

APPLICATION FOR CERTIFICATION

On Behalf of

Mad Catz, Inc.

EUT Description	Model Number
PS3 Wireless Stratocaster guitar controller	9756
PS3 Wireless American P-Bass guitar controller	9766

FCC ID: P25G0MC9766H3008C

Prepared for : Mad Catz, Inc.
7480 Mission Valley Road, Suite 101, San Diego,
California, 92108

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
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Report Number : ACS-F08389
Date of Test : Sep.08~10, 2008
Date of Report : Sep.11, 2008

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TEST REPORT CERTIFICATION

Applicant : Mad Catz, Inc.

EUT Description &
MODEL NO. :

EUT Description	Model Number
PS3 Wireless Stratocaster guitar controller	9756
PS3 Wireless American P-Bass guitar controller	9766

FCC ID : P25G0MC9766H3008C

POWER SUPPLY : DC 3V

TEST VOLTAGE : DC 3V

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart C 2007

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.

Date of Test :

Sep.08~10, 2008

Prepared by :

YoYo Wang

YoYo Wang / Assistant

Reviewer :

Jamy Yu

Jamy Yu / Senior Engineer



Approved & Authorized Signer :

Ken Lu / Deputy Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	Standard	Results
Power Line Conducted Emission Test	FCC Part 15C: 15.207 ANSI C63.4-2003	N/A
Radiated Emission Test	FCC Part 15C: 15.209 ANSI C63.4-2003	PASS
Band Edge Compliance Test	FCC Part 15: 15.249	PASS
20dB Bandwidth Test	FCC Part 15: 15.215	PASS
N/A is an abbreviation for Not Applicable.		

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT Description & Model Number	:	EUT Description		Model Number
		PS3 Wireless Stratocaster guitar controller		9756
		PS3 Wireless American P-Bass guitar controller		9766

The size and appearance are different only.

Test Model No.: 9766

FCC ID : P25G0MC9766H3008C

Operation frequency : 2410MHz~2469MHz

Power Supply : DC 3V
(Note: New batteries were used for all test.)

Applicant : Mad Catz, Inc.
7480 Mission Valley Road, Suite 101, San Diego, California,
92108

Date of Test : Sep.08~10, 2008

Date of Receipt : Jul.26, 2008

Sample Type : Prototype production

Note: This EUT has two parts, one is guitar, the other one is dongle. We test "guitar" in this report.

2.2. Test Facility

Site Description

- Name of Firm : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China
- 3m Anechoic Chamber : Jun. 13, 2006 File on Federal Communication Commission
Registration Number: 90454
- 3m & 10m Anechoic Chamber : Jan. 31, 2007 File on Federal Communication Commission
Registration Number: 794232
- EMC Lab. : Accredited by DATech, German
Registration Number: DAT-P-091/99-01
Dec. 20, 2007
- Accredited by NVLAP, USA
NVLAP Code: 200372-0
Apr.01, 2008

2.3. Test Uncertainty

No.	Item	MU	Remark
1.	Uncertainty for Conducted Emission Test	2.02dB	
2.	Uncertainty for Radiation Emission test in 3m chamber	3.44 dB	Polarize: V
		3.96 dB	Polarize: H
3.	Uncertainty for Radiation Emission test in 10m chamber	3.46 dB	Distance: 10m Polarize: V
		3.82 dB	Distance: 10m Polarize: H
		3.64 dB	Distance: 3m Polarize: V
		4.02 dB	Distance: 3m Polarize: H

3. POWER LINE CONDUCTED EMISSION TEST

According to Paragraph (f) of FCC Part 15 section 15.207, 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.

4. RADIATED EMISSION TEST

4.1. Test Equipment

Frequency rang: 30~1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	Jun.09, 08	1/2 Year
2.	EMI Spectrum	Agilent	E7403A	MY42000106	May 10, 08	1 Year
3.	Test Receiver	Rohde & Schwarz	ESVS20	830350/005	May 10, 08	1 Year
4.	Amplifier	HP	8447D	2648A04738	Jul.08.08	1/2 Year
5.	Bilog Antenna	Schaffner	CBL6112D	25237	Feb.21, 08	1 Year
6.	RF Cable	JINGCHENG	KLMR400	3# Chamber No.1	Jul.08.08	1/2 Year
7.	RF Cable	JINGCHENG	JB Y400	3# Chamber No.2	Jul.08.08	1/2 Year
8.	RF Cable	JINGCHENG	JB Y400	3# Chamber No.3	Jul.08.08	1/2 Year
9.	RF Cable	JINGCHENG	JB Y400	3# Chamber No.4	Jul.08.08	1/2 Year
10.	Coaxial Switch	Anritsu	MP59B	M73989	Jul.08.08	1/2 Year

Frequency rang: above 1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	MY41440292	May 10, 08	1 Year
2.	Amp	HP	8449B	3008A00863	May 10, 08	1 Year
3.	Antenna	EMCO	3115	9607-4877	May 27, 08	1.5 Year
4.	Antenna	EMCO	3116	00060088	May 28, 07	1.5Year
5.	HF Cable	Hubersuhne	Sucoflex104	-	May 10, 08	1 Year

4.2. Block Diagram of Test Setup

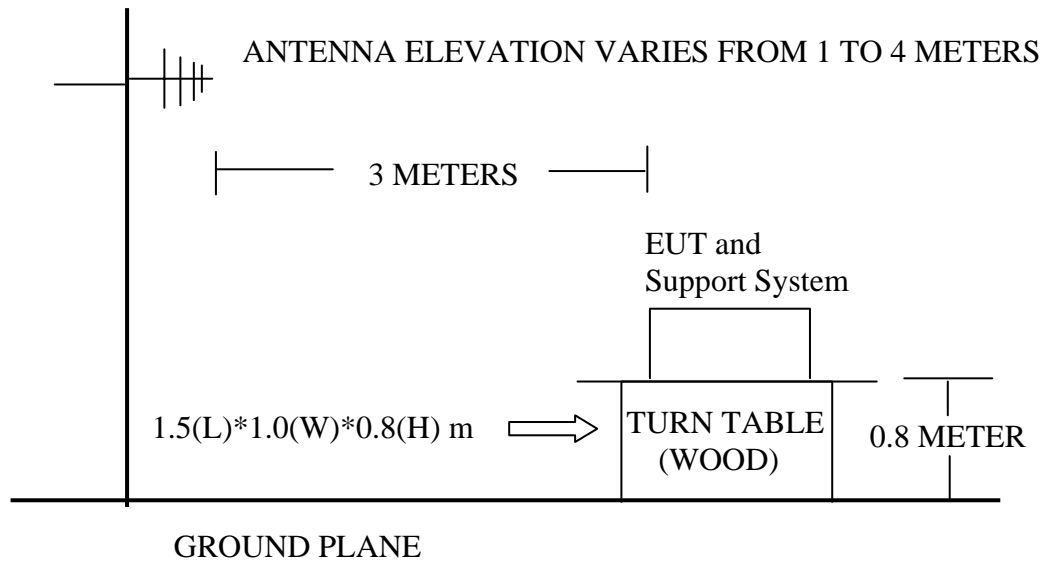
4.2.1. Block Diagram of connection between EUT and simulators



(EUT: PS3 Wireless American P-Bass guitar controller)

4.2.2. Anechoic Chamber Setup Diagram

ANTENNA TOWER



4.3. Radiated Emission Limit Standard: FCC 15.249

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
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	114.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 94.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	
Above 1000	3	Other: 74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

- Remark :
- (1) Emission level $\text{dB}\mu\text{V} = 20 \log$ Emission level $\mu\text{V}/\text{m}$
 - (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.

4.4. 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.

4.4.1. PS3 Wireless American P-Bass guitar controller (EUT)

Model Number : 9766
Serial Number : N/A

4.4.2. Support Equipment: As Tested Supporting System Detail, in Section 2.2.

4.5. Operating Condition of EUT

4.5.1. Setup the EUT as shown in Section 4.2..

4.5.2. Let the EUT work in test modes (TX Mode) and test it.

4.6. 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.

This test was performed with EUT in X, Y, Z position, and the worse case was found when EUT in X position and this position was also the normal use position.

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 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emission above 1GHz

The frequency range from 30MHz to 10th harmonic (25GHz) harmonic are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

4.7. Radiated Emission Test Results

PASS.

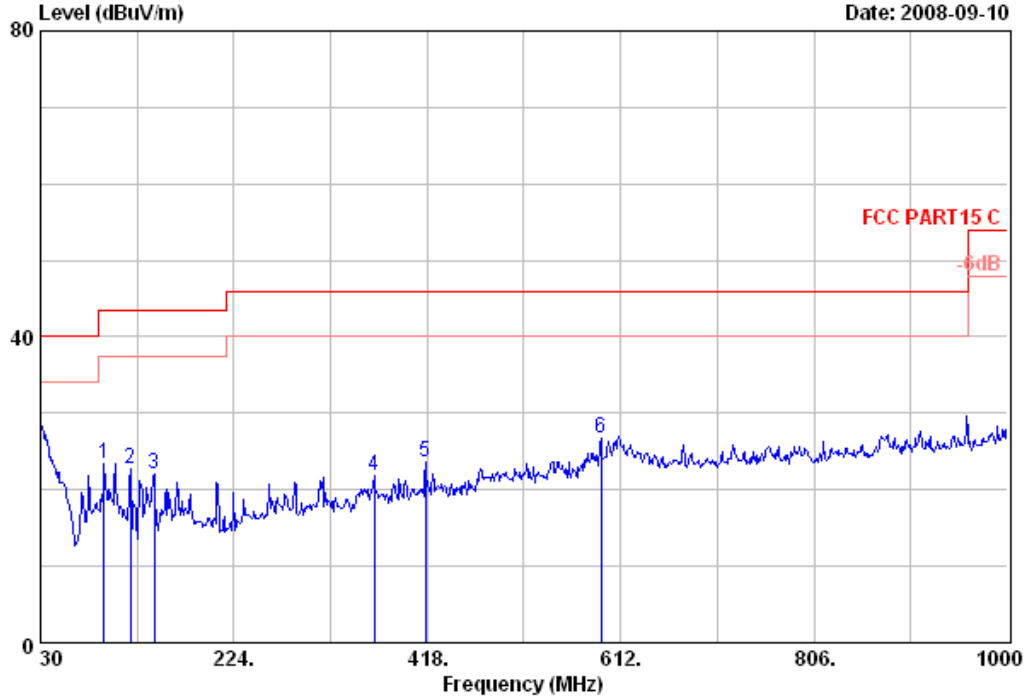
All the PK levels are comply with average limit, So the average levels are deemed to comply with average limit.



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 Postcode:518057

Data: 37 File: E:\2008 report data\M\mad catz\ACS80H141.EMI (38)

Date: 2008-09-10



Site no. : 3m chamber Data no. : 37
 Dis. / Ant. : 3m CBL6112D Ant. pol. : HORIZONTAL
 Limit : FCC PART15 C
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test Mode : Tx Mode
 Memo : M/N:9766 (guitar)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	94.02	17.90	1.20	4.33	23.43	43.50	20.07	QP
2	120.21	14.20	1.42	7.08	22.70	43.50	20.80	QP
3	144.46	13.60	1.54	6.89	22.03	43.50	21.47	QP
4	364.65	17.70	2.53	1.72	21.95	46.00	24.05	QP
5	416.06	18.12	2.65	2.75	23.52	46.00	22.48	QP
6	592.60	19.98	3.23	3.60	26.81	46.00	19.19	QP

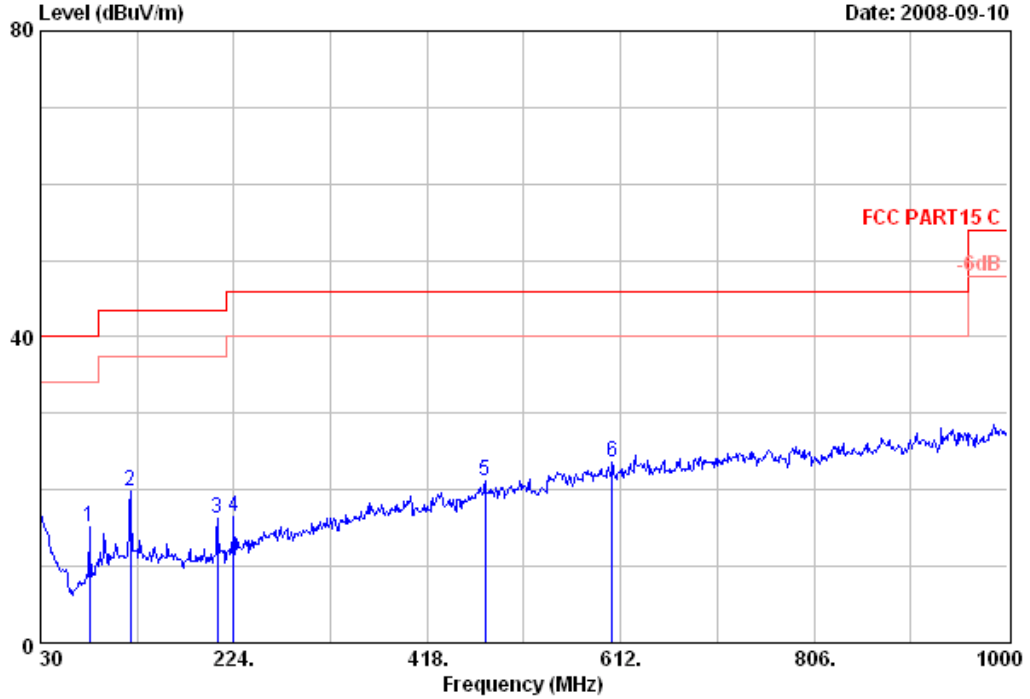
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 38 File: E:\2008 report data\M\mad catz\ACS80H141.EMI (38)

Date: 2008-09-10



Site no. : 3m chamber Data no. : 38
 Dis. / Ant. : 3m CBL6112D Ant. pol. : VERTICAL
 Limit : FCC PART15 C
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test Mode : Tx Mode
 Memo : M/N:9766 (guitar)

	Ant.		Cable		Emission			
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1 79.47	7.70	1.20	6.21	15.11	40.00	24.89	QP	
2 120.21	10.40	1.42	8.08	19.90	43.50	23.60	QP	
3 207.51	9.80	1.89	4.66	16.35	43.50	27.15	QP	
4 224.00	10.37	1.97	4.17	16.51	46.00	29.49	QP	
5 476.20	17.04	2.92	1.30	21.26	46.00	24.74	QP	
6 603.27	19.08	3.23	1.41	23.72	46.00	22.28	QP	

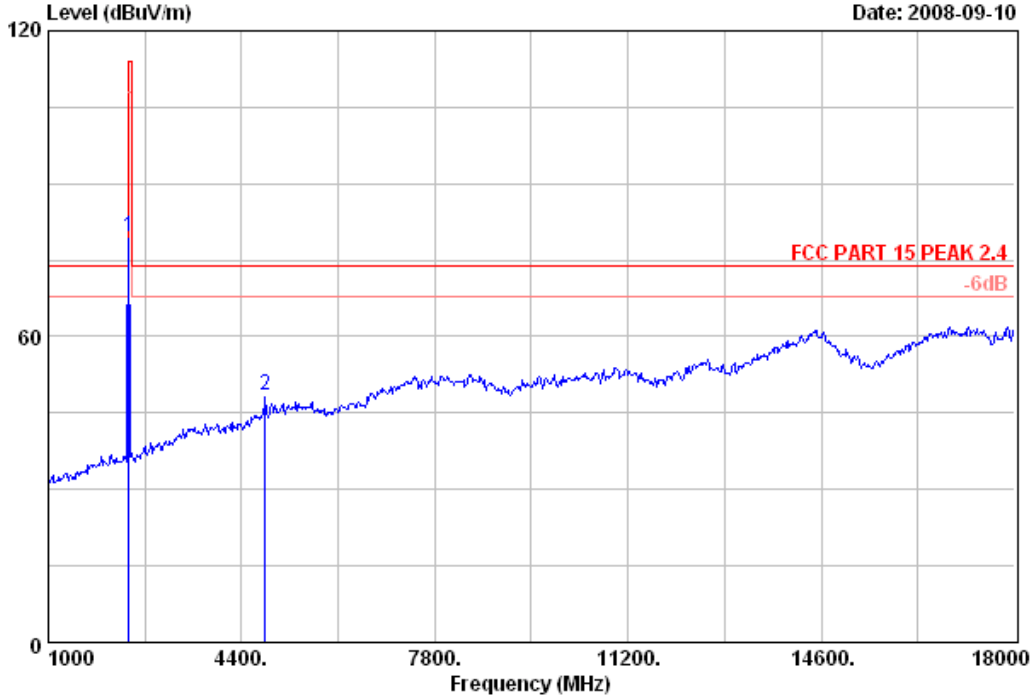
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 13 File: E:\2008 report data\M\mad catz\ACS80H141.EMI (28)

Date: 2008-09-10



Site no. : 3# Chamber Data no. : 13
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART 15 PEAK 2.4
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test mode : Tx 2410MHz
 Memo : M/N:9766 (guitar)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)			
1	2410.00	28.48	6.73	35.18	79.61	79.64	114.00	34.36	Peak
2	4820.00	34.47	10.54	34.49	37.80	48.32	74.00	25.68	Peak

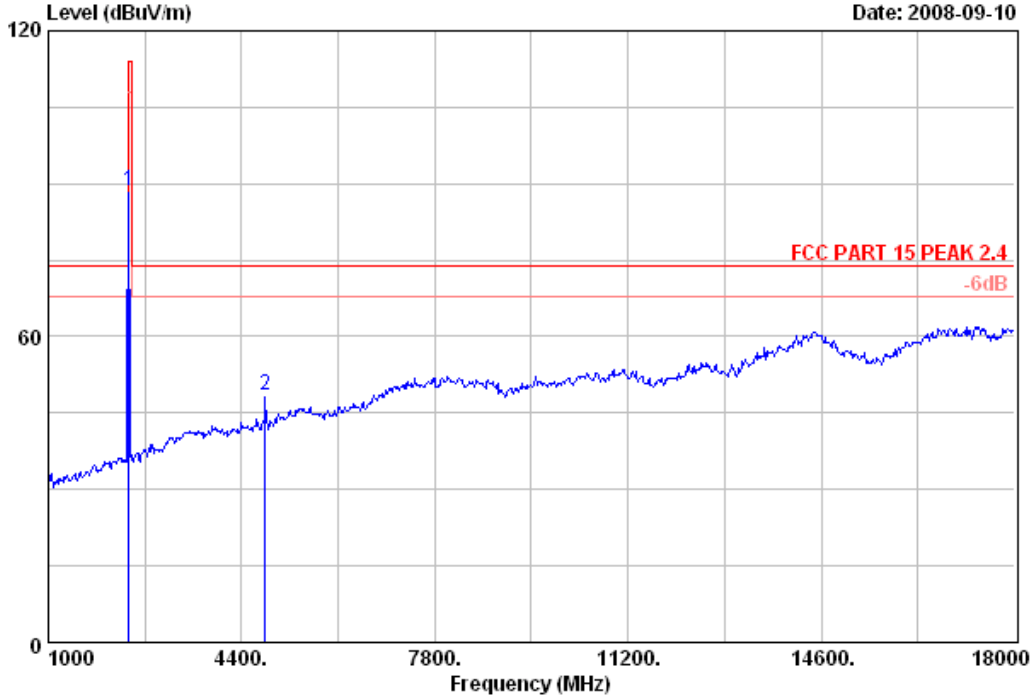
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 14 File: E:\2008 report data\M\mad catz\ACS80H141.EMI (28)

Date: 2008-09-10



Site no. : 3# Chamber Data no. : 14
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 PEAK 2.4
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test mode : Tx 2410MHz
 Memo : M/N:9766 (guitar)

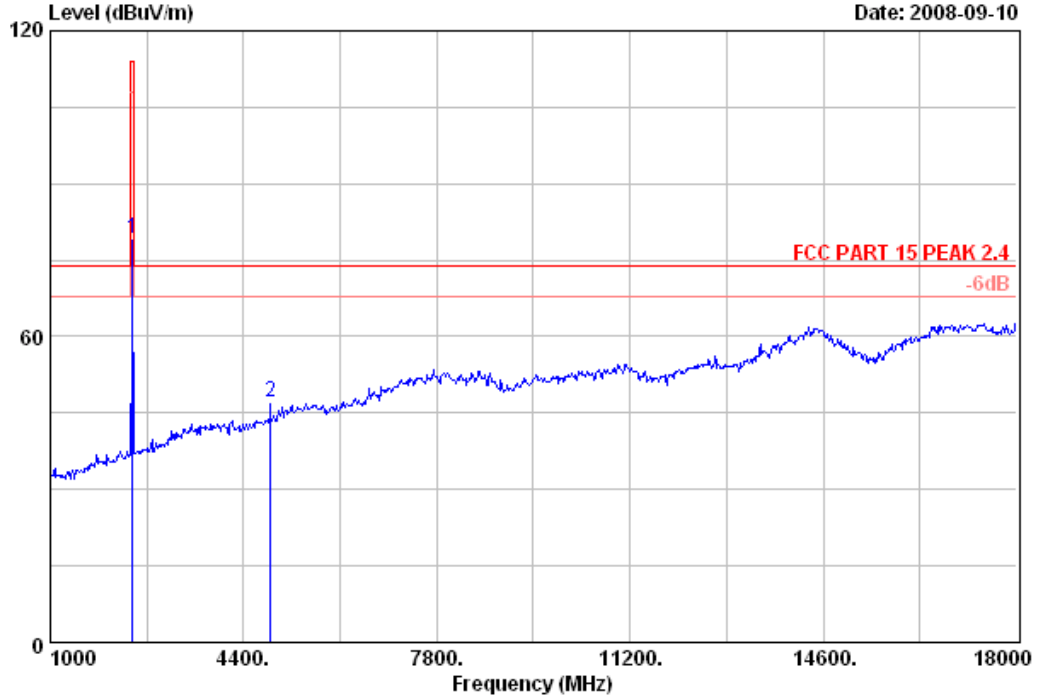
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)			
1	2410.00	28.48	6.73	35.18	88.68	88.71	114.00	25.29	Peak
2	4820.00	34.47	10.54	34.49	37.85	48.37	74.00	25.63	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 15 File: E:\2008 report data\mad catz\ACS80H141.EMI (28)



Site no. : 3# Chamber Data no. : 15
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART 15 PEAK 2.4
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test mode : Tx 2440MHz
 Memo : M/N:9766 (guitar)

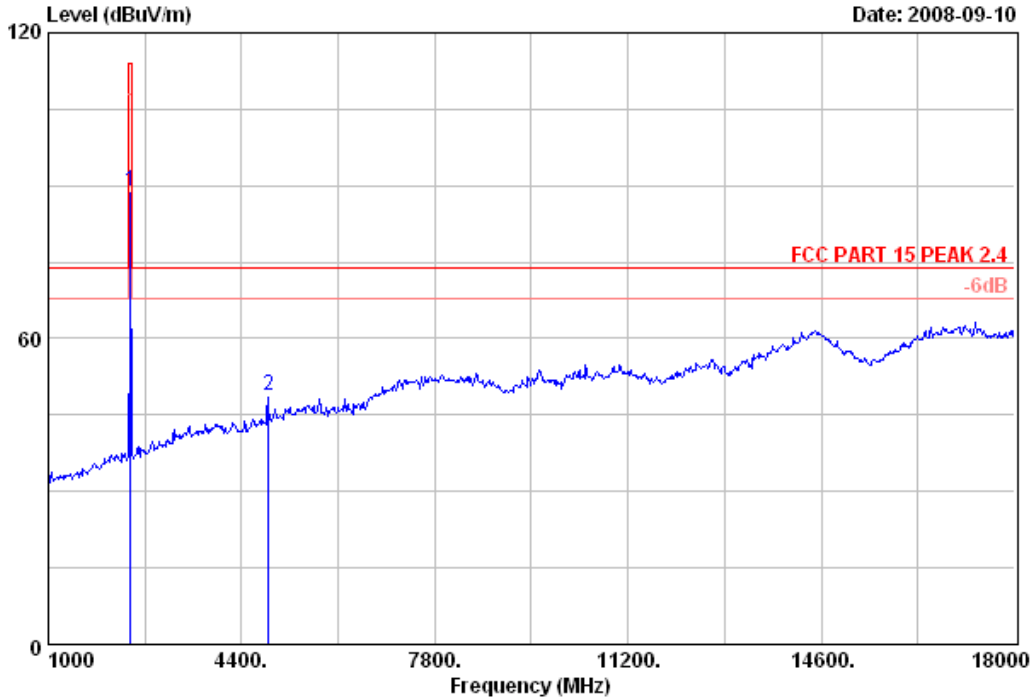
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.00	28.53	6.80	35.17	79.20	79.36	114.00	34.64	Peak
2	4880.00	34.78	10.56	34.48	36.14	47.00	74.00	27.00	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 16 File: E:\2008 report data\Mmad catz\ACS80H141.EMI (28)



Site no. : 3# Chamber Data no. : 16
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 PEAK 2.4
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test mode : Tx 2440MHz
 Memo : M/N:9766 (guitar)

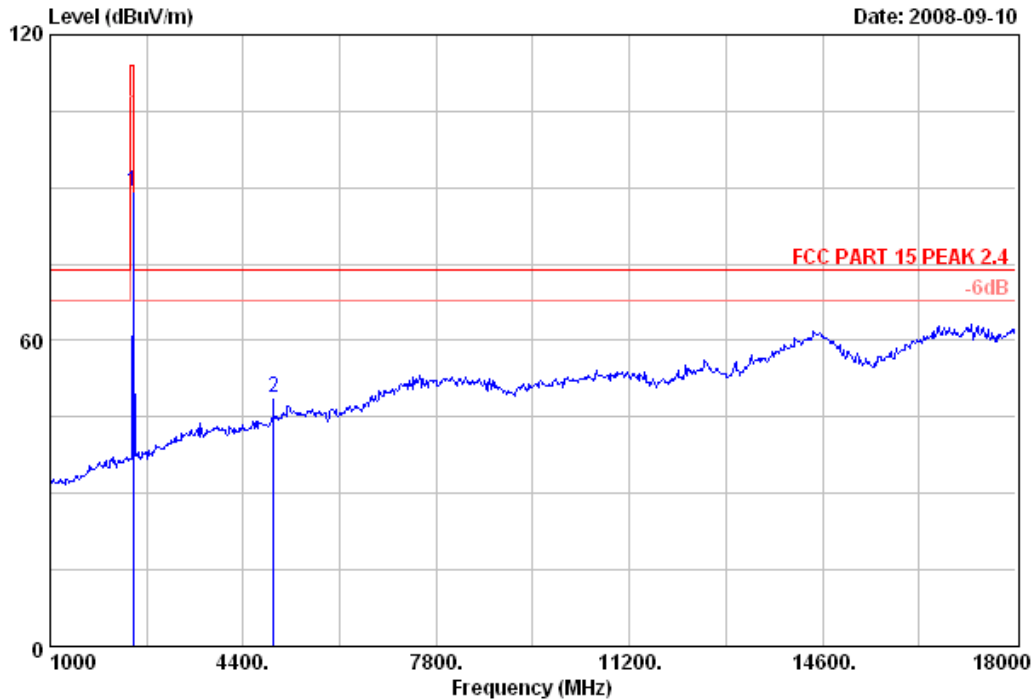
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	2440.00	28.53	6.80	35.17	88.78	88.94	114.00	25.06	Peak
2	4880.00	34.78	10.56	34.48	37.85	48.71	74.00	25.29	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 17 File: E:\2008 report data\l\mad catz\ACS80H141.EMI (28)



Site no. : 3# Chamber Data no. : 17
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 PEAK 2.4
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test mode : Tx 2469MHz
 Memo : M/N:9766 (guitar)

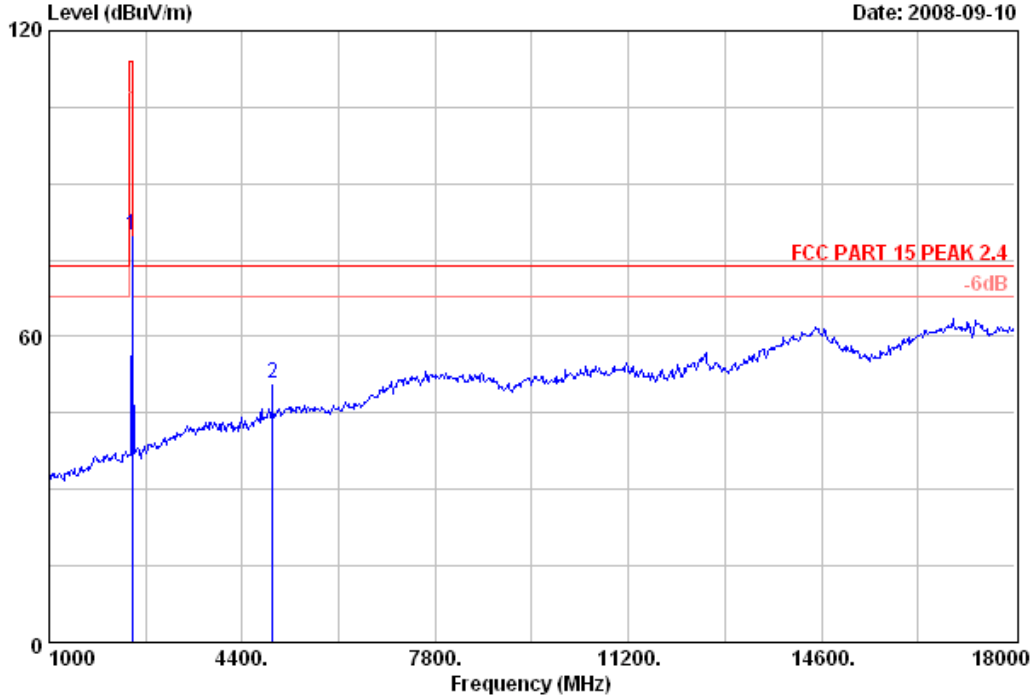
	Freq.	Ant.	Cable	Amp	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2469.00	28.55	6.84	35.16	88.98	89.21	114.00	24.79	Peak
2	4938.00	35.19	10.58	34.46	37.39	48.70	74.00	25.30	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 18 File: E:\2008 report data\l\mad catz\ACS80H141.EMI (28)



Site no. : 3# Chamber Data no. : 18
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART 15 PEAK 2.4
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test mode : Tx 2469MHz
 Memo : M/N:9766 (guitar)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2469.00	28.55	6.84	35.16	79.61	79.84	114.00	34.16	Peak
2	4938.00	35.19	10.58	34.46	39.51	50.82	74.00	23.18	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

5. BAND EDGE COMPLIANCE TEST

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May,10, 08	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	May,27, 08	1.5 Year
3	Amplifier	HP	8449B	3008A00863	May,10, 08	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX	182769/4	May,28, 08	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX	182768/4	May,28, 08	1 Year
6	RF Cable	Hubersuhner	SUCOFLEX	182771/4	May,28, 08	1 Year

5.2. Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in section 15.209, which is the lesser attenuation.

5.3. Test Produce

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upperband-edges of the emission:
 - (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO

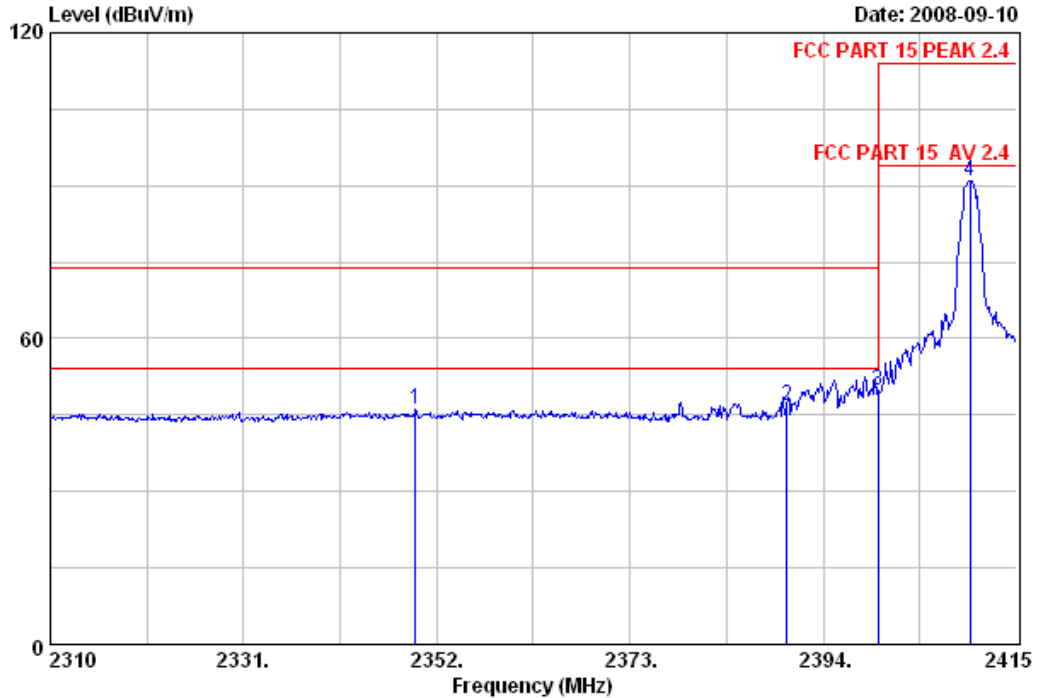
5.4. Test Results

Pass (The testing data was attached in the next pages.)



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 Postcode:518057

Data: 25 File: E:\2008 report data\M\mad catz\ACS80H141.EMI (28)



Site no. : 3# Chamber Data no. : 25
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 PEAK 2.4
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test mode : Tx 2410MHz
 Memo : M/N:9766 (guitar)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2349.69	28.38	6.67	35.19	46.17	46.03	74.00	27.97	Peak
2	2390.00	28.46	6.71	35.18	46.68	46.67	74.00	27.33	Peak
3	2400.00	28.46	6.73	35.18	49.89	49.90	74.00	24.10	Peak
4	2410.00	28.48	6.73	35.18	90.83	90.86	114.00	23.14	Peak

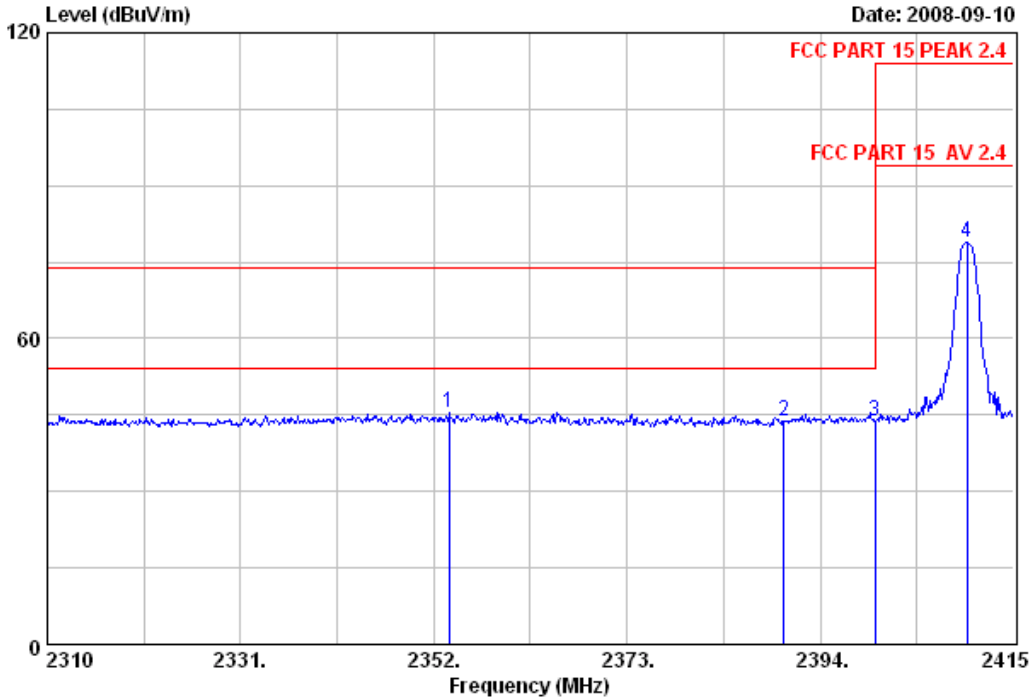
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 26 File: E:\2008 report data\lmmad catz\ACS80H141.EMI (28)

Date: 2008-09-10



Site no. : 3# Chamber Data no. : 26
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART 15 PEAK 2.4
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test mode : Tx 2410MHz
 Memo : M/N:9766 (guitar)

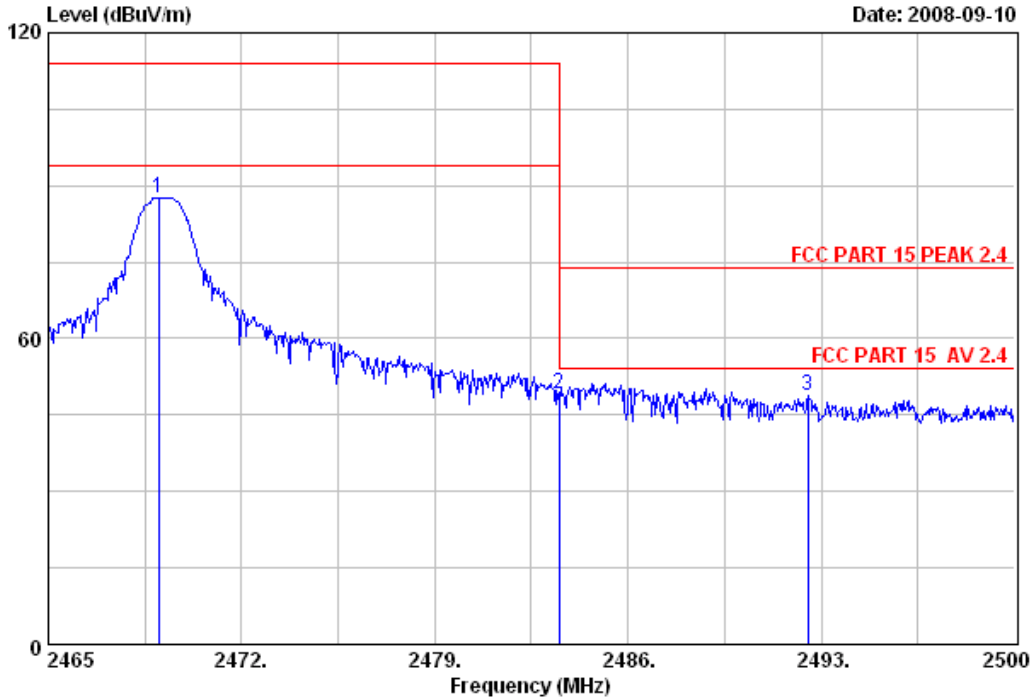
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)			
1	2353.68	28.41	6.67	35.19	45.54	45.43	74.00	28.57	Peak
2	2390.00	28.46	6.71	35.18	43.79	43.78	74.00	30.22	Peak
3	2400.00	28.46	6.73	35.18	43.82	43.83	74.00	30.17	Peak
4	2410.00	28.48	6.73	35.18	78.73	78.76	114.00	35.24	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 27 File: E:\2008 report data\Mmad catz\ACS80H141.EMI (28)



Site no. : 3# Chamber Data no. : 27
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 PEAK 2.4
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test mode : Tx 2469MHz
 Memo : M/N:9766 (guitar)

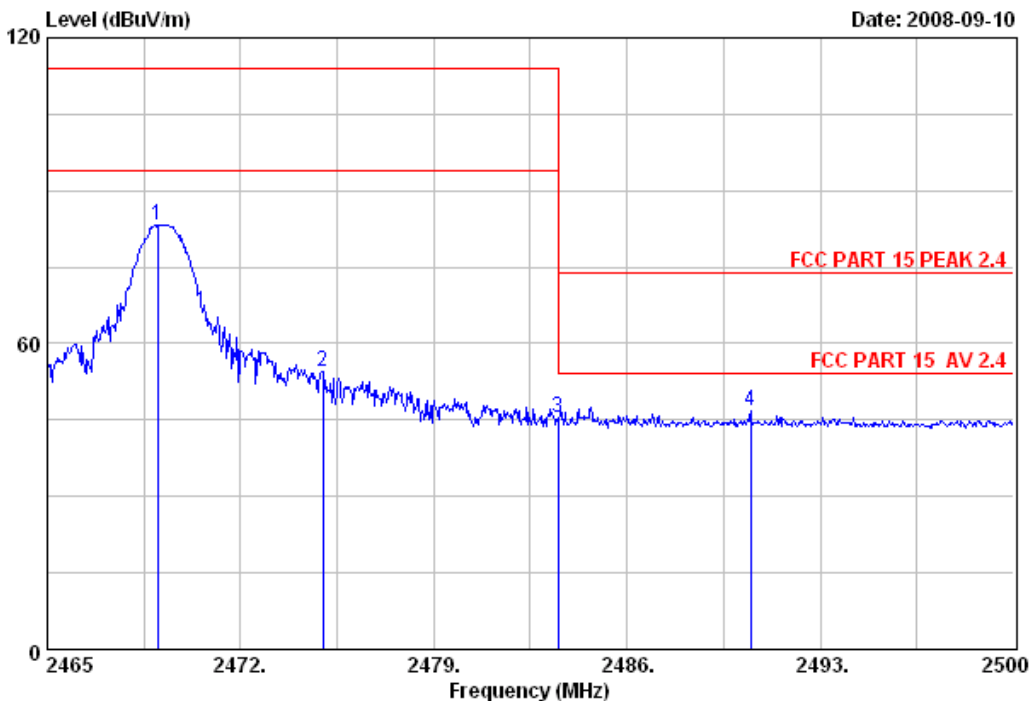
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)			
1	2469.00	28.55	6.84	35.16	87.42	87.65	114.00	26.35	Peak
2	2483.50	28.58	6.87	35.16	48.80	49.09	74.00	24.91	Peak
3	2492.51	28.60	6.91	35.15	48.58	48.94	74.00	25.06	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 28 File: E:\2008 report data\Mmad catz\ACS80H141.EMI (28)



Site no. : 3# Chamber Data no. : 28
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART 15 PEAK 2.4
 Env. / Ins. : 23°C/54% Engineer : Power
 EUT : PS3 Wireless American P-Bass guitar controller
 Power Rating: DC 3V
 Test mode : Tx 2469MHz
 Memo : M/N:9766 (guitar)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	2469.00	28.55	6.84	35.16	82.84	83.07	114.00	30.93	Peak
2	2474.98	28.58	6.87	35.16	54.34	54.63	114.00	59.37	Peak
3	2483.50	28.58	6.87	35.16	45.18	45.47	74.00	28.53	Peak
4	2490.48	28.60	6.91	35.15	46.48	46.84	74.00	27.16	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

6. 20DB BANDWIDTH TEST

6.1. Test Equipment

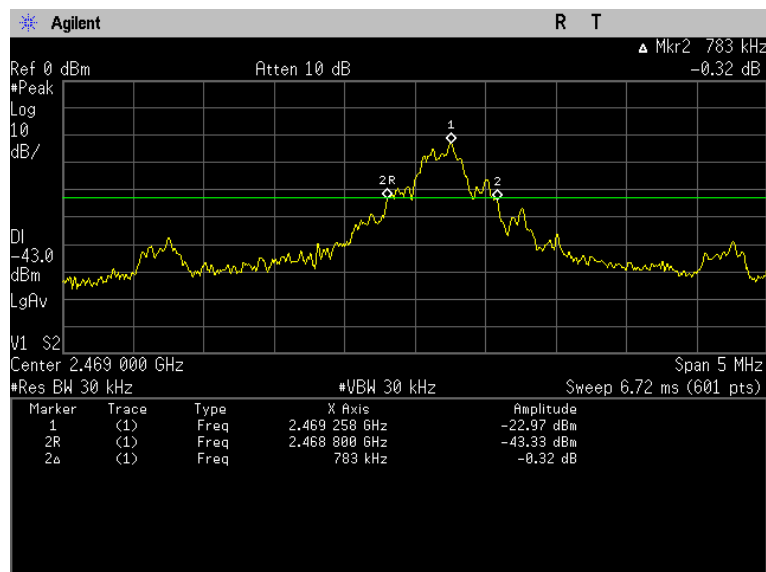
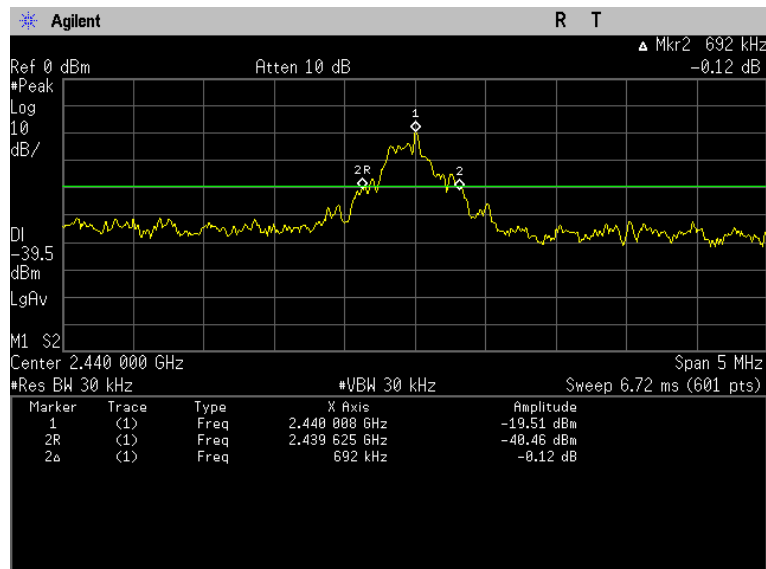
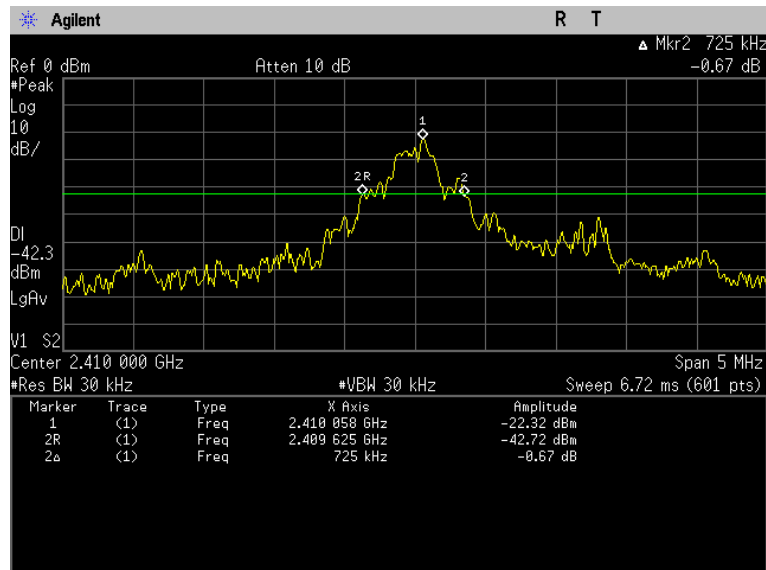
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May,10, 08	1 Year
2	Attenuator	Agilent	8491B	MY39262165	May,28, 08	1 Year
3	Bilog Antenna	Schaffner	CBL6112D	25238	Feb,21, 08	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX 102	2861812	May,28, 08	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX 102	28862212	May,28, 08	1 Year

6.2. Test Information

EUT:	PS3 Wireless American P-Bass guitar controller
M/N:	9766
Test Date:	Sep.10, 2008
Ambient Temperature:	23°C
Relative Humidity:	54%
Test standard:	FCC PART 15C: 15.215
Test mode:	Transmitting
Test Frequency:	Low: 2410MHz Mid: 2440MHz High: 2469MHz
Test By:	Power

6.3. Test Results

CH	20dB Bandwidth (kHz)	Limit (kHz)	Conclusion
(Low)	725	---	PASS
(Mid)	692	---	PASS
(High)	783	---	PASS



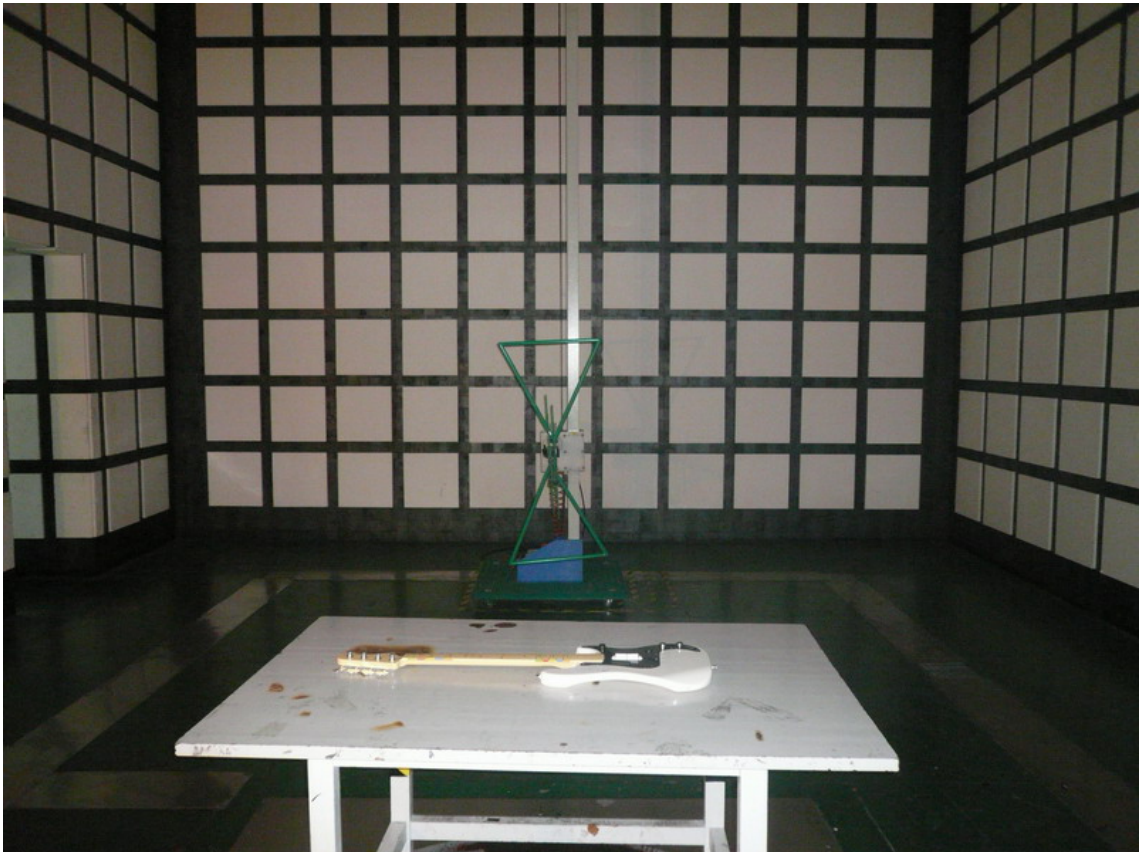
7. DEVIATION TO TEST SPECIFICATIONS

[NONE]

8. PHOTOGRAPH OF TEST

8.1. Photos of Radiated Emission Test (In Anechoic Chamber)

30~1000MHz



above 1000MHz

