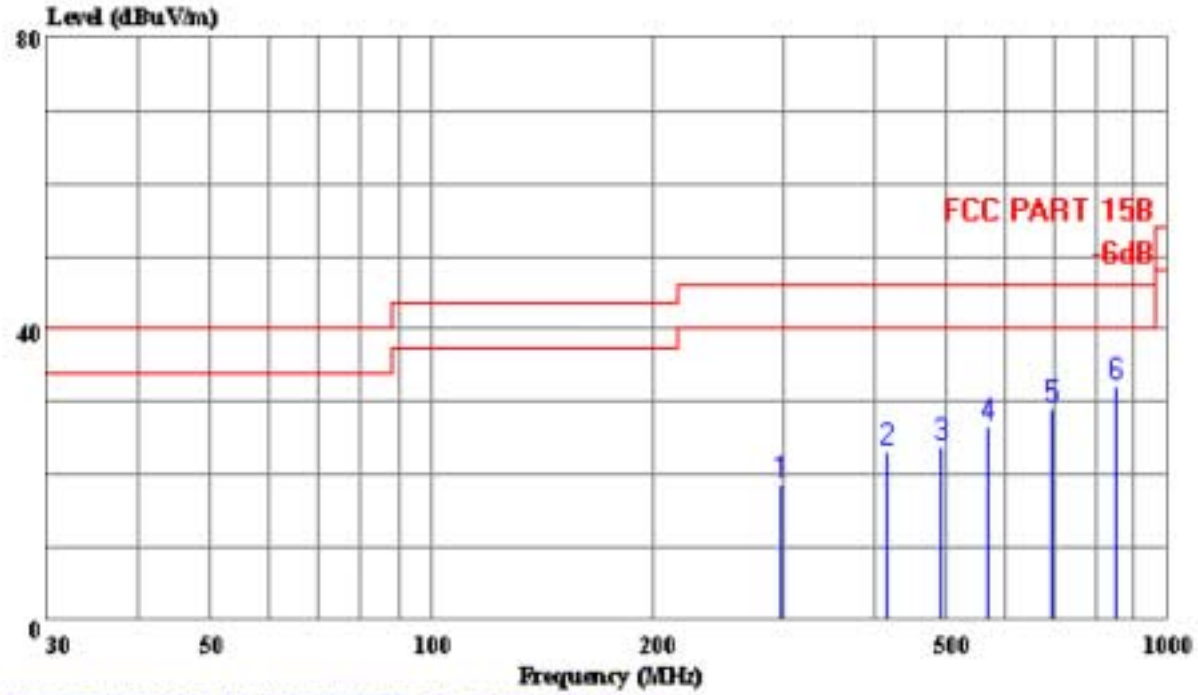
Data#: 36 File#: ACS6Q067.EMI Date: 2006-02-15 Time: 01:32:57



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace: Ref Trace:

Condition: FCC PART 15B 3m 2597FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.47GHz
: H:1.5m Deg:50'

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB
1	298.690	18.82	-27.18	46.00	1.66	3.88	13.28
2	415.090	23.14	-22.86	46.00	1.74	4.81	16.59
3	492.690	24.07	-21.93	46.00	1.36	5.38	17.33
4	568.350	26.62	-19.38	46.00	1.59	5.71	19.33
5	698.330	29.13	-16.87	46.00	2.52	6.24	20.38
6	849.650	32.33	-13.67	46.00	3.34	6.99	22.00

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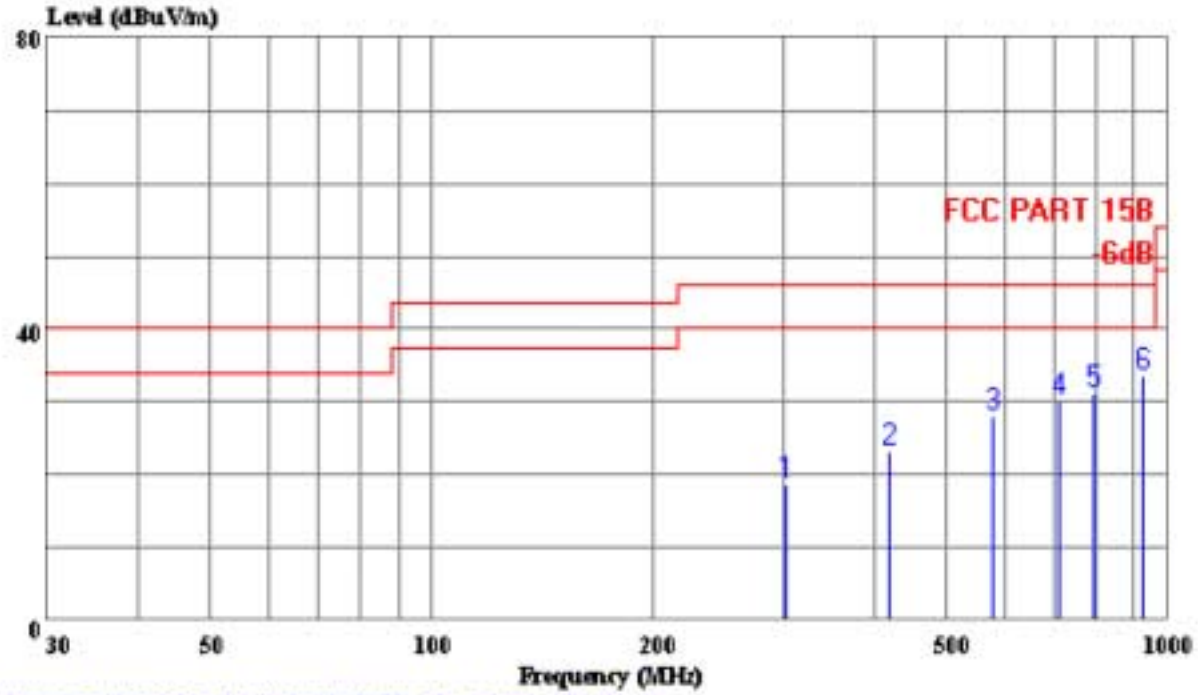

AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (3# Chamber)

Trace: Ref Trace:

Condition: FCC PART 15B 3m 2597FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.47GHz
: H:1.8m Deg:330'

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB
1	302.570	18.78	-27.22	46.00	1.91	3.97	12.91
2	418.970	23.27	-22.73	46.00	2.18	4.81	16.28
3	579.990	28.03	-17.97	46.00	2.95	5.81	19.27
4	712.880	29.97	-16.03	46.00	2.39	6.50	21.08
5	793.390	31.08	-14.92	46.00	2.87	6.96	21.26
6	923.370	33.44	-12.56	46.00	2.50	7.47	23.47

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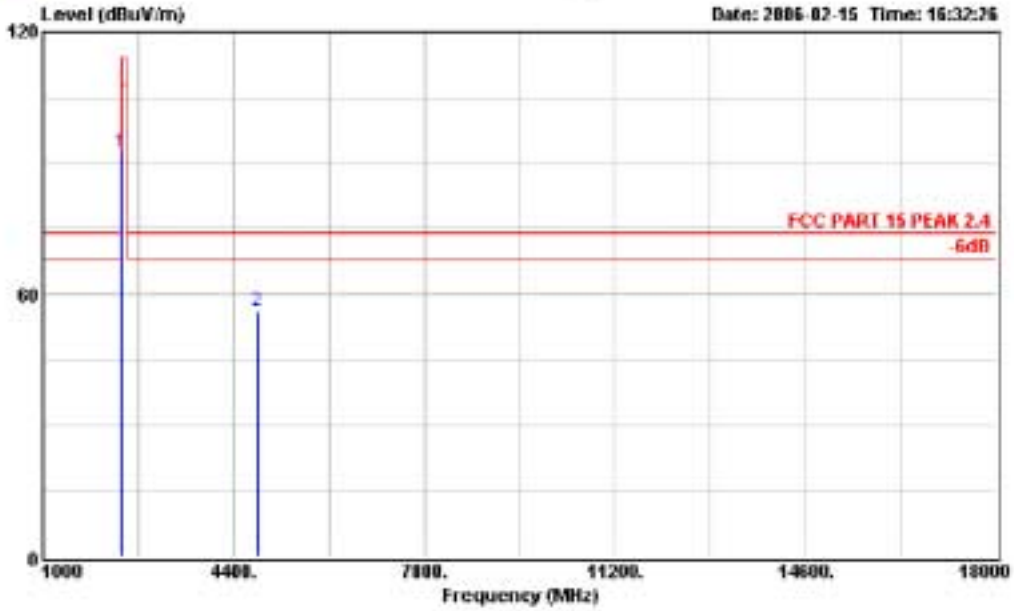

Site : site
Condition : FCC PART 15 PEAK 2.4 3m 3115 FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.41 GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2410.000	92.16	-21.84	114.00	92.04	6.22	0.12	Peak
2	4820.000	56.28	-17.72	74.00	48.69	8.78	7.59	Peak

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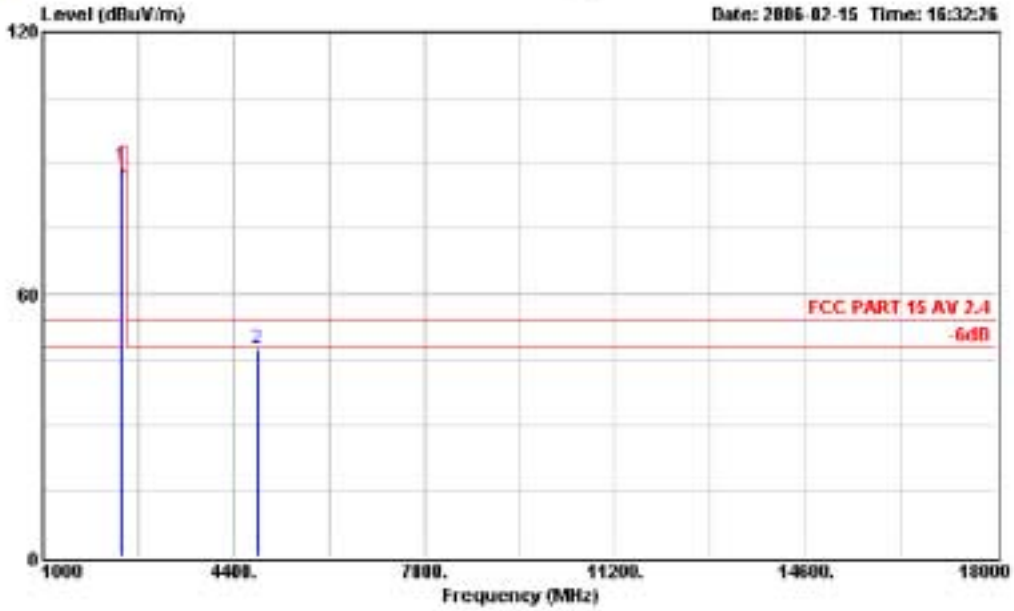

Site : site
Condition : FCC PART 15 AV 2.4 3m 3115 FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.41 GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1 !	2410.000	89.40	-4.60	94.00	89.35	6.20	0.05	Average
2	4820.000	47.60	-6.40	54.00	40.01	8.78	7.59	Average

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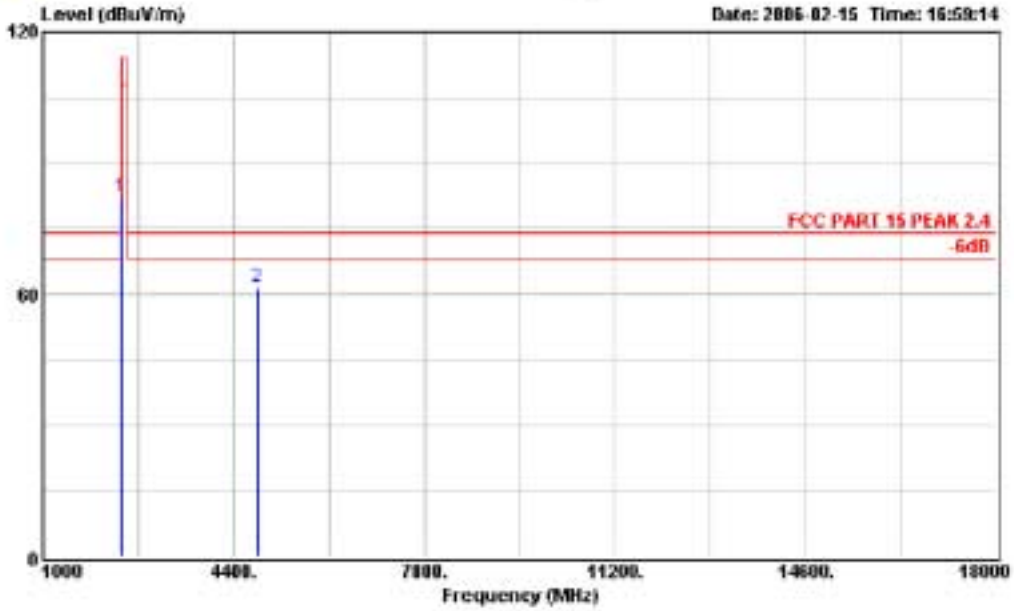
Data#: 39 File#: D:\EMI TEST DATA\E\E core2\ACS6Q067.EMI



Site : site
Condition : FCC PART 15 PEAK 2.4 3m 3115 FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.41 GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2410.000	82.29	-31.71	114.00	82.17	6.22	0.12	Peak
2	4820.000	61.53	-12.47	74.00	52.41	9.59	9.12	Peak

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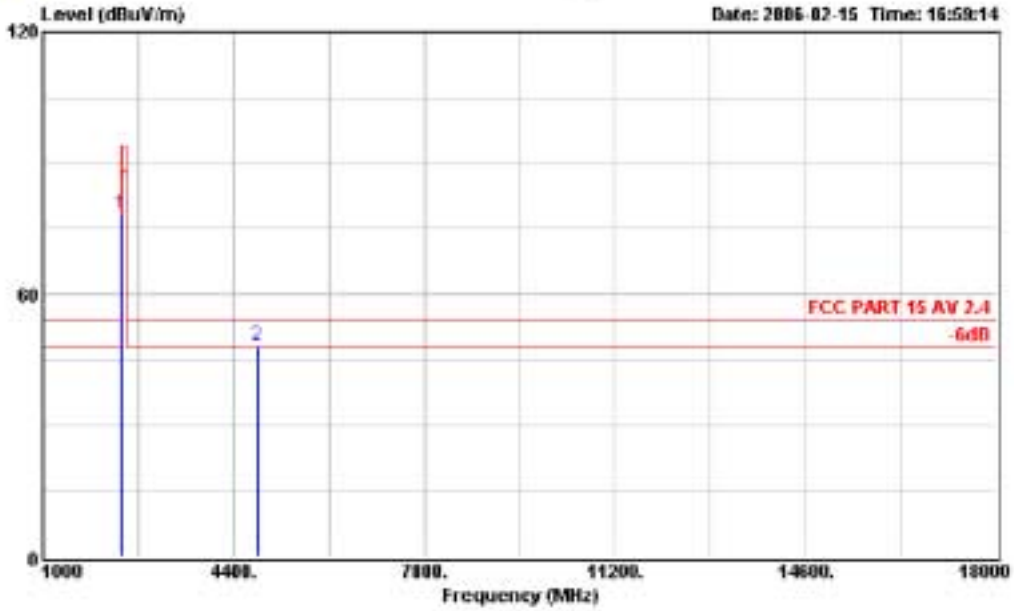

Site : site
Condition : FCC PART 15 AV 2.4 3m 3115 FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.41 GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2410.000	78.33	-15.67	94.00	78.28	6.20	0.05	Average
2 !	4820.000	48.19	-5.81	54.00	39.11	9.55	9.08	Average

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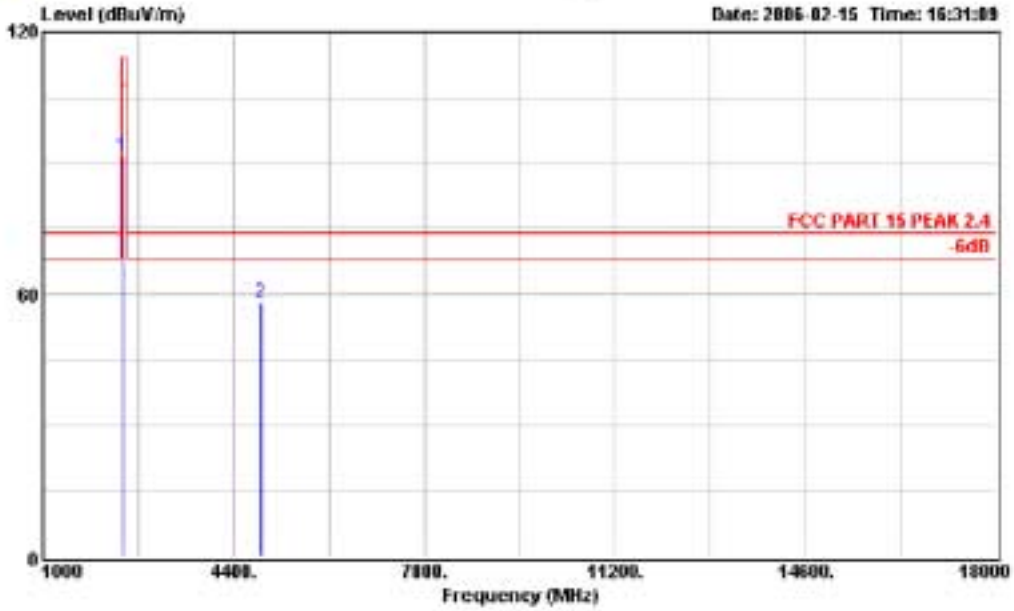

Site : site
Condition : FCC PART 15 PEAK 2.4 3m 3115 FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.44GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2440.000	91.58	-22.42	114.00	91.46	6.22	0.12	Peak
2	4880.000	58.11	-15.89	74.00	48.59	9.75	9.52	Peak

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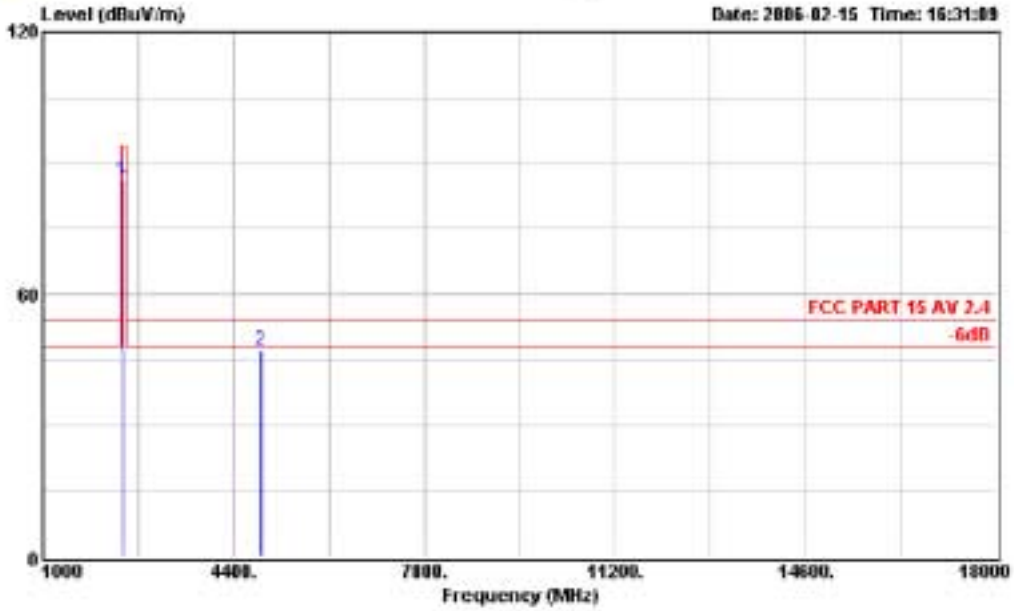

Site : site
Condition : FCC PART 15 AV 2.4 3m 3115 FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.44GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2440.000	86.27	-7.73	94.00	86.08	6.25	0.19	Average
2	4880.000	46.97	-7.03	54.00	37.58	9.71	9.39	Average

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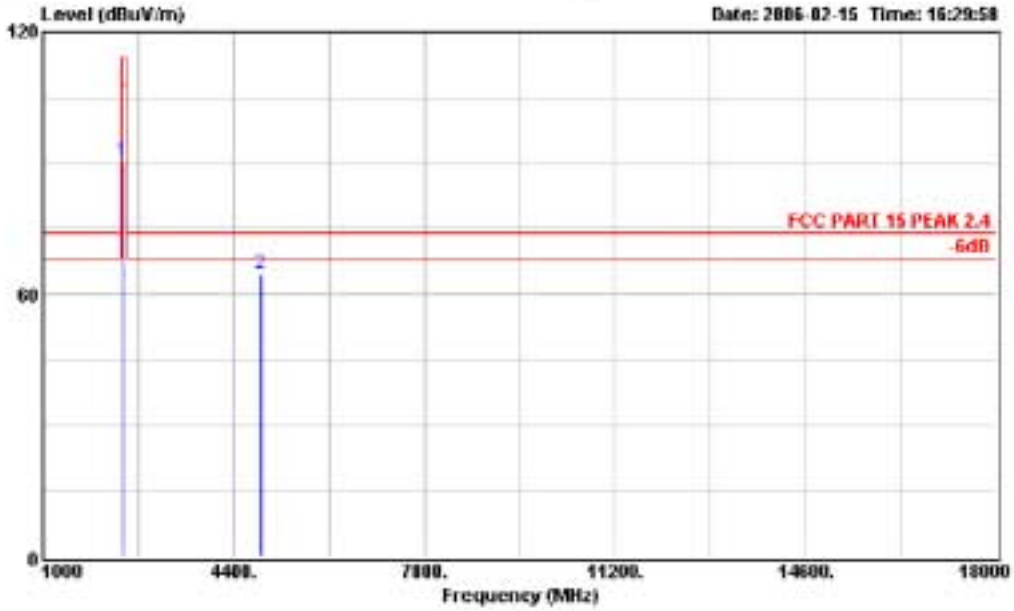

Site : site
Condition : FCC PART 15 PEAK 2.4 3m 3115 FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.44GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2440.000	98.34	-23.66	114.00	90.22	6.22	0.12	Peak
2	4880.000	64.51	-9.49	74.00	54.99	9.75	9.52	Peak

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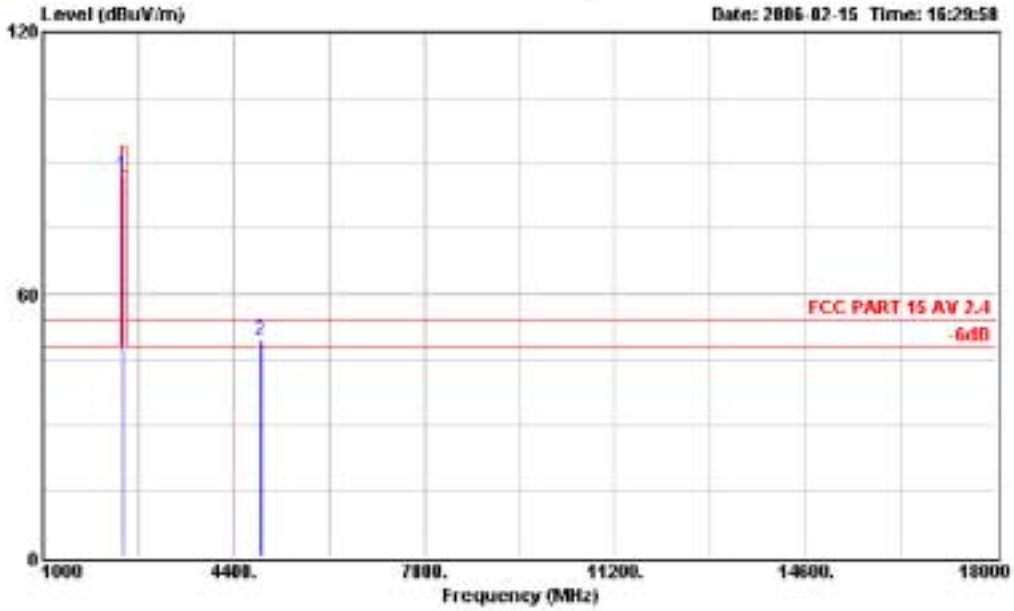

Site : site
Condition : FCC PART 15 AV 2.4 3m 3115 FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.44GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2440.000	87.10	-6.90	94.00	86.91	6.25	0.19	Average
2 !	4880.000	49.50	-4.50	54.00	40.11	9.71	9.39	Average

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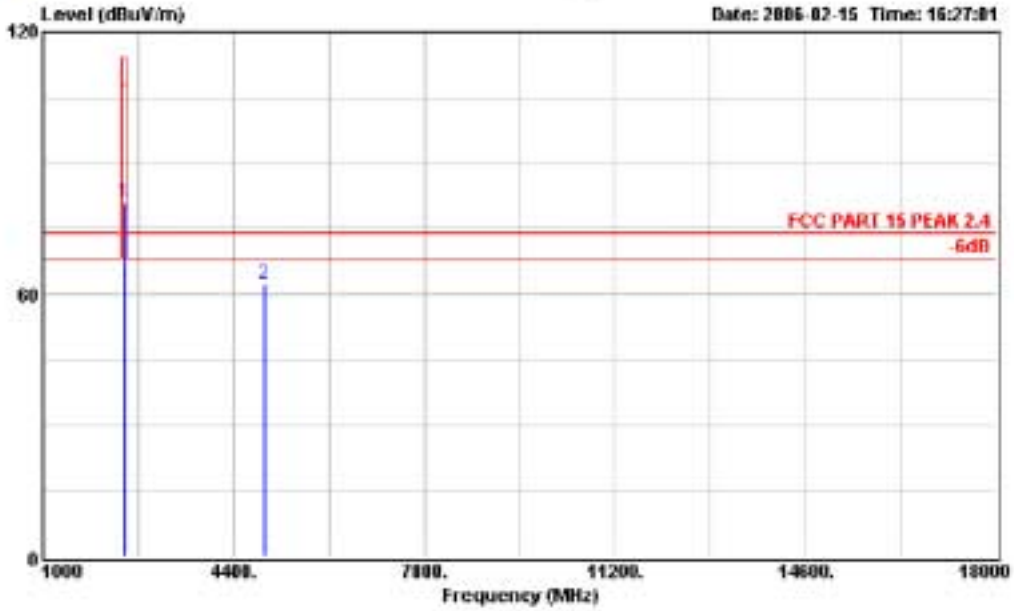

Site : site
Condition : FCC PART 15 PEAK 2.4 3m 3115 FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.47GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2470.800	81.21	-32.79	114.00	80.88	6.30	0.33	Peak
2	4940.100	62.47	-11.53	74.00	52.37	9.92	10.18	Peak

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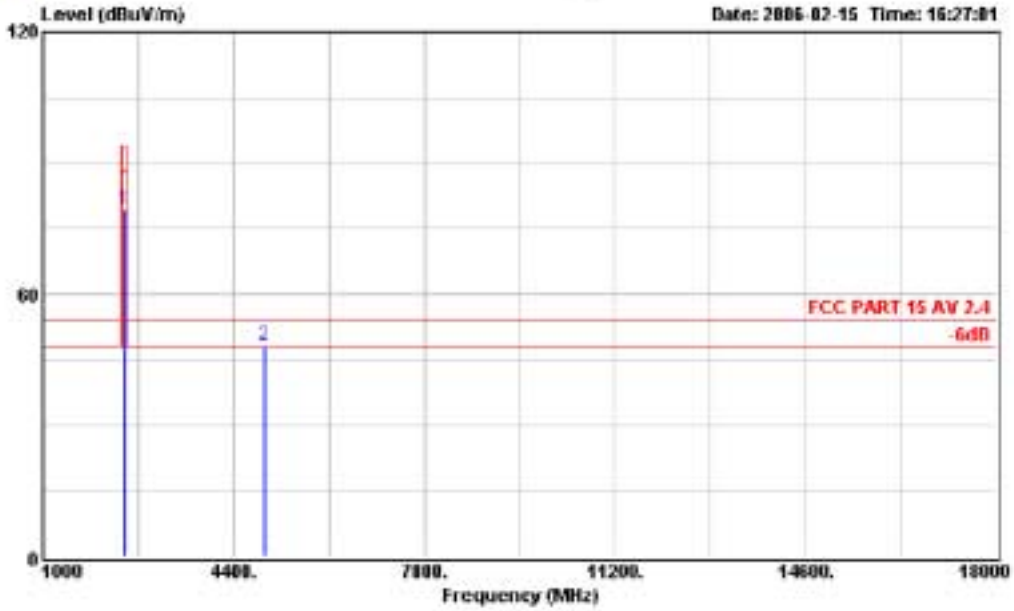
Data#: 30 File#: D:\EMI TEST DATA\E\E core2\ACS6Q067.EMI



Site : site
Condition : FCC PART 15 AV 2.4 3m 3115 FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.47GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2470.800	79.60	-14.40	94.00	79.31	6.30	0.29	Average
2 !	4940.100	48.30	-5.70	54.00	38.68	9.82	9.78	Average

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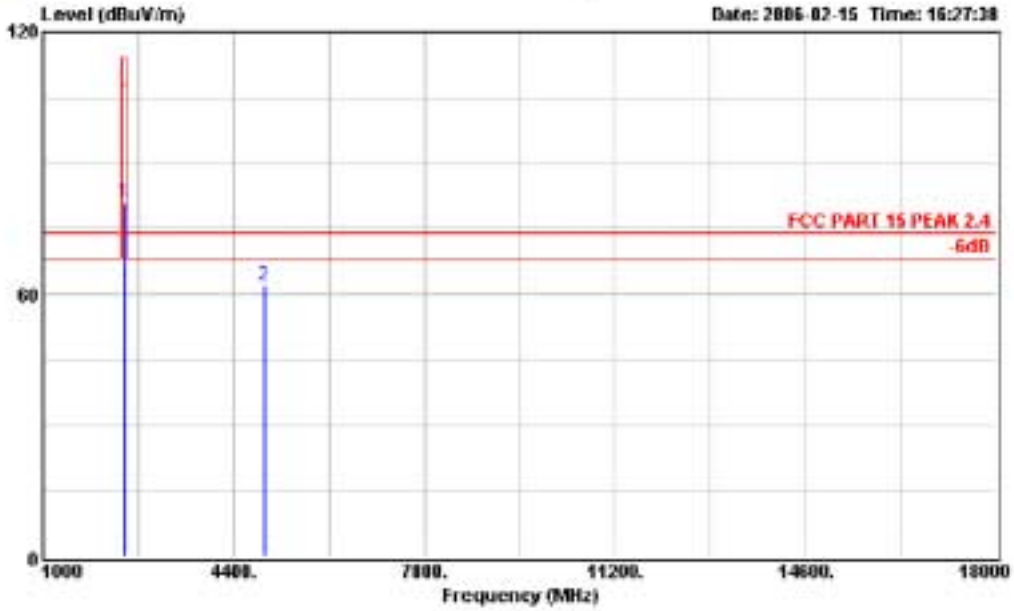

Site : site
Condition : FCC PART 15 PEAK 2.4 3m 3115 FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.47GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2470.000	81.17	-32.83	114.00	80.84	6.30	0.33	Peak
2	4940.000	61.97	-12.03	74.00	52.27	9.82	9.70	Peak

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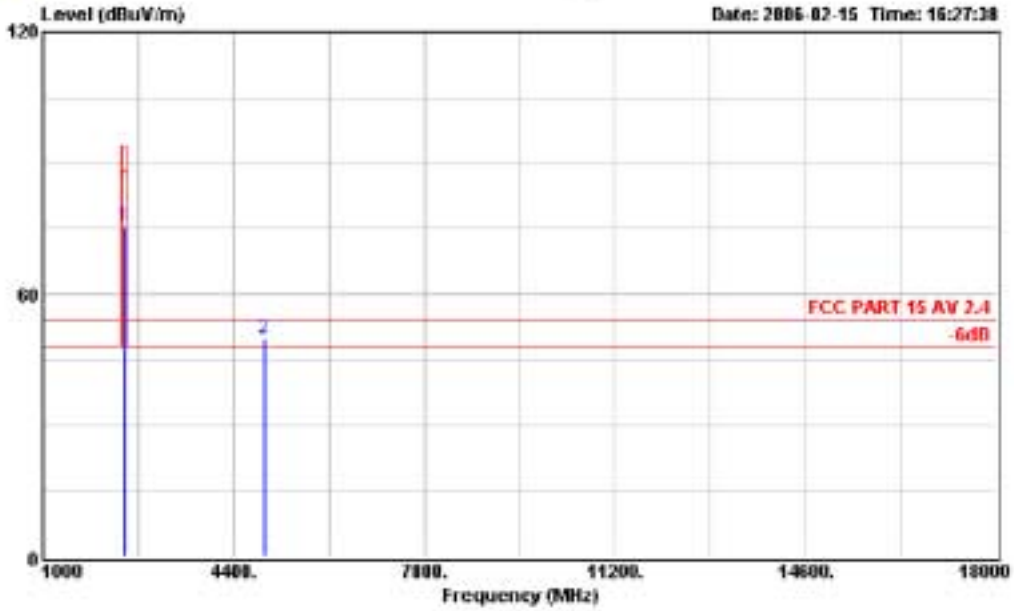


Site : site
Condition : FCC PART 15 AV 2.4 3m 3115 FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.47GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2470.000	75.60	-18.40	94.00	75.31	6.30	0.29	Average
2 !	4940.000	49.80	-4.20	54.00	40.10	9.82	9.70	Average

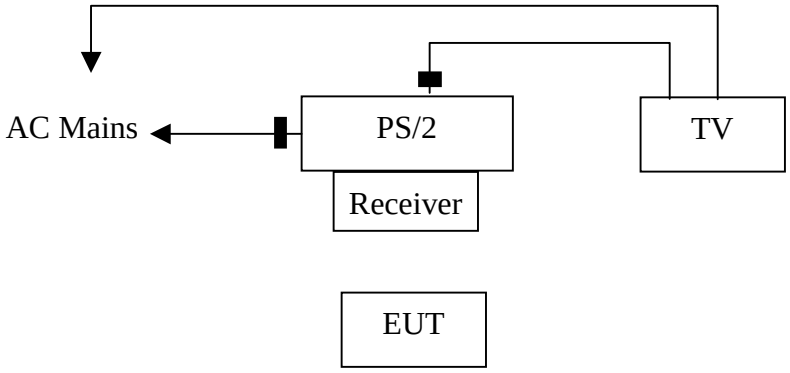
4. BAND EDGES MEASUREMENT

4.1. Test Equipment

The following test equipment were used during the Emission Bandwidth Test：

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4407B	MY41440292	May 23, 05	1 Year
2.	Amp	HP	8449B	3008A00863	May 23, 05	1 Year
3.	Antenna	EMCO	3115	9607-4877	Dec. 14, 05	1.5 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May 23, 05	1 Year

4.2. Block Diagram of Test Setup



(EUT: PSII Lava Glow)

4.3. Test Standard

The test completeness FCC 15C (249).

4.4. Bandwidth Limit

200kHz wide centered on the operation frequency.

4.5. Test Procedure

PASS.

The testing data was attached in the next pages.

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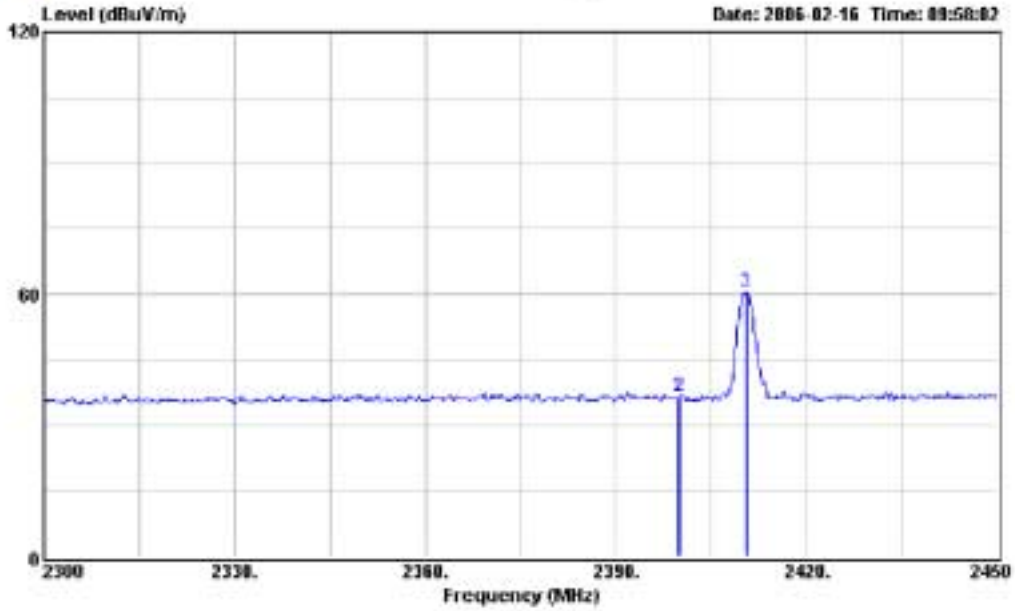

Site : site
Condition : 3m 3115 FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22° Humi:50%
Memo : CH 2.41 GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2399.900	36.71	------	------	36.70	6.20	0.01	Peak
2	2400.800	36.71	------	------	36.70	6.20	0.01	Peak
3	2410.550	60.37	------	------	60.32	6.20	0.05	Peak

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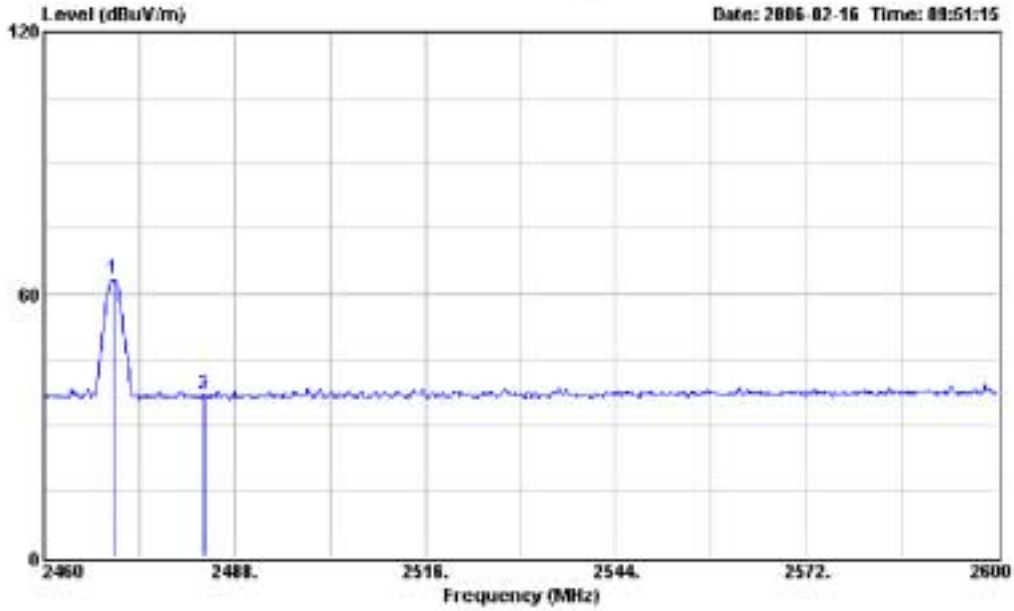
Data#: 13 File#: D:\EMI TEST DATA\E\Ecore2\ACS6Q067.EMI



Site : site
Condition : 3m 3115 FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.47GHz

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2478.368	43.33	------	------	43.04	6.30	0.29	Peak
2	2483.500	37.16	------	------	36.83	6.30	0.33	Peak
3	2483.600	37.16	------	------	36.83	6.30	0.33	Peak

5. DEVIATION TO TEST SPECIFICATIONS

[NONE]

APPENDIX I

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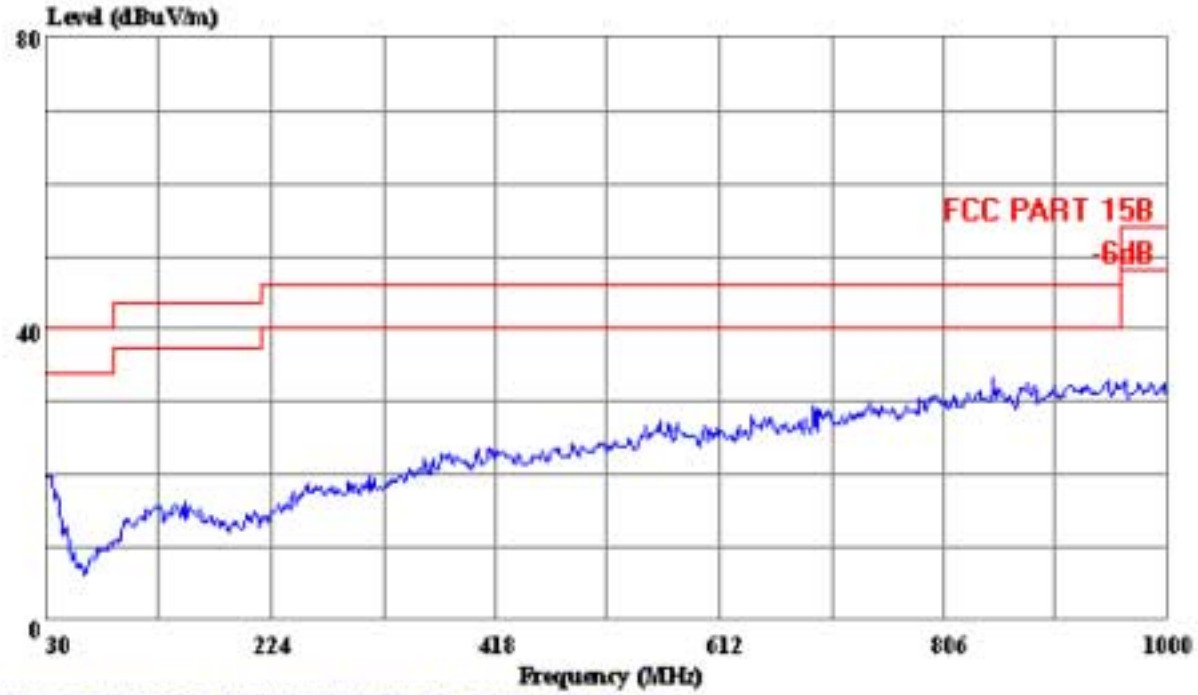

Trace: Ref Trace:

Condition: FCC PART 15B 3m 2597FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.41GHz

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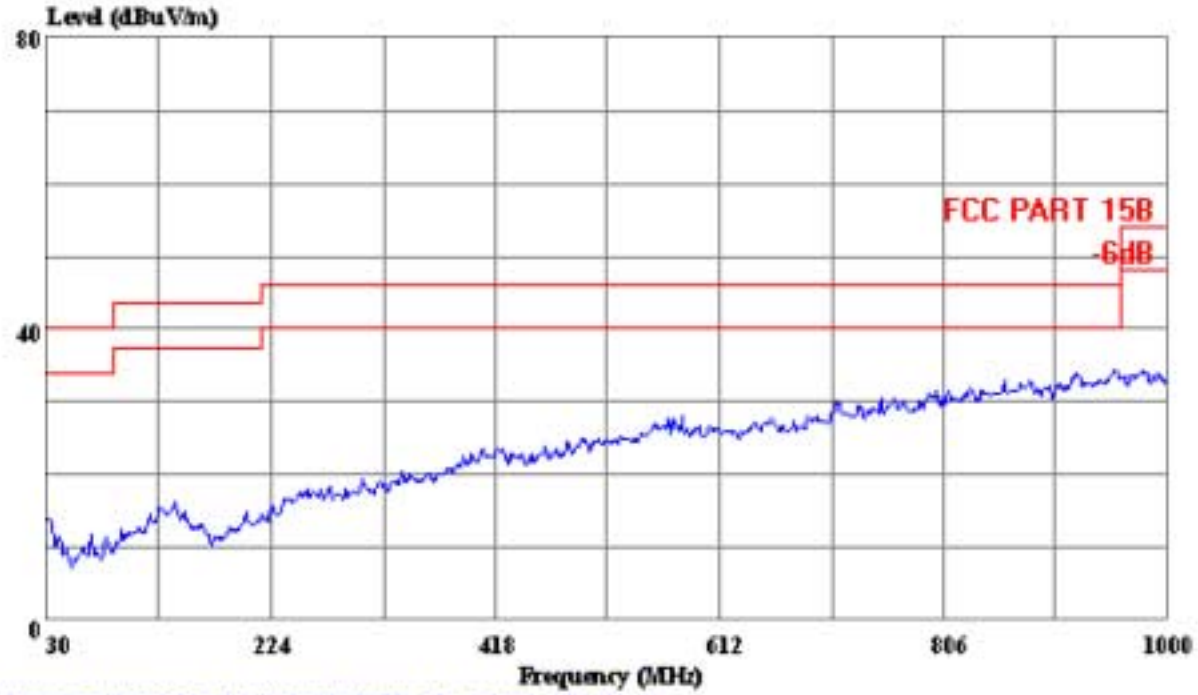
Data#: 22 File#: ACS6Q067.EMI Date: 2006-02-14 Time: 23:27:49



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EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.41GHz

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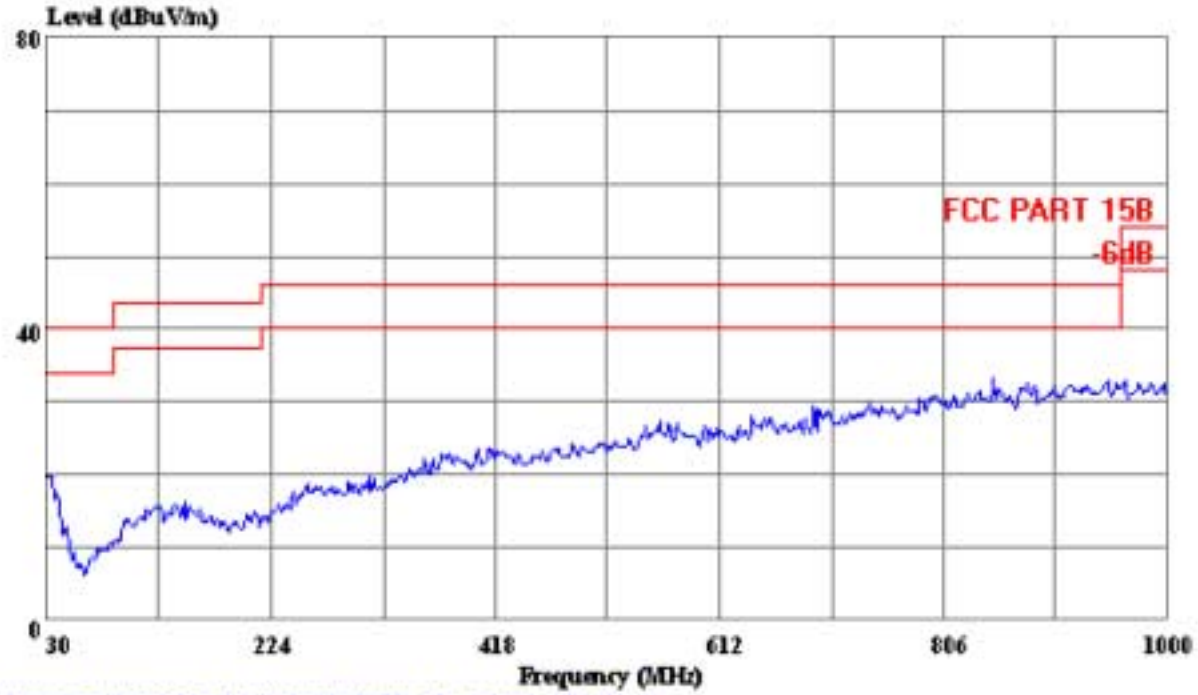

Trace: Ref Trace:

Condition: FCC PART 15B 3m 2597FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.44GHz

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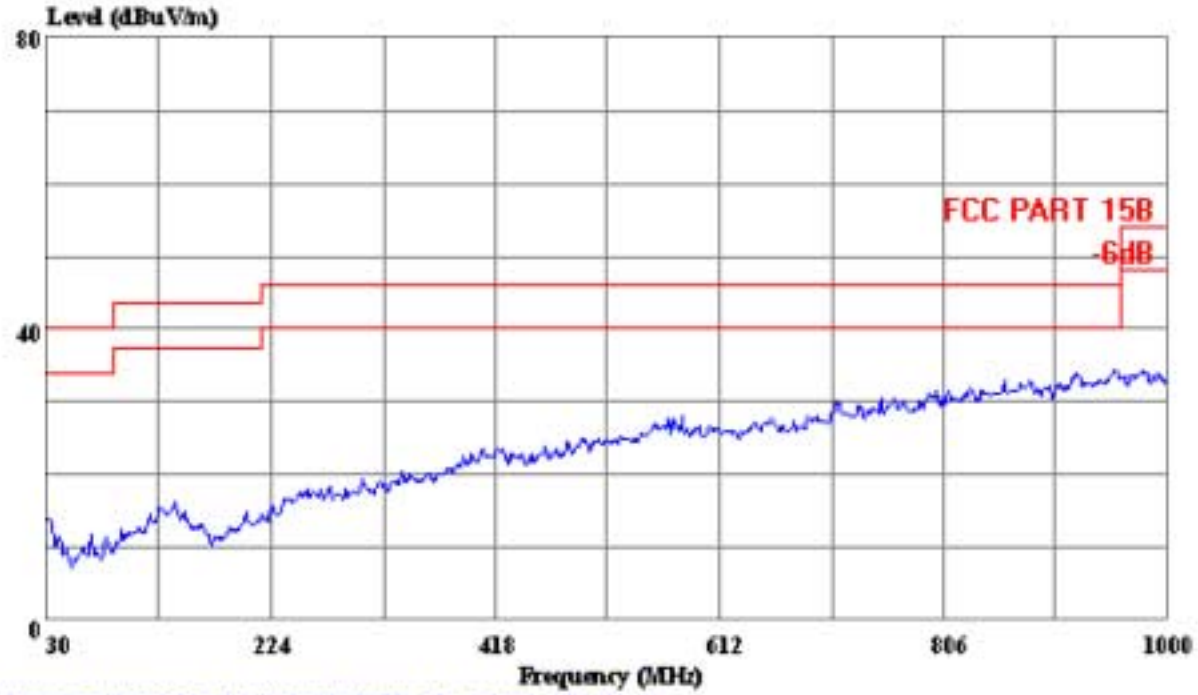

Trace: Ref Trace:

Condition: FCC PART 15B 3m 2597FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.44GHz

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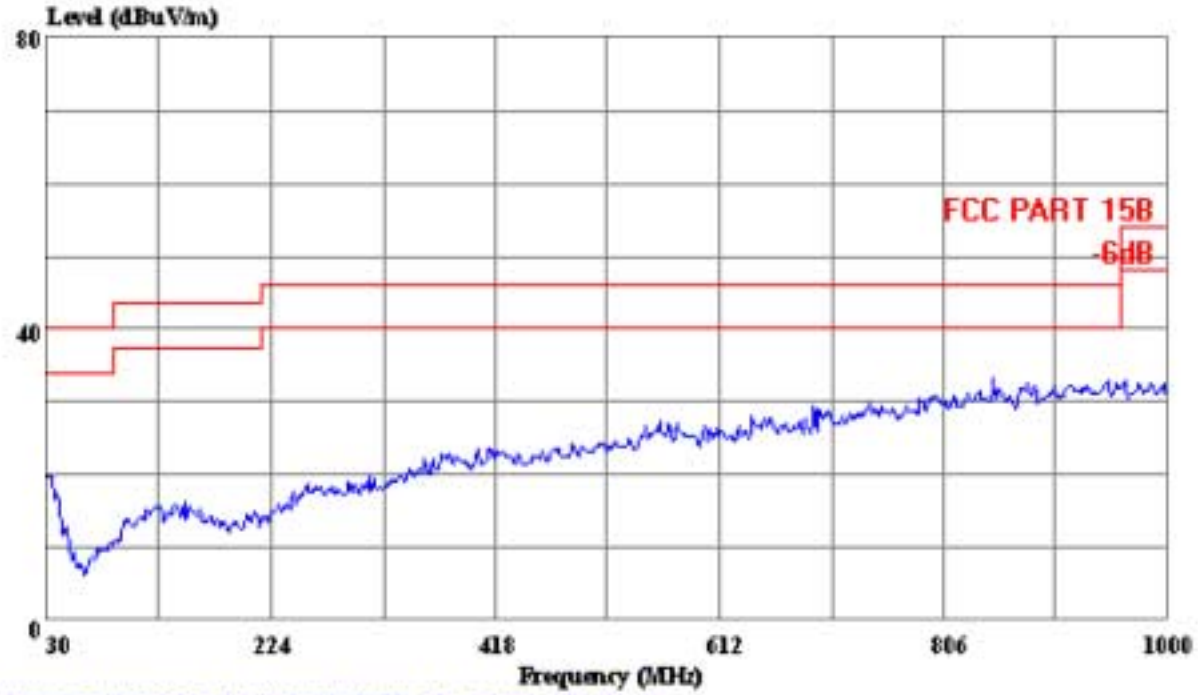
Data#: 33 File#: ACS6Q067.EMI Date: 2006-02-15 Time: 01:23:27



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Condition: FCC PART 15B 3m 2597FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.47GHz

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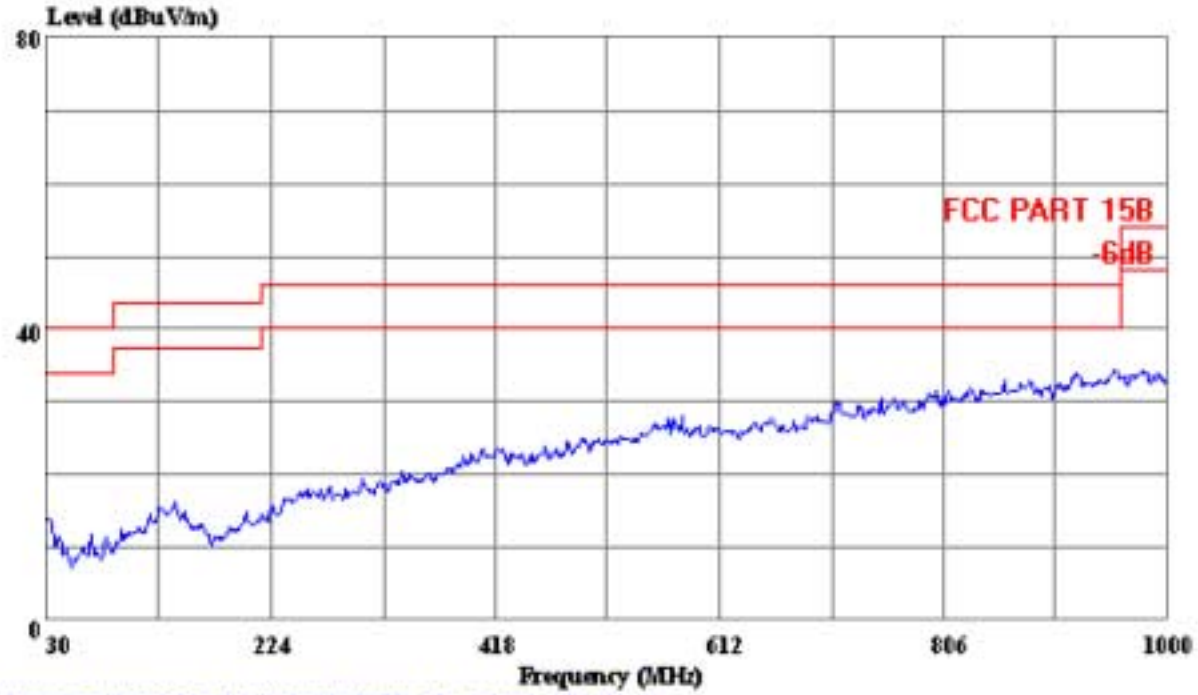
Fax: 0755-26632877

Data#: 34 File#: ACS6Q067.EMI Date: 2006-02-15 Time: 01:25:51



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Condition: FCC PART 15B 3m 2597FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer: MARIO
OP Condition : TX
Comment : Temp:23' Humi:54%
Memo : CH 2.47GHz

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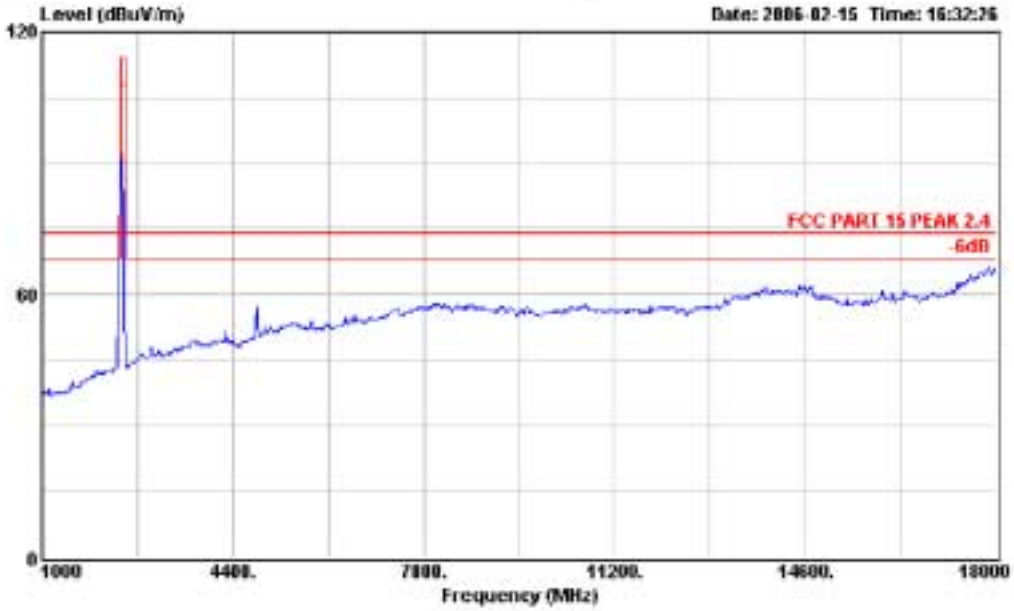

Site	: site
Condition	: FCC PART 15 PEAK 2.4 3m 3115 FACTOR HORIZONTAL
EUT	: PSII Lava Glow
M/N	: DGPN-551
Test Spec	: DC 3V
Test Engineer	: Jack
OP Condition	: TX
Comment	: Temp:22' Humi:50%
Memo	: CH 2.41 GHz

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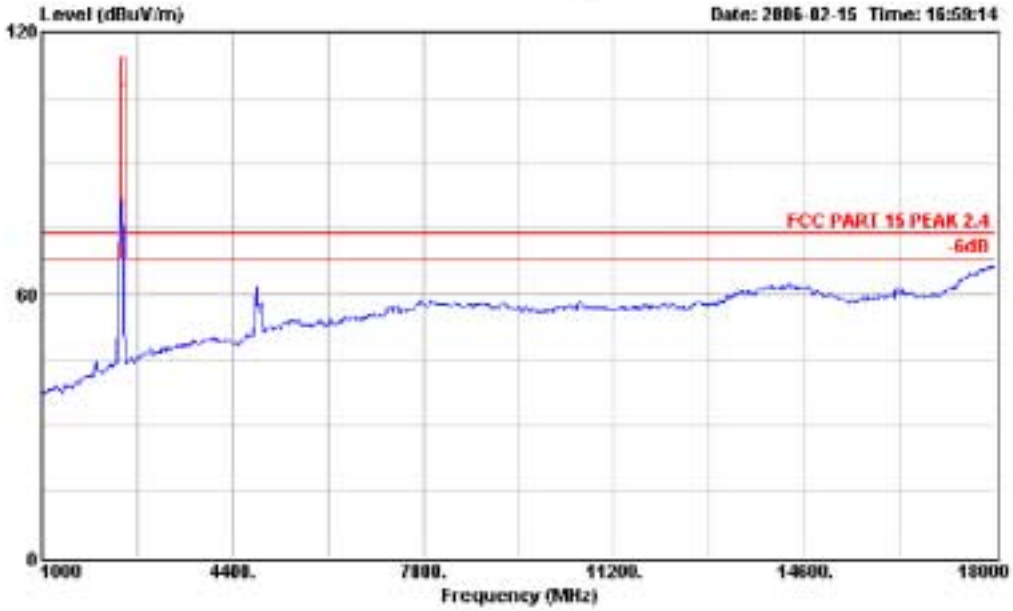

Site : site
Condition : FCC PART 15 PEAK 2.4 3m 3115 FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.41 GHz

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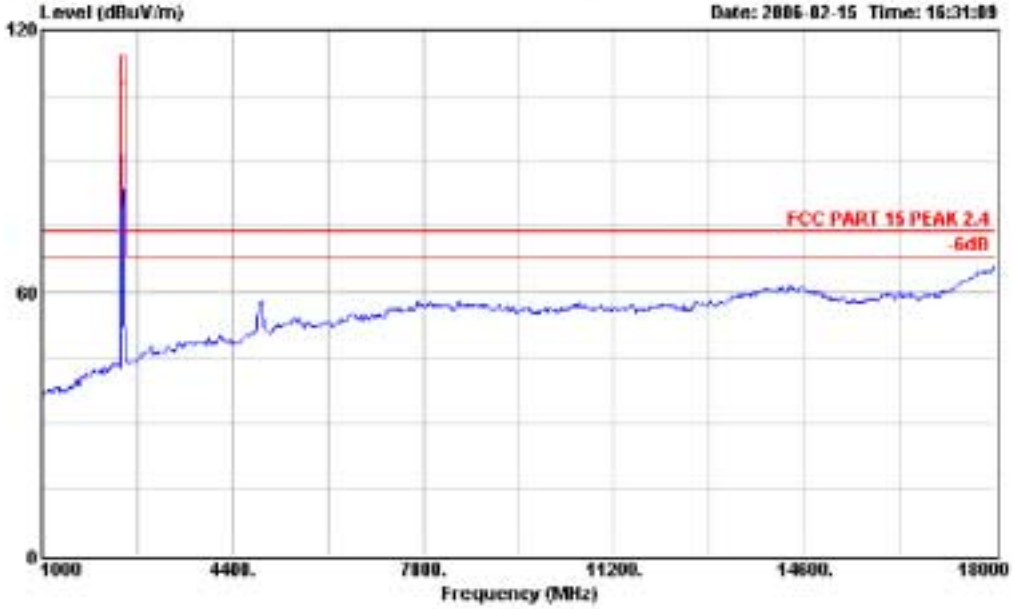

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Condition : FCC PART 15 PEAK 2.4 3m 3115 FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humi:50%
Memo : CH 2.44GHz

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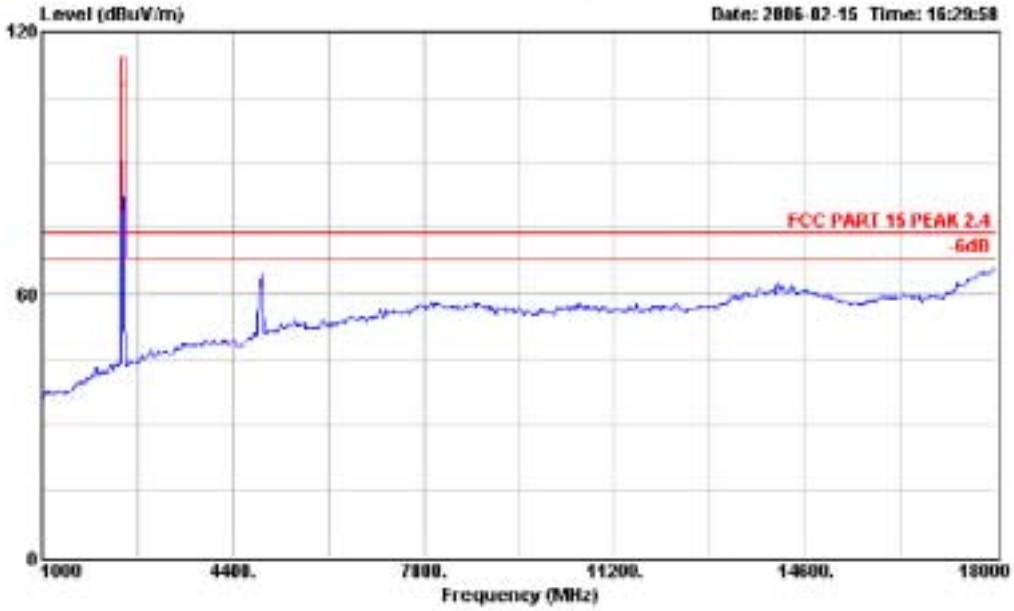

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Condition	: FCC PART 15 PEAK 2.4 3m 3115 FACTOR VERTICAL
EUT	: PSII Lava Glow
M/N	: DGPN-551
Test Spec	: DC 3V
Test Engineer	: Jack
OP Condition	: TX
Comment	: Temp:22' Humi:50%
Memo	: CH 2.44GHz

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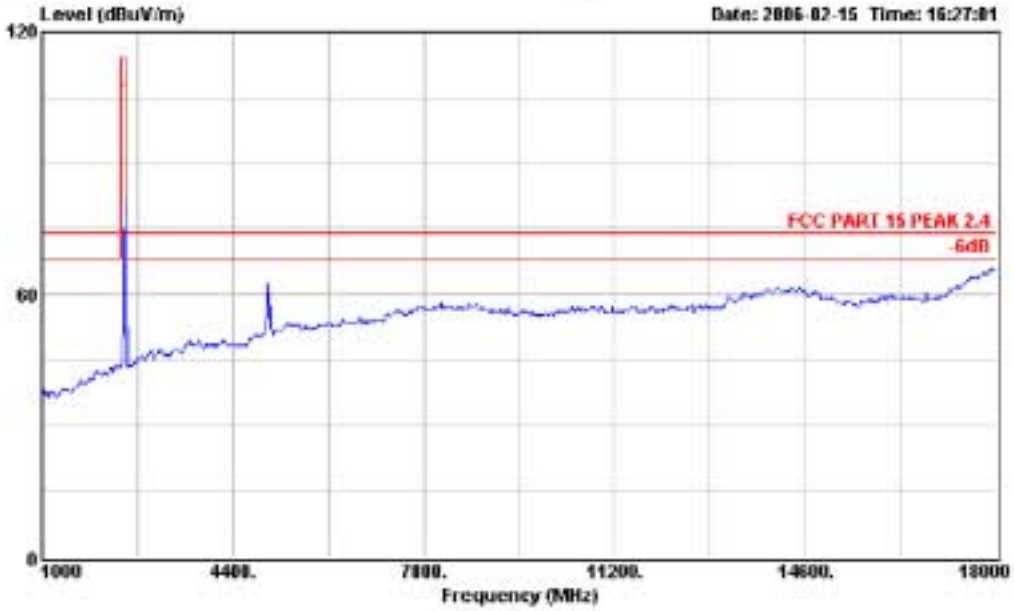

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Condition	: FCC PART 15 PEAK 2.4 3m 3115 FACTOR HORIZONTAL
EUT	: PSII Lava Glow
M/N	: DGPN-551
Test Spec	: DC 3V
Test Engineer	: Jack
OP Condition	: TX
Comment	: Temp:22' Humi:50%
Memo	: CH 2.47GHz

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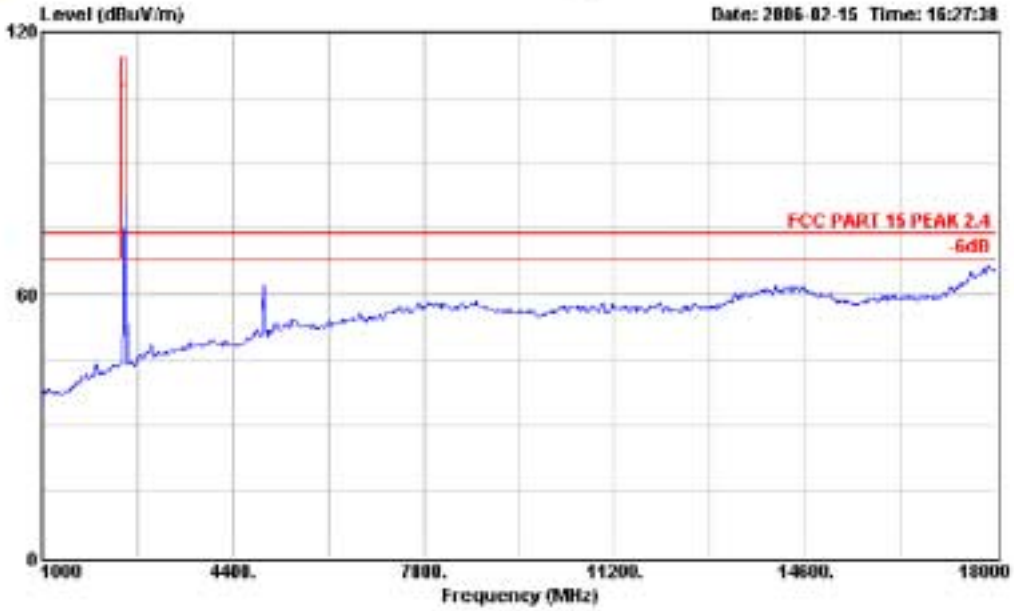

Site	: site
Condition	: FCC PART 15 PEAK 2.4 3m 3115 FACTOR VERTICAL
EUT	: PSII Lava Glow
M/N	: DGPN-551
Test Spec	: DC 3V
Test Engineer	: Jack
OP Condition	: TX
Comment	: Temp:22' Humi:50%
Memo	: CH 2.47GHz

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audixacl@8848.net

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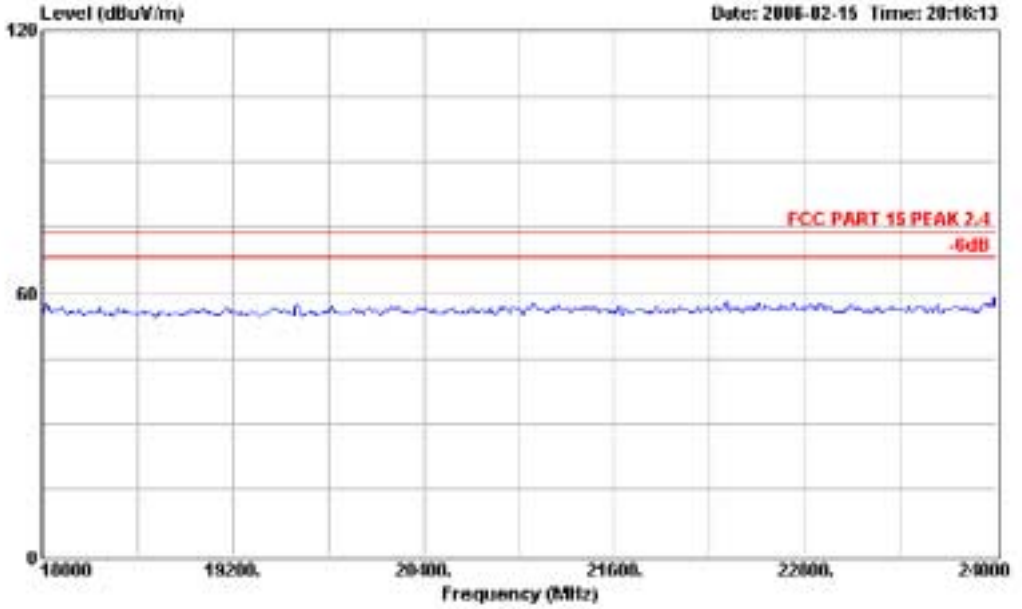

Site : 1# Chamber
Condition : FCC PART 15 PEAK 2.4 3m 3115FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humd:50%
Memo : CH 2.41GHz

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audixacl@8848.net

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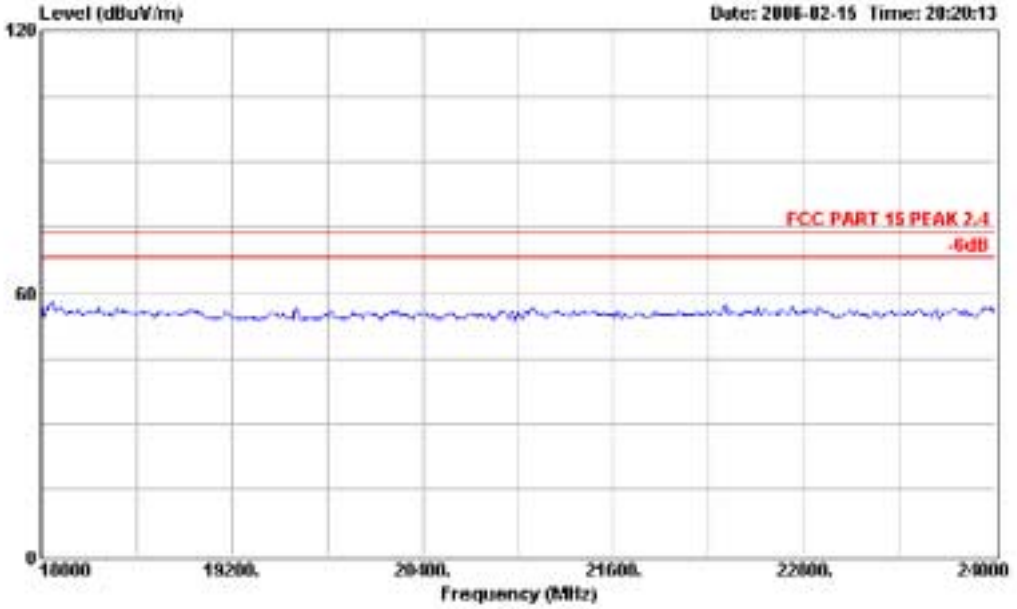

Site : 1# Chamber
Condition : FCC PART 15 PEAK 2.4 3m 3115FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humd:50%
Memo : CH 2.41GHz

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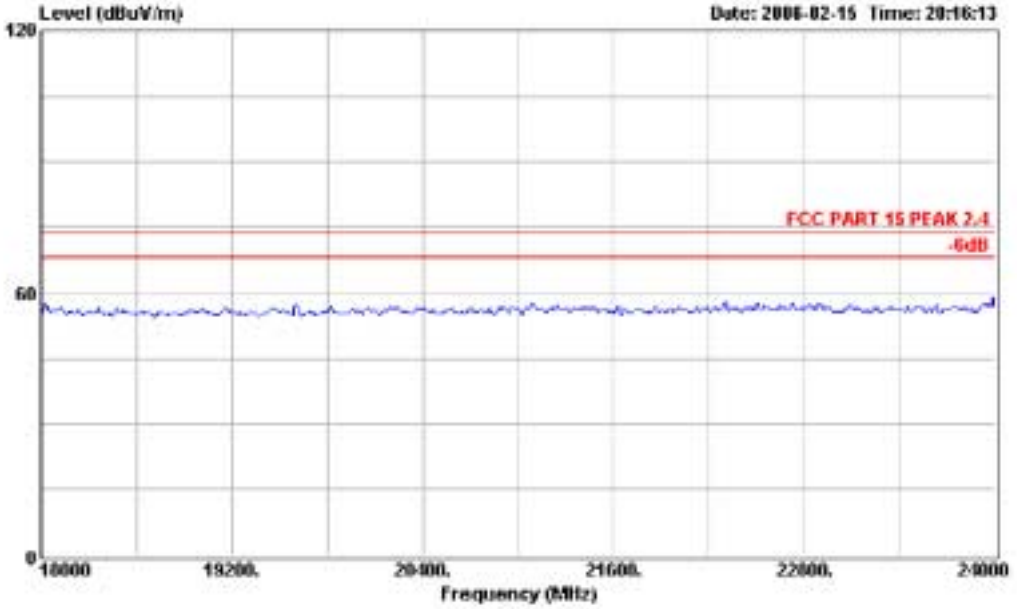

Site : 1# Chamber
Condition : FCC PART 15 PEAK 2.4 3m 3115FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humd:50%
Memo : CH 2.44GHz

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audixscl@8848.net

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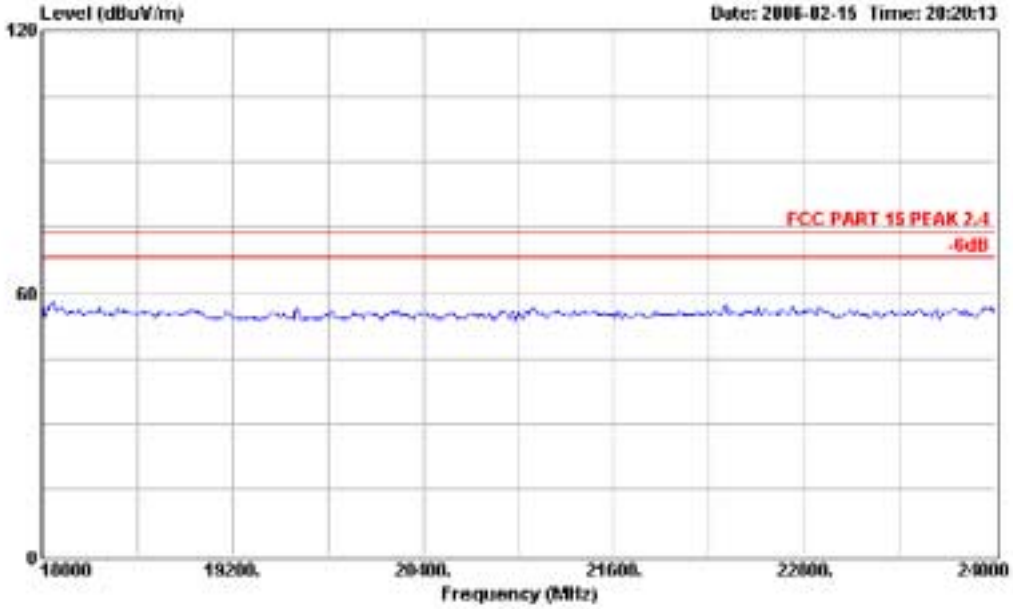

Site : 1# Chamber
Condition : FCC PART 15 PEAK 2.4 3m 3115FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22° Humi:50%
Memo : CH 2.44GHz

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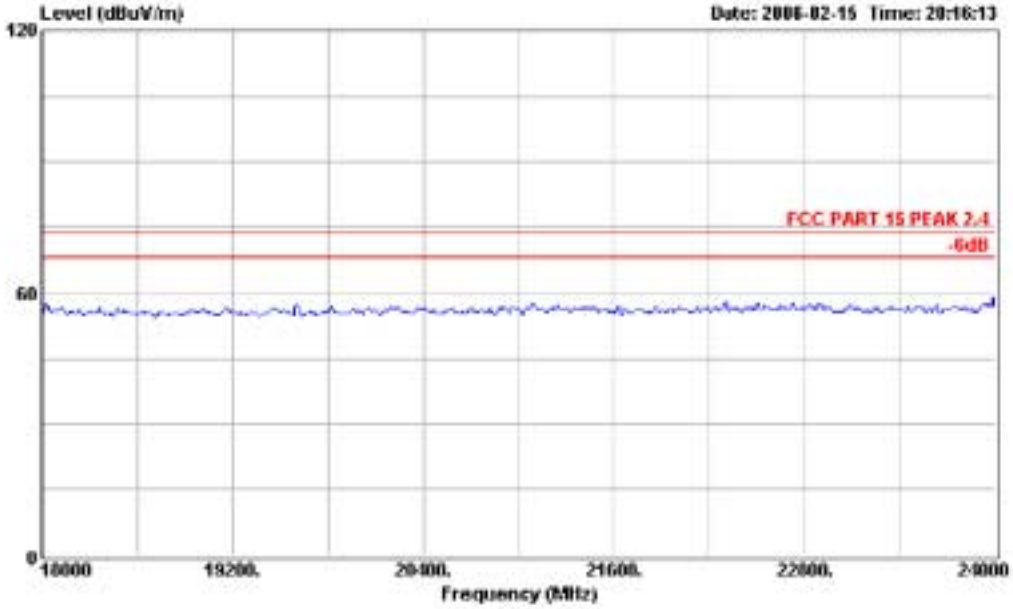

Site : 1# Chamber
Condition : FCC PART 15 PEAK 2.4 3m 3115FACTOR HORIZONTAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22° Humi:50%
Memo : CH 2.47GHz

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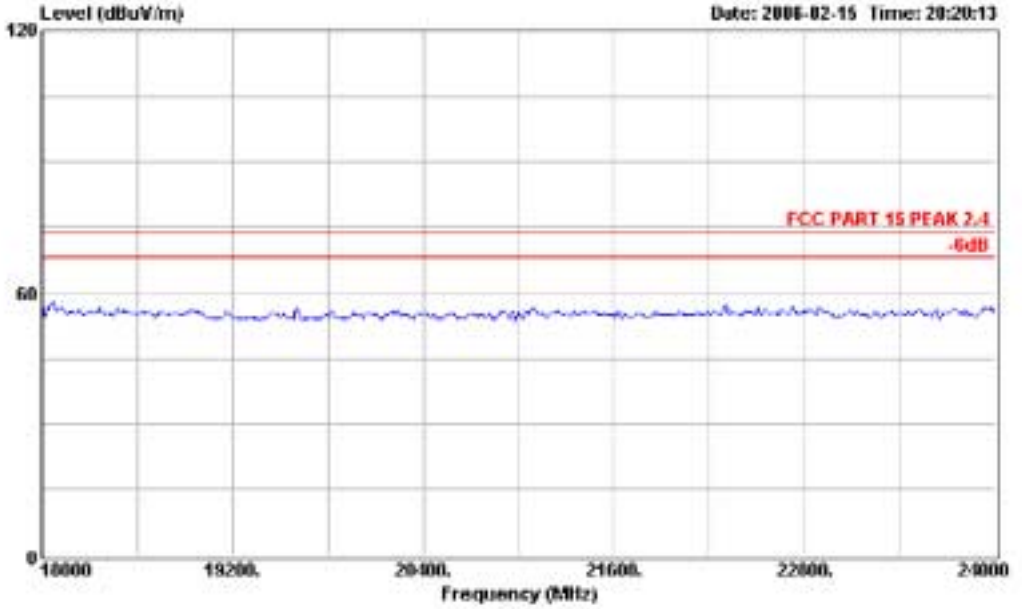

Site : 1# Chamber
Condition : FCC PART 15 PEAK 2.4 3m 3115FACTOR VERTICAL
EUT : PSII Lava Glow
M/N : DGPN-551
Test Spec : DC 3V
Test Engineer : Jack
OP Condition : TX
Comment : Temp:22' Humd:50%
Memo : CH 2.47GHz