Neutron Engineering Inc.__

FCC/IC Radio Test Report

FCC ID: X5B-PL7624A IC: 8814A-PL7624A

This report concerns (check one) : Criginal Grant Class II Change

Issued Date Project No. Equipment Model Name for FCC	: Sep. 13, 2012 : 1209C023 : Afterglow Remote For Wii [:] PL-7624
Model Name for IC	: PL-7624A
Applicant	 Performance Designed Products, LLC 14144 Ventura Blvd. Suite 200, Sherman Oaks, CA
Address	91423
Manufacturer	 Performance Designed Products, LLC 14144 Ventura Blvd. Suite 200, Sherman Oaks, CA
Address	91423

Tested by: Neutron Engineering Inc. EMC Laboratory Date of Receipt: Sep. 03, 2012 Date of Test: Sep. 03, 2012 ~ Sep. 12, 2012

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Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **CHINA**, or National Institute of Standards and Technology (**NIST**) of **U.S.A**.

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Limitation

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1. CERTIFICATION

Equipment		Afterglow Remote For Wii
Brand Name		Afterglow
Model Name for FCC	:	PL-7624
Model Name for IC	:	PL-7624A
Applicant		Performance Designed Products, LLC
Factory	:	Performance Designed Products, LLC
Address	:	14144 Ventura Blvd. Suite 200, Sherman Oaks, CA 91423
Date of Test	:	Sep. 03, 2012 ~ Sep. 12, 2012
Test Item	:	ENGINEERING SAMPLE
Standards	:	FCC Part15, Subpart C(15.247) / ANSI C63.4 : 2009
		FCC Public Notice DA 00-705, March 30, 2000.
		Canada RSS-210:2010

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FICP-1-1209C023) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and TAF according to the ISO-17025 quality assessment standard and technical standard(s).



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

APPLIED STANDARD: 47 CFR Part 15, Subpart C; Canada RSS-210:2010						
Standar	d Section					
RSS-210	47 CFR Part 15	Test Item	Judgment	Remark		
RSS-GEN 7.2.2	15.207	Conducted Emission	-	N/A		
RSS-210 Annex 8 (A8.1d)	15.247(d)	Antenna conducted Spurious Emission	PASS			
RSS-210 Annex 8 (A8.1d)	15.247 (a)(1)	Hopping Channel Separation	PASS			
RSS-210 Annex 8 (A8.1b)	15.247 (b)(1)	Peak Output Power	PASS			
RSS-210 Annex 8 (A8.1a)	ex 8 15.247(d) Radiated Spurious Emission		PASS			
RSS-210 Annex 8 (A8.4(2)) 15.247 (a)(1)(iii)		Number of Hopping Frequency	PASS			
RSS-210 Annex 8 (A8.5)	15.247 (a)(1)(iii)	Dwell Time	PASS			
RSS-Gen 7.2.3	15.205	Restricted Bands	PASS			
RSS-210 Annex 8 (A8.5)	15.203	Antenna Requirement	PASS			

NOTE:

(1)" N/A" denotes test is not applicable in this test report

(2) According to FCC Public Notice DA 00-705, March 30, 2000.



2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-CB03** at the location of No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.523792 Neutron's test firm number for FCC 319330 Neutron's test firm number for IC 4428B-1

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

The reported uncertainty of measurement y \pm U , where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of ~k=2 , providing a level of confidence of approximately 95 % $^{\circ}$

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U , (dB)	NOTE
DG-C02	CISPR	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U , (dB)	NOTE
		30MHz ~ 200MHz	V	3.82	
	CISPR	30MHz ~ 200MHz	Н	3.60	
DG-CB03		200MHz ~ 1,000MHz	V	3.86	
DG-CB03		200MHz ~ 1,000MHz	Н	3.94	
		1GHz~18GHz	V	3.12	
		1GHz~18GHz	Н	3.68	

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3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Afterglow Remote For Wii				
Brand Name	Afterglow				
Model Name for FCC	PL-7624				
Model Name for IC	PL-7624A				
Model Difference	N/A				
	The EUT is a Afterglow I	Remote For Wii.			
	Operation Frequency:	2402~2480 MHz			
	Modulation Technology: Bit Rate of Transmitter	GFSK(1Mbps)			
	Number of Channel:	79 CH, Please see note 2. (Page 9)			
Product Description	Antenna Designation:	Please see note 3.(Page 9)			
	Antenna Gain(Peak):	Please see note 3.(Page 9)			
	Output Power:	-2.29 dBm (1Mbps)			
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.				
Power Source	DC voltage supplied from 2*AA size battery.				
Power Rating	DC 3V				
Connecting I/O Port(s)	Please refer to the User's Manual				

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

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2.

	Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
00	2402	27	2429	54	2456	
01	2403	28	2430	55	2457	
02	2404	29	2431	56	2458	
03	2405	30	2432	57	2459	
04	2406	31	2433	58	2460	
05	2407	32	2434	59	2461	
06	2408	33	2435	60	2462	
07	2409	34	2436	61	2463	
08	2410	35	2437	62	2464	
09	2411	36	2438	63	2465	
10	2412	37	2439	64	2466	
11	2413	38	2440	65	2467	
12	2414	39	2441	66	2468	
13	2415	40	2442	67	2469	
14	2416	41	2443	68	2470	
15	2417	42	2444	69	2471	
16	2418	43	2445	70	2472	
17	2419	44	2446	71	2473	
18	2420	45	2447	72	2474	
19	2421	46	2448	73	2475	
20	2422	47	2449	74	2476	
21	2423	48	2450	75	2477	
22	2424	49	2451	76	2478	
23	2425	50	2452	77	2479	
24	2426	51	2453	78	2480	
25	2427	52	2454			
26	2428	53	2455			

3.

Table for Filed Antenna

	0.0.1		in lo			
/	Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	1	N/A	N/A	PIFA	N/A	1.76



3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description		
Mode 1	TX Mode NOTE (1)		
Mode 2	RX Mode NOTE (1)		

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Emission			
Final Test Mode Description			
N/A	" N/A" denotes test is not applicable in this test report.		

Note: The Equipment will be connected to a controller, however that controller is powered on Equipment only without connecting to the AC Source. Therefore, AC Power Line Conducted emission is not required for this EUT.

For Radiated Emission			
Final Test Mode	Description		
Mode 1	TX Mode NOTE (1)		
Mode 2	RX Mode NOTE (1)		

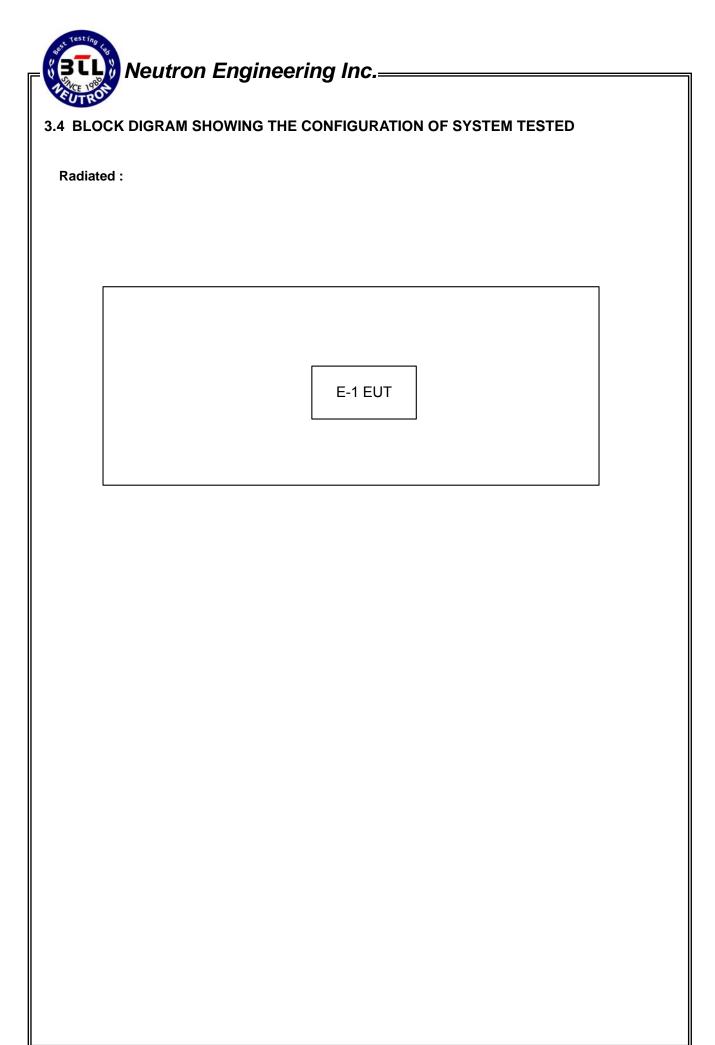
Note:

(1) The measurements are performed at the high, middle, low available channels.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power r selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS

Test software Version	Test program: OEM_FCC_EEPROM_UTILITY_TOD				
Frequency	2402 MHz	2441 MHz	2480 MHz		
Parameters-1Mbps	N/A	N/A	N/A		





3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	Afterglow Remote For Wii	Afterglow	PL-7624A	X5B-PL7624A	N/A	EUT
E-2	TV	OLYMP	IDDHDII	DOC	N/A	
E-3	WI	nintendo	RVL-001(JPN)	POOWML-C43	LU300854532	
E-4	Sensor Bar	nintendo	RVL-001(JPN)	POOWML-C43	LU300854532	
E-5	Controller	nintendo	RVL-001(JPN)	POOWML-C43	LU300854532	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	2.3m	
C-2	NO	NO	3.4m	
C-3	YES	NO	0.9m	

Note:

(1) For detachable type I/O cable should be specified the length in m in $\[\]$ Length $\[\]$ column.



4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard	
FREQUENCT (MITZ)	Quasi-peak	Average	Quasi-peak	Average	Stanuaru	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR	
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR	
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR	

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.1.2 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	May.04.2013
2	LISN	R&S	ENV216	100087	May.04.2013
3	Test Cable	N/A	C_17	N/A	Mar.28.2013
4	EMI TEST RECEIVER	R&S	ESCS30	826547/022	May.04.2013
5	50Ω Terminator	SHX	TF2-3G-A	08122902	May.04.2013

Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of Equipment List is One Year.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



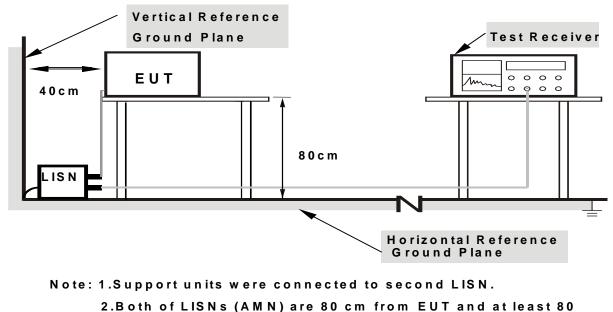
4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



from other units and other metal planes

4.1.6 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT is continue Transmitter/Receive data or Hopping on mode.



4.1.7 TEST RESULTS

EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	-	Relative Humidity :	-
Pressure :	-	Test Power :	-
Test Mode :	N/A		

Note: " N/A" denotes test is not applicable in this test report.

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note ... If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform In this case, a "*" marked in AVG Mode column of Interference Voltage Measured •
- (2) Measuring frequency range from 150KHz to 30MHz.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	(dBuV/n	n) (at 3M)
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

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4.2.2 MEASUREMENT INSTRUMENTS LIST ANS SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	May.25.2013
2	Amplifier	HP	8447D	2944A09673	May.04.2013
3	Test Receiver	R&S	ESCI	100382	May.04.2013
4	Test Cable	N/A	C-01_CB03	N/A	Jul.01.2013
5	Antenna	ETS	3115	00075789	May.25.2013
6	Amplifier	Agilent	8449B	3008A02274	May.04.2013
7	Spectrum	Agilent	E4408B	US39240143	Nov.25.2012
8	Test Cable	HUBER+SUH NER	C-45	N/A	May.02.2013
9	Controller	СТ	SC100	N/A	N/A
10	Active Loop Antenna	R&S	HFH2-Z2	830749/020	May.04.2013
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Oct.13.2012
12	Horn Antenna	EMCO	3115	9605-4803	May.25.2013

Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of Equipment List is One Year.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, Average=PK-duty cycle

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz for PK/AVG detector
Start ~ Stop Frequency	90kHz~110kHz for QP detector
Start ~ Stop Frequency	110kHz~490kHz for PK/AVG detector
Start ~ Stop Frequency	490kHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector



4.2.3 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

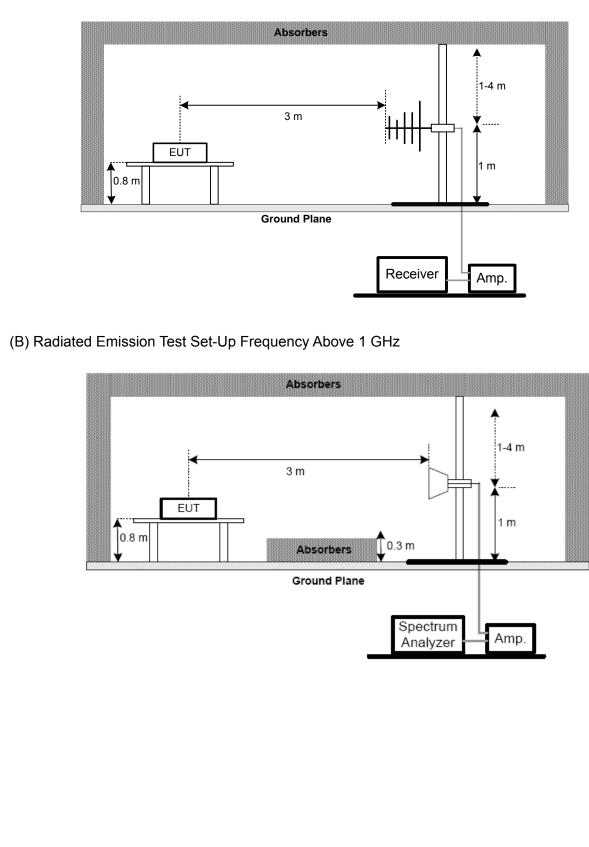
4.2.4 DEVIATION FROM TEST STANDARD

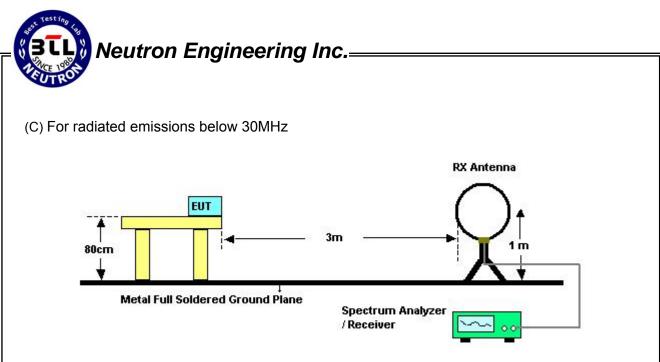
No deviation

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4.2.5 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz





4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

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4.2.7 TEST RESULTS (9K-30MHZ)

EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX Mode		

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	0°/90°	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE
0.0096	0°	20.06	24.30	44.36	127.98	-83.62	AV
0.0096	0°	22.25	24.30	46.55	147.98	-101.43	PK
0.0235	0°	18.14	24.08	42.22	120.19	-77.97	AV
0.0235	0°	20.67	24.08	44.75	140.19	-95.44	PK
0.0371	0°	18.67	23.22	41.89	116.22	-74.33	AV
0.0371	0°	22.32	23.22	45.54	136.22	-90.68	PK
0.0674	0°	19.31	22.05	41.36	111.03	-69.67	AV
0.0674	0°	23.64	22.05	45.69	131.03	-85.34	PK
0.2567	0°	21.35	20.38	41.73	99.42	-57.69	AVG
0.2567	0°	23.46	20.38	43.84	119.42	-75.58	PK
1.2436	0°	24.33	19.58	43.91	65.71	-21.81	QP

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	0°/90°	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE
0.0097	90°	16.56	24.30	40.86	127.90	-87.04	AVG
0.0097	90°	20.88	24.30	45.18	147.90	-102.72	PK
0.0254	90°	15.34	23.96	39.30	119.50	-80.20	AVG
0.0254	90°	19.34	23.96	43.30	139.50	-96.20	PK
0.0362	90°	18.05	23.27	41.32	116.42	-75.10	AVG
0.0362	90°	22.68	23.27	45.95	136.42	-90.47	PK
0.0654	90°	20.57	22.09	42.66	111.30	-68.64	AVG
0.0654	90°	23.87	22.09	45.96	131.30	-85.34	PK
0.2426	90°	21.04	20.41	41.45	99.91	-58.46	AVG
0.2426	90°	23.33	20.41	43.74	119.91	-76.17	PK
1.2528	90°	22.34	19.57	41.91	65.65	-23.74	QP

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported $\,{}_{\circ}$
- (2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB); •
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor. •

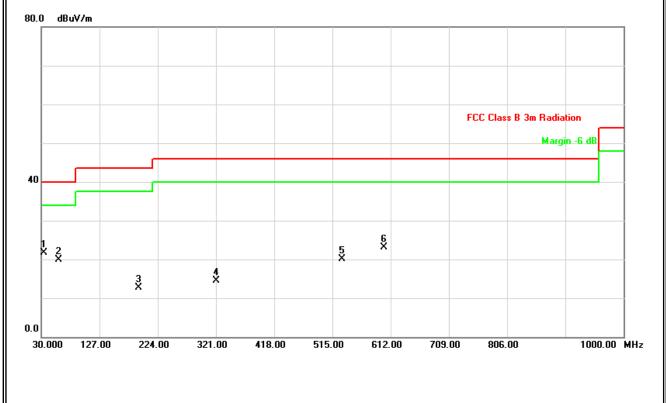
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4.2.8 TEST RESULTS (BETWEEN30 - 1000 MHZ)

EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX 2402MHz –CH00-1Mbps		

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Note
33.88	V	38.52	-16.89	21.63	40.00	- 18.37	
59.10	V	37.55	-17.62	19.93	40.00	- 20.07	
191.99	V	29.68	-17.07	12.61	43.50	- 30.89	
321.97	V	26.60	-12.15	14.45	46.00	- 31.55	
530.52	V	27.41	-7.29	20.12	46.00	- 25.88	
600.36	V	28.66	-5.49	23.17	46.00	- 22.83	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ∘
- (2) All readings are Peak unless otherwise stated QP in column of [©] Note _□ . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ∘
- (3) Measuring frequency range from 30MHz to 1000MHz ${\scriptstyle \circ}$
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ${\scriptstyle \circ}$

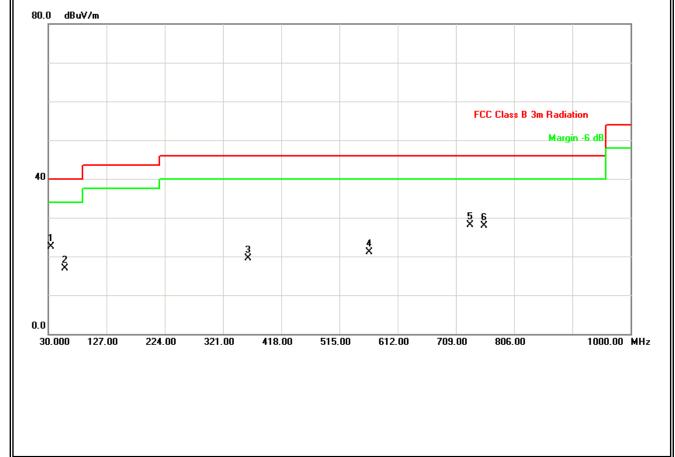




EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 °C	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX 2402MHz –CH00-1Mbps		

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Nete
(MHz)	H/V	(dBuV)	(dB) `	(dBuV/m)	(dBuV/m)	(dB)	Note
33.88	Н	39.30	-16.89	22.41	40.00	- 17.59	
57.16	Н	34.59	-17.70	16.89	40.00	- 23.11	
362.71	Н	30.65	-11.08	19.57	46.00	- 26.43	
564.47	Н	27.33	-6.28	21.05	46.00	- 24.95	
732.28	Н	32.41	-4.40	28.01	46.00	- 17.99	
756.53	Н	32.06	-4.16	27.90	46.00	- 18.10	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ∘
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz ${\scriptstyle \circ}$
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ${}_{\circ}$



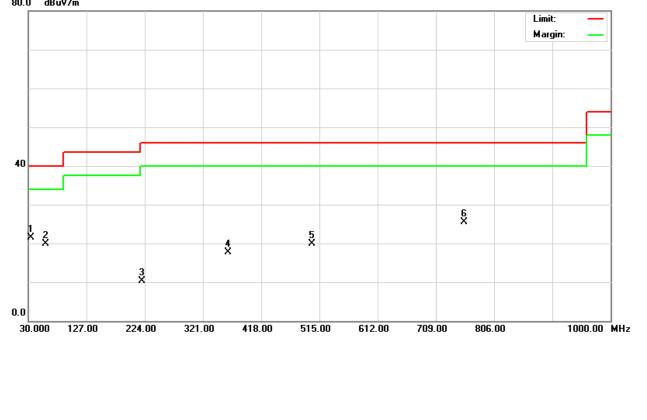


EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	RX Mode 2402MHz-1Mbps		

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	n) (dBuV/m) (dB)		NOLE
33.88	V	38.42	-16.84	21.58	40.00	- 18.42	
59.10	V	37.43	-17.50	19.93	40.00	- 20.07	
219.15	V	26.10	-15.89	10.21	46.00	- 35.79	
362.71	V	28.10	-10.37	17.73	46.00	- 28.27	
502.39	V	27.20	-7.27	19.93	46.00	- 26.07	
756.53	V	27.91	-2.47	25.44	46.00	- 20.56	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz •
- (2) All readings are Peak unless otherwise stated QP in column of "Note]. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform •
- (3) Measuring frequency range from 30MHz to 1000MHz $_{\circ}$
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table •



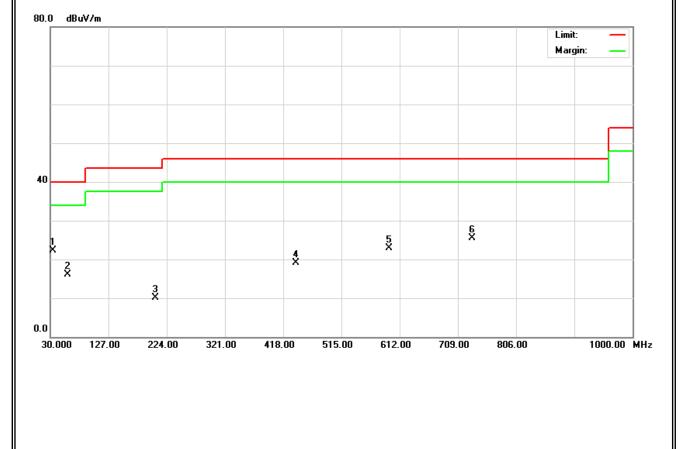




EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	RX Mode 2402MHz-1Mbps		

Freq.	Ant.	Reading(RA)	Corr.Factor(CF)	Measured(FS)	Limits(QP)	Margin	Note	
(MHz)	H/V	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	NOLE	
33.88	Н	39.12	-16.84	22.28	40.00	- 17.72		
59.10	Н	33.58	-17.50	16.08	40.00	- 23.92		
204.60	Н	26.63	-16.44	10.19	43.50	- 33.31		
439.34	Н	27.39	-8.31	19.08	46.00	- 26.92		
594.54	Н	27.24	-4.40	22.84	46.00	- 23.16		
732.28	Н	28.29	-2.78	25.51	46.00	- 20.49		

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ∘
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz ${\scriptstyle \circ}$
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ${}_{\circ}$



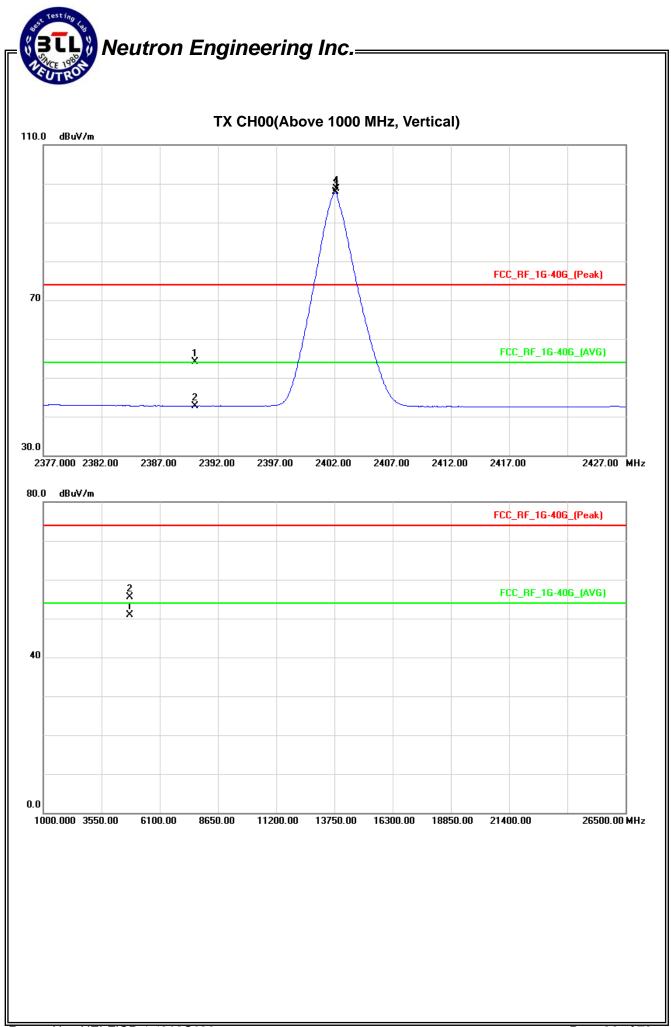
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4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX 2402MHz – CH 00-1Mbps		

	Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Margin		
			Peak	AV		Peak	AV	Peak	AV	Peak	AV	Note
((MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
23	390.00	V	21.73	10.51	32.28	54.01	42.79	74.00	54.00	-19.99	-11.21	X/E
24	402.15	V	66.43	65.65	32.27	98.70	97.92					X/F
48	804.50	V	49.46	44.80	6.11	55.57	50.91	74.00	54.00	-18.43	-3.09	X/H

- (1) All readings are Peak unless otherwise stated QP in column of $\[\]$ Note $\[\]$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $\[\circ$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency. "F" denotes fundamental frequency; "H" denotes spurious frequency.
 "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (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) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

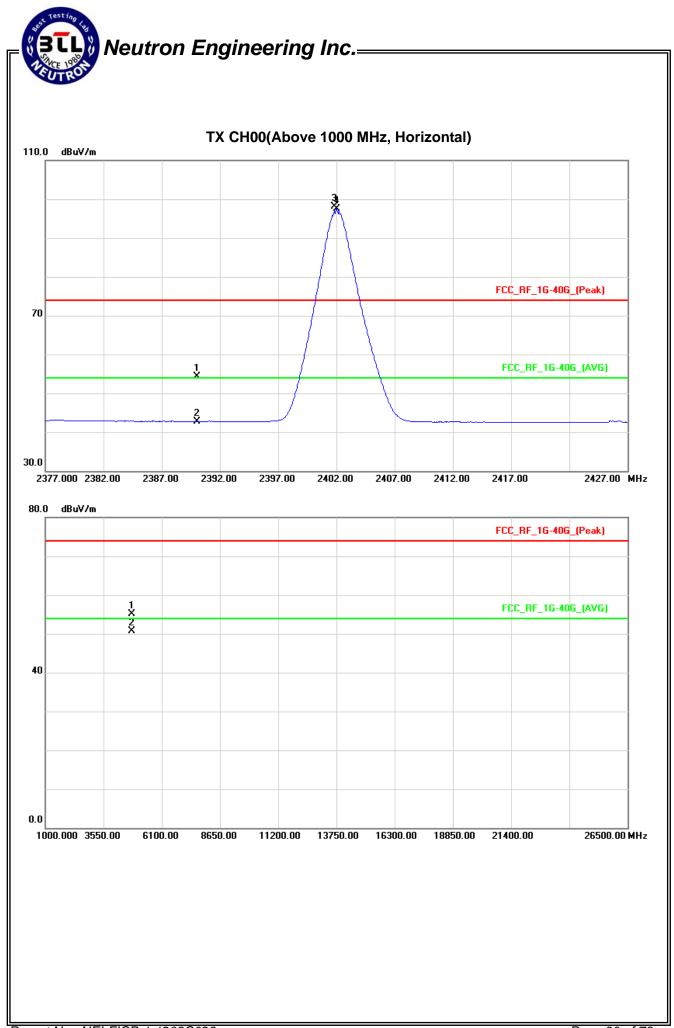




EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010hPa	Test Voltage :	DC 3V
Test Mode :	TX 2402MHz – CH 00-1Mbps	·	

Freq.	Ant.Pol.	Rea	Reading Ant./CF		Act.		Limit		Margin		
		Peak	AV		Peak	AV	Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	Н	22.12	10.52	32.28	54.40	42.80	74.00	54.00	-19.60	-11.20	X/E
2401.80	Н	65.76	65.25	32.27	98.03	97.52					X/F
4803.70	Н	49.00	44.61	6.11	55.11	50.72	74.00	54.00	-18.89	-3.28	X/H

- (1) All readings are Peak unless otherwise stated QP in column of $\[\]$ Note $\]$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $\[\circ\]$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency^o "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (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) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

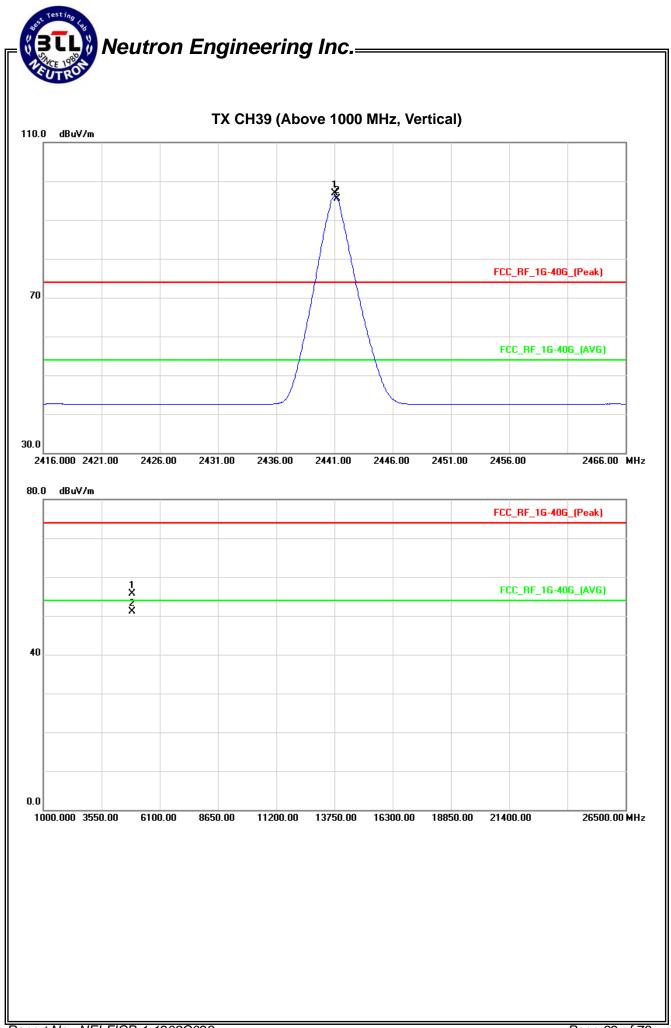




EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX 2441MHz –CH39-1Mbps		

Freg. Ant.Pol		Reading		Ant./CF	Act.		Limit		Margin		
rieq.	Ant.i 01.	Peak	AV		Peak	AV	Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	dBuV/m	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2441.00	V	64.67	63.33	32.23	96.90	95.56					X/F
4881.50	V	49.22	44.64	6.43	55.65	51.07	74.00	54.00	-18.35	-2.93	X/H

- (1) All readings are Peak unless otherwise stated QP in column of $\[\]$ Note $\]$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $\[\circ$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency^o "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (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) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table ; "Y" denotes Vertical Stand ; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

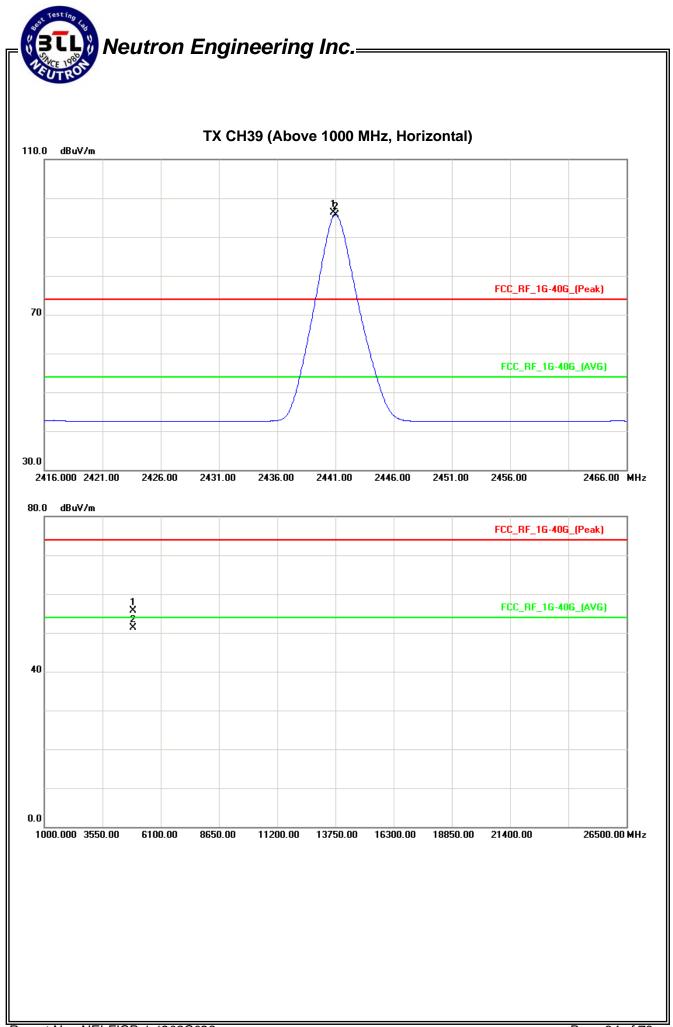




EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX 2441MHz –CH39-1Mbps		

Freg. Ant.Pol.		Reading		Ant./CF	Act.		Limit		Margin		
rieq.	Ant.i 01.	Peak	AV		Peak	AV	Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2440.85	Н	63.98	63.48	32.23	96.21	95.71					X/F
4881.64	Н	49.28	44.84	6.43	55.71	51.27	74.00	54.00	-18.29	-2.73	X/H

- (1) All readings are Peak unless otherwise stated QP in column of $\[\]$ Note $\]$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $\[\circ\]$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency^o "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (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) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

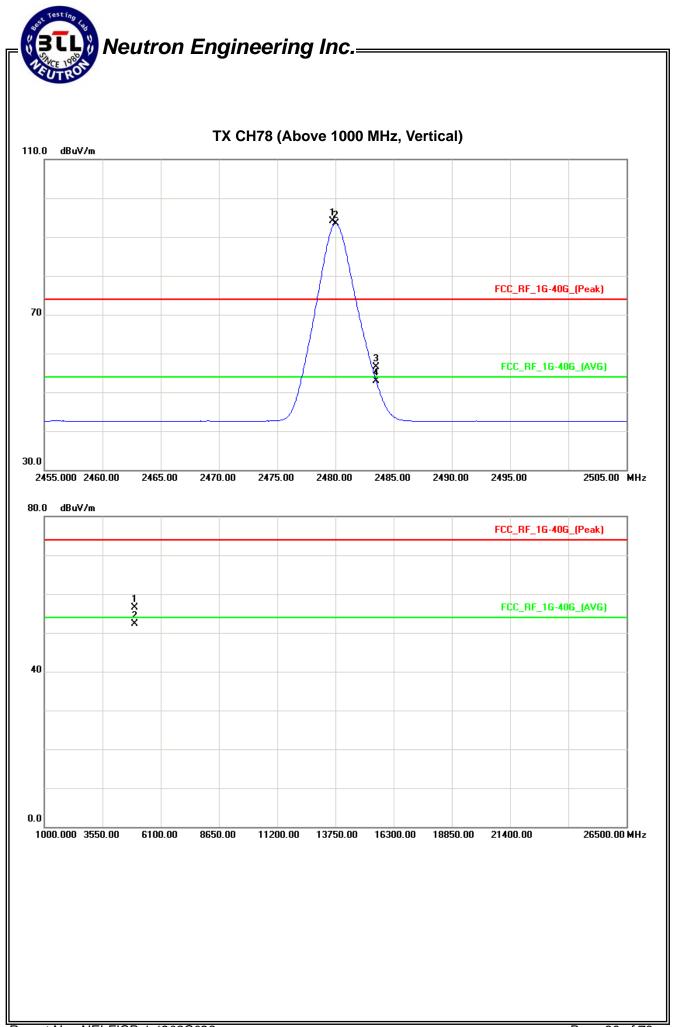




EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010hPa	Test Voltage :	DC 3V
Test Mode :	TX 2480MHz –CH78-1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Margin		
		Peak	AV		Peak	AV	Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2479.75	V	61.85	61.35	32.18	94.03	93.53					X/F
2483.50	V	24.39	20.68	32.17	56.56	52.85	74.00	54.00	-17.44	-1.15	X/E
4959.91	V	49.74	45.62	6.74	56.48	52.36	74.00	54.00	-17.52	-1.64	X/H

- (1) All readings are Peak unless otherwise stated QP in column of $\[\]$ Note $\]$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $\[\circ\]$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency^o "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (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) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna



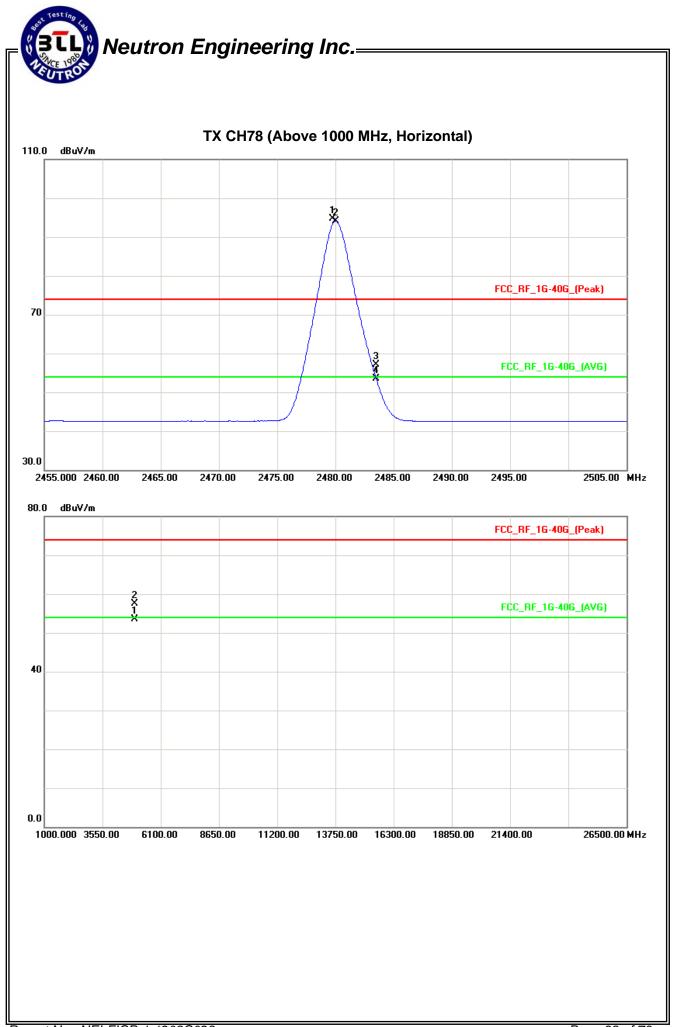


EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX 2480MHz –CH78-1Mbps		

Freq.	Ant.Pol.	Rea	ding	Ant./CF	A	ct.	Lir	nit	Ma	rgin	
		Peak	AV		Peak	AV	Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2479.75	Н	62.46	61.96	32.18	94.64	94.14					X/F
2483.50	Н	24.85	21.33	32.17	57.02	53.50	74.00	54.00	-16.98	-0.50	X/E
4960.34	Н	50.77	46.84	6.74	57.51	53.58	74.00	54.00	-16.49	-0.42	X/H

Remark :

- (1) All readings are Peak unless otherwise stated QP in column of $\[\]$ Note $\[\]$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $\[\circ$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency^o "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (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) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna





EUT :								PL-7624		
Tempera		25 ℃				ve Humic	•	58 %		
ressure		1010 h			Test V	/oltage :		DC 3V		
est Mo	de :	RX Mo	de 2402MH	z - 1Mbps						
				_			.,			-
Freq.	Ant.Pol.		ng Ant./C	F Ac Peak	at. AV	LII Peak	mit AV	Ma Peak	argin AV	- No
(MHz)	H/V		dBuV)CF(dB							
863.20	V		8.15 -2.43	48.87	45.72	74.00	54.00	-25.13	-8.28	<u>''</u> Х/
(1	that th perfor 2) Measu fundau "E" d Requi 3) Radia instru	e Peak re m ∘ uring freq mental fre enotes ba rement.) ted emiss ment using	Peak unless eading comp uency range quency "F" and edge f sions measu g Peak detect	iance with t e from 1000 denotes fur requency. ired in freq	he QP Li DMHz to Idamenta (This jud Iuency ra Ind AV de	mits and t 6000MHz Il frequenc dgment n ange abov etector mo	hen QP M z or the cy; "H" den nethod in ve 1000M de of the	Node mea 10th harn notes spu icludes t 1Hz were emission	asuremer nonic of Irious frec he Band e made v	nt did highe queno Edg with
(readin streng 5) A pre measu 6) EUT (ig of emis ith is too s amp and urement s Drthogona	sions are att small to be m I high pass sensitivity.	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to p	limits or t rovide su	he fie
(1	readin streng 5) A pre measu 6) EUT (ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to p notes Side	limits or t rovide su	he fie
(1	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
(1	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
(1	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
(1	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
() 80.0 dBu	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
(1	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
() 30.0 dBu	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
() 80.0 dBu	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
() 80.0 dBu	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
() 80.0 dBu	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
() 80.0 dBu	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
() 80.0 dBu	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie
() 80.0 dBu	readin streng 5) A pre measu 6) EUT ("X" - d	ig of emis ith is too s amp and urement s Drthogona	sions are att mall to be m I high pass sensitivity. al Axis :	enuated mo easured. filter were	ore than 2	20dB belo	w the per	missible der to pr notes Side	limits or t rovide su e Stand	he fie



		Aller	<u> </u>	emote F	or will	Model	Name :		PL-7624	4A	
empera	ature :	25 ℃	/			Relativ	/e Humid	ity :	58 %		
Pressure	;	1010	hPa			Test V	oltage :		DC 3V		
est Mo	de :	RX M	lode 24	102MHz	- 1Mbps		Ŧ				
					•						
Freq.	Ant.Pol.	Read	ding	Ant./CF	Ac	ct.	Lii	nit	Μ	largin	
		Peak	AV		Peak	AV	Peak	AV	Peak		No
(MHz)	H/V				(dBuV/m)						
863.75	Н	53.02	50.84	-2.41	50.61	48.43	74.00	54.00	-23.39	-5.5	7 X/
(2	 All reat that the perfor Mease funda "E" d Requi Radia instruit Data dia readir 	e Peak i m ∘ uring fre mental fr enotes rement.) ted emis ment usi of measi ig of emi	reading equency band e band e ssions ng Pea uremen issions	r complia r range f cy∘"F" de edge fre measure k detecte t within f are atter	otherwise ince with t from 1000 enotes fun equency. ed in freq or mode a this freque nuated mo	he QP Lir OMHz to Idamental (This jud Juency ra Ind AV de ency rang	mits and t 6000MHz frequenc gment m nge abov tector mo e shown	then QP N c or the f ry; "H" de nethod ir ve 1000N de of the " * " in th	Node me 10th han notes spi ncludes 1Hz wen emissior e table a	asureme monic of urious fre the Bar e made	ent did f highe equence id Edg with a eans th
	5) A pre meas 6) EUT (urement Orthogor	nd high sensitiv nal Axis	n pass f vity. :	ilter were "Y" - deno						sufficie
(6	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were						sufficie
(6	5) A pre meas 6) EUT (amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid		sufficie
(6	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	sufficie
(6	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	
(6	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	
(6	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	
((80.0 dBu	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	
(6	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	
(6 80.0 dBu	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	
((80.0 dBu	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	
(6 80.0 dBu	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	
(6 80.0 dBu	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	
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(6 80.0 dBu	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis	n pass f vity. :	filter were				notes Sid	le Stand	
(6 80.0 dBu 80.0 dBu 80.0 dBu	5) A pre meas 6) EUT ("X" - c	amp ar urement Drthogor	nd high sensitiv nal Axis Laid on	n pass 1 vity. : Table ; '	filter were	tes Vertic	al Stand ;	"Z" - der	notes Sid	le Stand	



-		Afterg					Name :		PL-7624A	
Tempera		25 ℃					e Humidi	,	58 %	
Pressure		1010				Test Vo	oltage :		DC 3V	
Test Mo	de :	RX M	ode 24	41MHz	- 1Mbps					
Freq.	Ant.Pol	Read	dina	Ant./CF	A	^t	l ir	nit	Mar	ain
Fieq.	AIILF OI	Peak	AV	Ant./OF	Peak	AV	Peak	AV	Peak	AV N
(MHz)	H/V		(dBuV)	CF(dB)					(dBuV/m)	
965.23	V	48.84	46.81	-1.29	47.55	45.52	74.00	54.00	-26.45	-8.48 X
(3	that th perfor 2) Meas funda "E" d Requi 3) Radia instru	e Peak r m ∘ mental fr enotes ∣ rement.) ted emis ment usii	reading quency equenc band e ssions r ng Peak	complia range f y°"F" de dge fre measure detecto : within t	nce with t rom 1000 notes fun quency. ed in freq or mode a his freque	he QP Lir OMHz to (damental (This judy uency rai nd AV det ency rang	nits and th 6000MHz frequenc gment m nge abov ector mod e shown '	or the 1 y; "H" der ethod in e 1000M de of the o '* " in the	Oth harmo notes spuri cludes the IHz were emission	urement did onic of highe ous frequent e Band Ed made with
(readir streng 5) A pre meas 6) EUT (ith is too amp an urement Orthogon	small to d high sensitiv al Axis	be mea pass f ity. :	asured. ilter were	e used fo	or this te	st in orc		vide sufficie
(;	readir streng 5) A pre meas 6) EUT (ith is too amp an urement Orthogon	small to d high sensitiv al Axis	be mea pass f ity. :	asured. ilter were	e used fo	or this te	st in orc	ler to pro otes Side \$	vide sufficie Stand
(;	readir streng 5) A pre meas 6) EUT ("X" - c	ith is too amp an urement Orthogon	small to d high sensitiv al Axis	be mea pass f ity. :	asured. ilter were	e used fo	or this te	st in orc	ler to pro otes Side S	vide sufficie Stand
(;	readir streng 5) A pre meas 6) EUT ("X" - c	ith is too amp an urement Orthogon	small to d high sensitiv al Axis	be mea pass f ity. :	asured. ilter were	e used fo	or this te	st in orc	ler to pro otes Side \$	vide sufficie Stand
(;	readir streng 5) A pre meas 6) EUT ("X" - c	ith is too amp an urement Orthogon	small to d high sensitiv al Axis	be mea pass f ity. :	asured. ilter were	e used fo	or this te	st in orc	ler to pro otes Side \$	vide sufficie Stand
(;	readir streng 5) A pre meas 6) EUT ("X" - c	ith is too amp an urement Orthogon	small to d high sensitiv al Axis	be mea pass f ity. :	asured. ilter were	e used fo	or this te	st in orc	ler to pro otes Side \$	vide sufficie Stand
(! 80.0 dBu	readir streng 5) A pre meas 6) EUT ("X" - c	ith is too amp an urement Orthogon	small to d high sensitiv al Axis	be mea pass f ity. :	asured. ilter were	e used fo	or this te	st in orc	ler to pro otes Side \$	vide sufficie Stand
() 80.0 dBu	readir streng 5) A pre meas 6) EUT ("X" - c	ith is too amp an urement Orthogon	small to d high sensitiv al Axis aid on	be mea pass f ity. : Table ; "	asured. ilter were Y" - deno	e used fo	or this te	st in orc	ler to pro otes Side \$	vide sufficie Stand



Tempera Pressure		/	Jow Re	mote F	or Wii	Model	Name :		PL-7624A	١	
Pressure	ature :	25 ℃				Relativ	e Humidi	ty :	58 %		
	э:	1010	hPa			Test Vo	oltage :		DC 3V		
Fest Mo	de :	RX M	ode 24	41MHz	- 1Mbps		U				
Freq.	Ant.Pol.	Read	ding ,	Ant./CF	Ac	t.	Lir	nit	Ма	rgin	
		Peak	AV		Peak	AV	Peak	AV	Peak	AV	No
(MHz)	H/V)(dBuV/m)		
965.72	Н	52.62	49.70	-1.28	51.34	48.42	74.00	54.00	-22.66	-5.58	X
(((All reached that the perform Measure fundare "E" de Require Radiate Instrum Data de reading strenge A preached measure EUT C 	e Peak r m - uring free mental free enotes I rement.) red emis nent usir of measu g of emi th is too amp an urement Orthogon	reading of quency requency band eo ssions n ng Peak urement ssions a small to ad high sensitivi aal Axis :	range f / • "F" de dge fre neasure detecto within t ire atter be mea pass f ity.	nce with the rom 1000 enotes funce quency. (ed in freque his freque nuated mo asured. ilter were	ne QP Lir MHz to (damental This judy uency ran nd AV det ncy rang re than 2 used fo	nits and th 6000MHz frequency gment m nge above e shown " 0dB below or this tes	or the 1 y; "H" der ethod in e 1000N le of the o * " in the v the per- st in orc	te Peak lode meas Oth harmo notes spuri cludes the IHz were emission e table abo missible lir der to pro	surement of hig ous freque e Band made wit ove mean mits or the ovide suff	ghe enc Edg h a s th s th
80.0 dB	uV/m										-
									Lim		
										-	
											-
40											



EUT :							Name :		PL-762	ΔΝ		
Tempera	oturo :	25 °(<u> </u>	emote F			/e Humid		58 %	.+/		
•												
Pressure		1010				lest v	oltage :		DC 3V			
Test Mo	de :		lode 24	180MHz	- 1Mbps							
Freq.	Ant.Pol.	Rea	ding	Ant./CF	A	ot.	Lir	nit	N	/largin		
	H/V	Peak			Peak (dBuV/m)	AV	Peak	AV (dPu)//m	Peak			No
(MHz) 712.65	V	(ubuv) 52.68	49.32	-4.07	48.61	45.25	(uBuv/iii) 74.00	54.00	-25.3			Χ/
(perfor 2) Meas funda "E" d Requi 3) Radia instrui 4) Data o readir streng	m ∘ uring fre mental fi enotes rement. ted emi ment usi of meas ig of em th is too	equency requency band e) ssions ng Pea uremen issions small to	range cy∘"F" de edge fre measure k detect t within are atte o be me		OMHz to Indamenta (This juc Juency ra Ind AV de ency rang ore than 2	6000MHz I frequenc Igment m nge abov tector mod le shown 20dB belo	x or the 1 by; "H" der nethod in re 1000M de of the " * " in the w the per	Oth har notes sp cludes IHz wer emissio e table a missible	rmonic o ourious f the Ba re made n ∘ above n e limits c	of hig reque and E e with neans or the	ghes enc <u>y</u> Edg h a s th
	meas 6) EUT (urement Orthogor	sensitiv nal Axis	vity. :	"Y" - denc	e used f						cier
(meas 6) EUT (urement Orthogor	sensitiv nal Axis	vity. :					otes Sic			
(meas 6) EUT ("X" - c	urement Orthogor	sensitiv nal Axis	vity. :					otes Sic	de Stand		
(meas 6) EUT ("X" - c	urement Orthogor	sensitiv nal Axis	vity. :					otes Sic	de Stand		



Temperature : 25 °C Relative Humidity : 58 % Pressure : 1010 hPa Test Voltage : DC 3V Test Mode : RX Mode 2480MHz - 1Mbps RX Mode 2480MHz - 1Mbps Freq. Ant.Pol. Reading Ant./CF Act. Limit Margin Peak AV Peak AV Peak AV Peak AV N (MHz) H/V (dBuV) (CF(dB) (dBuV/m) (dBuV/m) (dBuV/m) N	EUT :		After	glow R	emote F	or Wii	Model	Name :		PL-7624	4A	
Test Mode RX Mode 2480MHz - 1Mbps Freq. Ant.Pol. Reading Ant./CF Act. Limit Margin Yeak AV Peak Audited Adited Peak Ad	[emperation	ature :	25 °(2			Relati	ve Humid	ity :	58 %		
RX Mode 2480MHz - 1Mbps Freq. Ant //CF Act. Limit Margin Freq. Ant //CF Act. Limit Margin Peak AV Peak AI 2 Colspan="2" Colspan= 200 54.00 -24.29 -6.47 2 A Peak Peak AI O Colspan= 2	-		1010	hPa					<u> </u>	DC 3V		
Peak AV P	ſest Mo	de :	RX N	/lode 24	480MHz	: - 1Mbps		0				
Peak AV P	Frea	Ant Pol	Read	dina	Ant /CF	Ad	ot.	Lir	nit	N	largin	
712.65 H 53.78 51.60 -4.07 49.71 47.53 74.00 54.00 -24.29 -6.47 > Remark : (1) All readings are Peak unless otherwise stated QP in column of "Note " Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement did perform °. (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highe fundamental frequency. "F" denotes fundamental frequency, "H" denotes spurious frequenc "E" denotes band edge frequency. (This judgment method includes the Band Ed Requirement.) (3) Radiated emissions measured in frequency range above 1000MHz were made with instrument using Peak detector mode and AV detector mode of the emission ~ (4) Data of measurement within this frequency range shown ** " in the table above means t reading of emissions are attenuated more than 20dB below the permissible limits or the fit strength is too small to be measured. (5) A preamp and high pass filter were used for this test in order to provide sufficie measurement sensitivity. (6) EUT Orthogonal Axis : "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand : "Z" - denotes Side Stand 80.0 dew/m	-		Peak	AV		Peak				Peak	AV	No
 (1) All readings are Peak unless otherwise stated QP in column of "Note ". Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement did perform • (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of higher fundamental frequency. "F" denotes fundamental frequency, "H" denotes spurious frequenc "E" denotes band edge frequency. (This judgment method includes the Band Ed Requirement.) (3) Radiated emissions measured in frequency range above 1000MHz were made with a instrument using Peak detector mode and AV detector mode of the emission • (4) Data of measurement within this frequency range shown " * " in the table above means t reading of emissions are attenuated more than 20dB below the permissible limits or the fit strength is too small to be measured. (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity. (6) EUT Orthogonal Axis : "X" - denotes Laid on Table : "Y" - denotes Vertical Stand : "Z" - denotes Side Stand #40 	\ /		, ,	· /		· /	,	· /	•	/ (/ X/
80.0 dBuV/m	(((that the performance of the performance of	ne Peak rm suring free imental f lenotes irement. ated emi ment us of meas of meas ng of em gth is too eamp an surement Orthogo	reading equency frequent band) issions ing Pea suremer hissions o small f nd high t sensiti nal Axis	y range cy∘"F" de edge fre measure ak detect to twithin are atte to be me n pass ivity.	from 100 enotes fur equency. ed in frec or mode a this freque nuated me easured. filter were	the QP Li OMHz to Idamenta (This juc quency ra and AV de ency rang ore than 2 e used f	mits and t 6000MHz I frequence Igment m inge abov tector mod ge shown 20dB belo or this te	then QP N c or the f cy; "H" den nethod in we 1000N de of the " * " in th w the per est in or	Node me 10th harr notes spu cludes 1Hz were emission e table a missible der to p	asurement monic of higurious frequent the Band e made with n o bove mean limits or the provide suff	ghes ency Edge th ai s the s field
40	80.0 dB	uV/m]
40												
40	1											
	40											1
0.0												
0.0												
0.0												
1000.000 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00 MH		0 3550.00	6100.0	0 865	0.00 11	200.00 13	750.00 16	300.00 18	850.00 21	400.00	26500.00	_)MHz

5. NUMBER OF HOPPING CHANNEL

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C							
Section	Test Item	Frequency Range (MHz)	Result				
15.247 (a)(1)(iii)	Number of Hopping Channel	2400-2483.5	PASS				

5.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING

lte	em	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
	1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.25.2012

Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of Equipment List is One Year.

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RB	100 kHz
VB	100 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = Auto.

5.1.3 DEVIATION FROM STANDARD

No deviation.

5.1.4 TEST SETUP

EUT	SPECTRUM
	ANALYZER

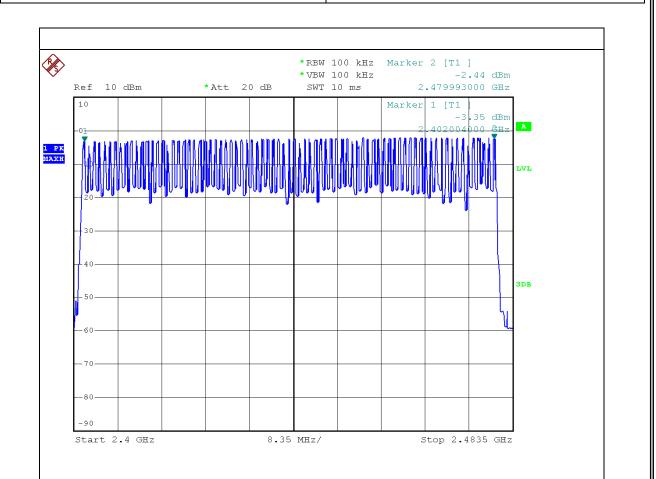
5.1.5 EUT OPERATION CONDITIONS



EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1009 hPa	Test Voltage :	DC 3V
Test Mode :	Hopping Mode -1Mbps		

79

Number of Hopping Channel



Date: 12.SEP.2012 21:08:38

6. AVERAGE TIME OF OCCUPANCY

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247), Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS

6.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.25.2012

Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of Equipment List is One Year.

6.1.2 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyzer
- b. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- c. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- d. Sweep Time is more than once pulse time.
- e. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- f. Measure the maximum time duration of one single pulse.
- g. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- \tilde{h} . Measure the maximum time duration of one single pulse.
- i. DH5 Packet permit maximum 1600/ 79 / 6 = 3.37 hops per second in each channel (5 time slots TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times 3.37 x 31.6 = 106.6 within 31.6 seconds.
- j. DH3 Packet permit maximum 1600 / 79 / 4 = 5.06 hops per second in each channel (3 time slots TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times 5.06 x 31.6 = 160 within 31.6 seconds.
- k. DH1 Packet permit maximum 1600 / 79 /2 = 10.12 hops per second in each channel (1 time slot RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times 10.12 x 31.6 = 320 within 31.6 seconds.

6.1.3 DEVIATION FROM STANDARD

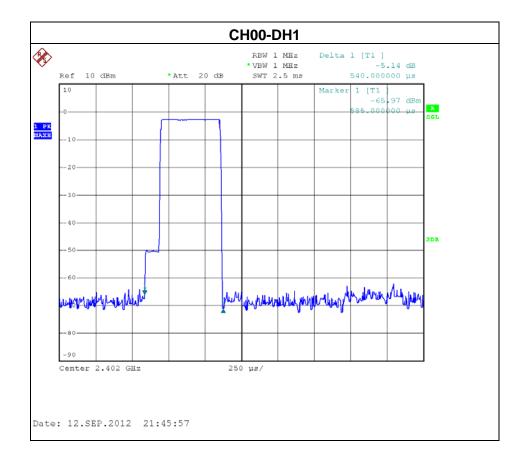
No deviation.

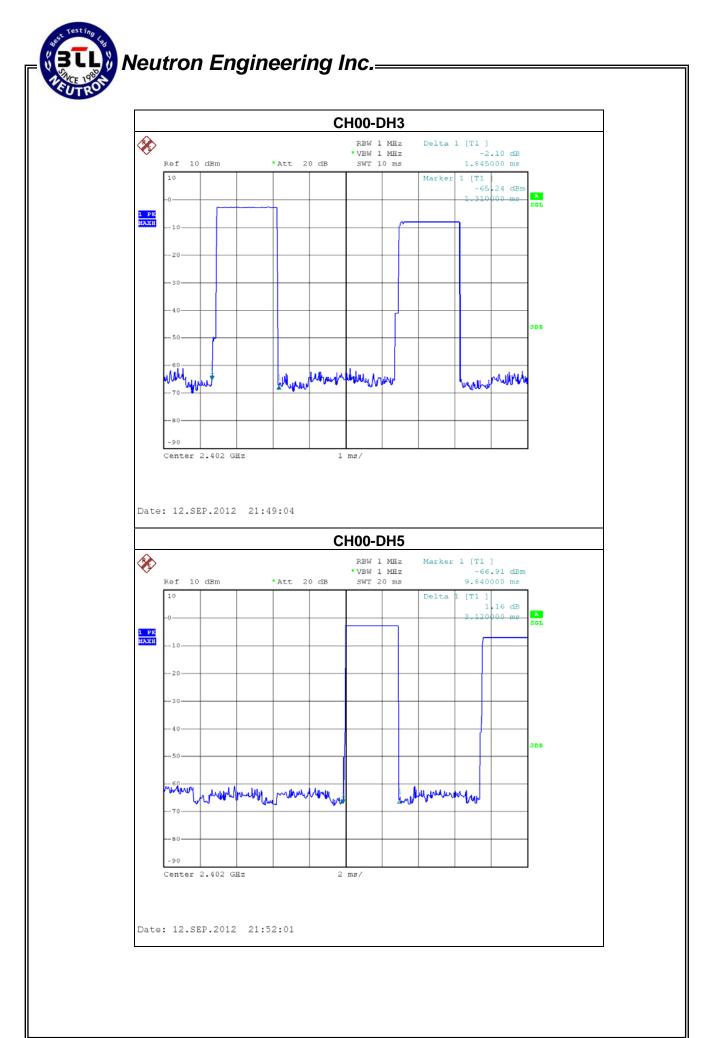
s Testing ly	
Neutron Engineering	g Inc
.4 TEST SETUP	
EUT	SPECTRUM
	ANALYZER
.5 EUT OPERATION CONDITIONS	
e EUT tested system was configured as t	he statements of 4.1.6 Unless otherwise a specia
erating condition is specified in the follows	s during the testing.



EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1009 hPa	Test Voltage :	DC 3V
Test Mode :	CH00-DH1/DH3/DH5 -1Mbps		

Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH5	2402 MHz	3.1200	0.3328	0.4000
DH3	2402 MHz	1.8450	0.2952	0.4000
DH1	2402 MHz	0.5400	0.1728	0.4000

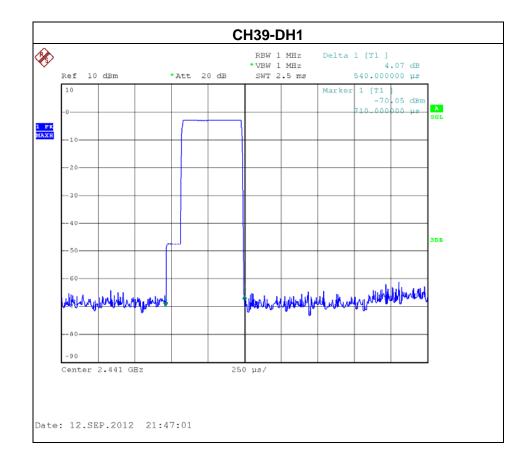




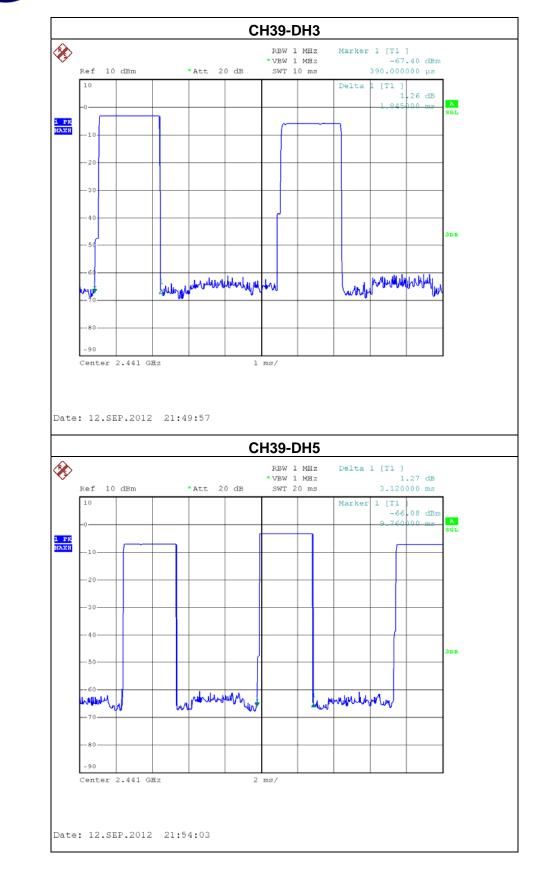
Report No.: NEI-FICP-1-1209C023

EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1009 hPa	Test Voltage :	DC 3V
Test Mode :	CH39 -DH1/DH3/DH5 -1Mbps		

Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH5	2441 MHz	3.1200	0.3328	0.4000
DH3	2441 MHz	1.8450	0.2952	0.4000
DH1	2441 MHz	0.5400	0.1728	0.4000

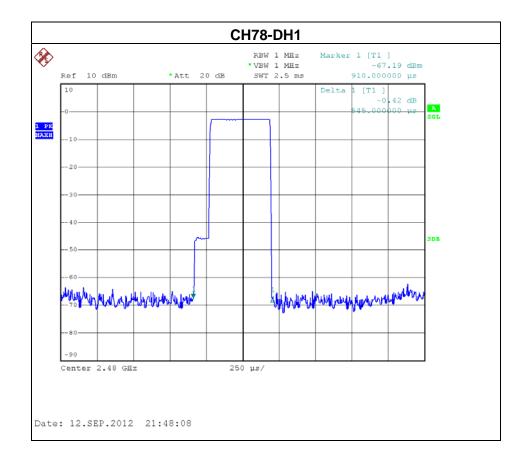


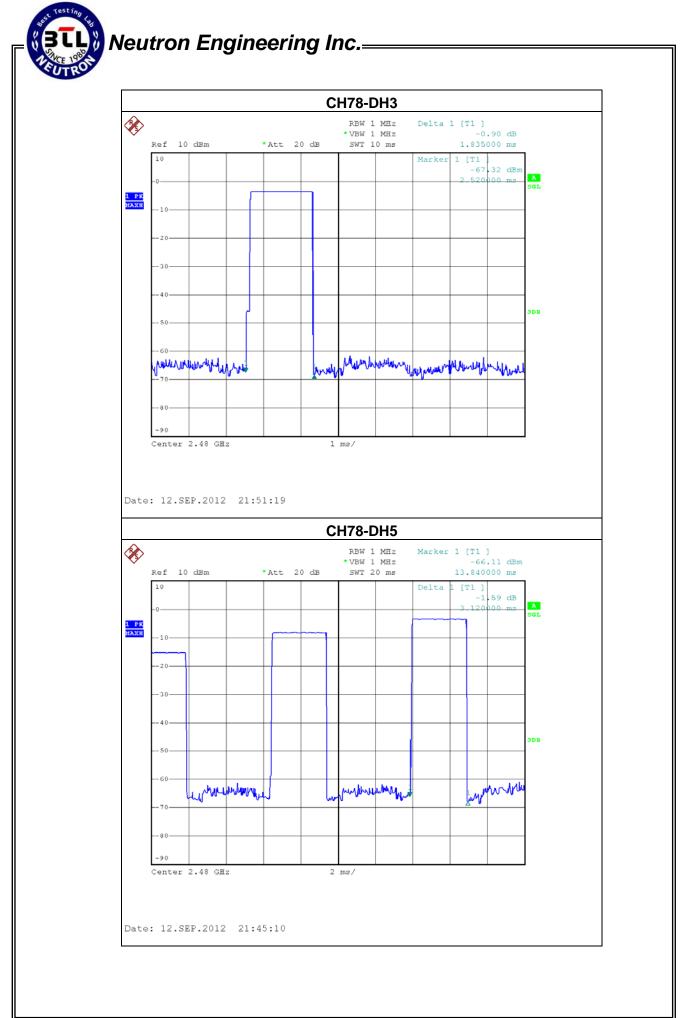




EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1009 hPa	Test Voltage :	DC 3V
Test Mode :	CH78 -DH1/DH3/DH5-1Mbps		

Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH5	2480 MHz	3.1200	0.3328	0.4000
DH3	2480 MHz	1.8350	0.2936	0.4000
DH1	2480 MHz	0.5450	0.1744	0.4000







7. HOPPING CHANNEL SEPARATION MEASUREMENT

7.1 APPLIED PROCEDURES / LIMIT

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

7.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.25.2012

Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of Equipment List is One Year.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency > Measurement Bandwidth or Channel Separation	
RB	30 kHz
VB	100 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

7.1.2 TEST PROCEDURE

- a. The EUT must have its hopping function enabled
- b. Span = wide enough to capture the peaks of two adjacent channels Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span Video (or Average) Bandwidth (VBW) ≥ RBW Sweep = auto Detector function = peak Trace = max hold

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP



Spectrum Analayzer

EUT

7.1.5 EUT OPERATION CONDITIONS

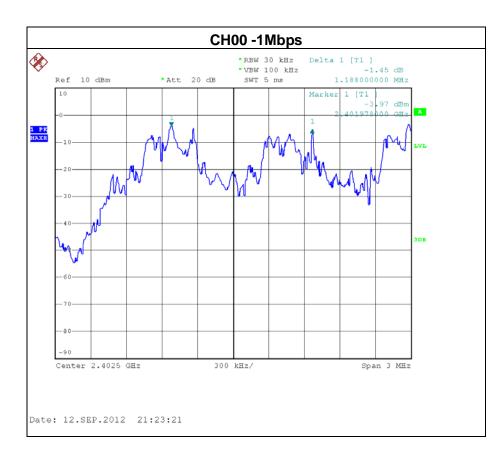
The EUT was programmed to be in hopping mode.

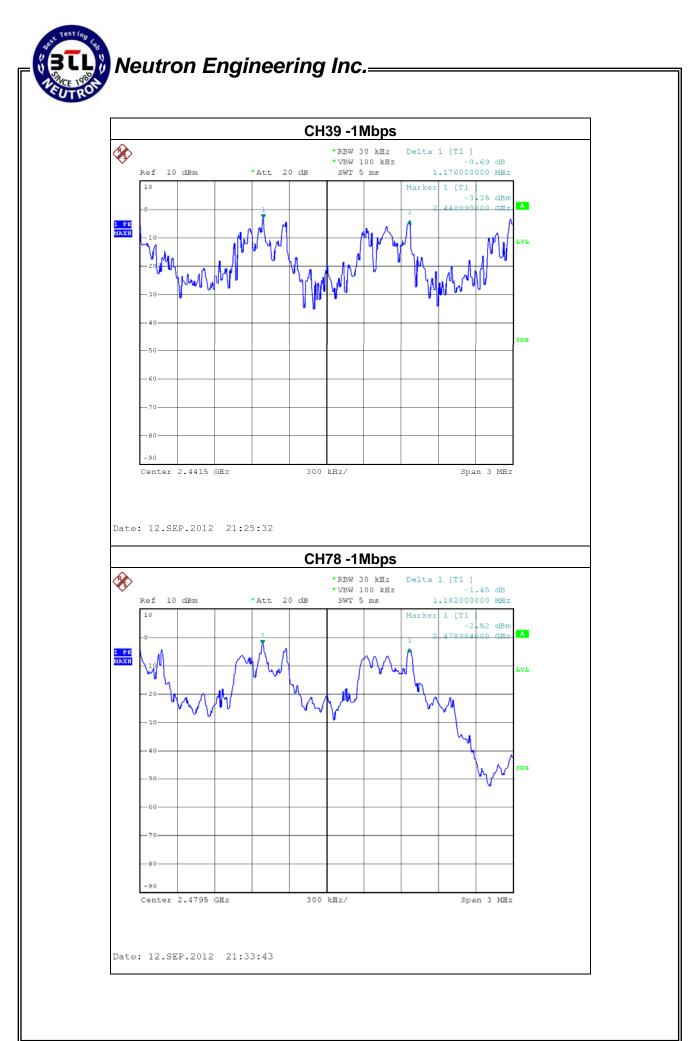


EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1009 hPa	Test Voltage :	DC 3V
Test Mode :	CH00 / CH39 /CH78-1Mbps		

Frequency	Ch. Separation (MHz)	20dB Bandwidth (MHz)	Result
2402 MHz	1	1.05	Complies
2441 MHz	1	1.03	Complies
2480 MHz	1	1.03	Complies

Ch. Separation Limits: >20dB bandwidth or >2/3 of 20dB bandwidth





8. BANDWIDTH TEST

8.1 APPLIED PROCEDURES / LIMIT

	FCC Part15 (15.247), Subpart C				
S	Section	Test Item	Limit	Frequency Range (MHz)	Result
	15.247 (a)(2)	Bandwidth	<= 1 MHz (20dB bandwidth)	2400-2483.5	PASS

8.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.25.2012

Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of Equipment List is One Year.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	30 kHz (20dB Bandwidth) / 30 kHz (Channel Separation)
VB	100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

8.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 30KHz, VBW=100KHz, Sweep time = Auto.

8.1.3 DEVIATION FROM STANDARD

No deviation.

8.1.4 TEST SETUP

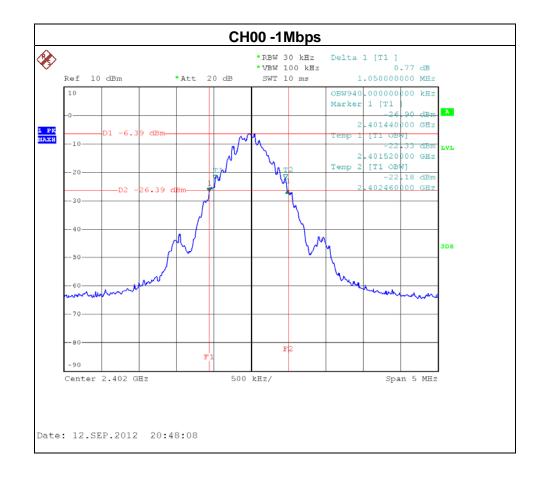
EUT	SPECTRUM	[
	ANALYZER	

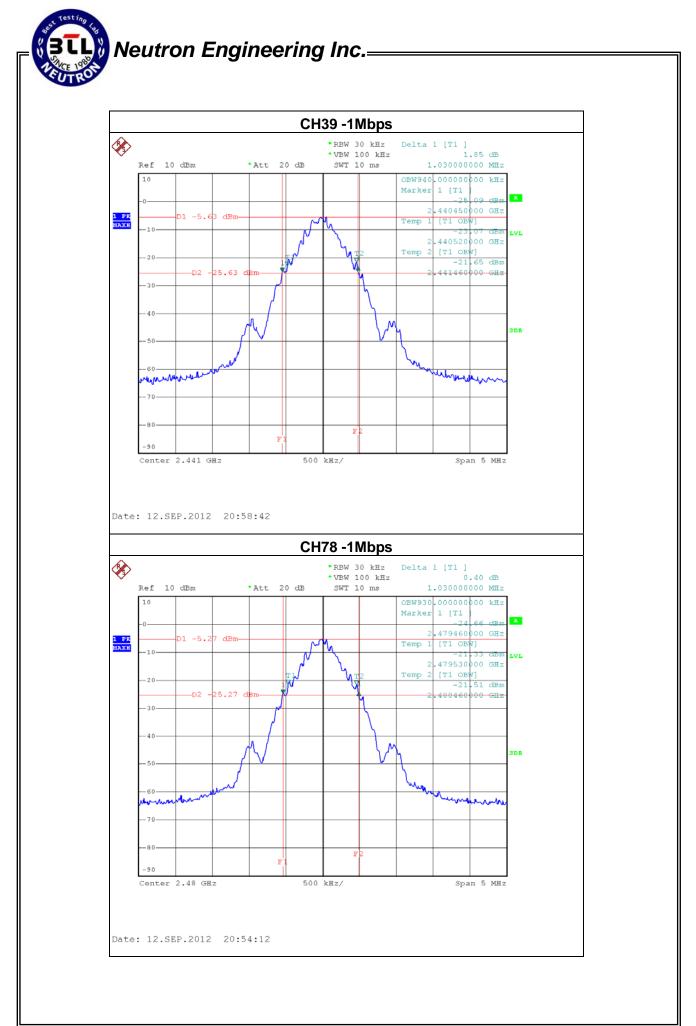
8.1.5 EUT OPERATION CONDITIONS



	Afterniew Demote Fer Mi	Madal Nama	
EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1009 hPa	Test Voltage :	DC 3V
Test Mode :	CH00 / CH39 /CH78-1Mbps		

Frequency	20dB Bandwidth (MHz)	99% OBW (MHz)	Channel Separation (MHz)	Result
2402 MHz	1.05	0.94	<= 1MHz	PASS
2441 MHz	1.03	0.94	<= 1MHz	PASS
2480 MHz	1.03	0.93	<= 1MHz	PASS





9. PEAK OUTPUT POWER TEST

9.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (b)(1)	Peak Output Power	0.125 watt or 21dBm	2400-2483.5	PASS

9.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.25.2012

Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of Equipment List is One Year.

9.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b. Spectrum Setting : RBW= 3MHz, VBW= 3MHz, Sweep time = Auto.

9.1.3 DEVIATION FROM STANDARD

No deviation.

9.1.4 TEST SETUP

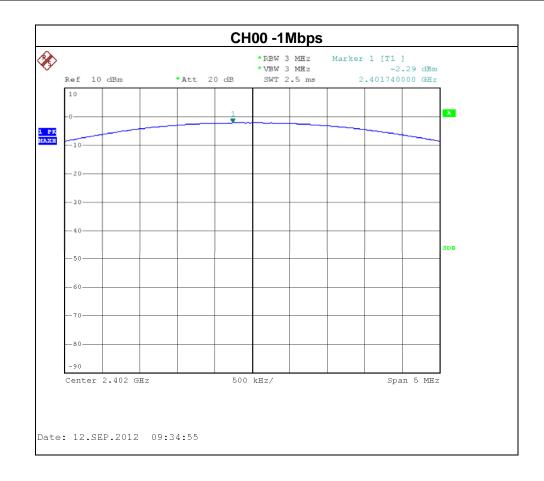


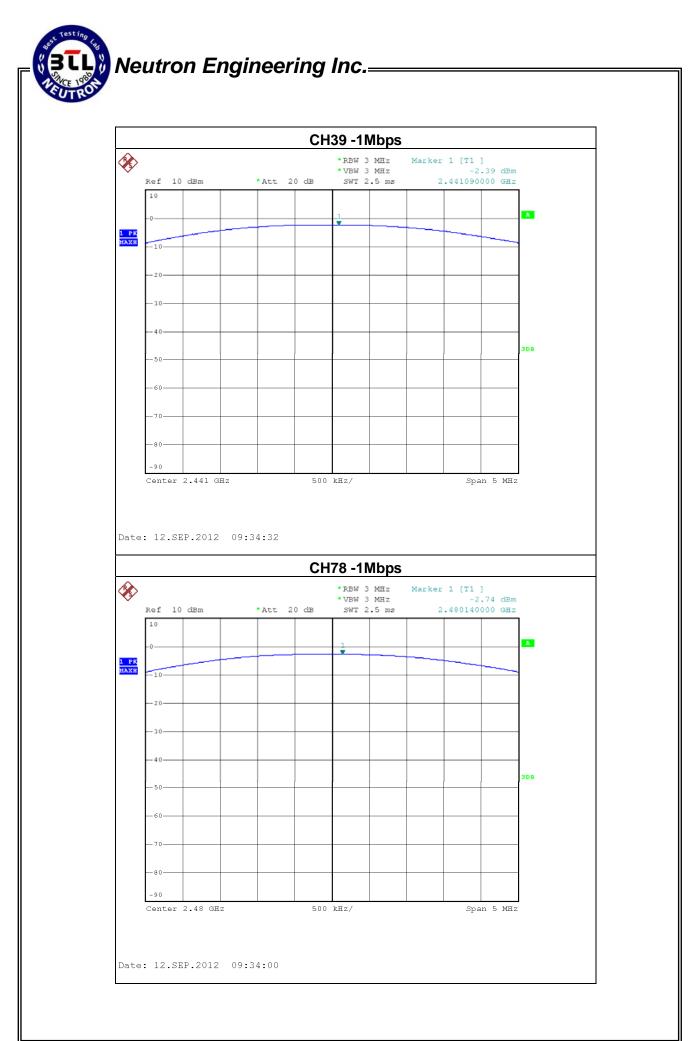
9.1.5 EUT OPERATION CONDITIONS



EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1009 hPa	Test Voltage :	DC 3V
Test Mode :	CH00/ CH39 /CH78 -1Mbps		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH00	2402	-2.29	21	0.125
CH39	2441	-2.39	21	0.125
CH78	2480	-2.74	21	0.125





10. ANTENNA CONDUCTED SPURIOUS EMISSION

10.1 APPLIED PROCEDURES / LIMIT

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

10.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING

Ite	m Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
	Spectrum Analyzer	R&S	FSP 40	100185	Nov.25.2012

Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of Equipment List is One Year.

10.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = Auto.

10.1.3 DEVIATION FROM STANDARD

No deviation.

10.1.4 TEST SETUP

EUT	SPECTRUM	
	ANALYZER	

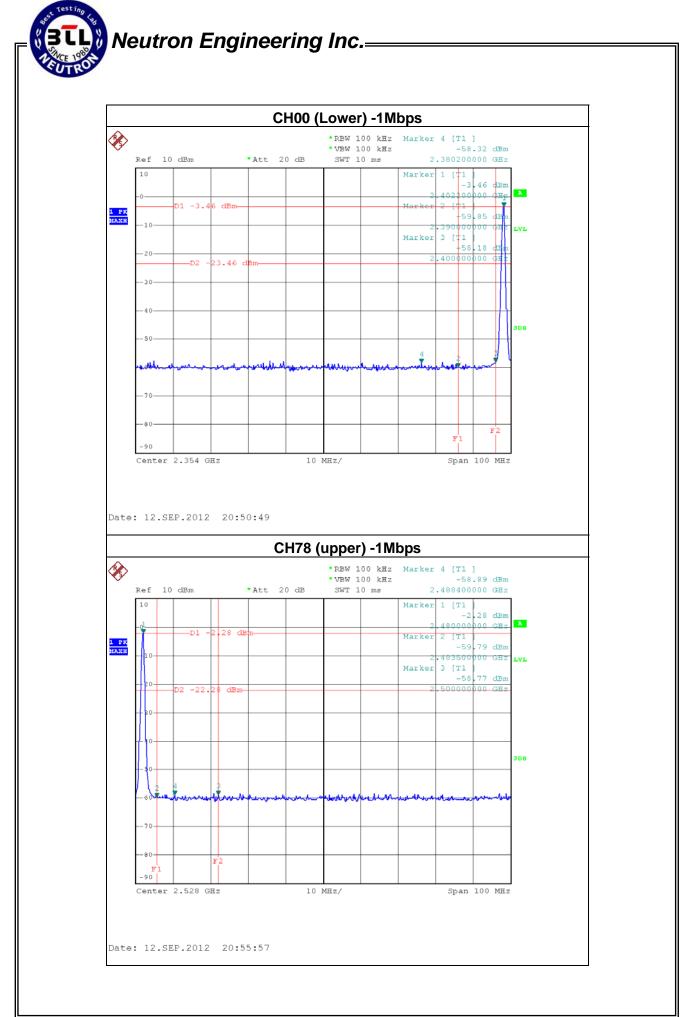
10.1.5 EUT OPERATION CONDITIONS

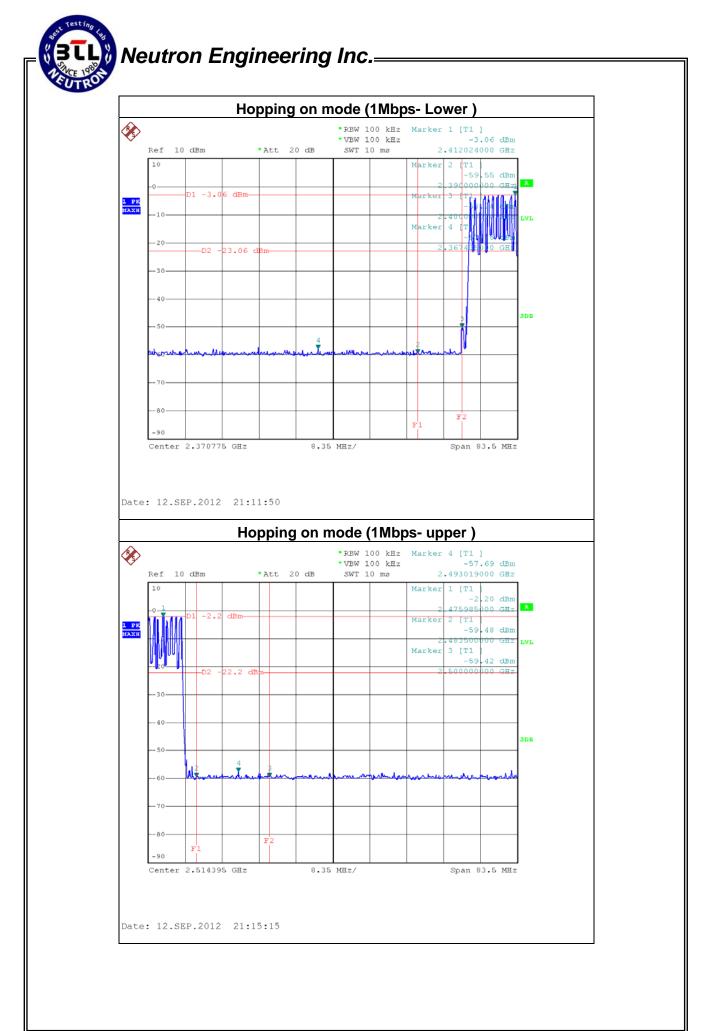


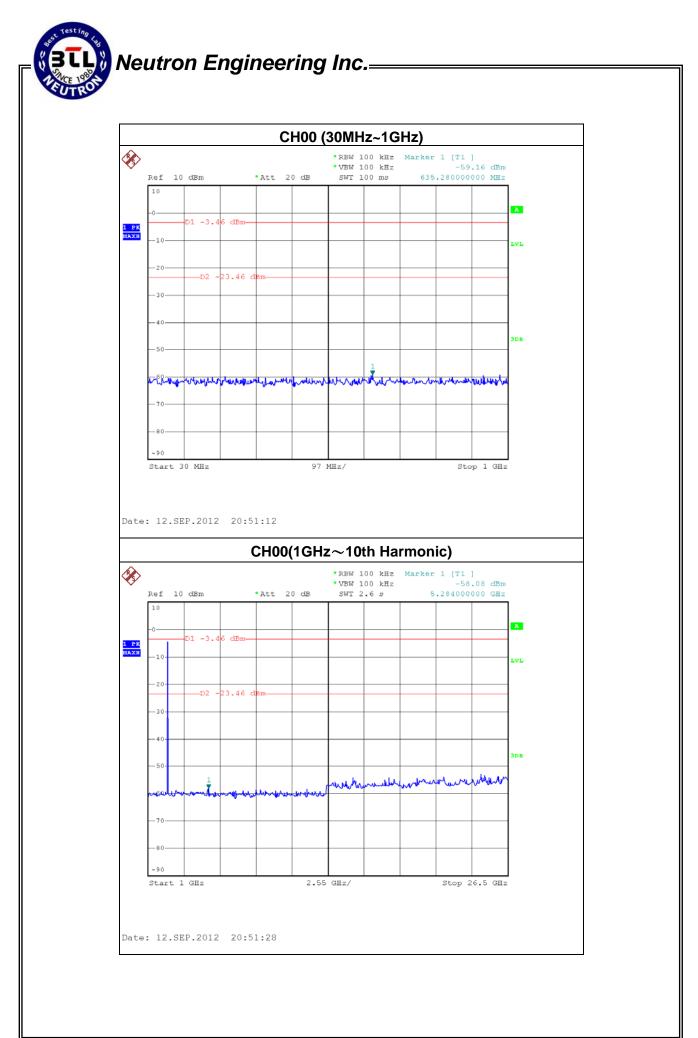
EUT :	Afterglow Remote For Wii	Model Name :	PL-7624A
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1009 hPa	Test Voltage :	DC 3V
Test Mode :	CH00 / CH39/ CH78-1Mbps & Hopping on mode (1Mbps)		

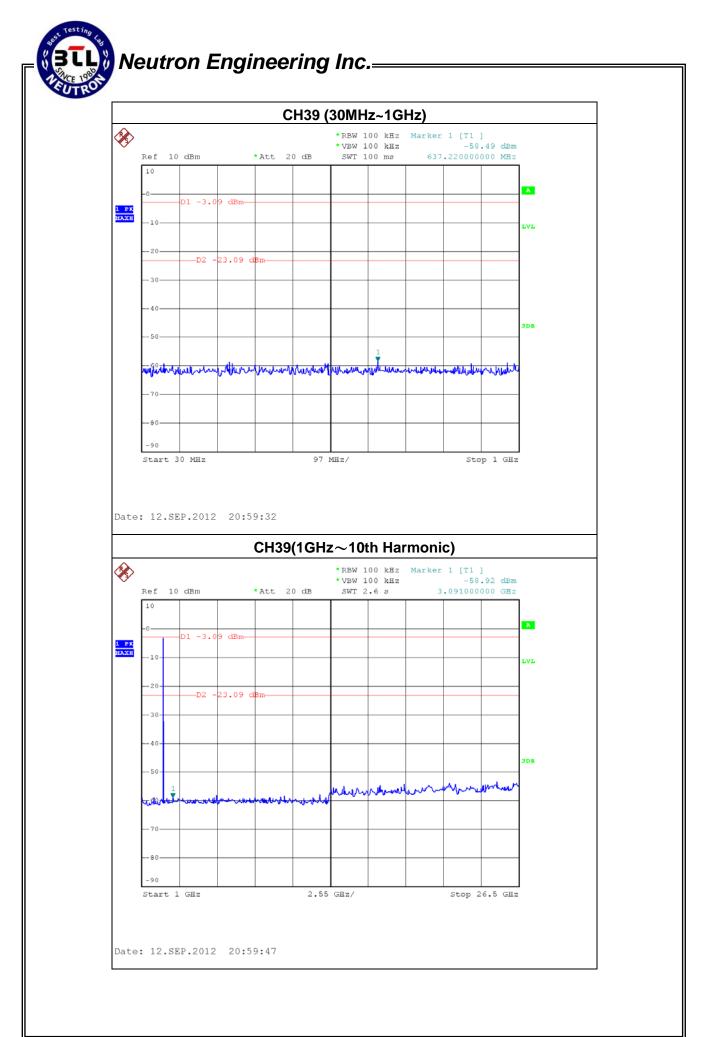
The max. radio frequency power in any 100kHz bandwidth within the frequency band		The max. radio frequency power in any 100 kHz bandwidth within the frequency band.		
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)	
2400.00	-58.18	2500.00	-58.77	
Result				

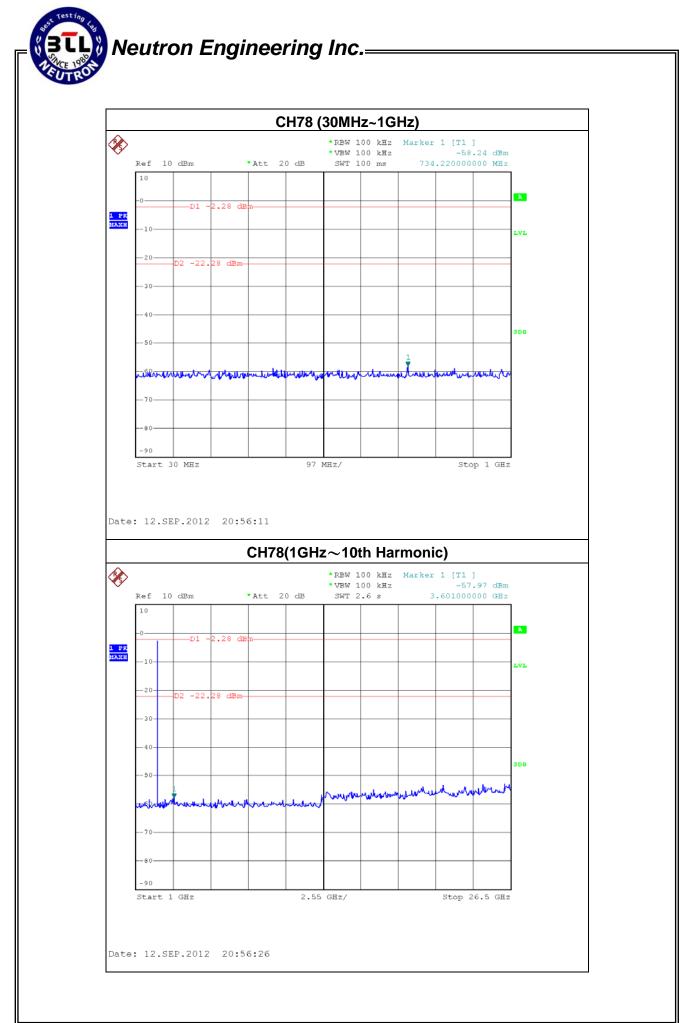
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.













11. EUT TEST PHOTO

Radiated Measurement Photos 9K-30MHz







Radiated Measurement Photos 30-1000MHz





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Radiated Measurement Photos Above 1000MHz





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