FCC EMC TEST REPORT

CERTIFICATE

according to

47 CFR FCC Part 15 Subpart B

Equipment	:	**802.11g / 802.11n WLAN PCI-E Mini Card**
Model No.	:	**WLL6190**
Brand Name	:	**Askey**
Filing Type	:	**New Application**
Applicant	:	**Askey Computer Corporation** 10F, NO. 119, CHIENKANG RD., CHUNG-HO, TAIPEI, TAIWAN, 23585 R.O.C.
FCC ID	:	**H8N-WLL6190**
Manufacturer	:	**ASKEY COMPUTER CORP.** 10F, NO. 119, CHIENKANG RD., CHUNG-HO, TAIPEI, TAIWAN, 23585 R.O.C.
Received Date	:	Nov. 30, 2010
Final Test Date	:	Dec. 31, 2010

Statement

The test result in this report refers exclusively to the presented test model / sample.

Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.

The measurements and test results shown in this test report were made in accordance with the procedures and found in compliance with the limit given in **ANSI C63.4-2003** and **47 CFR FCC Part 15 Subpart B**.

The test equipment used to perform the test is calibrated and traceable to NML/ROC.

Testing Laboratory
1190

Table of Contents

History of This Test Report

Original Issue Date: Jan. 17, 2011

Report No.: FC0N1124

■ No additional attachment.

□ Additional attachment were issued as following record:

Report No.	Issue Date	Description

CERTIFICATE OF COMPLIANCE

CERTIFICATE

according to

47 CFR FCC Part 15 Subpart B

Equipment	:	802.11g / 802.11n WLAN PCI-E Mini Card
Model No.	:	WLL6190
Brand Name	:	Askey
Applicant	:	Askey Computer Corporation 10F, NO. 119, CHIENKANG RD., CHUNG-HO, TAIPEI, TAIWAN, 23585 R.O.C.

WE HEREBY CERTIFY THAT:

The measurements shown in this test report were made in accordance with the procedures given in ANSI C63.4-2003 and the energy emitted by this equipment were passed 47 CFR FCC Part 15 Subpart B. Testing was carried out on Dec. 31, 2010 at SPORTON International Inc. LAB.

Wayne Hsu Vice Manager

SPORTON International Inc.

No. 52 Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

1 SUMMARY OF THE TEST RESULT

Applied Standard: 47 CFR FCC Part 15 Subpart B				
Part	**Rule Section**	**Description of Test**	**Result**	**Under Limit**
3.1	15.107	AC Power Line Conducted Emissions	Complies	11.10 dB
3.2	15.109	Radiated Emissions	Complies	3.70 dB

Test Items	Uncertainty	Remark
AC Power Line Conducted Emissions	±2.3dB	Confidence levels of 95%
Radiated Emissions	±1.9dB	Confidence levels of 95%

2 GENERAL INFORMATION

2.1 Product Details

The RF detail of EUT is shown in this report. For more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.2 Table for Filed Antenna

Ant.	Antenna Type	Connector	Gain (dBi)	Remark
A	PIFA Antenna	U.FL	4.72	TX / RX
B	PIFA Antenna	U.FL	4.72	TX / RX

IEEE 802.11n Modulation Scheme

MCS Index	Nss	Modulation	R	NBPSC	NCBPS		NDBPS		Data rate(Mbps)	
									800nsGI	
					20MHz	40MHz	20MHz	40MHz	20MHz	40MHz
0	1	BPSK	1/2	1	52	108	26	54	6.5	13.5
1	1	QPSK	1/2	2	104	216	52	108	13.0	27.0
2	1	QPSK	3/4	2	104	216	78	162	19.5	40.5
3	1	16-QAM	1/2	4	208	432	104	216	26.0	54.0
4	1	16-QAM	3/4	4	208	432	156	324	39.0	81.0
5	1	64-QAM	2⁄3	6	312	648	208	432	52.0	108.0
6	1	64-QAM	3/4	6	312	648	234	486	58.5	121.5
7	1	64-QAM	5⁄6	6	312	648	260	540	65.0	135.0
8	2	BPSK	1/2	1	104	216	52	108	13.0	27.0
9	2	QPSK	1/2	2	208	432	104	216	26.0	54.0
10	2	QPSK	3/4	2	208	432	156	324	39.0	81.0
11	2	16-QAM	1/2	4	416	864	208	432	52.0	108.0
12	2	16-QAM	3/4	4	416	864	312	648	78.0	162.0
13	2	64-QAM	2⁄3	6	624	1296	416	864	104.0	216.0
14	2	64-QAM	3/4	6	624	1296	468	972	117.0	243.0
15	2	64-QAM	5⁄6	6	624	1296	520	1080	130.0	270.0

Symbol	Explanation
NSS	Number of spatial streams
R	Code rate
NBPSC	Number of coded bits per single carrier
NCBPS	Number of coded bits per symbol
NDBPS	Number of data bits per symbol
GI	guard interval

2.3 Table for Test Modes

Investigation has been done on the entire possible Configuration for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode
AC Power Line Conducted Emissions	Normal Mode
Radiated Emissions (30MHz~1GHz)	Normal Mode
Radiated Emissions (1GHz~5th harmonic of highest frequency)	CRX 802.11g CH 6 / CRX 802.11n CH 6 (20MHz) / CRX 802.11n CH 6 (40MHz)

2.4 Table for Testing Locations

Test Site No.	Site Category	Location
CO04-HY	Conduction	Hwa Ya
03CH02-HY	SAC	Hwa Ya

Semi Anechoic Chamber (SAC).

2.5 Table for Supporting Units

Support Unit	Brand	Model	FCC ID	Remark
(USB)Mouse	HP	M-S69	DoC	Conducted Emissions
iPod Nano	APPLE	A1199	DoC	
Notebook	DELL	PP20L	N/A	
Wireless AP (Remote workstation)	D-Link	DNS-G120	DoC	
Test Fixture	-	-	-	
Notebook	DELL	PP20L	N/A	Radiated Emissions
Test Fixture	-	-	-	
Mouse	Microsoft	1004	DoC	
iPod Nano	APPLE	A1199	DoC	

Note：The test fixture provides is by customer.

2.6 EUT Operation during Test

An executive program, “EMCTEST.EXE” under WIN XP, which generates a complete line of continuously repeating “H“ pattern was used as the test software.

Conducted and Radiated:

The program was executed as follows :

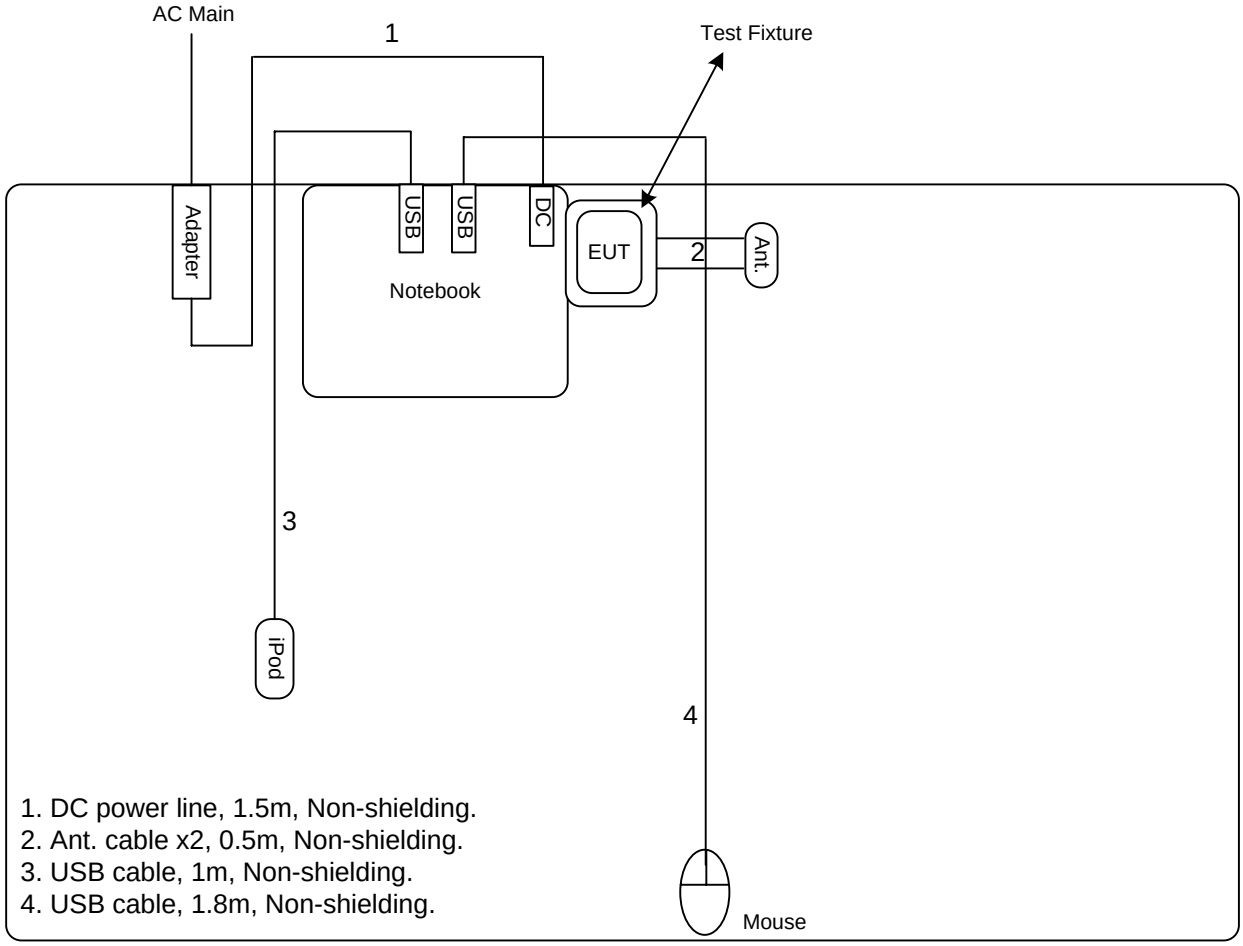
a. Turn on the power of all equipment.
b. The NB reads the test program from the hard disk drive and runs it.
c. The NB sends "H" messages to the panel and displays "H" patterns on the screen.

At the same time, " WINTHRAX.EXE " was executed to read and write data from EUT.

At the same time, "Ping.exe" to link with the remote workstation to receive and transmit data by wireless.

2.7 Test Configuration

2.7.1 Radiation Emissions Test Configuration



1. DC power line, 1.5m, Non-shielding.
2. Ant. cable x2, 0.5m, Non-shielding.
3. USB cable, 1m, Non-shielding.
4. USB cable, 1.8m, Non-shielding.

3 TEST RESULT

3.1 AC Power Line Conducted Emissions Measurement

3.1.1 Limit

For this product which is designed to be connected to the AC power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed below limits table.

Class B

Frequency (MHz)	QP Limit (dBuV)	AV Limit (dBuV)
0.15~0.5	66~56	56~46
0.5~5	56	46
5~30	60	50

3.1.2 Measuring Instruments and Setting

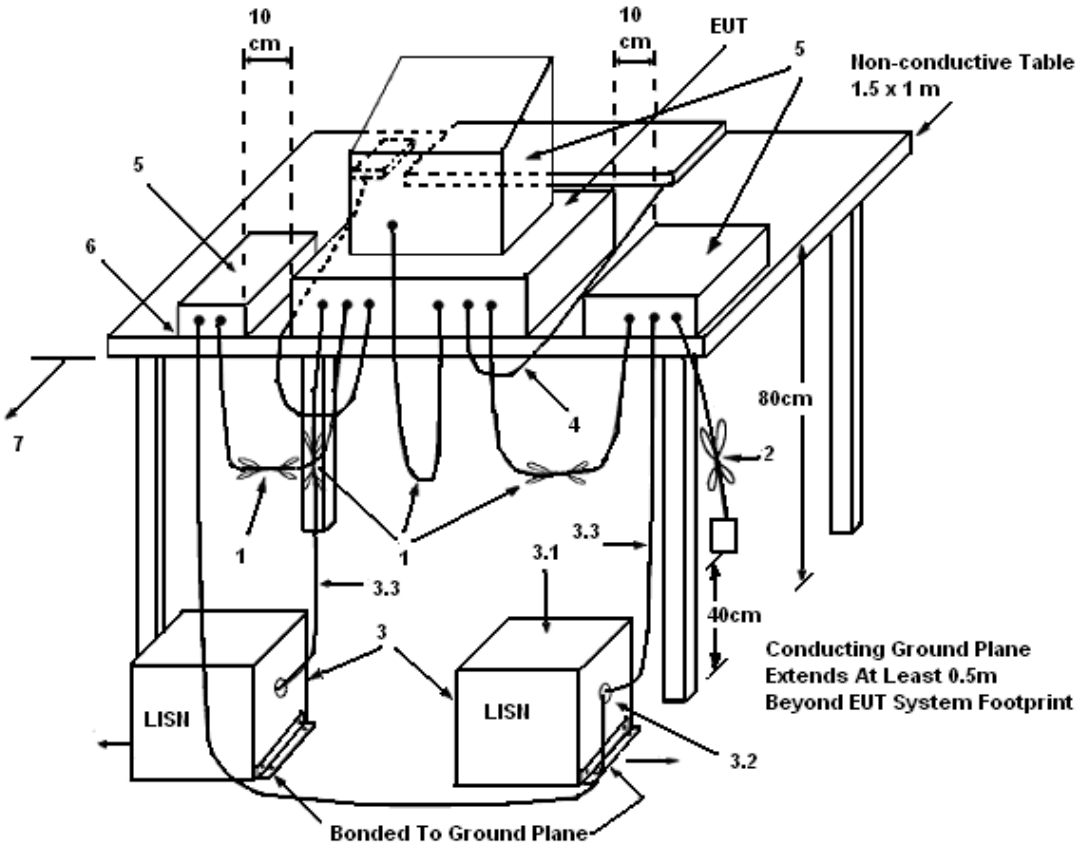
Please refer to section 4 of equipments list in this report. The following table is the setting of the receiver.

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

3.1.3 Test Procedures

1. The EUT or host of EUT has to be placed 0.4 meter far from the conducting wall of the shielding room and at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT or host of EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connected to the other LISNs. The LISN should provide 50uH/50ohms coupling impedance.
4. The frequency range from 150 KHz to 30 MHz was searched.
5. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. The measurement has to be done between each power line and ground at the power terminal.

3.1.4 Test Setup Layout



LEGEND:

(1) 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.

(2) 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.

(3) EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω. LISN can be placed on top of, or immediately beneath, reference ground plane.

(3.1) All other equipment powered from additional LISN(s).

(3.2) Multiple outlet strip can be used for multiple power cords of non-EUT equipment.

(3.3) LISN at least 80 cm from nearest part of EUT chassis.

(4) Cables of hand-operated devices, such as keyboards, mice, etc., shall be placed as for normal use.

(5) Non-EUT components of EUT system being tested.

(6) Rear of EUT, including peripherals, shall all be aligned and flush with rear of tabletop.

(7) Rear of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.

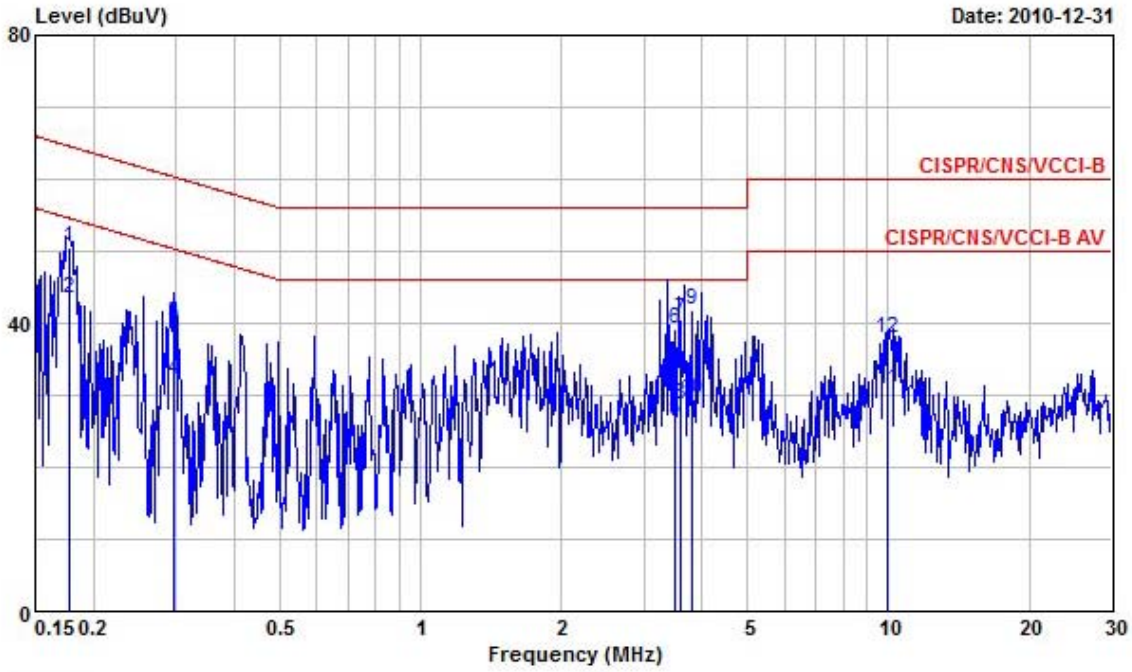
3.1.5 Test Deviation

There is no deviation with the original standard.

3.1.6 Results of AC Power Line Conducted Emissions Measurement

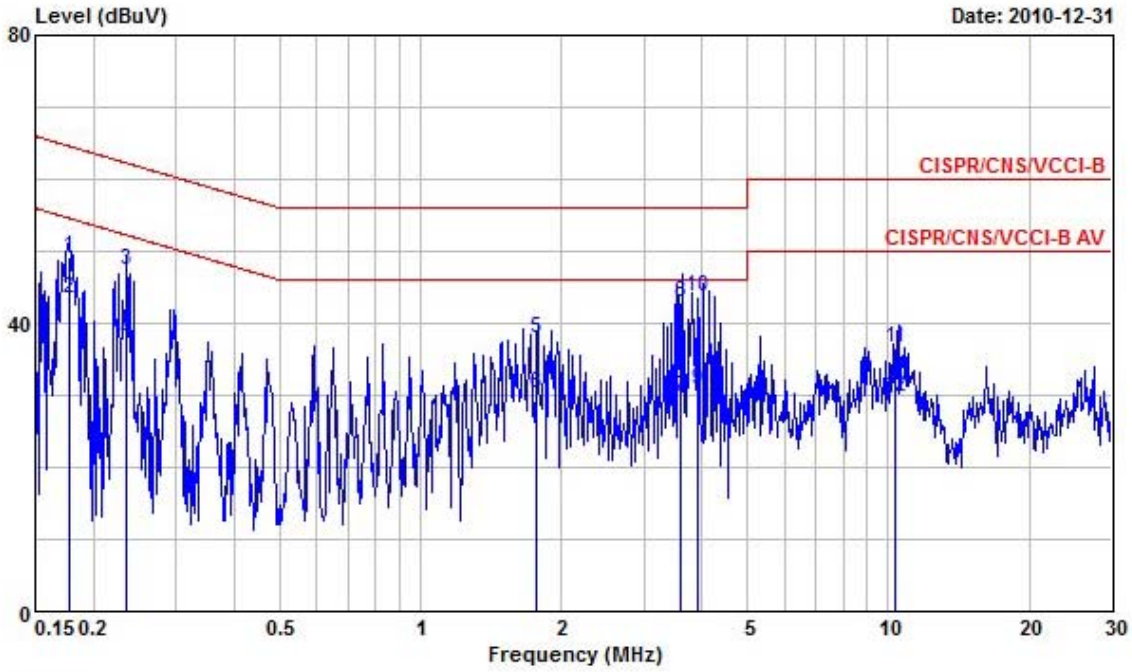
Final Test Date	Dec. 31, 2010	**Test Site No.**	CO04-HY
Temperature	20.1℃	**Humidity**	50.2%
Test Engineer	Jason	**Configuration**	Normal Mode

Line



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1777150	50.44	-14.15	64.59	50.28	0.08	0.08	QP
2	@0.1777150	43.49	-11.10	54.59	43.33	0.08	0.08	Average
3	0.2971150	39.89	-20.43	60.32	39.76	0.09	0.04	QP
4	0.2971150	32.16	-18.16	50.32	32.03	0.09	0.04	Average
5	3.497	26.69	-19.31	46.00	26.44	0.15	0.10	Average
6	3.497	39.25	-16.75	56.00	39.00	0.15	0.10	QP
7	3.600	40.56	-15.44	56.00	40.30	0.16	0.10	QP
8	3.600	28.56	-17.44	46.00	28.30	0.16	0.10	Average
9	3.790	41.76	-14.24	56.00	41.50	0.16	0.10	QP
10	3.790	29.36	-16.64	46.00	29.10	0.16	0.10	Average
11	10.006	30.78	-19.22	50.00	30.41	0.27	0.10	Average
12	10.006	38.01	-21.99	60.00	37.64	0.27	0.10	QP

Neutral



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1777150	49.18	-15.41	64.59	49.02	0.08	0.08	QP
2	@0.1777150	43.41	-11.18	54.59	43.25	0.08	0.08	Average
3	0.2353310	47.45	-14.81	62.26	47.29	0.08	0.08	QP
4	0.2353310	37.53	-14.73	52.26	37.37	0.08	0.08	Average
5	1.773	37.84	-18.16	56.00	37.63	0.11	0.10	QP
6	1.773	30.15	-15.85	46.00	29.94	0.11	0.10	Average
7	3.604	29.82	-16.18	46.00	29.58	0.14	0.10	Average
8	3.604	42.90	-13.10	56.00	42.66	0.14	0.10	QP
9	3.900	30.75	-15.25	46.00	30.50	0.15	0.10	Average
10	3.900	43.59	-12.41	56.00	43.34	0.15	0.10	QP
11	10.340	36.51	-23.49	60.00	36.12	0.27	0.12	QP
12	10.340	29.73	-20.27	50.00	29.34	0.27	0.12	Average

Note:

Level = Read Level + LISN Factor + Cable Loss.

3.2 Radiated Emissions Measurement

3.2.1 Limit

Measurements shall be made with a quasi-peak measuring receiver in the frequency range 30 MHz to 5th harmonic of highest frequency. The quasi-peak measuring receiver shall be in accordance with clause 2 of CISPR 16-1. Receivers with peak detectors shall be in accordance with clause 3 of CISPR 16-1, and shall have a 6 dB bandwidth in accordance with clause 2 of CISPR 16-1.

Frequency of Emission (MHz)	Field Strength QP Limit (dBuV/m) at 3m
30~88	40
88~216	43.5
216~960	46
Above 960	54

3.2.2 Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

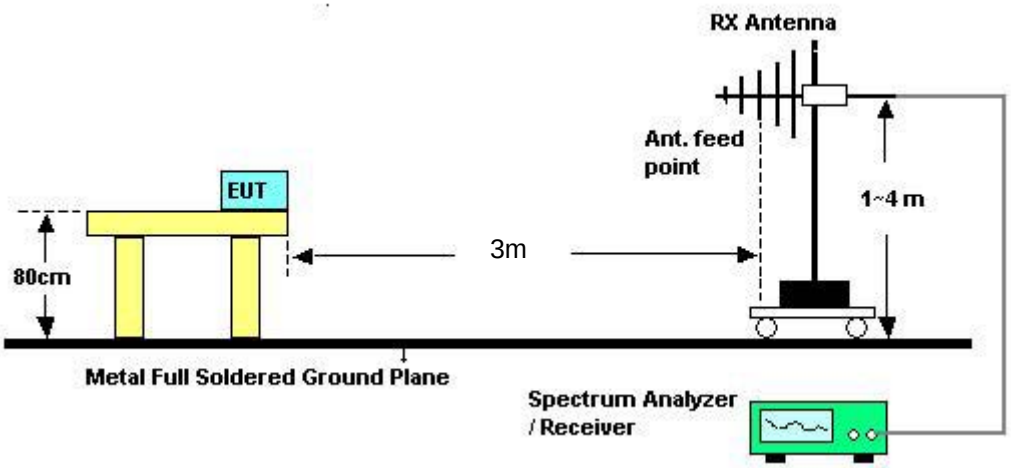
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

Spectrum Parameter	Setting
Start Frequency	1000 MHz
Stop Frequency	5th harmonic of highest frequency
RB / VB	1 MHz / 1MHz for Peak; 1 MHz / 10Hz for Average

3.2.3 Test Procedures

1. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.

3.2.4 Test Setup Layout



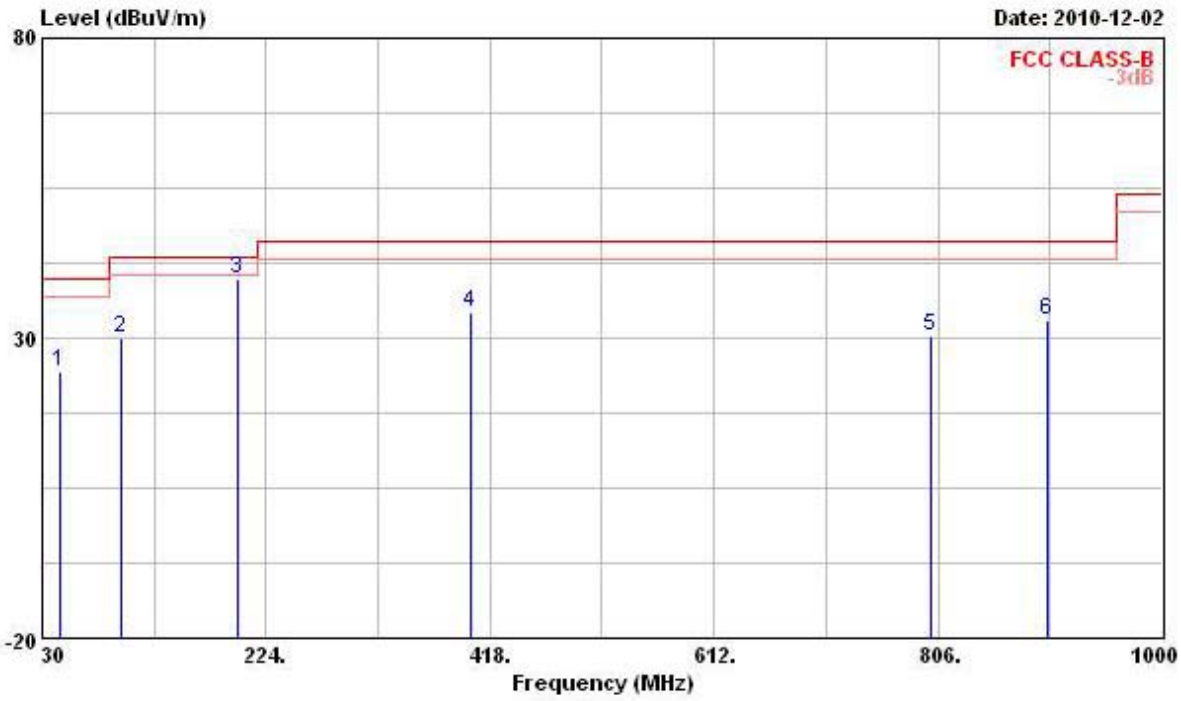
3.2.5 Test Deviation

There is no deviation with the original standard.

3.2.6 Results of Radiated Emissions (30MHz~1GHz)

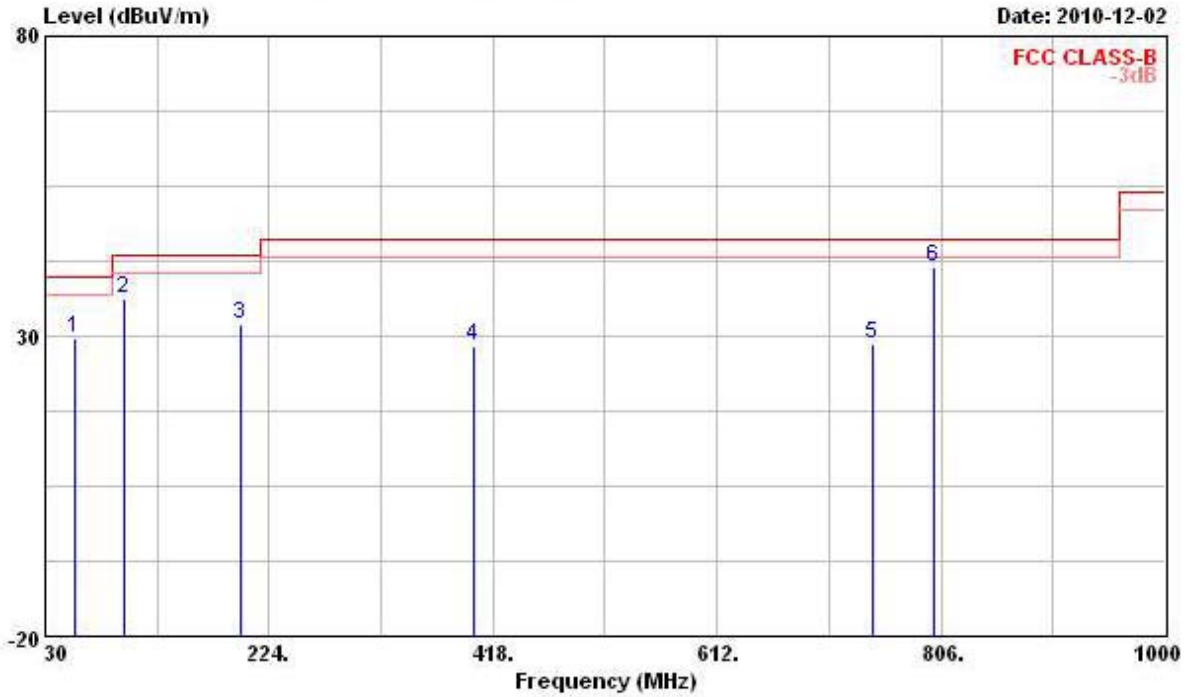
Final Test Date	Dec. 02, 2010	**Test Site No.**	03CH02-HY
Temperature	24.9℃	**Humidity**	54%
Test Engineer	Daniel	**Configuration**	Normal Mode

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	44.550	24.27	-15.73	40.00	38.95	12.02	1.05	27.75	Peak
2	98.870	29.87	-13.63	43.50	44.86	11.01	1.60	27.60	Peak
3 @	198.780	39.80	-3.70	43.50	53.28	11.28	2.31	27.07	QP
4	400.540	34.26	-11.74	46.00	43.32	15.27	3.34	27.67	Peak
5	800.180	30.41	-15.59	46.00	33.09	20.27	4.77	27.72	Peak
6	901.060	33.03	-12.97	46.00	35.30	20.08	5.00	27.35	Peak

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	56.190	29.52	-10.48	40.00	48.03	8.05	1.19	27.75	Peak
2	98.870	36.35	-7.15	43.50	51.34	11.01	1.60	27.60	Peak
3	198.780	32.08	-11.42	43.50	45.56	11.28	2.31	27.07	Peak
4	400.540	28.41	-17.59	46.00	37.47	15.27	3.34	27.67	Peak
5	746.830	28.75	-17.25	46.00	32.56	19.51	4.56	27.88	Peak
6 @	800.180	41.55	-4.45	46.00	44.23	20.27	4.77	27.72	Peak

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

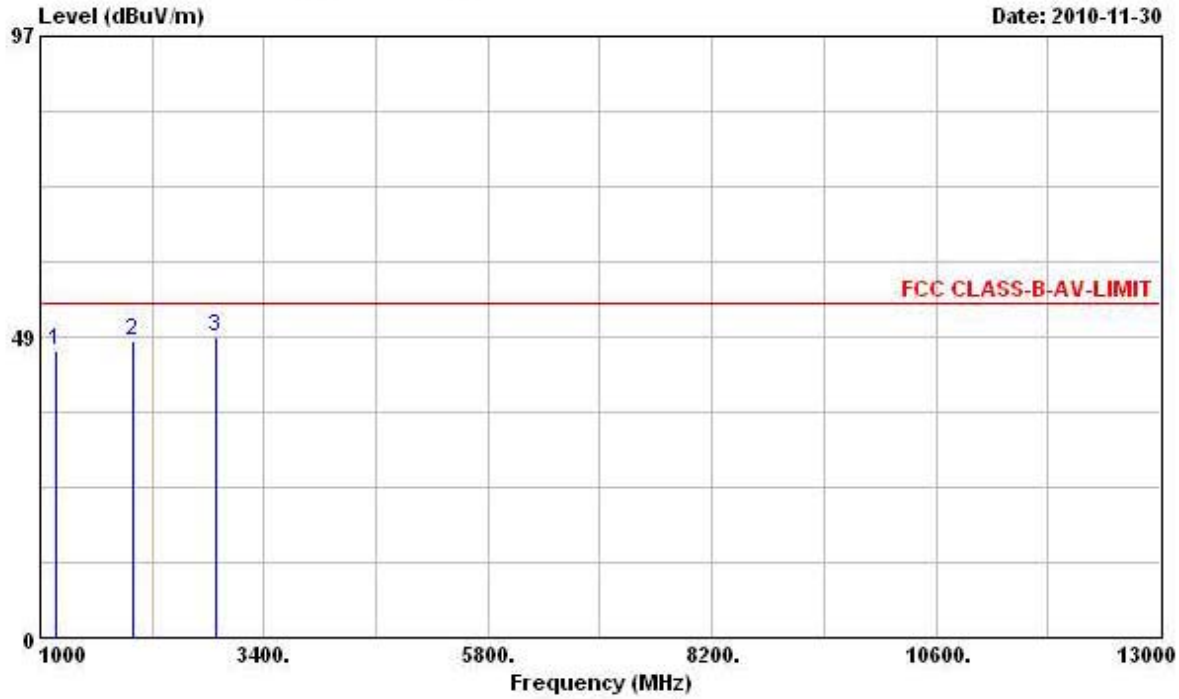
Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.2.7 Results for Radiated Emissions (1GHz~5th harmonic of highest frequency)

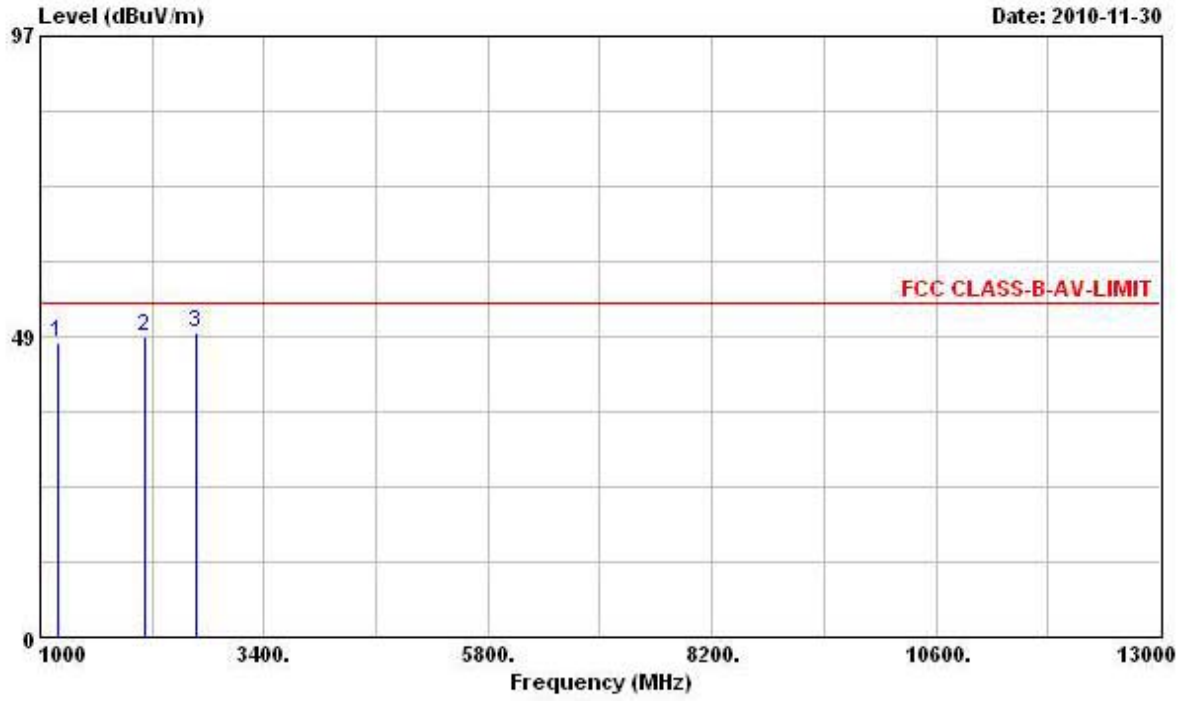
Final Test Date	Nov. 30, 2010	**Test Site No.**	03CH02-HY
Temperature	24.9℃	**Humidity**	54%
Test Engineer	Daniel	**Configuration**	CRX 802.11g Ch. 6

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	1162.000	46.20	-7.80	54.00	51.71	27.24	1.95	34.70	Peak
2	1998.000	47.72	-6.28	54.00	48.39	30.20	2.72	33.59	Peak
3	2878.000	48.56	-5.44	54.00	46.22	33.08	3.34	34.08	Peak

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	1196.000	47.67	-6.33	54.00	52.88	27.44	1.99	34.64	Peak
2	2124.000	48.58	-5.42	54.00	48.51	31.03	2.81	33.77	Peak
3	2662.000	49.06	-4.94	54.00	47.39	32.67	3.21	34.21	Peak

Note:

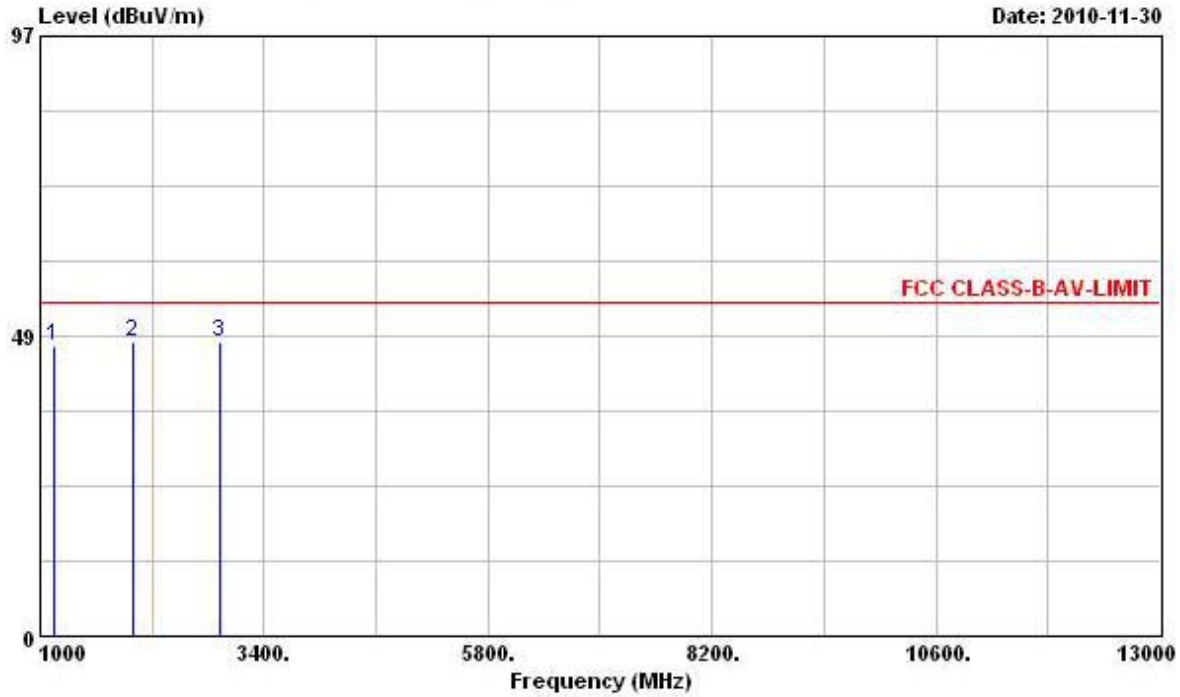
The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

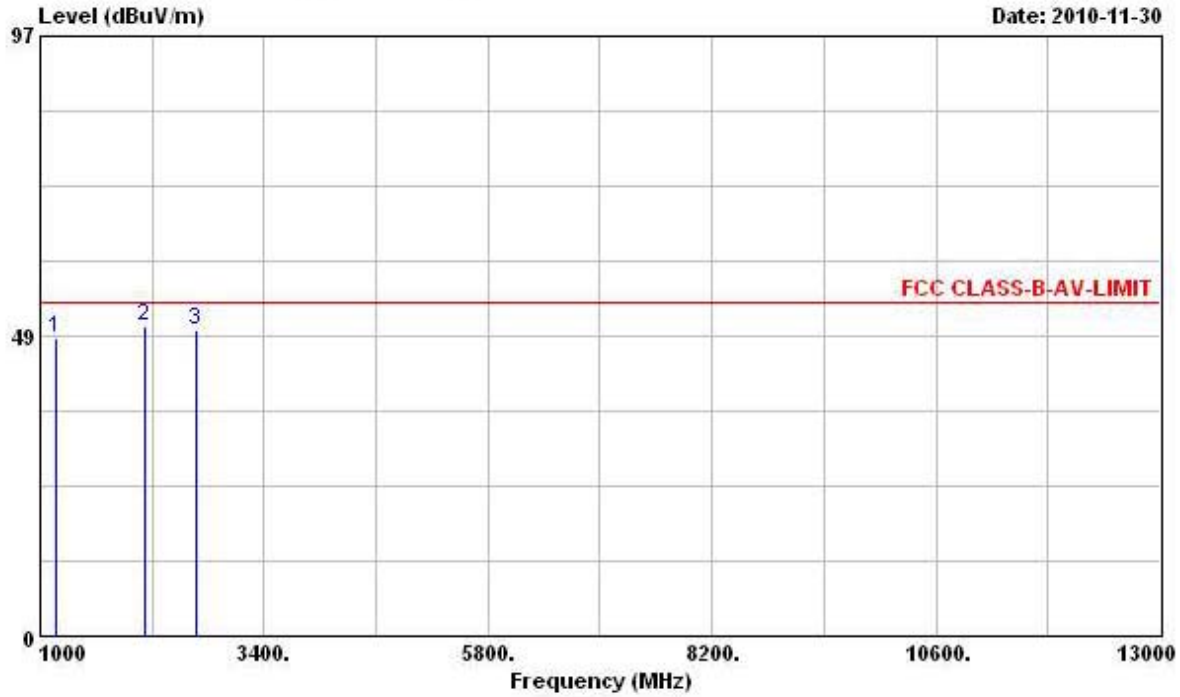
Final Test Date	Nov. 30, 2010	**Test Site No.**	03CH02-HY
Temperature	24.9℃	**Humidity**	54%
Test Engineer	Daniel	**Configuration**	CRX 802.11n Ch. 6 (20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	1158.000	46.95	-7.05	54.00	52.48	27.22	1.95	34.70	Peak
2	1996.000	47.40	-6.60	54.00	48.07	30.20	2.72	33.59	Peak
3	2924.000	47.56	-6.44	54.00	45.05	33.20	3.37	34.06	Peak

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	1164.000	48.26	-5.74	54.00	53.66	27.35	1.95	34.70	Peak
2 @	2132.000	50.07	-3.93	54.00	49.93	31.10	2.81	33.77	Peak
3	2662.000	49.54	-4.46	54.00	47.87	32.67	3.21	34.21	Peak

Note:

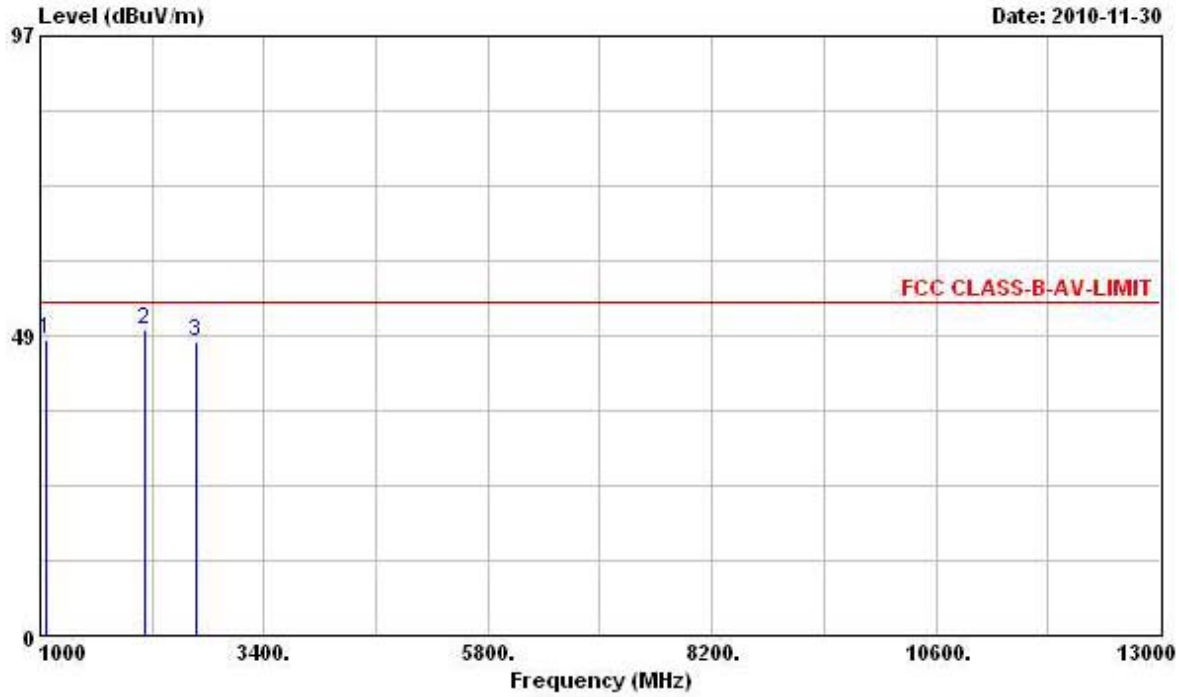
The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

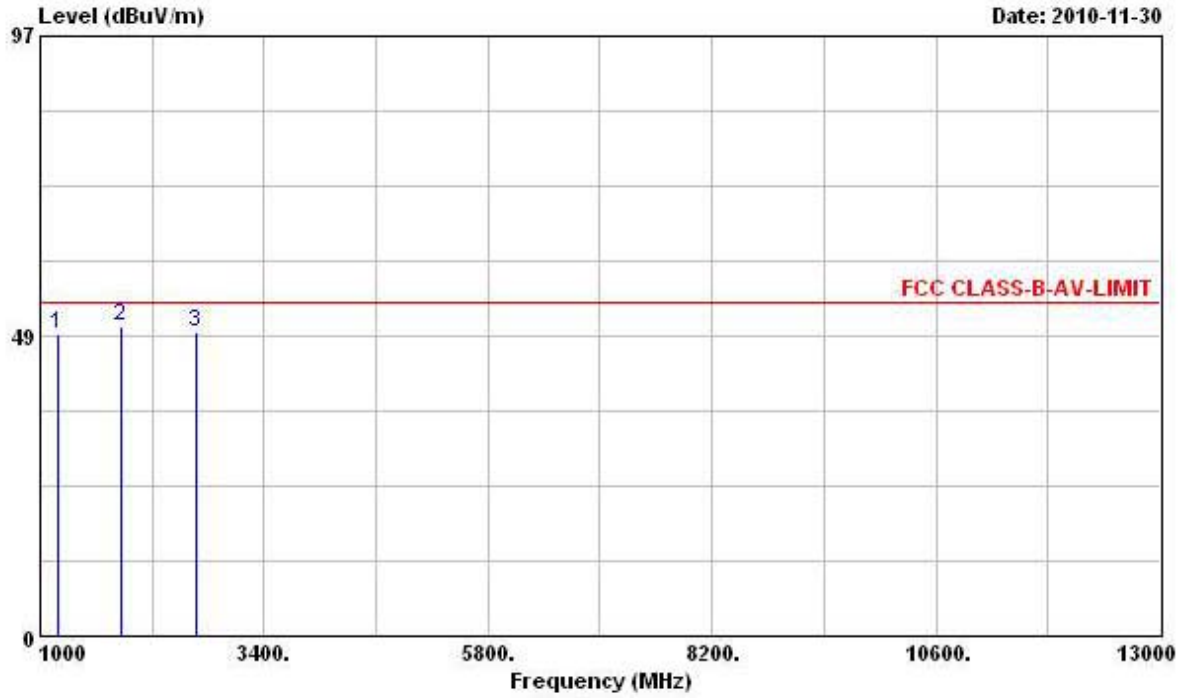
Final Test Date	Nov. 30, 2010	**Test Site No.**	03CH02-HY
Temperature	24.9℃	**Humidity**	54%
Test Engineer	Daniel	**Configuration**	CRX 802.11n Ch. 6 (40MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	1062.000	47.72	-6.28	54.00	53.49	27.16	1.88	34.81	Peak
2	2126.000	49.44	-4.56	54.00	49.72	30.68	2.81	33.77	Peak
3	2662.000	47.69	-6.31	54.00	46.09	32.60	3.21	34.21	Peak

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	1190.000	48.73	-5.27	54.00	54.02	27.39	1.99	34.67	Peak
2 @	1860.000	50.19	-3.81	54.00	51.42	29.96	2.59	33.78	Peak
3	2662.000	49.00	-5.00	54.00	47.33	32.67	3.21	34.21	Peak

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

4 LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz – 2.75GHz	Apr. 06, 2010	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99041	9kHz – 30MHz	Mar. 23, 2010	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Apr. 29, 2010	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2010	Conduction (CO04-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP40	100305/040	9 kHz - 40GHz	Feb. 02, 2010	Radiation (03CH02-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30 MHz - 1 GHz 3m	May 01, 2010	Radiation (03CH02-HY)
Amplifier	Agilent	8447D	2944A11146	100 kHz – 1.3 GHz	Jul. 23, 2010	Radiation (03CH02-HY)
Amplifier	Agilent	8449B	3008A02373	1GHz – 26.5 GHz	Jul. 23, 2010	Radiation (03CH02-HY)
Horn Antenna	ETS-LINDGREN	3117	00091920	1GHz~18GHz	Nov. 11, 2010	Radiation (03CH02-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz ~ 1GHz	Feb. 26, 2010	Radiation (03CH02-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX106	03CH02-HY	1GHz~40GHz	Feb. 26, 2010	Radiation (03CH02-HY)
Bilog Antenna	SCHAFFNER	CBL61128	2723	30 MHz - 2 GHz	Oct. 16, 2010	Radiation (03CH02-HY)
Turn Table	HD	DS 420	420/649/00	0 - 360 degree	N/A	Radiation (03CH02-HY)
Antenna Mast	HD	MA 240	240/559/00	1 m - 4 m	N/A	Radiation (03CH02-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	Jul. 29, 2010*	Radiation (03CH02-HY)

Note: Calibration Interval of instruments listed above is two year.

5 TEST LOCATION

SHIJR	ADD	:	6Fl., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C.
	TEL	:	886-2-2696-2468
	FAX	:	886-2-2696-2255
HWA YA	ADD	:	No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
	TEL	:	886-3-327-3456
	FAX	:	886-3-318-0055
LINKOU	ADD	:	No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C
	TEL	:	886-2-2601-1640
	FAX	:	886-2-2601-1695
DUNGHU	ADD	:	No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C.
	TEL	:	886-2-2631-4739
	FAX	:	886-2-2631-9740
JUNGHE	ADD	:	7Fl., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C.
	TEL	:	886-2-8227-2020
	FAX	:	886-2-8227-2626
NEIHU	ADD	:	4Fl., No. 339, Hsin Hu 2nd Rd., Taipei 114, Taiwan, R.O.C.
	TEL	:	886-2-2794-8886
	FAX	:	886-2-2794-9777
JHUBEI	ADD	:	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
	TEL	:	886-3-656-9065
	FAX	:	886-3-656-9085

6 TAF CERTIFICATE OF ACCREDITATION

Certificate No. : L1190-100529

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

Sporton International Inc.
EMC & Wireless Communications Laboratory
No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

is accredited in respect of laboratory

Accreditation Criteria	:	ISO/IEC 17025:2005
Accreditation Number	:	1190
Originally Accredited	:	December 15, 2003
Effective Period	:	January 10, 2010 to January 09, 2013
Accredited Scope	:	Testing Field, see described in the Appendix
Specific Accreditation Program	:	Accreditation Program for Designated Testing Laboratory for Commodities Inspection Accreditation Program for Telecommunication Equipment Testing Laboratory Accreditation Program for BSMI Mutual Recognition Arrangment with Foreign Authorities

Jay-San Chen
President, Taiwan Accreditation Foundation
Date : May 29, 2010

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The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix