

FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Activision Publishing, Inc.

Receiver for PlayStation 3

Trade Name : Activision

Model No. : 0000515

FCC ID: XLU0000515

Prepared for : Activision Publishing, Inc.
3100 Ocean Park Boulevard, Santa Monica, CA90405, 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-F12225
Date of Test : Sep.17~Oct.18, 2012
Date of Report : Oct,29, 2012

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TEST REPORT CERTIFICATION

Applicant : Activision Publishing, Inc.
 Manufacturer : Berway Technology Ltd.
 EUT Description : Receiver for PlayStation 3
 FCC ID : XLU0000515
 (A) MODEL NO. : 0000515
 (B) Trade Name : Activision.
 (C) SERIAL NO. : N/A
 (D) Power Supply : DC 5V From PS3 Input AC 230V/50Hz
 (E) TEST VOLTAGE : DC 5V From PS3 Input AC 230V/50Hz

Tested for comply with:
 FCC Rules and Regulations Part 15 Subpart C: 2011

Test procedure used:
 ANSI C63.10:2009

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart C requirements. 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 these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC and IC requirements. This report contains data that are not covered by the NVLAP accreditation.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

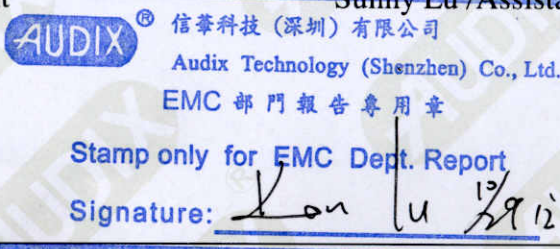
This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Sep.17~ Oct.18, 2012 Report of date: Oct.29, 2012

Prepared by : June Shao Reviewed by : Sunny Lu
 June Shao/ Assistant Sunny Lu/ Assistant Manager

Approved & Authorized Signer :



Ken Lu / 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 C63.10-2009	PASS
Radiated Emission Test	FCC Part 15C: 15.209 FCC Part 15C: 15.249 ANSI C63.10-2009	PASS
Band Edge Compliance Test	FCC Part 15: 15.249 ANSI C63.10-2009	PASS
99% Bandwidth Test	FCC Part 15: 15.215 ANSI C63.10-2009	PASS

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Product Name : Receiver for PlayStation 3

Model Number : 0000515

FCC ID : XLU0000515

Operation Frequency : 2403MHz-2475MHz

Modulation Technology : GFSK

Antenna Assembly : Integrated PCB antenna, 0dBi gain
Gain

Power Supply : DC 5V From PS3 Input AC 230V/50Hz

Applicant : Activision Publishing, Inc.
3100 Ocean Park Boulevard, Santa Monica, CA90405, USA

Manufacturer : Berway Technology Ltd.
Unit1301-03, 13/F., No.88 Kwai Cheong Road, Kwai Chung,
N.T., H.K.

Date of Test : Sep.17~Oct.18, 2012

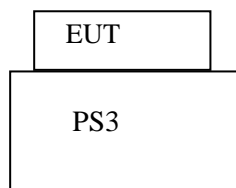
Date of Receipt : Sep.10, 2012

Sample Type : Prototype production

2.2. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1.	PS 3	Manufacturer: SONY M/N: CECH-3012B				

2.3. Block Diagram of Test Setup



(EUT: Receiver for PlayStation 3)

2.4. 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 : Certificated by FCC, USA
Registration Number: 90454
Valid Date: Feb.22, 2015

3m & 10m Anechoic Chamber : Certificated by FCC, USA
Registration Number: 794232
Valid Date: Dec.30, 2012

EMC Lab. : Certificated by Industry Canada
Registration Number: IC 5183A-1
Valid Date: Jun.13, 2014

: Certificated by DAkkS, Germany
Registration No: D-PL-12151-01-01
Valid Date: Feb.01, 2014

Accredited by NVLAP, USA
NVLAP Code: 200372-0
Valid Date: Mar.31, 2013

2.5. Measurement Uncertainty (95% confidence levels, k=2)

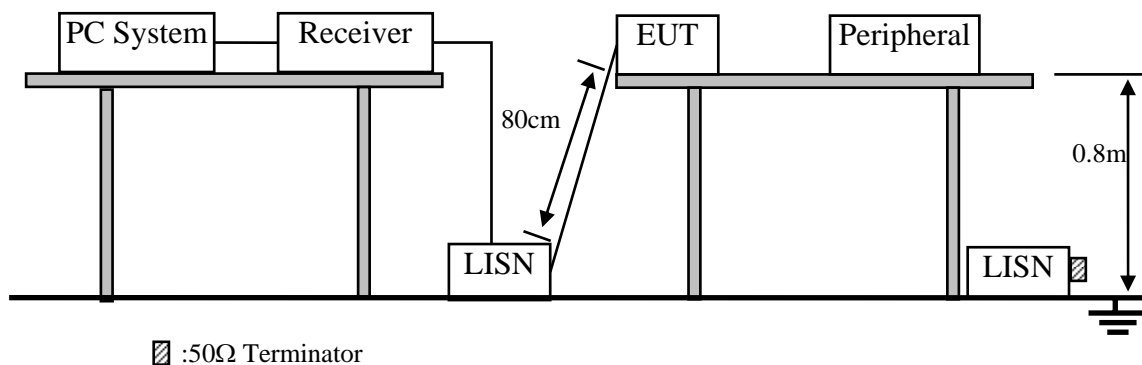
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.6dB(9KHz to 150KHz)
	3.2dB (150KHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	3.6 dB(30~200MHz, Polarize: H)
	3.8 dB(30~200MHz, Polarize: V)
	4.2 dB(200M~1GHz, Polarize: H)
	3.8 dB(200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	3.1dB (Distance: 3m Polarize: V)
	3.7 dB (Distance: 3m Polarize: H)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.57 dB
Uncertainty for Conduction Spurious emission test	2.00 dB
Uncertainty for Output power test	0.73 dB
Uncertainty for Power density test	2.00 dB
Uncertainty for Frequency range test	7×10^{-8}
Uncertainty for Bandwidth test	83 kHz
Uncertainty for DC power test	0.038 %
Uncertainty for test site temperature and humidity	0.6°C
	3%

3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Oct.31, 11	1 Year
2.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Oct.31, 11	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 12	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May.08, 12	1 Year
5.	Terminator	Hubersuhner	50Ω	No. 2	May.08, 12	1 Year
6.	RF Cable	Fujikura	3D-2W	No.1	May.08, 12	1Year
7.	Coaxial Switch	Anritsu	MP59B	M50564	May.08, 12	1 Year
8.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 12	1 Year

3.2. Block Diagram of Test Setup



■ :50Ω Terminator

3.3. Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4. Configuration of EUT on Test

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

3.4.1. Receiver for PlayStation 3 (EUT)

Model Number : 0000515

Serial Number : N/A

3.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.2.

3.5. Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turn on the power of all equipment.

3.5.3. Let the EUT work in test mode (TX Mode) and measure it.

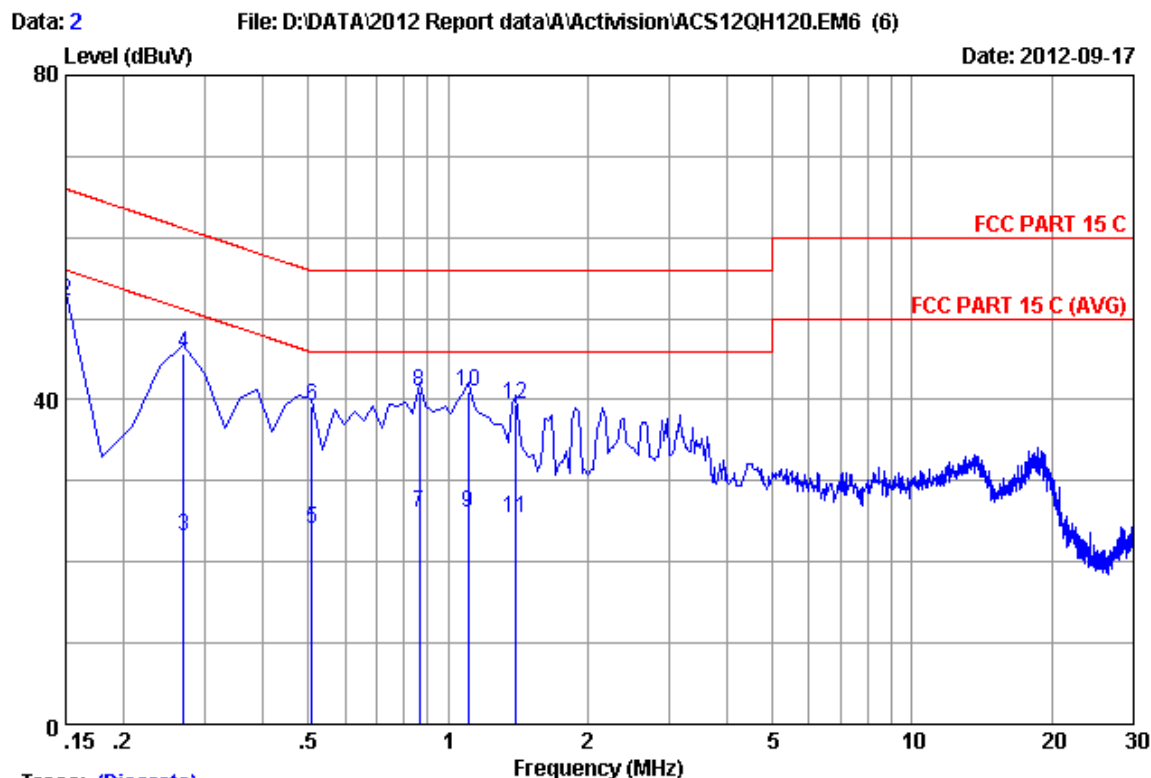
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4-2009 on conducted Emission test.

The bandwidth of test receiver (R&S TEST RECEIVER ESHS10) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked. The test result are reported on Section 3.7.

3.6. Conducted Disturbance at Mains Terminals Test Results

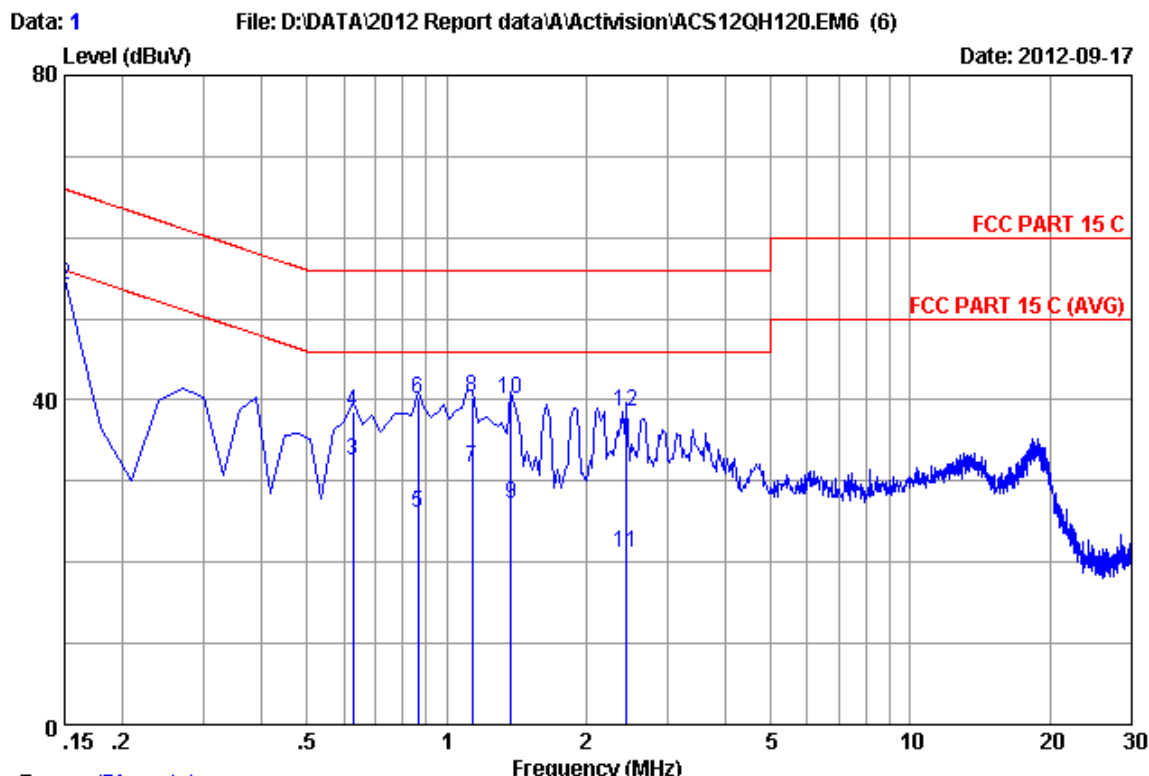
PASS. (All emissions not reported below are too low against the prescribed limits.)


Trace: (Discrete)

Site no :1#conduction Data No :2
 Dis./Ant. **: 2012 ESH2-25 LINE
 Limit :FCC PART 15 C
 Env./Ins. :29.5°C/55% Engineer :Leo_Li
 EUT :Receiver for PlayStation 3
 Power Rating :DC 5V From PS3 Input AC 120V/60Hz
 Test Mode :Tx Mode
 :M/N:0000515
 :

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.17	9.94	28.80	38.91	56.00	17.09	Average
2	0.15000	0.17	9.94	42.05	52.16	66.00	13.84	QP
3	0.26940	0.15	9.95	13.00	23.10	51.14	28.04	Average
4	0.26940	0.15	9.95	35.66	45.76	61.14	15.38	QP
5	0.50820	0.16	9.95	14.00	24.11	46.00	21.89	Average
6	0.50820	0.16	9.95	29.09	39.20	56.00	16.80	QP
7	0.86640	0.17	9.94	16.00	26.11	46.00	19.89	Average
8	0.86640	0.17	9.94	31.00	41.11	56.00	14.89	QP
9	1.105	0.17	9.94	16.00	26.11	46.00	19.89	Average
10	1.105	0.17	9.94	30.97	41.08	56.00	14.92	QP
11	1.404	0.18	9.94	15.20	25.32	46.00	20.68	Average
12	1.404	0.18	9.94	29.40	39.52	56.00	16.48	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
 2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.


Trace: (Discrete)

Site no : 1#conduction Data No : 1
 Dis./Ant. : ** 2012 ESH2-25 NEUTRAL
 Limit : FCC PART 15 C
 Env./Ins. : 29.5°C/55% Engineer : Leo_Li
 EUT : Receiver for PlayStation 3
 Power Rating : DC 5V From PS3 Input AC 120V/60Hz
 Test Mode : Tx Mode
 : M/N:0000515
 :

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.14	9.94	30.01	40.09	56.00	15.91	Average
2	0.15000	0.14	9.94	44.01	54.09	66.00	11.91	QP
3	0.62760	0.16	9.95	22.49	32.60	46.00	13.40	Average
4	0.62760	0.16	9.95	28.49	38.60	56.00	17.40	QP
5	0.86640	0.17	9.94	16.00	26.11	46.00	19.89	Average
6	0.86640	0.17	9.94	29.96	40.07	56.00	15.93	QP
7	1.135	0.18	9.94	21.59	31.71	46.00	14.29	Average
8	1.135	0.18	9.94	30.16	40.28	56.00	15.72	QP
9	1.374	0.18	9.94	17.10	27.22	46.00	18.78	Average
10	1.374	0.18	9.94	29.99	40.11	56.00	15.89	QP
11	2.448	0.21	9.94	11.00	21.15	46.00	24.85	Average
12	2.448	0.21	9.94	28.47	38.62	56.00	17.38	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.

2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

4. RADIATED EMISSION TEST

4.1. Test Equipment

4.1.1. For frequency range 30MHz~1000MHz (At Anechoic Chamber)

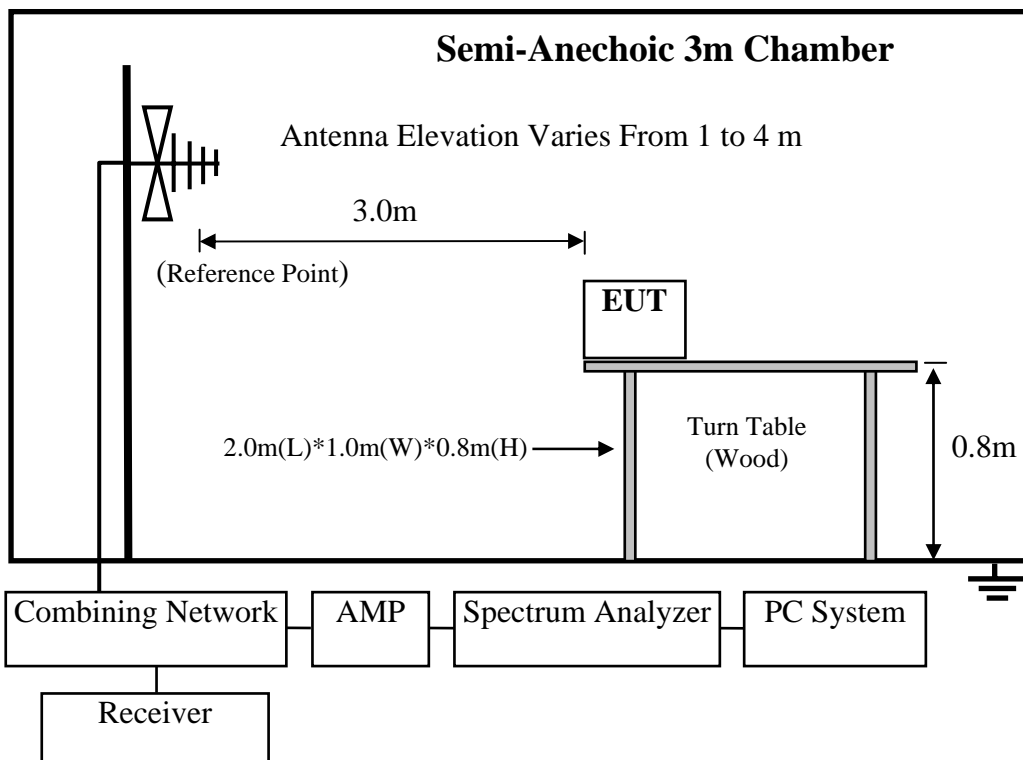
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Nov.28,11	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 12	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 12	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 12	1 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Oct.26, 10	2.0 Year
6	RF Cable	MIYAZAKI	CFD400-NL	3# Chamber No.1	May.08, 12	1 Year
7	Coaxial Switch	Anritsu	MP59B	M74389	May.08, 12	1 Year

4.1.2. For frequency range 1GHz~25GHz (At Anechoic Chamber)

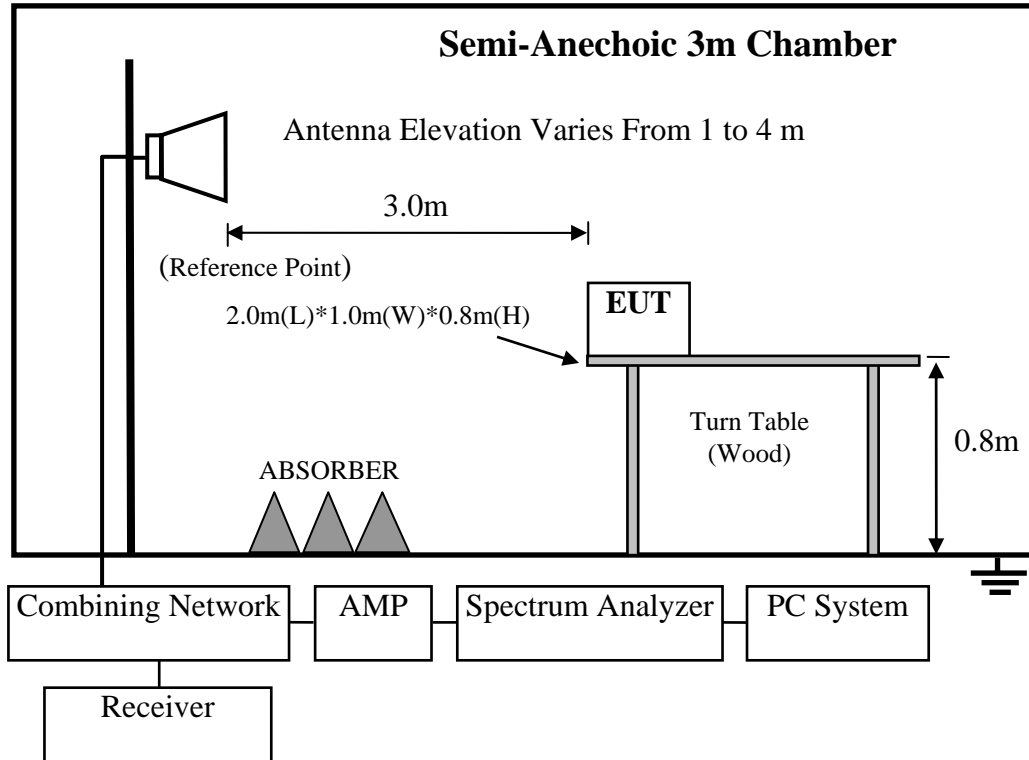
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 12	1 Year
2	Horn Antenna	EMCO	3115	9510-4580	June.05, 12	1 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 12	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX106	77980/6	May.08, 12	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX106	77977/6	May.08, 12	1 Year
6	Horn Antenna	EMCO	3116	00060089	May.08, 12	1.5 Year

4.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-25GHz



4.3. Radiated Emission Limit

4.3.1. FCC 15.209 and 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
Above 1000MHz	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	
Field Strength of fundamental emissions for 2.4GHz-2.4835GHz	3	114.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 94.0 $\text{dB}(\mu\text{V})/\text{m}$ (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) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

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.

4.5.Operating Condition of EUT

4.5.1. Setup the EUT and simulator as shown as Section 4.2.

4.5.2. Turned on the power of all equipment.

4.5.3. Let EUT work in Tx mode.

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 C63.10-2009 on radiated emission Test.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's RBW is set at 1MHz and VBW is set at 3MHz for peak emissions measurement above 1GHz

This device is pulse modulated, a duty cycle factor was used to calculate average level based measured peak level.

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

4.7. Radiated Emission Test Results

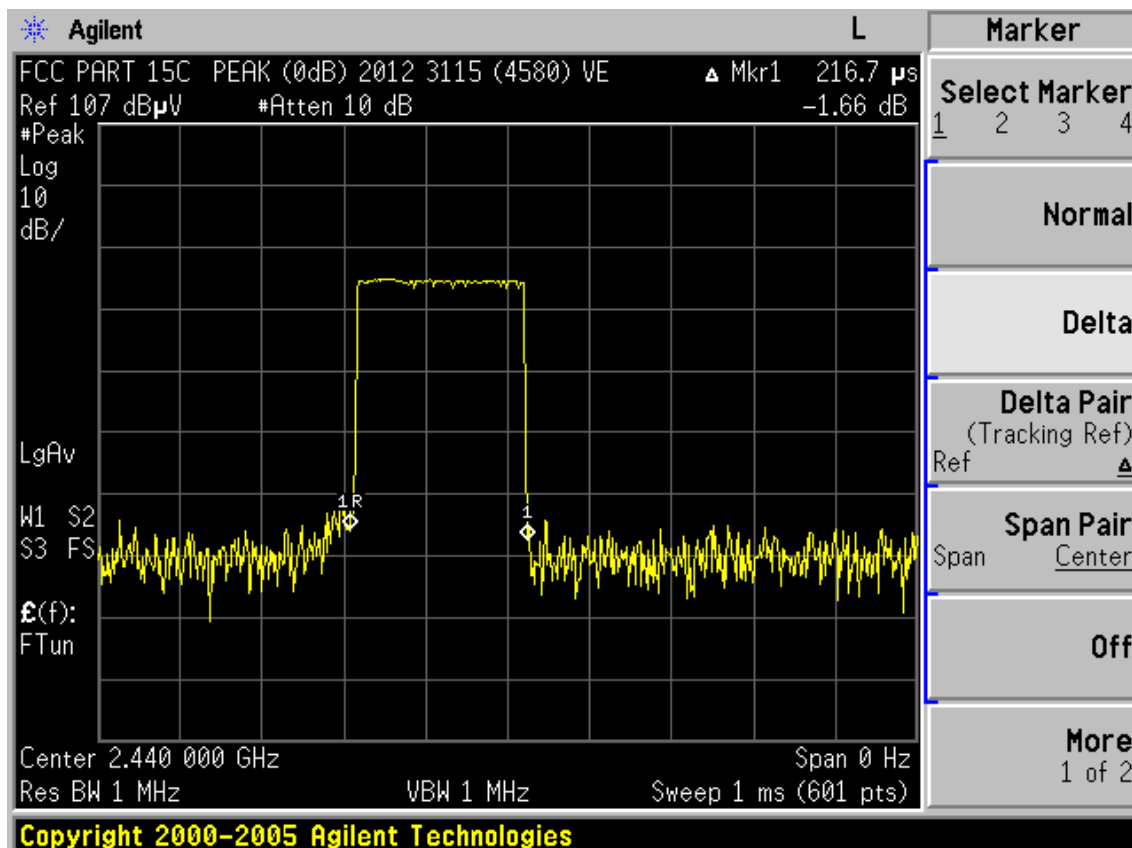
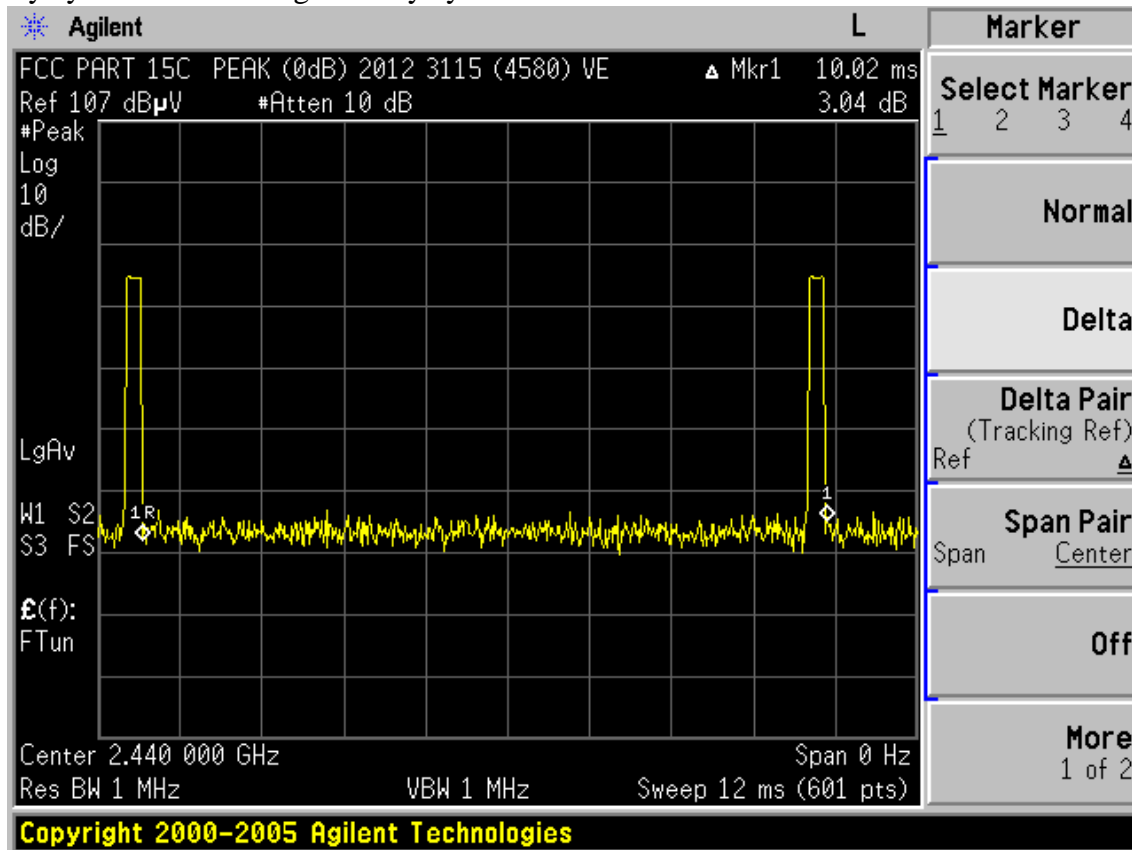
PASS.

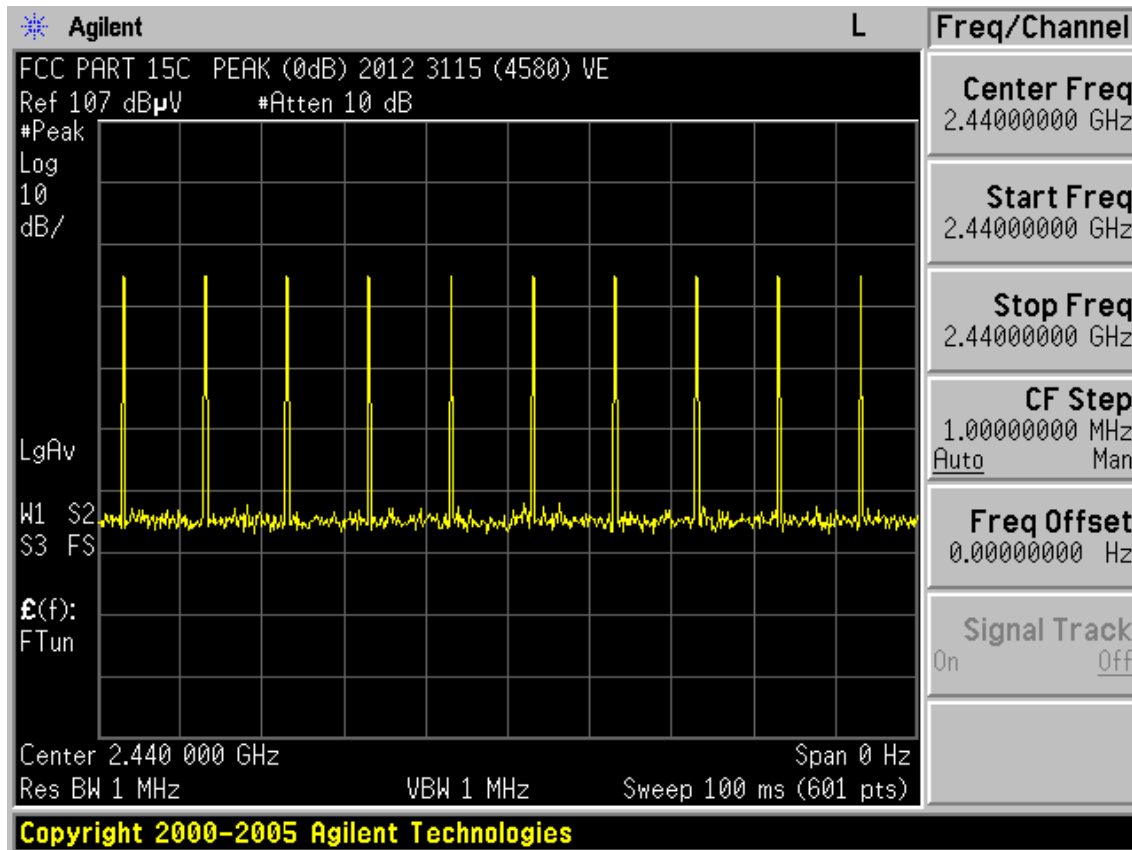
All the emissions from 30MHz to 25GHz were comply with the 15.209 Limit.

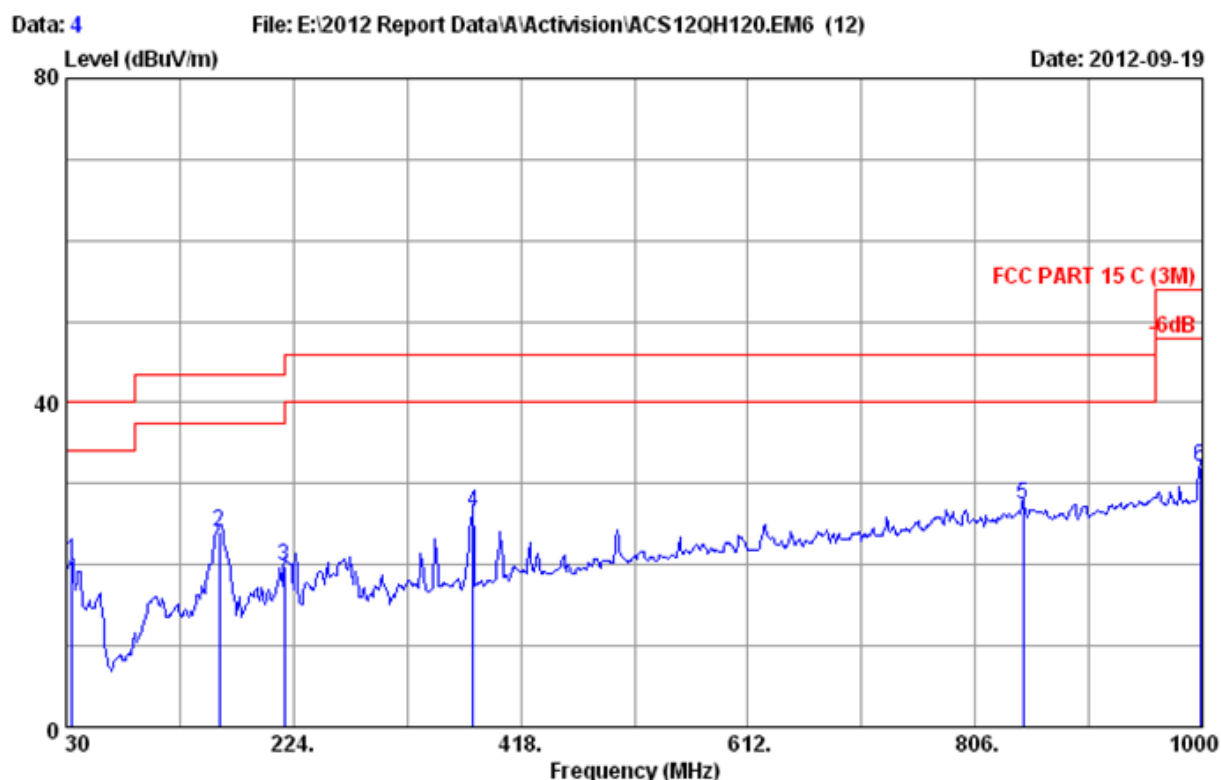
Note: The duty cycle factor for calculate average level is 33.30dB, and average limit is 20dB below peak limit, so if peak measured level comply with peak limit, the average level was deemed to comply with average limit.

Duty cycle: $0.2167\text{ms} \times 1\text{times} / 10.02\text{ms} \times 100\% = 2.16\%$

Duty cycle factor = $20\log (1/\text{duty cycle}) = 33.30\text{dB}$



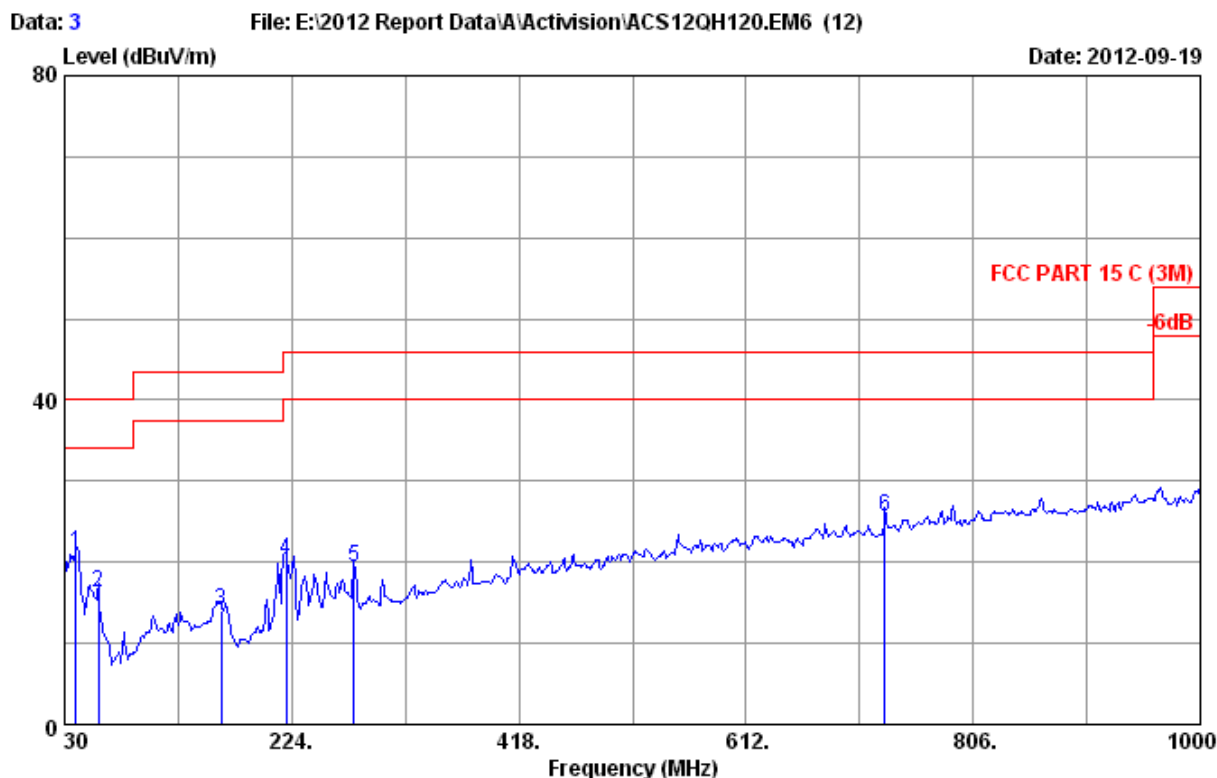


Frequency: 30MHz~1GHz


Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2012 CBL6111C 2598 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo_Li
 EUT : Receiver for PlayStation3
 Power rating : DC 5V From PS3 Input AC 120V/60Hz
 Test Mode : Tx Mode
 M/N:0000515

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	34.850	16.01	0.51	4.08	20.60	40.00	19.40	QP
2	160.950	10.42	0.99	12.57	23.98	43.50	19.52	QP
3	216.240	9.75	1.11	9.07	19.93	46.00	26.07	QP
4	377.260	15.95	1.50	8.97	26.42	46.00	19.58	QP
5	846.740	23.25	2.75	1.35	27.35	46.00	18.65	QP
6	998.060	24.94	2.91	4.18	32.03	54.00	21.97	QP

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



Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2012 CBL6111C 2598 Ant. pol. : VERTICAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo_Li
 EUT : Receiver for PlayStation3
 Power rating : DC 5V From PS3 Input AC 120V/60Hz
 Test Mode : Tx Mode
 M/N:0000515

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	39.700	13.43	0.51	7.13	21.07	40.00	18.93	QP
2	59.100	5.66	0.66	9.97	16.29	40.00	23.71	QP
3	163.860	10.24	0.99	2.90	14.13	43.50	29.37	QP
4	219.150	9.97	1.11	9.29	20.37	46.00	25.63	QP
5	277.350	13.21	1.23	4.88	19.32	46.00	26.68	QP
6	730.340	21.80	2.50	1.41	25.71	46.00	20.29	QP

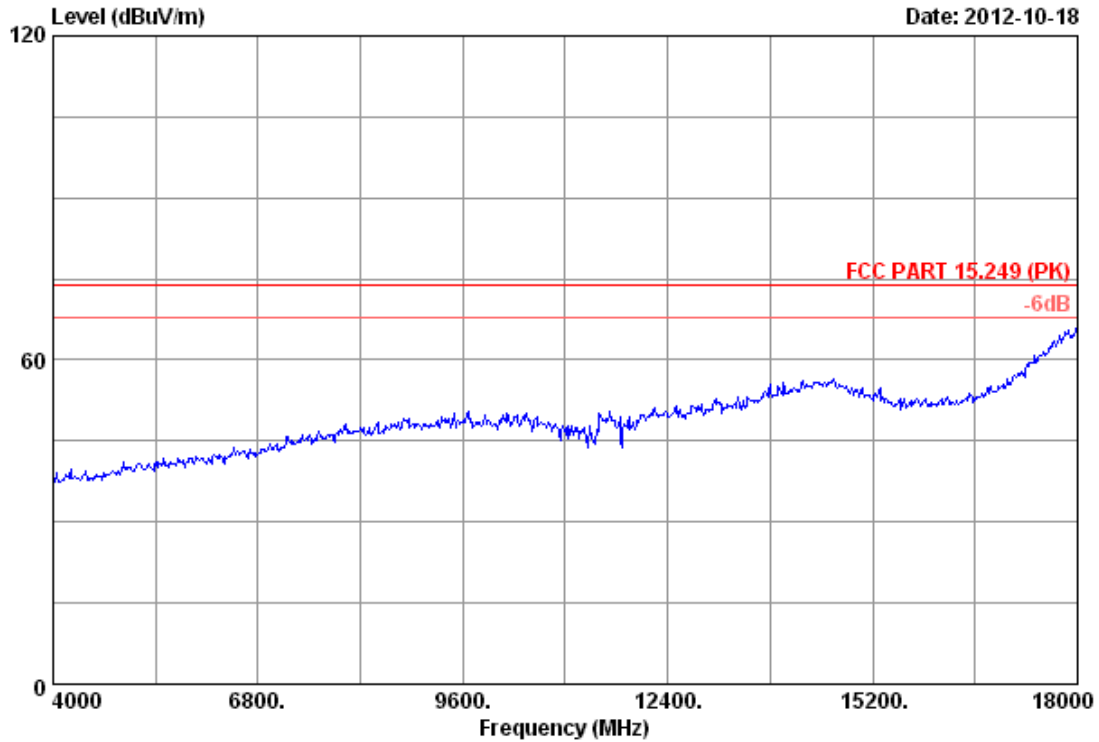
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Frequency: 1GHz~18GHz

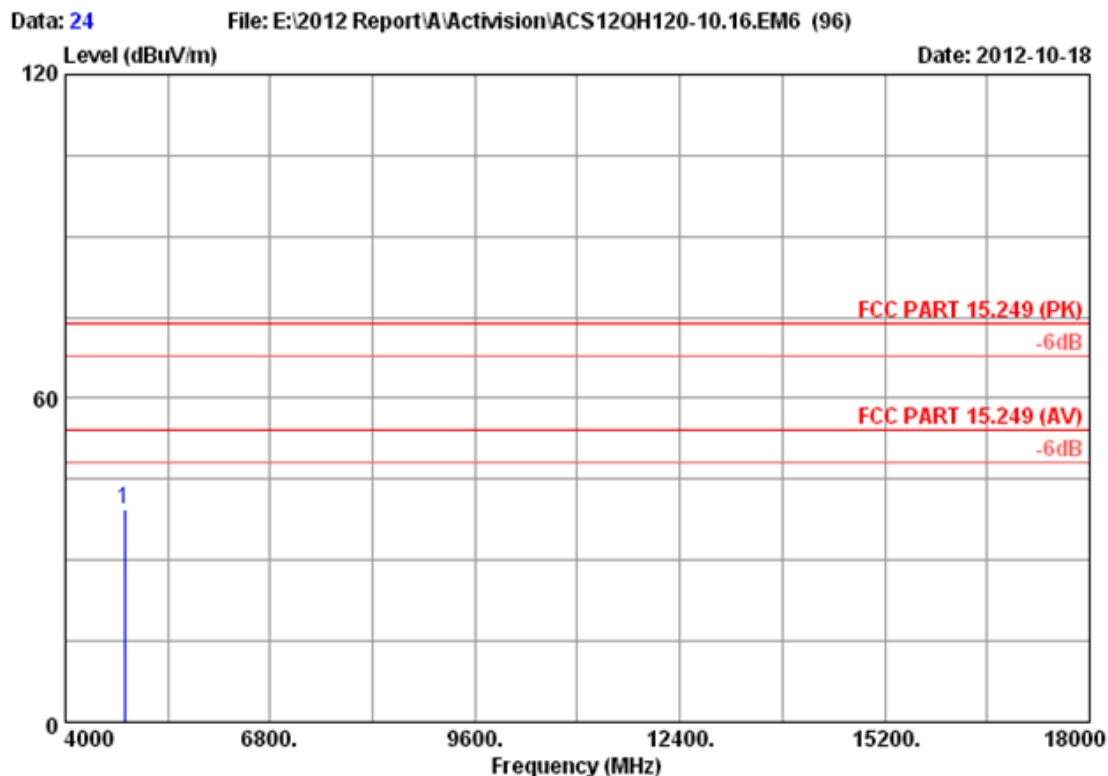
Data: 23

File: E:\2012 Report\A\Activision\ACS12QH120-10.16.EM6 (96)

Date: 2012-10-18



Site no.	: 3m Chamber	Data no.	: 23
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15.249 (PK)		
Env. / Ins.	: 23°C/54%	Engineer	: Tony-Yan
EUT	: Receiver for PlayStation 3		
Power supply	: DC 5V From PS3 Input AC120V/60Hz		
Test mode	: Tx Mode 2403MHz		
M/N	: 0000515		

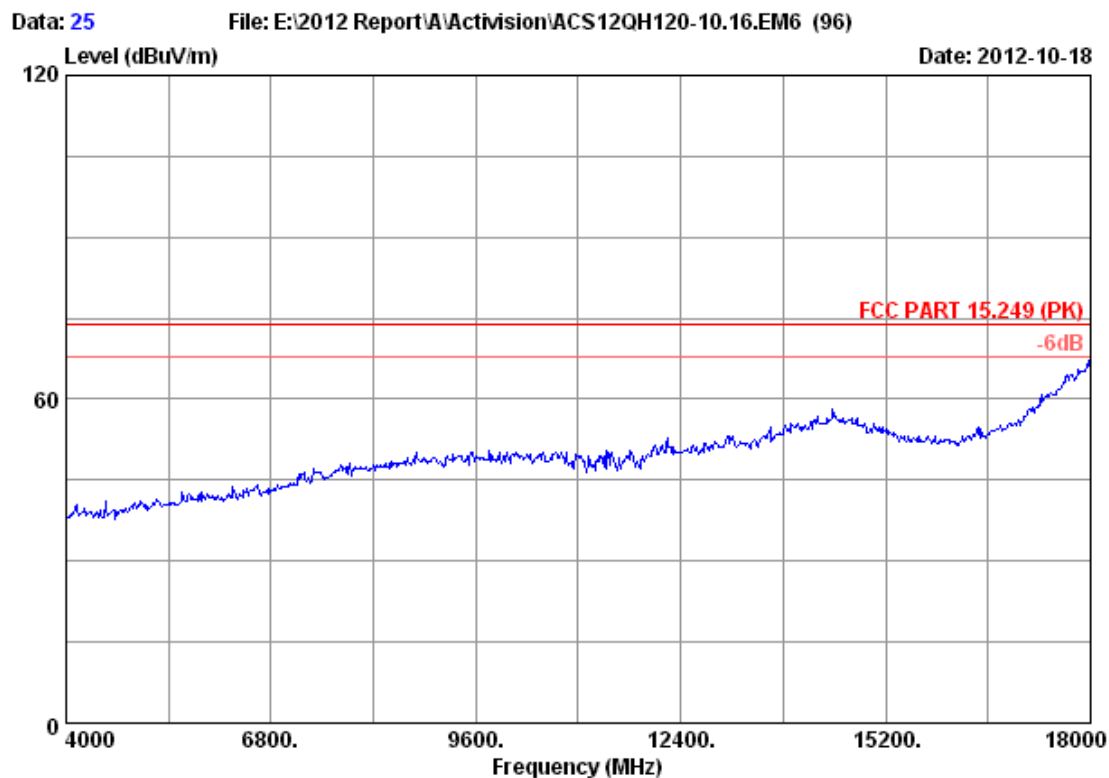


Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2403MHz
 M/N : 0000515

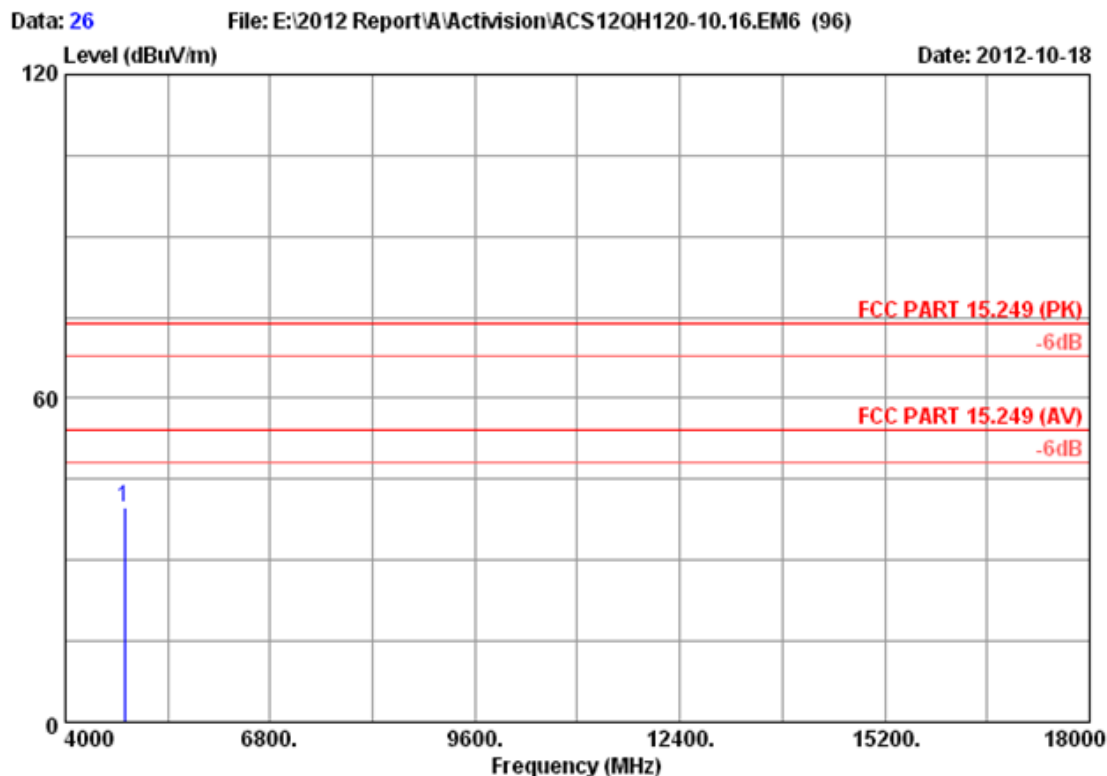
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4806.000	32.47	8.67	35.72	34.03	39.45	74.00	34.55	Peak

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.



Site no.	: 3m Chamber	Data no.	: 25
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15.249 (PK)		
Env. / Ins.	: 23°C/54%	Engineer	: Tony-Yan
EUT	: Receiver for PlayStation 3		
Power supply	: DC 5V From PS3 Input AC120V/60Hz		
Test mode	: Tx Mode 2403MHz		
M/N	: 0000515		

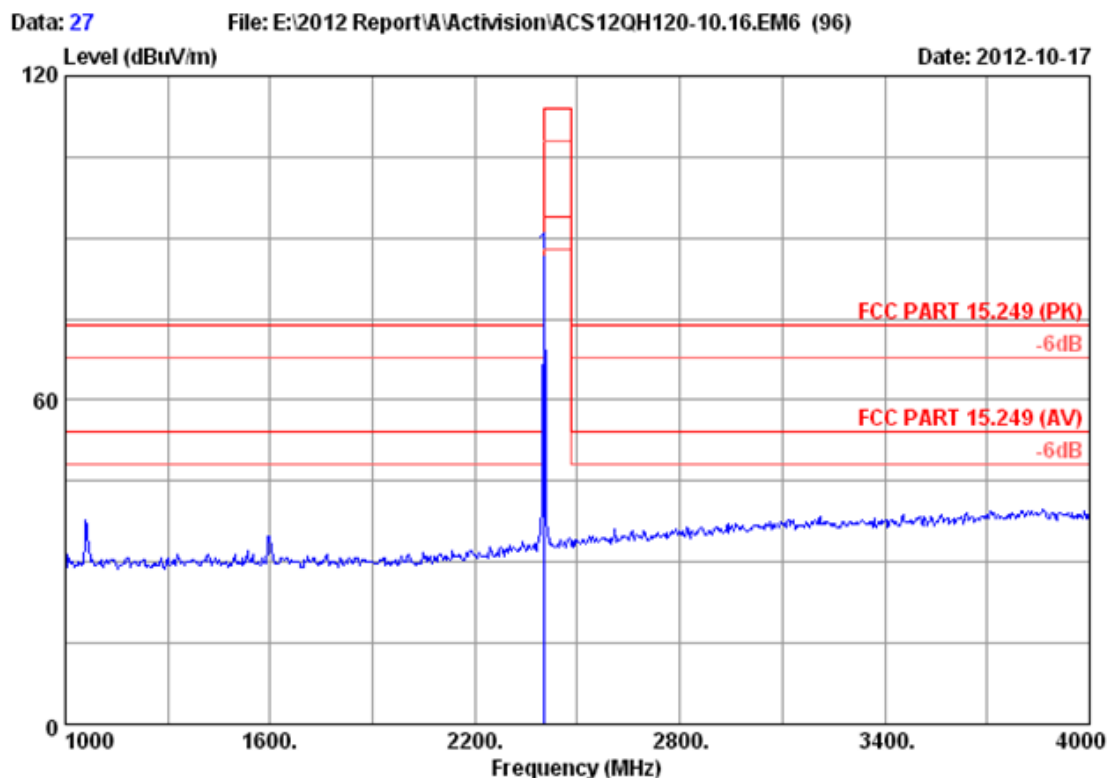


Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2403MHz
 M/N : 0000515

	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	4806.000	32.47	8.67	35.72	34.30	39.72	74.00	34.28	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.

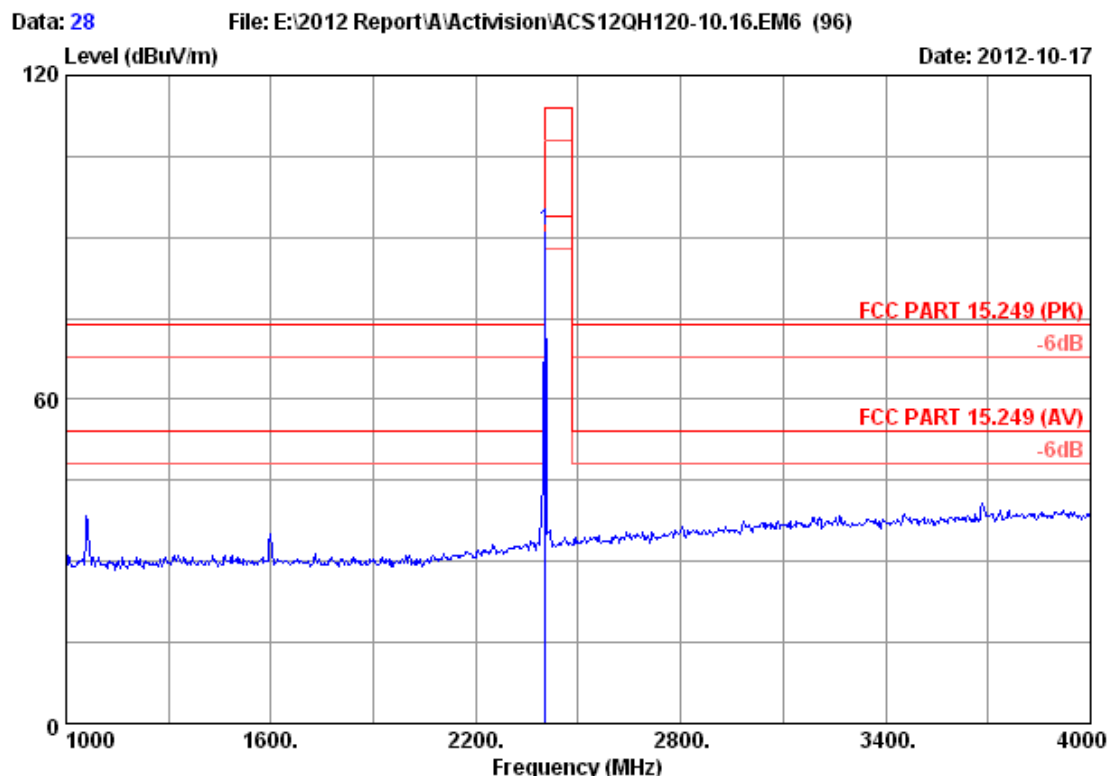


Site no. : 3m Chamber Data no. : 27
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2403MHz
 M/N : 0000515

	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	2403.000	26.78	6.02	35.92	90.13	87.01	114.00	26.99	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.

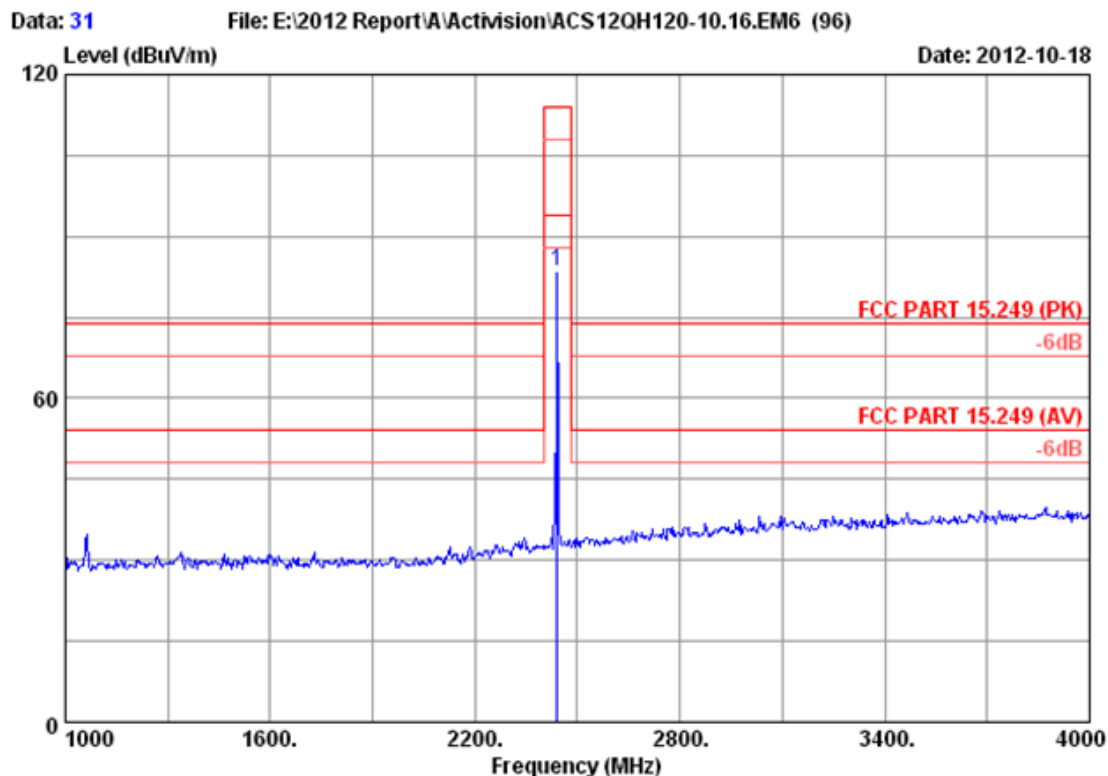


Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2403MHz
 M/N : 0000515

	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	2403.000	26.78	6.02	35.92	94.25	91.13	114.00	22.87	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.

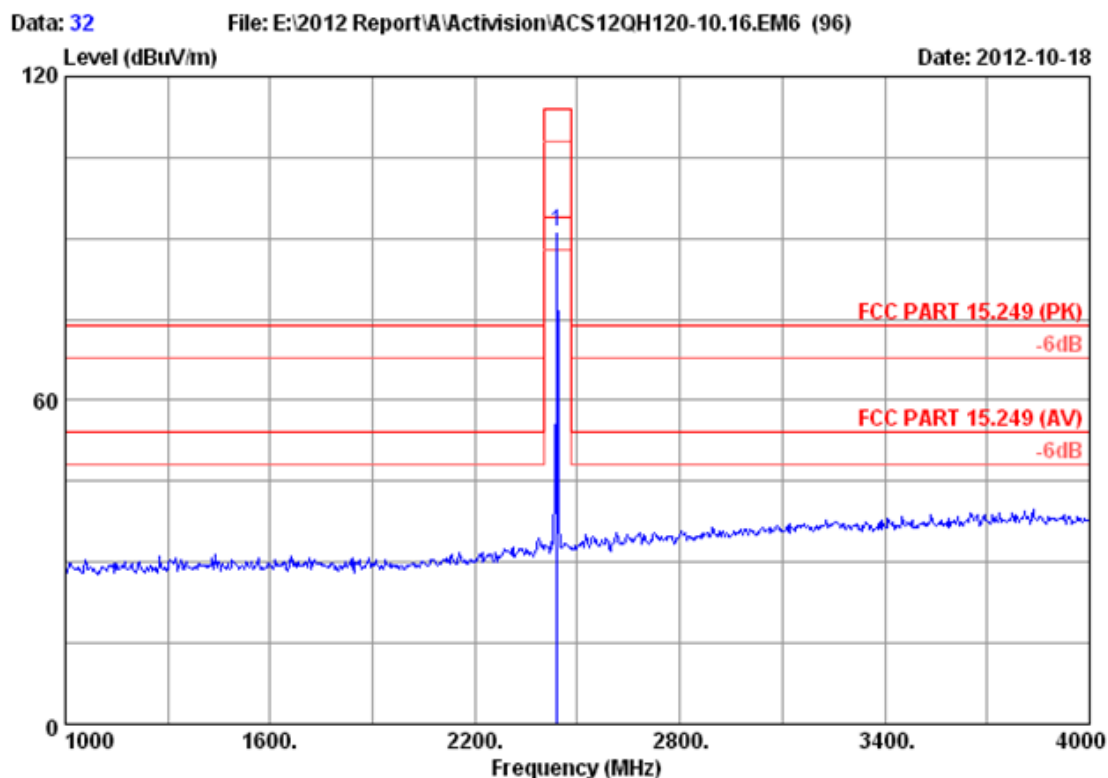


Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2440MHz
 M/N : 0000515

	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	2440.000	27.02	6.09	35.92	86.34	83.53	114.00	30.47	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.

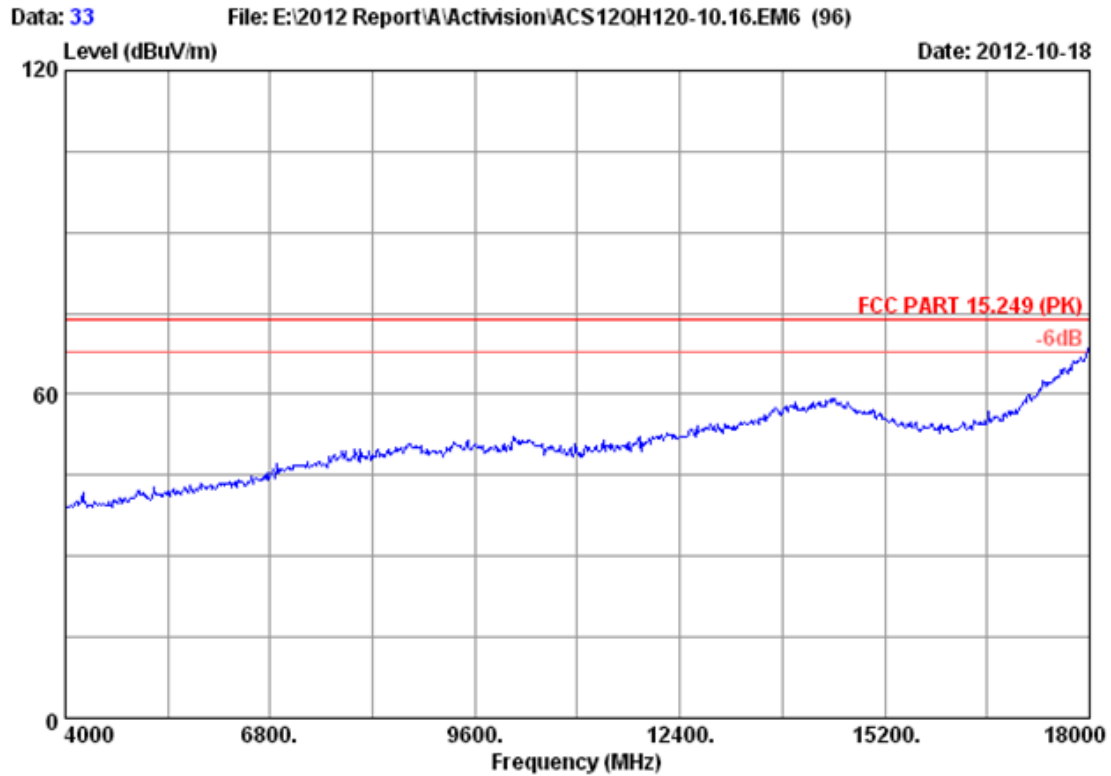


Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2440MHz
 M/N : 0000515

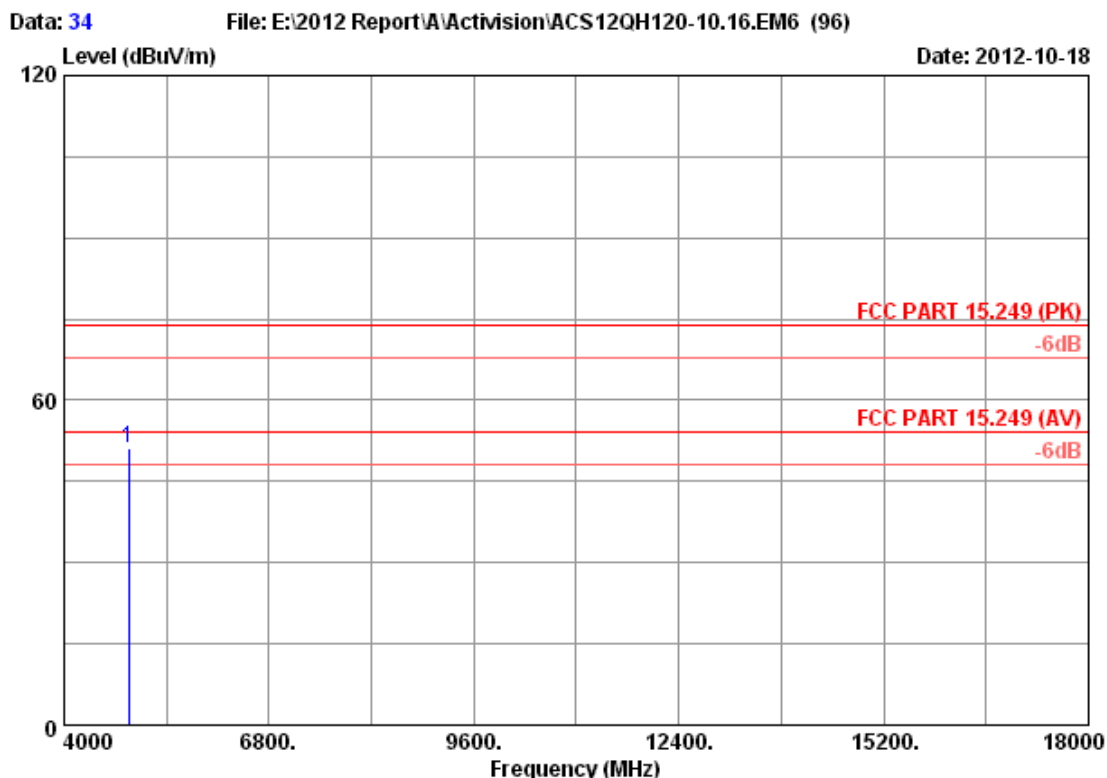
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.000	27.02	6.09	35.92	94.17	91.36	114.00	22.64	Peak

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.



Site no.	: 3m Chamber	Data no.	: 33
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15.249 (PK)		
Env. / Ins.	: 23°C/54%	Engineer	: Tony-Yan
EUT	: Receiver for PlayStation 3		
Power supply	: DC 5V From PS3 Input AC120V/60Hz		
Test mode	: Tx Mode 2440MHz		
M/N	: 0000515		

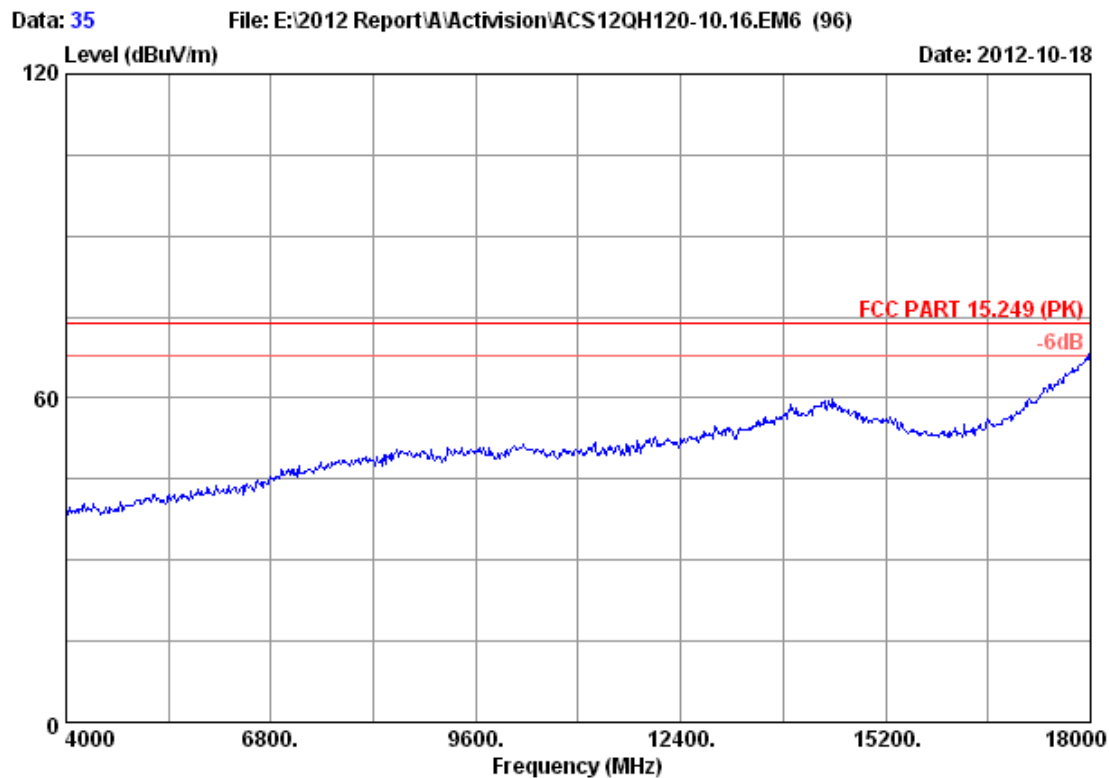


Site no. : 3m Chamber Data no. : 34
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2440MHz
 M/N : 0000515

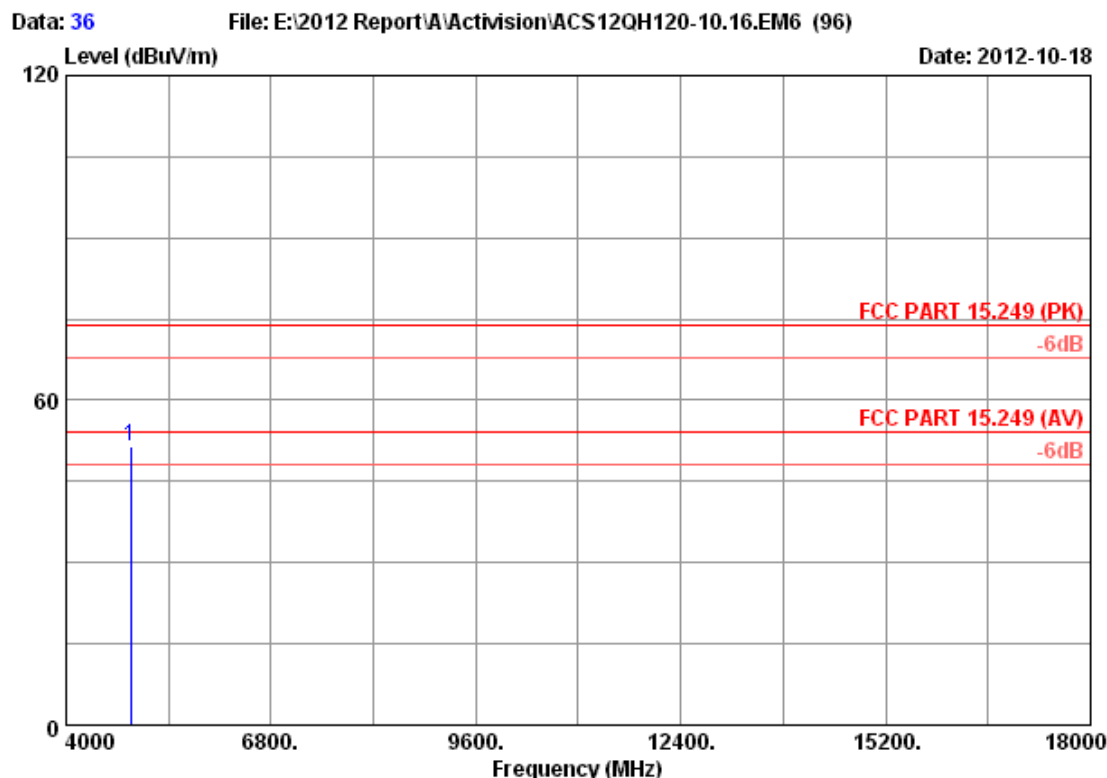
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4880.000	32.64	8.74	35.69	45.56	51.25	74.00	22.75	Peak	

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.



Site no.	: 3m Chamber	Data no.	: 35
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15.249 (PK)		
Env. / Ins.	: 23°C/54%	Engineer	: Tony-Yan
EUT	: Receiver for PlayStation 3		
Power supply	: DC 5V From PS3 Input AC120V/60Hz		
Test mode	: Tx Mode 2440MHz		
M/N	: 0000515		

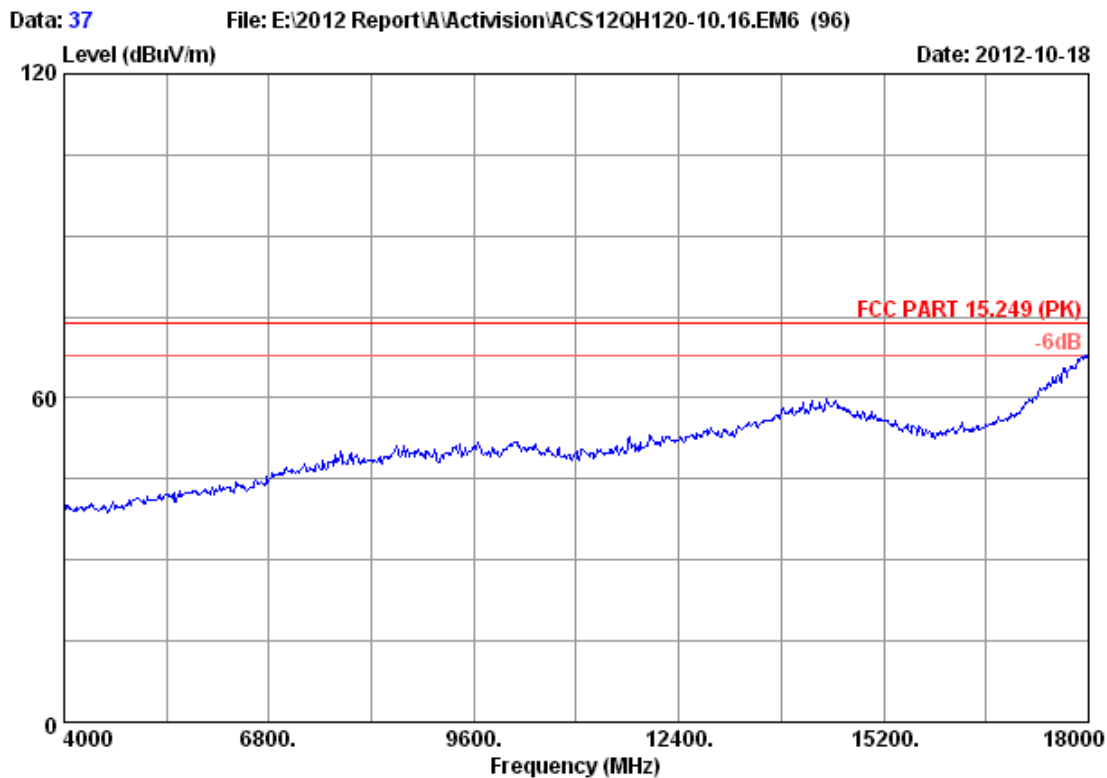


Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2440MHz
 M/N : 0000515

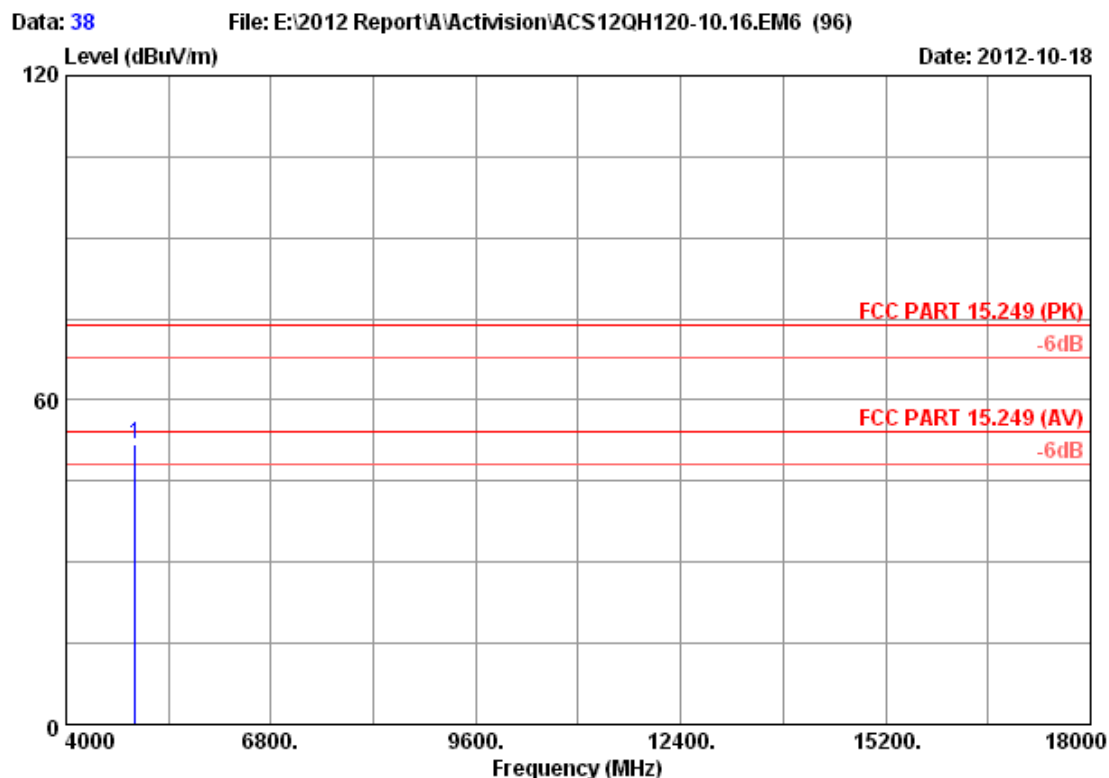
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4880.000	32.64	8.74	35.69	45.90	51.59	74.00	22.41	Peak

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.



Site no.	: 3m Chamber	Data no.	: 37
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15.249 (PK)		
Env. / Ins.	: 23°C/54%	Engineer	: Tony-Yan
EUT	: Receiver for PlayStation 3		
Power supply	: DC 5V From PS3 Input AC120V/60Hz		
Test mode	: Tx Mode 2475MHz		
M/N	: 0000515		

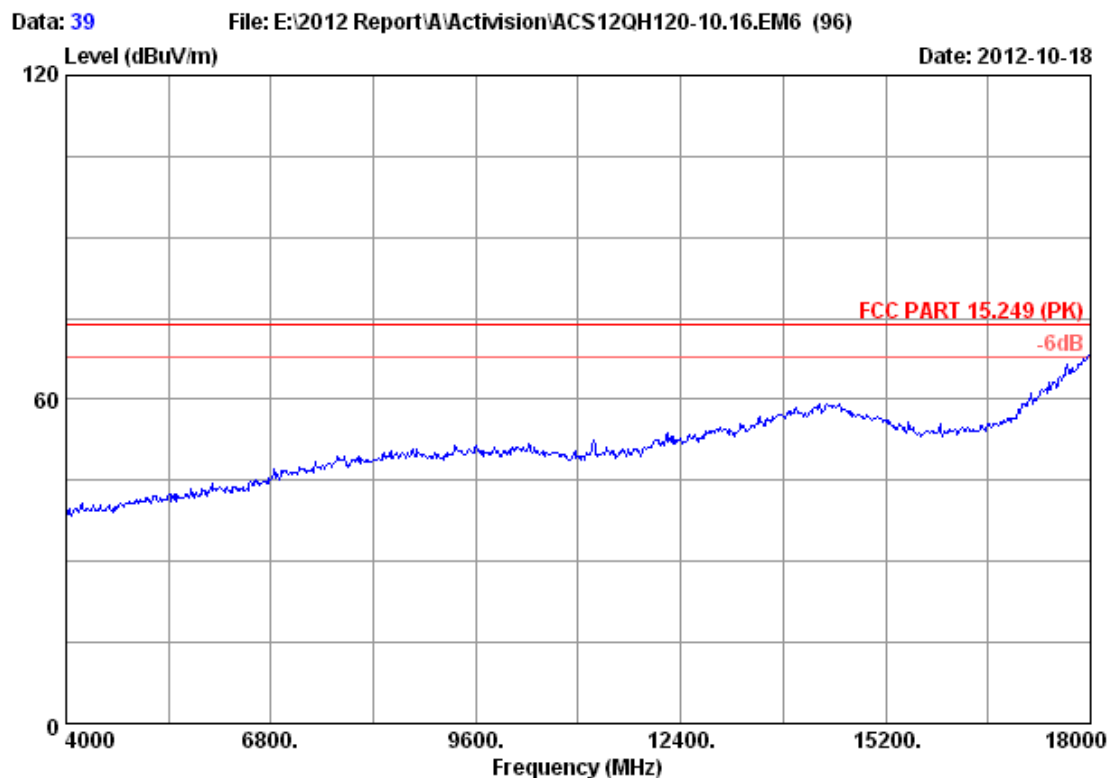


Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2475MHz
 M/N : 0000515

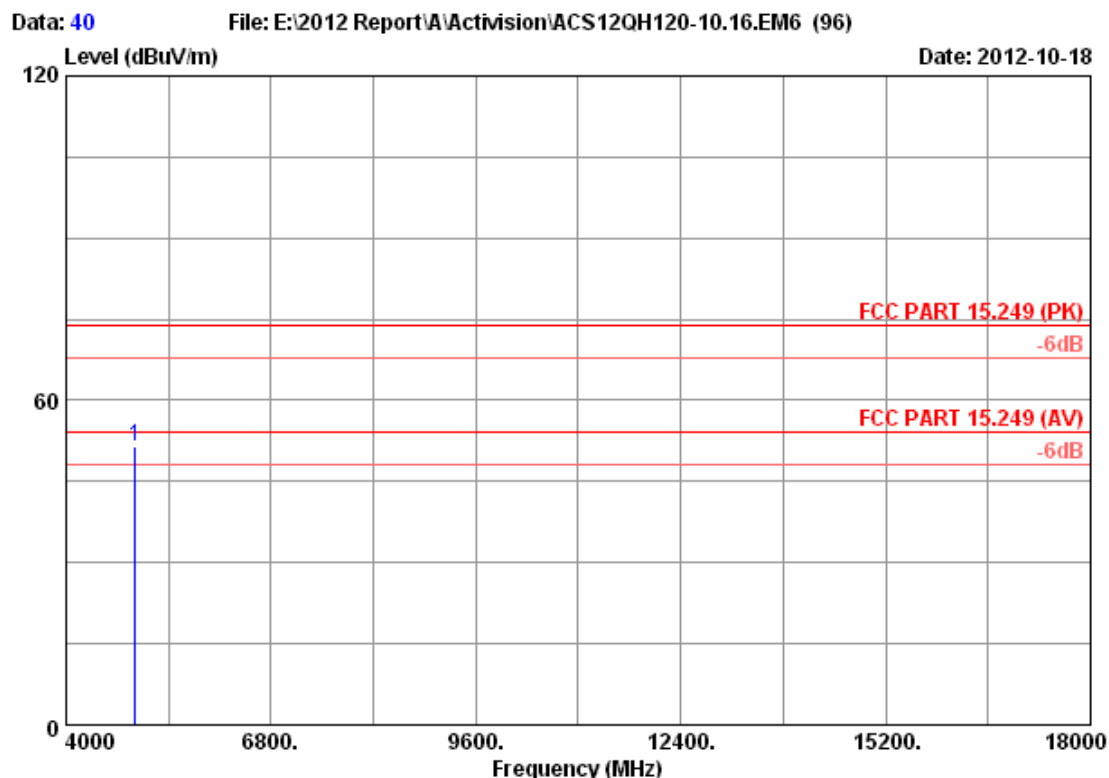
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4950.000	32.79	8.80	35.67	46.04	51.96	74.00	22.04	Peak

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.



Site no.	: 3m Chamber	Data no.	: 39
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15.249 (PK)		
Env. / Ins.	: 23°C/54%	Engineer	: Tony-Yan
EUT	: Receiver for PlayStation 3		
Power supply	: DC 5V From PS3 Input AC120V/60Hz		
Test mode	: Tx Mode 2475MHz		
M/N	: 0000515		

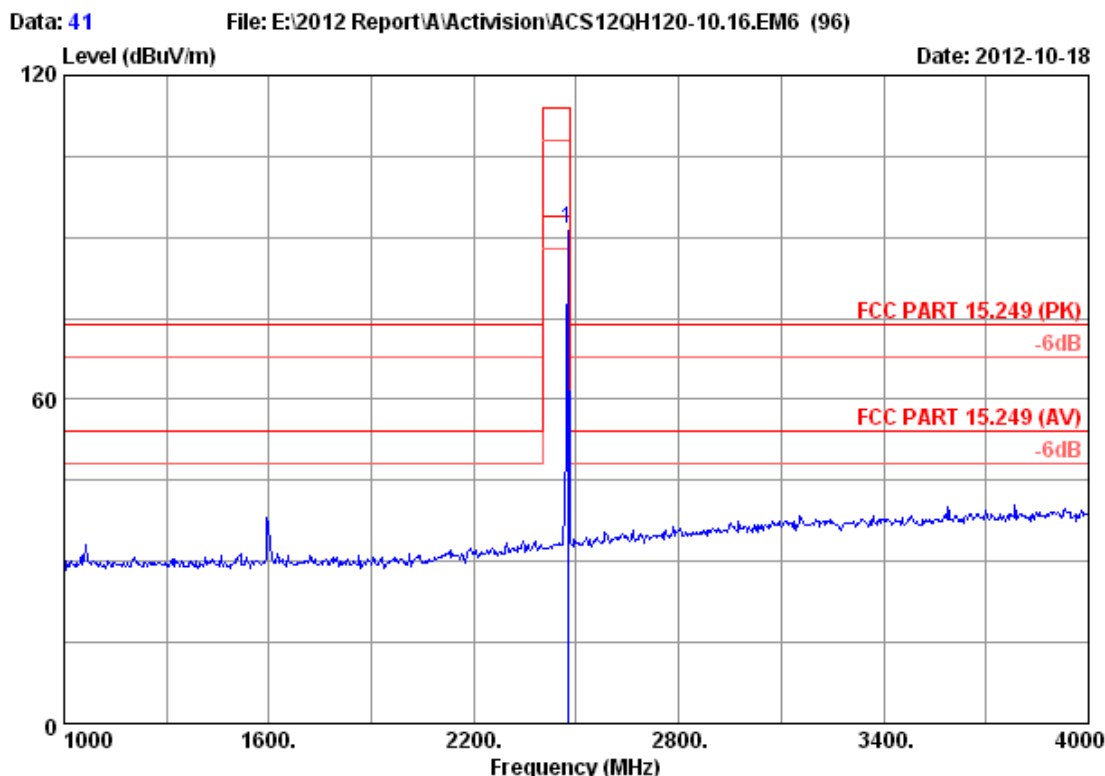


Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2475MHz
 M/N : 0000515

	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	4950.000	32.79	8.80	35.67	45.54	51.46	74.00	22.54	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.

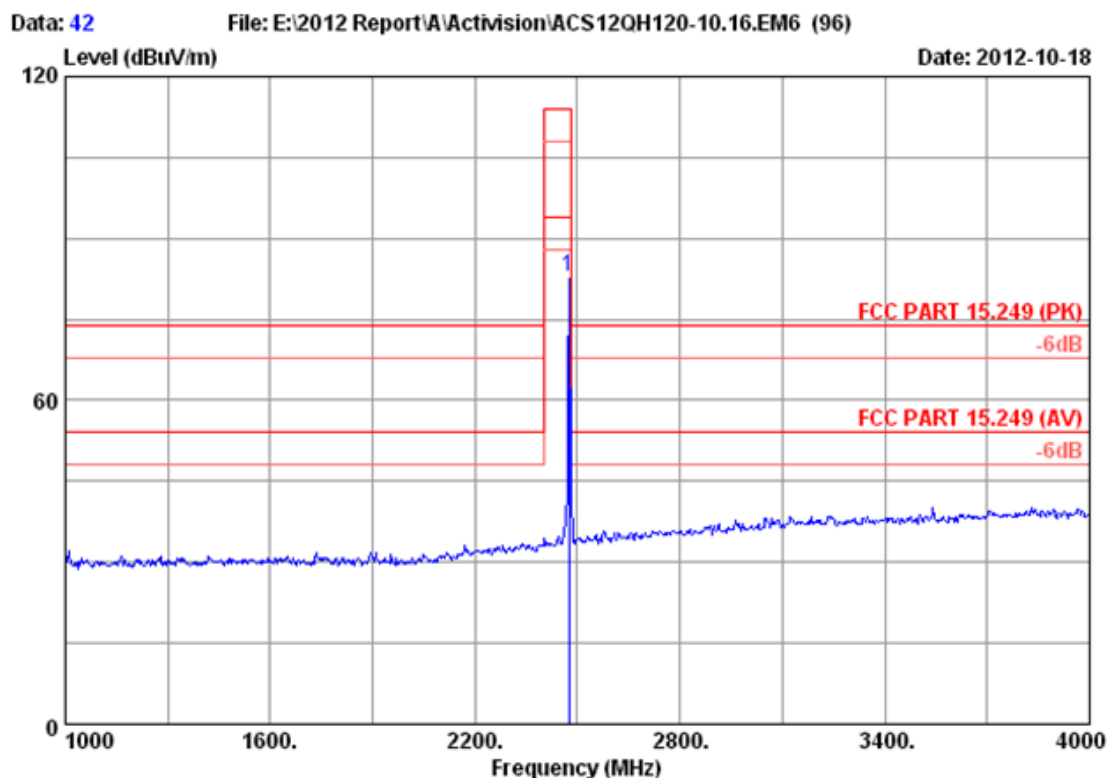


Site no. : 3m Chamber Data no. : 41
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2475MHz
 M/N : 0000515

	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	2475.000	27.24	6.14	35.92	94.20	91.66	114.00	22.34	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.



Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2475MHz
 M/N : 0000515

	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	2476.000	27.25	6.15	35.92	85.28	82.76	114.00	31.24	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.

5. BAND EDGE COMPLIANCE TEST

5.1. Test Equipment

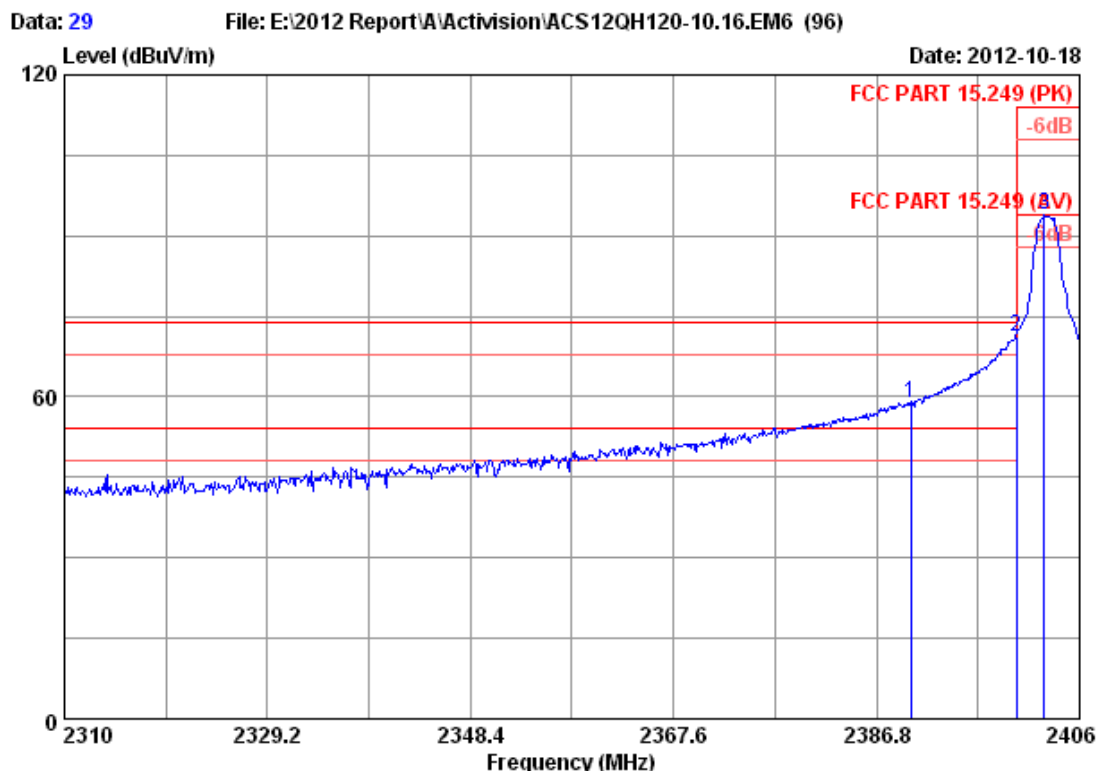
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	May.08, 12	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 12	1 Year

5.2. Limit

All the lower and upper band-edges emissions should comply with the radiated emission limit 15.209.

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=1MHz ;VBW=3MHz, PK detector, Sweep=AUTO
 - (b) This device is pulse modulated, a duty cycle factor was used to calculate average level based measured peak level



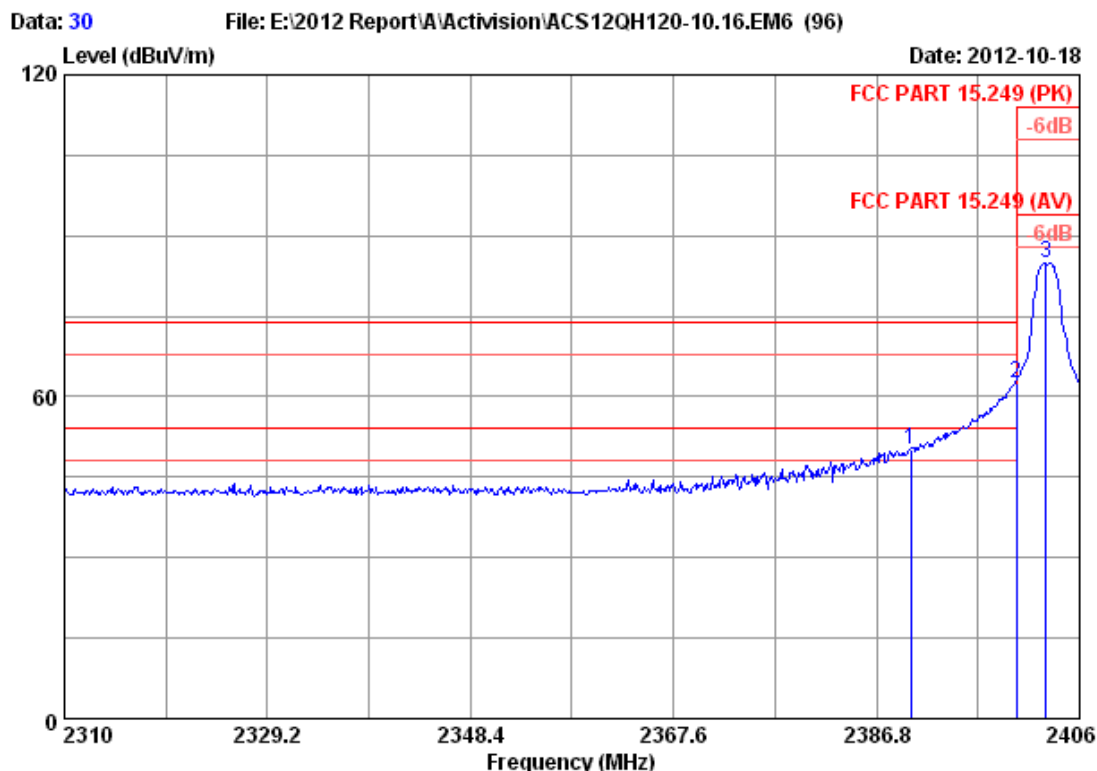
Site no. : 3m Chamber Data no. : 29
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2403MHz
 M/N : 0000515

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2390.000	26.70	6.00	35.92	61.89	58.67	74.00	15.33	Peak	
2 2400.000	26.76	6.02	35.92	74.49	71.35	74.00	2.65	Peak	
3 2402.640	26.78	6.02	35.92	96.88	93.76	114.00	20.24	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.

Frequency (MHz)	Peak level (dBuV/m)	Duty cycle factor (dB)	AV level (dBuV/m)	Limit(dBuV/m)	Conclusion
2390	58.67	33.30	25.37	54	Pass
2400	71.35	33.30	38.05	54	Pass



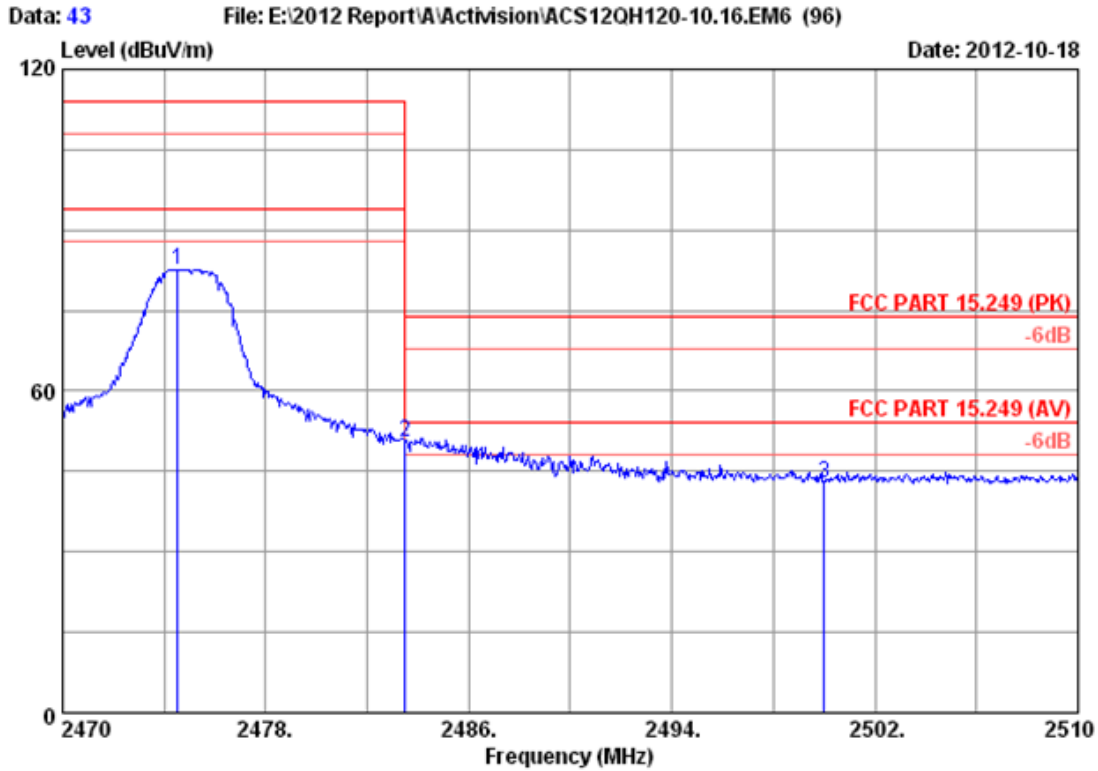
Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2403MHz
 M/N : 0000515

	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	2390.000	26.70	6.00	35.92	53.29	50.07	74.00	23.93	Peak
2	2400.000	26.76	6.02	35.92	65.64	62.50	74.00	11.50	Peak
3	2402.832	26.78	6.02	35.92	88.07	84.95	114.00	29.05	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.

Frequency (MHz)	Peak level (dBuV/m)	Duty cycle factor (dB)	AV level (dBuV/m)	Limit(dBuV/m)	Conclusion
2400	62.50	33.30	29.20	54	Pass

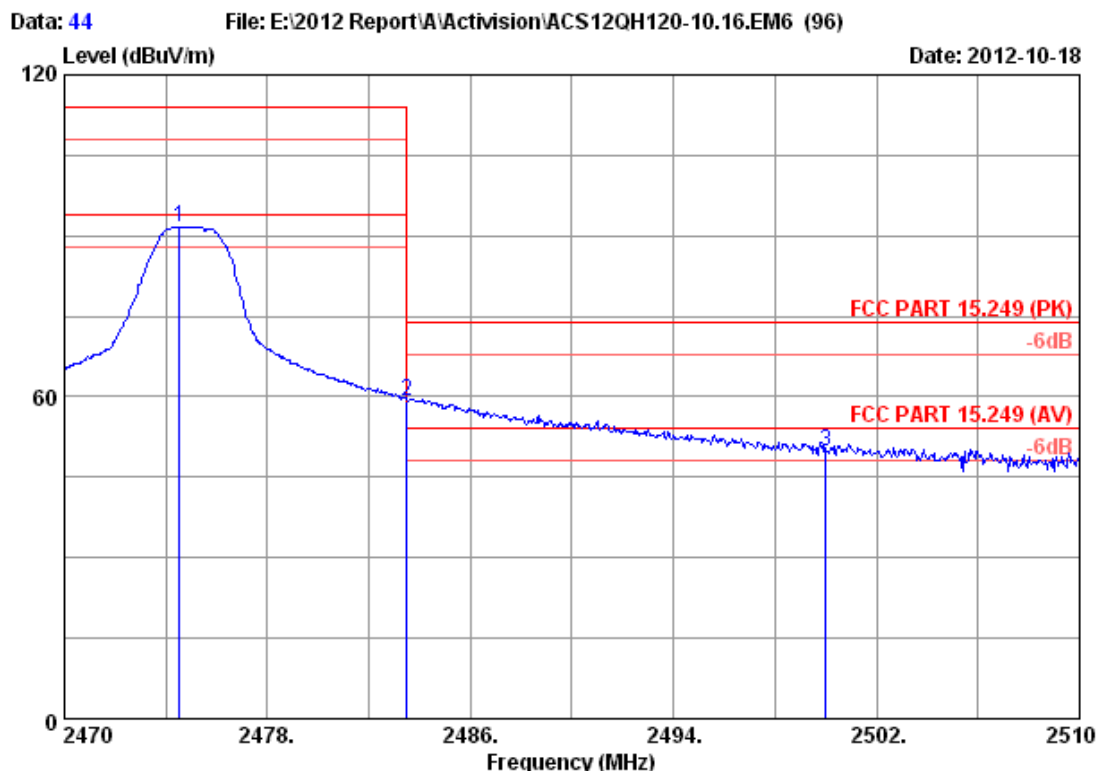


Site no. : 3m Chamber Data no. : 43
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2475MHz
 M/N : 0000515

	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	2474.520	27.24	6.14	35.92	85.25	82.71	114.00	31.29	Peak
2	2483.500	27.29	6.16	35.92	53.06	50.59	74.00	23.41	Peak
3	2500.000	27.40	6.19	35.93	45.19	42.85	74.00	31.15	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.



Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15.249 (PK)
 Env. / Ins. : 23°C/54% Engineer : Tony-Yan
 EUT : Receiver for PlayStation 3
 Power supply : DC 5V From PS3 Input AC120V/60Hz
 Test mode : Tx Mode 2475MHz
 M/N : 0000515

	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	2474.520	27.24	6.14	35.92	94.21	91.67	114.00	22.33	Peak
2	2483.500	27.29	6.16	35.92	61.57	59.10	74.00	14.90	Peak
3	2500.000	27.40	6.19	35.93	52.17	49.83	74.00	24.17	Peak

Remarks:

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

Frequency (MHz)	Peak level (dBuV/m)	Duty cycle factor (dB)	AV level (dBuV/m)	Limit(dBuV/m)	Conclusion
2483.5	59.10	33.30	25.80	54	Pass

6. 20 DB BANDWIDTH TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 12	1 Year

6.2. Limit

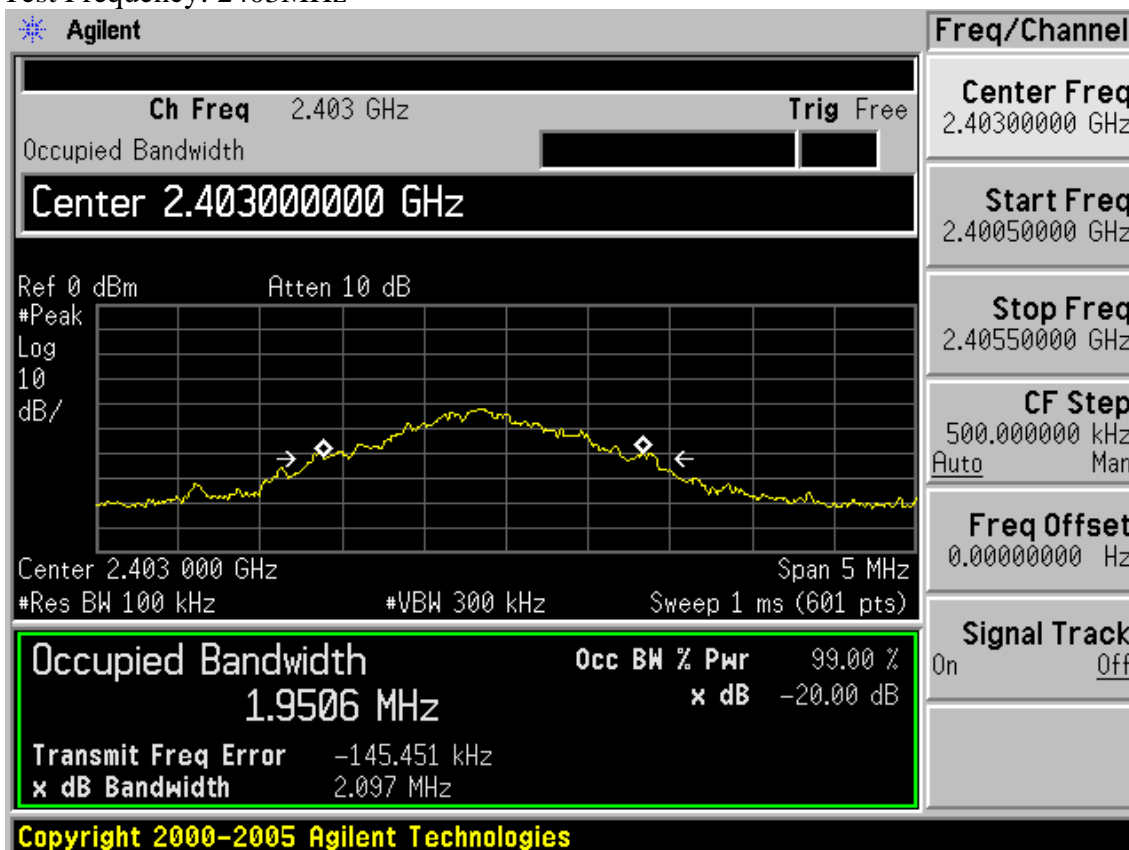
The transmitter shall be operated at its maximum carrier power measured under normal test conditions. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts. The resolution bandwidth shall be set to as close to 1% of the selected span as is possible without being below 1%. The video bandwidth shall be set to 3 times the resolution bandwidth.

6.3. Test Results

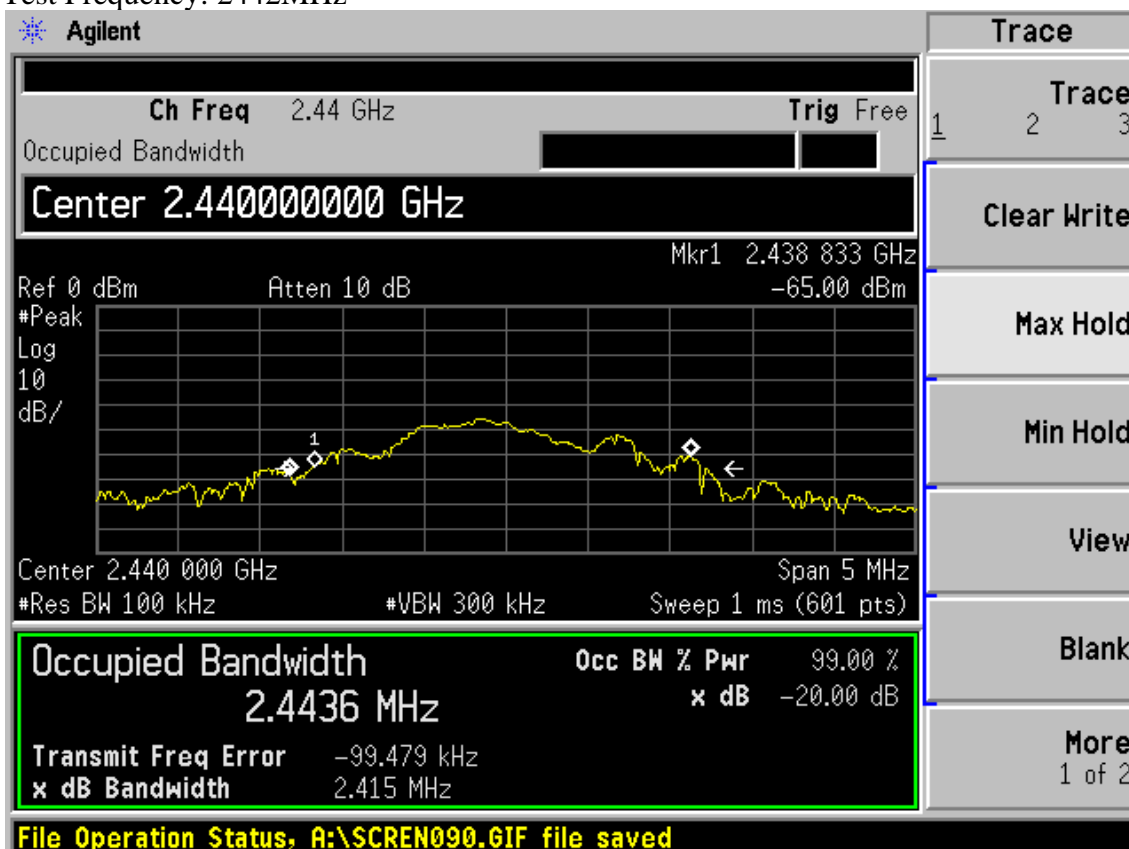
EUT: Receiver for PlayStation 3		
M/N: 0000515		
Test date:2012-10-15	Pressure: 101.2 kpa	Humidity: 53.4 %
Tested by: Leo-Li	Test site: RF site	Temperature : 24.1 °C

Frequency	20dB bandwidth (MHz)	Limit (MHz)
2403MHz	2.097	N/A
2440MHz	2.415	N/A
2475MHz	2.597	N/A
Conclusion : PASS		

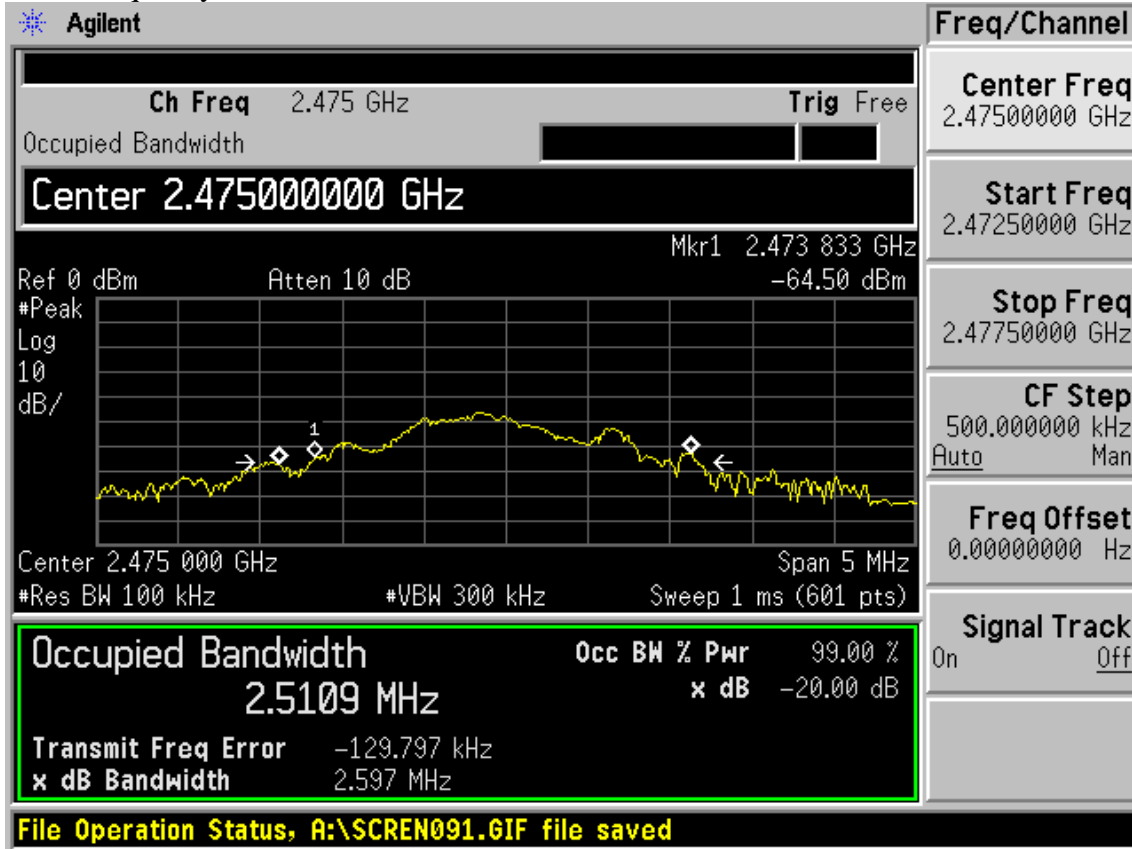
Test Frequency: 2403MHz



Test Frequency: 2442MHz



Test Frequency: 2475MHz



7. DEVIATION TO TEST SPECIFICATIONS

[NONE]