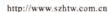
Report Reference No.....



WE10050002











## FCC PART 15 SUBPART C and RSS-210 TEST REPORT

## FCC Part 15.249 and RSS-210 Section A2.9

FCC ID.....: XLU83924791 IC.....: 7293B-83924791 Compiled by ( position+printed name+signature)..: File administrators Wenliang Li Supervised by ( position+printed name+signature)..: Test Engineer Xiankun Ding Approved by ( position+printed name+signature)..: Manager Jimmy Li Date of issue....: Jul 01, 2009 Testing Laboratory Name .....: Shenzhen Huatongwei International Inspection Co., Ltd Address....: Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China Applicant's name..... **Activision Publishing,Inc.** Address....: 3100 Ocean Park Blvd., Santa Monica, CA 90405, U.S.A.

#### Test specification:

Standard ....: FCC Part 15.249: Operation within the bands 920-928 MHz, 2400-2483.5 MHz, 5725-5850 MHz and 24.0 - 24.25 GHz.

RSS-210 Issue 7 Section A2.9 902-928, 2400-2483.5 and 5725-

5875 MHz

TRF Originator..... Shenzhen Huatongwei International Inspection CO., Ltd

Master TRF...... Dated 2006-06

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Test item description:	Wireless Skateboard Receiver for Playstation 3
Trade Mark:	1
Model/Type reference	83924791
Listed Models	/
Serial Number	1
Modulation	MSK
Result	Positive

## TEST REPORT

Test Report No. :	WE10050002	Jul 01,2010
rest Report No	WE10050002	Date of issue

Equipment under Test : Wireless Skateboard Receiver for Playstation 3

Model /Type : 83924791

Listed Models : /

Applicant : Activision Publishing,Inc.

Address : 3100 Ocean Park Blvd., Santa Monica, CA 90405, U.S.A.

Manufacturer : Honey Bee Electronic International Ltd.

Address : Flat L,12/F,Phase 4,Kwun Tong Industrial Centre,436-446

Kwun Tong Road, Kowloon, Hong Kong

Test Result according to the standards on page 4:	Positive
---	----------

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

## **Report No.: WE10050002**

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# 1. TEST STANDARDS

The tests were performed according to following standards:

<u>FCC Rules Part 15.249:</u> Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, 5725-5850 MHz and 24.0 - 24.25 GHz.

RSS-210 Issue 7 June 2007: Spectrum Management and Telecommunications Radio Standards Specification Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment

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# 2. SUMMARY

#### 2.1. General Remarks

Date of receipt of test sample : May 06, 2010

Testing commenced on May 06, 2010

Testing concluded on May 11, 2010

## 2.2. Equipment Under Test

## Power supply system utilised

Power supply voltage : ● 120V / 60 Hz O 115V / 60Hz

O 24 V DC ○ 12 V DC

Other (specified in blank below)

DC 5V from USB

## 2.3. Short description of the Equipment under Test (EUT)

2.4GHz (Wireless Skateboard Receiver for Playstation 3)

For more details, refer to the user's manual of the EUT.

Serial number: Prototype

## 2.4. EUT operation mode

The EUT has been tested under typical operating condition.

## 2.5. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

O - supplied by the manufacturer

supplied by the lab

O Debugging Station (for PLAYSTATION Manufacturer: Sony Computer Entertainment Inc.

Model No.: DECHJ00A

Manufacturer: Honey Bee Electronic International Wireless Skateboard Controller for

Playstation 3 Ltd.

Model No.: 83924790

TV Manufacturer: Hisense

Model No.: TLM19V68

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# 2.6. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **XLU83924791** and IC: **7293B-83924791** filing to comply with Section 15.249 of the FCC Part 15, Subpart C Rules and RSS-210.

## 2.7. Modifications

No modifications were implemented to meet testing criteria.

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## 3. TEST ENVIRONMENT

## 3.1. Address of the test laboratory

Shenzhen Huatongwei International Inspection Co., Ltd Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China Phone: 86-755-26715686 Fax: 86-755-26748089

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 (2003) and CISPR Publication 22.

## 3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories, Date of Registration: Mar 30, 2009. Valid time is until Mar 29, 2012.

#### A2LA-Lab Cert. No. 2243.01

Shenzhen Huatongwei International Inspection Co., Ltd, EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until Sept 30, 2011.

## FCC-Registration No.: 662850

Shenzhen Huatongwei International Inspection Co., Ltd, EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 662850, Renewal date Jun 01, 2009.

#### IC-Registration No.: 5377

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377 on November Feb 13, 2009. Valid time is until Feb 13, 2011.

## **ACA**

Shenzhen Huatongwei International Inspection Co., Ltd, EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

#### NEMKO-Aut. No.: ELA125

Shenzhen Huatongwei International Inspection Co., Ltd has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025:2005 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10, the Authorization is valid through July 07, 2011.

## **VCCI**

The 3m Semi-anechoic chamber  $(12.2m\times7.95m\times6.7m)$  and Shielded Room  $(8m\times4m\times3m)$  of Shenzhen Huatongwei International Inspection Co., Ltd has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2484. Date of Registration: December 20, 2006. Valid time is until December 20, 2012.

Main Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-2726. Date of Registration: December 20, 2006. Valid time is until December 19, 2012.

FCC ID: XLU83924791 IC: 7293B-83924791

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#### DNV

Shenzhen Huatongwei International Inspection Co Ltd has been found to comply with the requirements of DNV towards subcontractor of EMC and safety testing services in conjunction with the EMC and Low voltage Directives and in the voluntary field. The acceptance is based on a formal quality Audit and follow-ups according to relevant parts of ISO/IEC Guide 17025(2005), in accordance with the requirements of the DNV Laboratory Quality Manual towards subcontractors. Valid time is until Jul 09, 2010.

#### 3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

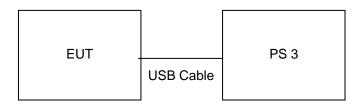
Temperature: 15-35 ° C

Humidity: 30-60 %

Atmospheric pressure: 950-1050mbar

## 3.4. Configuration of Tested System

Fig. 3-1 Configuration of Tested System



**Table 3-1 Equipment Used in Tested System** 

No.	Product	Manufacturer	Model No.	Serial No.	
1	PS 3	Sony	DECHJ00A	00-27450172- 0405559-DECHJ00A	

## 3.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods — Part 4: Uncertainty in EMC Measurements" and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.22dB	(1)
Radiated Emission	1~18GHz	5.16dB	(1)
Radiated Emission	18~40GHz	5.54dB	(1)
Conducted Disturbance	0.15~30MHz	3.29dB	(1)

<sup>(1)</sup> This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

# 3.6. Equipments Used during the Test

AC Po	ower Conducted Emission				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESCS30	100038	2009/11
2	ARTIFICIAL MAINS	ROHDE & SCHWARZ	ESH2-Z5	100028	2009/11
3	PULSE LIMITER	ROHDE & SCHWARZ	ESHSZ2	100044	2009/11
4	EMI TEST SOFTWARE	ROHDE & SCHWARZ	ES-K1 1.71	N/A	2009/11

Radia	Radiated Emissions							
Item	Item Test Equipment Manufacturer		Model No.	Serial No.	Last Cal.			
1	ULTRA-BROADBAND ANTENNA	ROHDE & SCHWARZ	HL562	100015	2009/11			
2	EMI TEST RECEIVER ROHDE & SCHWARZ		ESI 26	100009	2009/11			
3	RF TEST PANEL	T PANEL ROHDE & SCHWARZ		335015/0017	2009/11			
4	TURNTABLE ETS  ANTENNA MAST ETS  EMI TEST ROHDE & SCHWARZ		2088	2149	2009/11			
5			2075	2346	2009/11			
6			ESK1	N/A	2009/11			

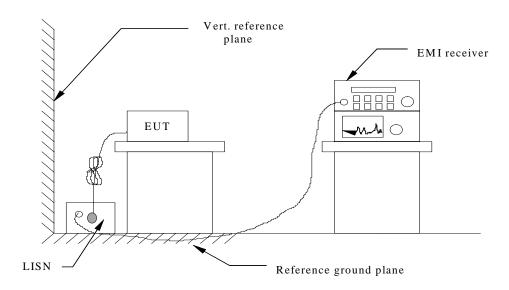
Band	width / Band Edge Measurement					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	
1	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESCI	100106	2009/11	

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## 4. TEST CONDITIONS AND RESULTS

#### 4.1. Conducted Emissions Test

## **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4.
- 2 Support equipment, if needed, was placed as per ANSI C63.4.
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- 4 The EUT received DC power from the PS 3, the PS 3 received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

## **Conducted Power Line Emission Limit**

For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following:

Freezenan	Maximum RF Line Voltage (dBμV)					
Frequency (MHz)	CLAS	SS A	CLASS B			
(111112)	Q.P.	Ave.	Q.P.	Ave.		
0.15 - 0.50	79	66	66-56*	56-46*		
0.50 - 5.00	73	60	56	46		
5.00 - 30.0	73	60	60	50		

<sup>\*</sup> Decreasing linearly with the logarithm of the frequency

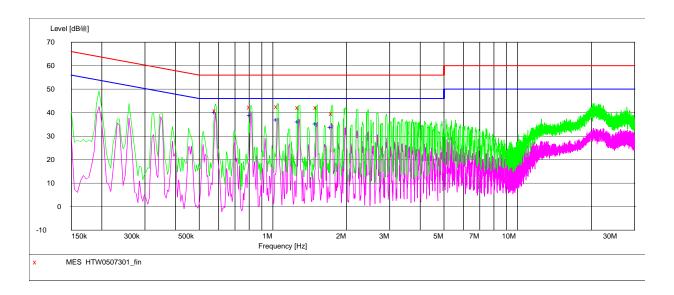
For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

## **TEST RESULTS**

Please see next page

#### SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage



## MEASUREMENT RESULT: "HTW0507301\_fin"

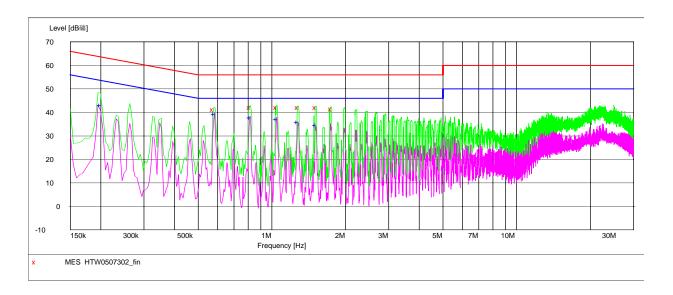
5/7/2010	8:48A	M						
Freque	ncy	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dΒμV	dВ	dΒμV	dВ			
0.586	500	40.90	10.1	56	15.1	QP	N	GND
0.811	500	42.30	10.1	56	13.7	QP	N	GND
1.045	500	42.60	10.2	56	13.4	QP	N	GND
1.279	500	42.20	10.2	56	13.8	QP	N	GND
1.518	000	42.20	10.2	56	13.8	QP	N	GND
1.756	500	39.70	10.2	56	16.3	QP	N	GND

#### MEASUREMENT RESULT: "HTW0507301\_fin2"

5/	7/2010	8:48A	M						
	Freque	ncy	Level	Transd	Limit	Margin	Detector	Line	PΕ
		MHz	dΒμV	dВ	dΒμV	dВ			
			40.00		4.5				
	0.582	000	40.30	10.1	46	5.7	AV	N	GND
	0.811	500	39.10	10.1	46	6.9	AV	N	GND
	1.041	000	37.10	10.2	46	8.9	AV	N	GND
	1.275	000	36.30	10.2	46	9.7	AV	N	GND
	1.504	500	35.30	10.2	46	10.7	AV	N	GND
	1.734	000	33.80	10.2	46	12.2	AV	N	GND

#### SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage



## MEASUREMENT RESULT: "HTW0507302\_fin"

5/7/20	10 8:52	MA						
Fre	equency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dΒμV	dB	dΒμV	dB			
0.	577500	41.20	10.1	56	14.8	QP	L1	GND
0.	816000	42.00	10.1	56	14.0	QP	L1	GND
1.	050000	42.20	10.2	56	13.8	QP	L1	GND
1.	284000	42.00	10.2	56	14.0	QP	L1	GND
1.	518000	42.00	10.2	56	14.0	QP	L1	GND
1.	752000	41.50	10.2	56	14.5	QP	L1	GND

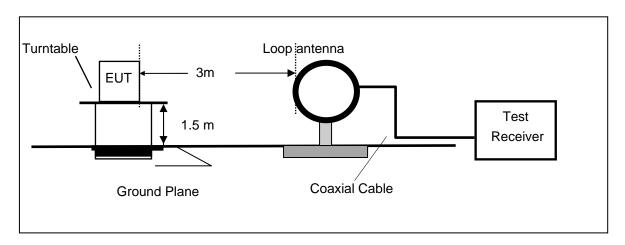
#### MEASUREMENT RESULT: "HTW0507302\_fin2"

5/7/2010	8:52AM	Ī						
Freque	ncy	Level 7	ransd	Limit	Margin	Detector	Line	PE
	MHz	dΒμV	dB	dΒμV	dB			
0.199	E00	43.20	10.1	54	10.4	AV	L1	CINID
0.199	500	43.20	10.1	54	10.4	AV	ΤΤ	GND
0.582	000	39.30	10.1	46	6.7	AV	L1	GND
0.816	000	37.80	10.1	46	8.2	AV	L1	GND
1.045	500	37.30	10.2	46	8.7	AV	L1	GND
1.275	000	35.80	10.2	46	10.2	AV	L1	GND
1.513	500	34.60	10.2	46	11.4	AV	L1	GND

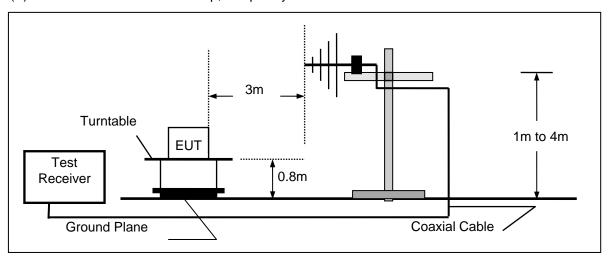
## 4.2. Radiated Emission Test

## **TEST CONFIGURATION**

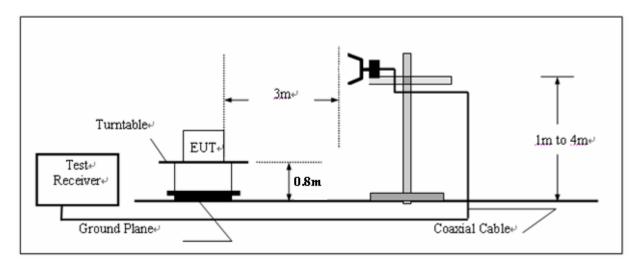
(A) Radiated Emission Test Set-Up, Frequency below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



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## **TEST PROCEDURE**

- 1. The EUT is placed on a turntable, which is 0.8m above ground plane.
- 2. The turntable shall be 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 emissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Repeat above procedures until the measurements for all frequencies are complete.

#### **Field Strength Calculation**

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

#### **RADIATION LIMIT**

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance (Meters)	Radiated (dBµV/m)	Radiated (μV/m)
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

#### **Fundamental and Harmonics Emission Limits**

Frequency	Field Strength	of Fundamental	Field Strengtl	n of Harmonics
MHz	(mV/m @3m)	(dBuV/m @3m)	(uV/m @3m)	(dBuV/m @3m)
2400-2483.5	50	94 (Average)	500	54 (Average)
		114 (Peak)		74 (Peak)

## **TEST RESULTS**

Operation Mode: TX on Top Channel Temperature: 20 C Humidity: 70 % RH Polarity: Ver. / Hor.

Freq.	Ant.Pol.	DetectorMode	Reading	Ant./CL/	Actual FS	Limit3m	Safe Margin	Note
(MHz)	H/V	(PK/AV)	(dBuV)	Amp. CF(dB	$\frac{(dBuV/m)}{}$	(dBuV/m)	(dB)	
2479	V	Peak	79.90	-3.30	76.60	93.98	-17.38	F
2479	H	Peak	83.10	-3.30	79.80	93.98	-14.18	F
4958	V	Peak	44.30	4.00	48.30	73.98	-25.68	H
4958	H	Peak	47.90	4.00	51.90	73.98	-22.08	Н
7437	V							Н
7437	Н							H
239.94	Н	Peak	48.30	-7.50	40.80	46.00	-5.20	
86.37	V	Peak	43.00	-7.50	35.50	43.50	-8.00	
Others								

#### Remark:

- (1) Measuring frequencies from 30 MHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) \* denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown "--- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver was 120KHz for measuring from 30 MHz to 1 GHz and 1 MHz for measuring above 1 GHz
- (6) The average measurement was not performed when the peak measured data under the limit of average detection.

Operation Mode: TX on Mid Channel

Temperature: 20 C Humidity: 70 % RH

Polarity: Ver. / Hor.

Freq.	Ant.Pol.	DetectorMode	Reading	Ant./CL/	Actual FS	Limit3m	Safe Margin	Note
(MHz)	H/V	_(PK/AV)_	(dBuV)	Amp. CF(dB	(dBuV/m)	(dBuV/m)	(dB)	
2441	V	Peak	79.80	-3.30	76.50	93.98	-17.48	F
2441	Н	Peak	80.40	-3.40	77.00	93.98	-16.98	F
4882	V	Peak	45.00	3.70	48.70	73.98	-25.28	Н
4882	Н	Peak	42.60	3.70	46.30	73.98	-27.68	Н
7323	V							Н
7323	Н							Н
220.50	Н	Peak	61.80	-21.10	40.70	46.00	-5.30	
119.42	V	Peak	43.30	-7.50	35.80	43.50	-7.70	
Others								

#### Remark:

- (1) Measuring frequencies from 30 MHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) \* denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- Data of measurement within this frequency range shown "--- " in the table above means the (4) reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- The IF bandwidth of EMI Test Receiver was 120KHz for measuring from 30 MHz to 1 (5) GHz and 1 MHz for measuring above 1 GHz
- The average measurement was not performed when the peak measured data under the (6)limit of average detection.

Operation Mode: TX on Bot Channel

Temperature: 20 C Humidity: 70 % RH

Polarity: Ver. / Hor.

Freq.	Ant.Pol.	DetectorMode	Reading	Ant./CL/	Actual FS	Limit3m	Safe Margin	Note
(MHz)	H/V	(PK/AV)	(dBuV)	Amp. CF(dB	(dBuV/m)	(dBuV/m)	(dB)	
2404	V	Peak	90.50	-3.40	79.60	93.98	-14.38	F
2404	Н	Peak	86.30	-3.50	82.80	93.98	-11.18	F
4808	V	Peak	44.60	3.80	48.40	73.98	-25.58	H
4808	Н	Peak	43.10	3.80	46.90	73.98	-27.08	Н
7212	V							H
7212	Н							Н
288.54	Н	Peak	60.10	-19.40	40.70	46.00	-5.30	
251.60	V	Peak	45.80	-7.50	38.30	46.00	-7.70	
Others								

#### Remark:

- (1) Measuring frequencies from 30 MHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) \* denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver was 120KHz for measuring from 30 MHz to 1 GHz and 1 MHz for measuring above 1 GHz
- (6) The average measurement was not performed when the peak measured data under the limit of average detection.

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## 4.3. Band Edge Measurement

#### **TEST CONFIGURATION**

Same as Section 4.2

#### **TEST PROCEDURE**

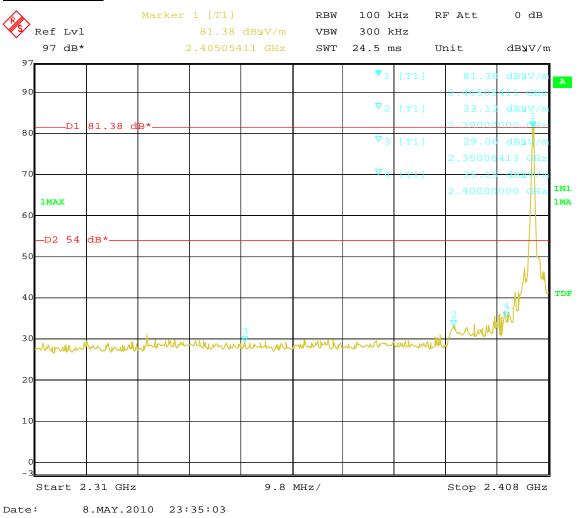
The band edge compliance of RF radiated emission should be measured by following the guidance in ANSI C63.4 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW to 100KHz and VBM to 300KHz to measure the peak field strength and set RBW to 1MHz and VBW to 10Hz to measure the average radiated field strength.

The conducted RF band edge was measured by using a spectrum analyzer. Set span wide enough to capture the highest in-band emission and the emission at the band edge. Set RBW to 100 KHz and VBM to 300 KHz, to measure the conducted peak band edge.

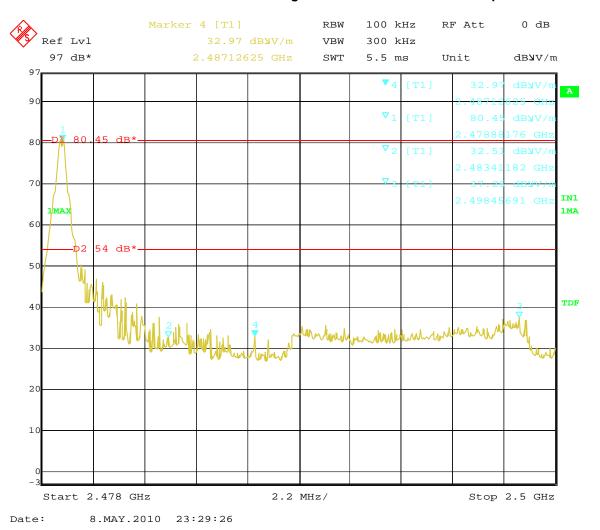
### **LIMIT**

FCC PART 15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

#### **TEST RESULTS**



FCC ID: XLU83924791 IC: 7293B-83924791



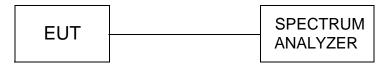
## Note:

- 1. The field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in Section 15.209.
- 2. The average measurement was not performed when the peak measured data under the limit of average detection.

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## 4.4. 99% Bandwidth Measurement

## **TEST CONFIGURATION**



#### **TEST PROCEDURE**

The transmitter output is connected to the spectrum analyzer. The spectrum analyzer center frequency is set to the transmitter frequency. The RBW is set to 30 KHz and VBW is set 100 KHz.

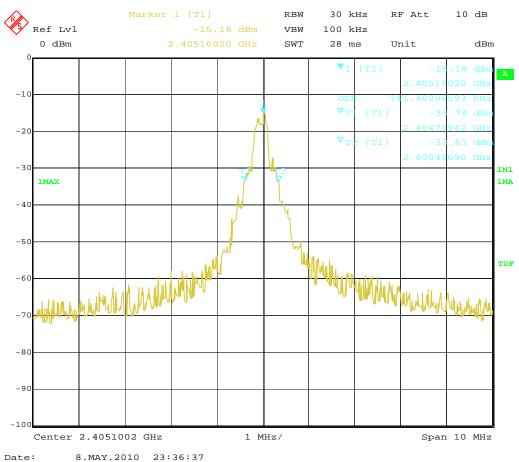
## **LIMIT**

RSS-210 A1.1.3, For the purpose of Section A1.1, the 99% bandwidth shall be no wider than 0.25% of the centre frequency for devices operating between 70-900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the centre frequency.

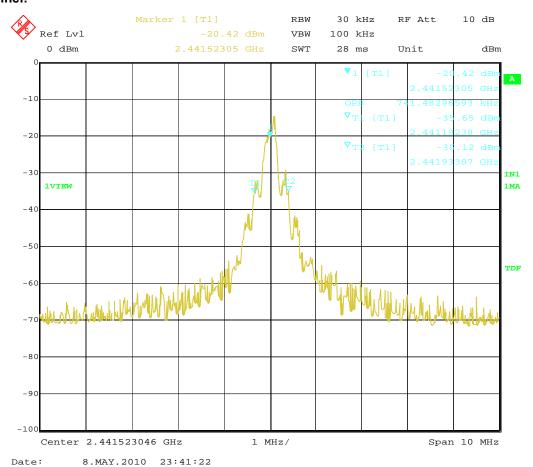
## **TEST RESULTS**

99% Bandwidth Measurement Result							
Operating Frequency	Test Data(KHz)	Limits(KHz)	Result				
Bottom Channel	741.483	12025	PASS				
Middle Channel	741.483	12208	PASS				
Top Channel	741.483	12394	PASS				

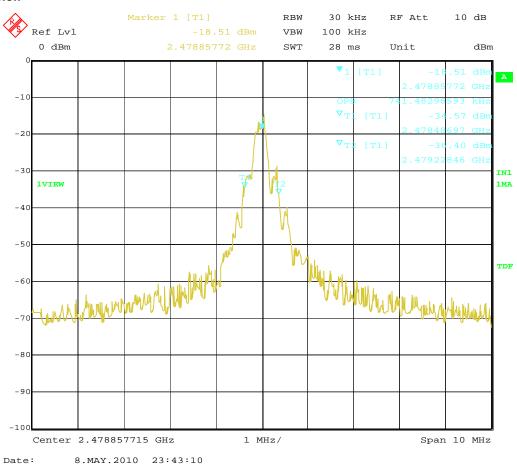
#### **Bottom Channel:**



## Mid Channel:



## **Top Channel:**



# 5. Test Setup Photos of the EUT



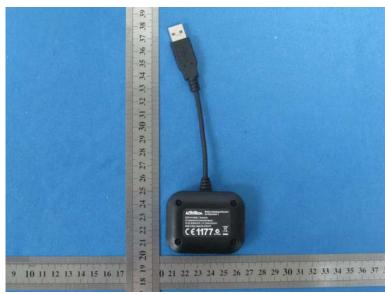




# 6. External and Internal Photos of the EUT

## **External Photos**

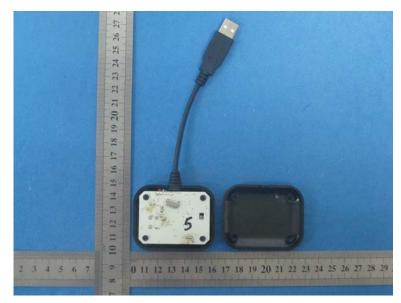


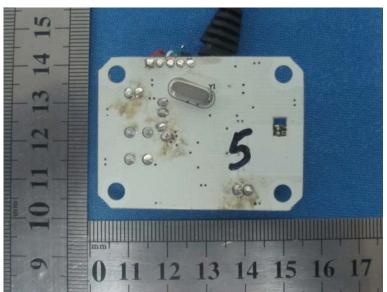


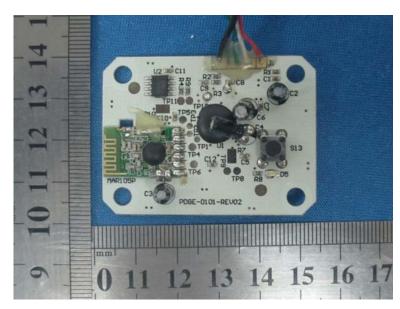


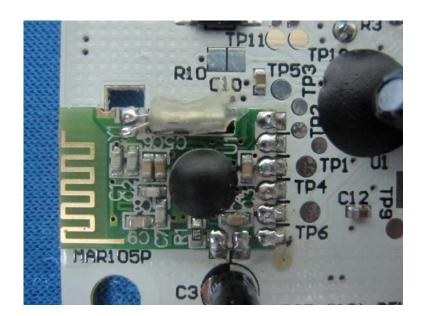


## **Internal Photos**









.....End of Report.....