



SPORTON LAB.

Certificate No.: FD940827-02

CERTIFICATE OF COMPLIANCE

Authorized under Declaration of Conformity
according to

47 CFR, Part 2 and Part 15 of the FCC Rules



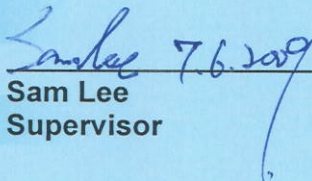
EQUIPMENT : Wireless LAN USB Adapter
MODEL NO. : EW-7612UAn / GWU-H612An
APPLICANT : EDIMAX TECHNOLOGY CO., LTD.

No. 3, Wu Chuan 3rd Road, Wu-Ku Industrial Park, Taipei
Hsien, Taiwan



I HEREBY CERTIFY THAT:

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4-2003** and all tests are performed according to **47 CFR FCC Part 15 Subpart B**. Testing was carried out on **Jun. 10, 2009** at SPORTON International Inc. LAB.


Sam Lee
Supervisor

FCC EMC TEST REPORT

Authorized under Declaration of Conformity

according to

47 CFR FCC Part 15 Subpart B

Equipment : Wireless LAN USB Adapter
Model No. : EW-7612UAn / GWU-H612An
Brand Name : EDIMAX
Filing Type : New Application
Applicant : EDIMAX TECHNOLOGY CO., LTD.
No. 3, Wu Chuan 3rd Road, Wu-Ku Industrial Park, Taipei
Hsien, Taiwan
Manufacturer : EDIMAX TECHNOLOGY CO., LTD.
No. 3, Wu Chuan 3rd Road, Wu-Ku Industrial Park, Taipei
Hsien, Taiwan
Received Date : May 15, 2009
Final Test Date : Jun. 10, 2009
Multiple Listing : Please refer to section 2.5

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.



SPORTON International Inc.

6F, No. 106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

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CERTIFICATE OF COMPLIANCE

Authorized under **D**eclaration of **C**onformity


according to

47 CFR FCC Part 15 Subpart B

Equipment : Wireless LAN USB Adapter
Model No. : EW-7612UAn / GWU-H612An
Brand Name : EDIMAX
Applicant : EDIMAX TECHNOLOGY CO., LTD.
No. 3, Wu Chuan 3rd Road, Wu-Ku Industrial
Park, Taipei Hsien, Taiwan

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 Jun. 10, 2009 at SPORTON International Inc. LAB.



Sam Lee / Supervisor

SPORTON International Inc.

6F, No.106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei 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	16.56 dB
3.2	15.109	Radiated Emissions	Complies	3.08 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 the table below. For more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.2 Table for Filed Antenna

Antenna & Bandwidth

Antenna	1st (TX)	
Bandwidth Mode	20 MHz	40 MHz
802.11b	V	X
802.11g	V	X
802.11n (2.4GHz)	V	V

Ant.	Antenna Type	Connector	Gain (dBi)	Remark
1	Dipole Antenna	NA	3	TX / RX

IEEE 802.11n Modulation Scheme

MCS Index	Nss	Modulation	R	NBPS	NCBPS		NDBPS		Data rate(Mbps)	
					20MHz	40MHz	20MHz	40MHz	800nsGI	
									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

IEEE 802.11n Modulation Scheme

Symbol	Explanation
NSS	Number of spatial streams
R	Code rate
NBPS	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	Normal Mode / CRX 802.11n CH 6 (40MHz)

2.4 Table for Testing Locations

Test Site No.	Site Category	Location	FCC Reg. No.	IC File No.	VCCI Reg. No
03CH02-HY	SAC	Hwa Ya	643075	IC 4086B-1	-
CO04-HY	Conduction	Hwa Ya	643075	IC 4086B-1	-

Open Area Test Site (OATS); Semi Anechoic Chamber (SAC); Fully Anechoic Chamber (FAC).

2.5 Table for Multiple Listing

The brand/model names in the following table are all refer to the identical product.

No.	Brand Name	Model Name
1	Edimax	EW-7612UAn,GWU-H612An

2.6 Table for Supporting Units

Support Unit	Brand	Model	FCC ID
Notebook	DELL	D400	N/A
Modem	ACEEX	DM1414	IFAXDM1414
Mouse (USB)	Microsoft	1004	N/A
AP (Remote Workstation)	D-Link	DNS-G120	DoC

2.7 EUT Operation during Test

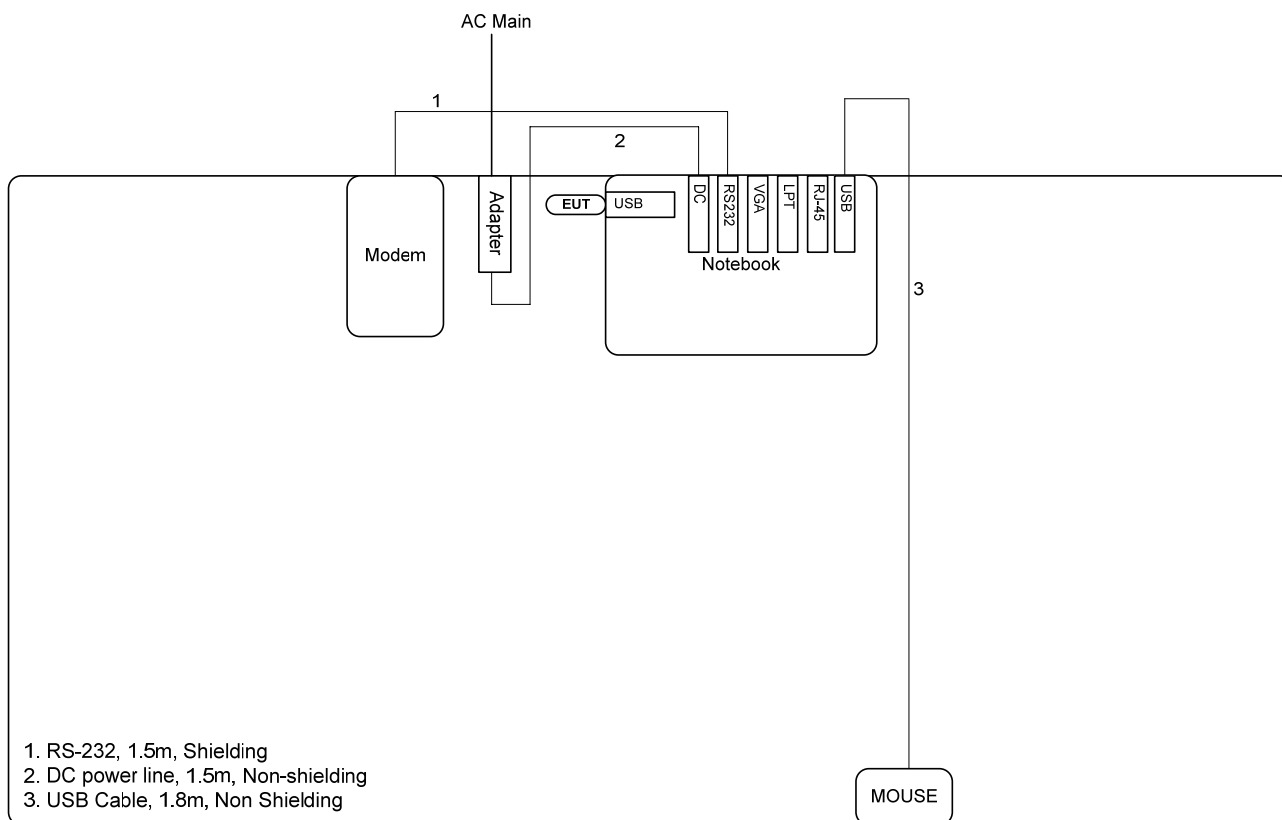
An executive program, EMCTEST.EXE under WIN XP, which generates a complete line of continuously repeating “H” pattern was used as the test software.

The NB sends “H” messages to the panel, and the panel displays “H” patterns on the screen.

Executed "ping.exe" to link with the remote workstation to receive and transmit data by LAN and WLAN.

2.8 Test Configuration

2.8.1 Radiation Emissions Test Configuration



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

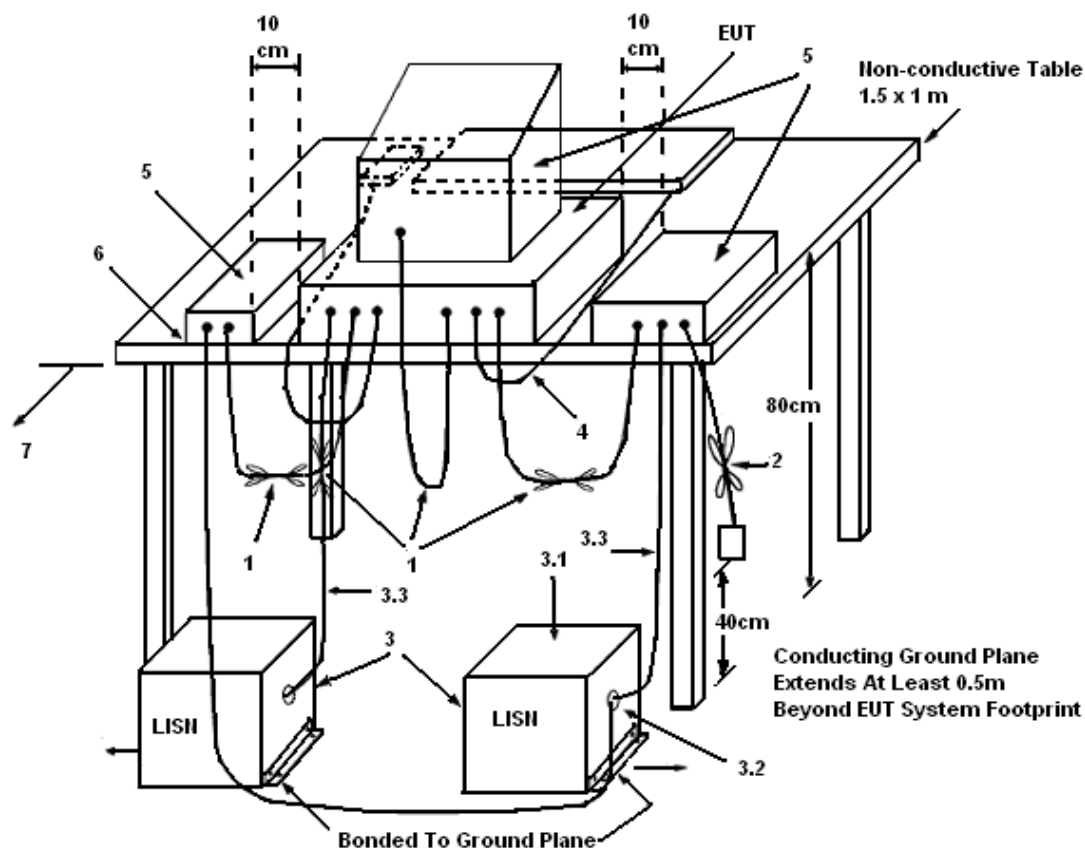
Please refer to section 4 of equipments list in this report. The following table is the setting of the receiver.

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:

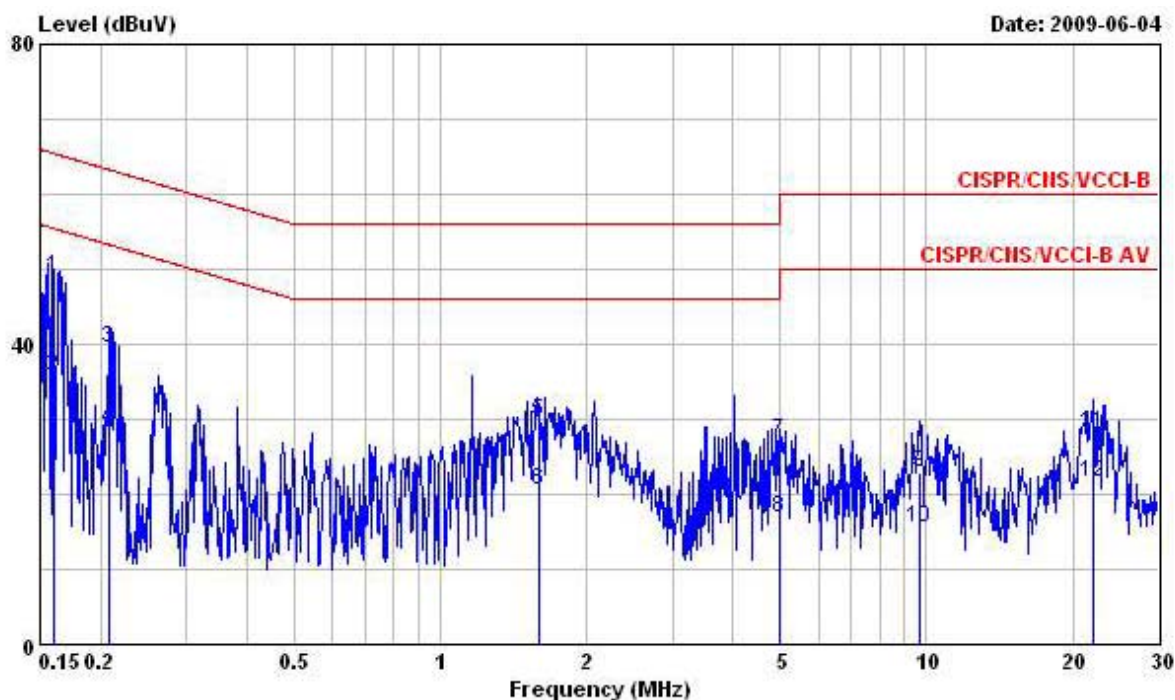
- (1) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- (2) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using 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.

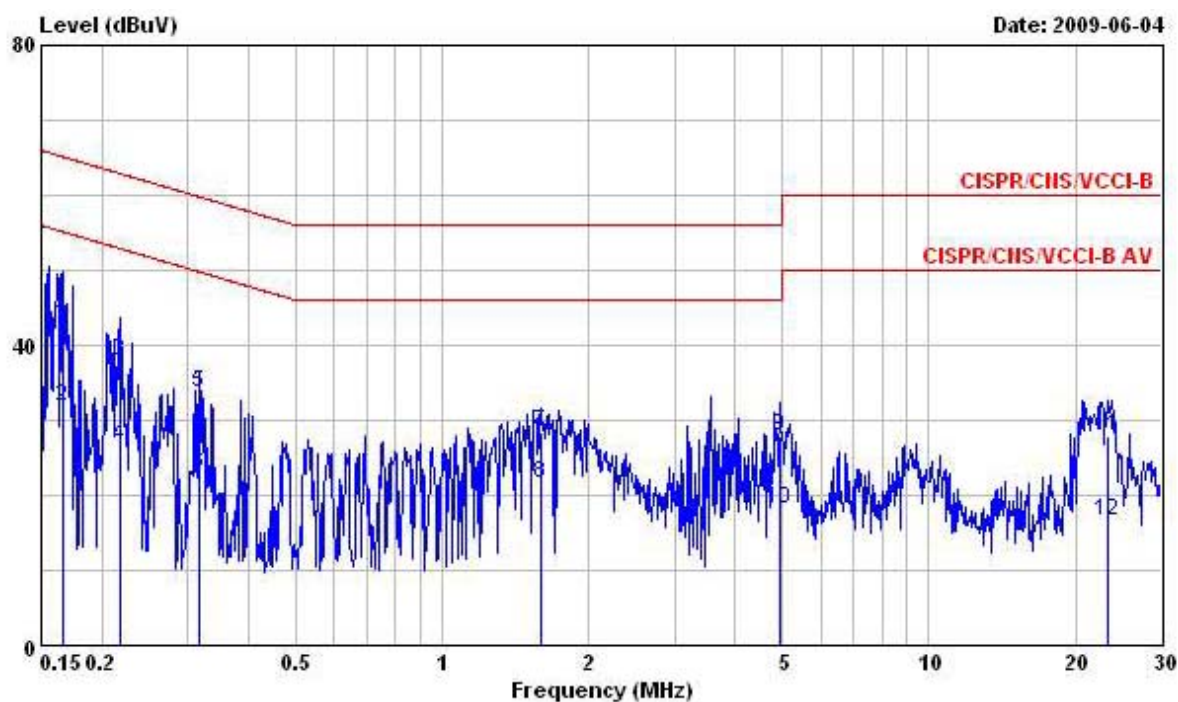
3.1.6 Results of AC Power Line Conducted Emissions Measurement

Test date	Jun. 04, 2009	Test Site No.	CO04-HY
Temperature	25°C	Humidity	55%
Test Engineer	Chris	Phase	Line
Configuration	Normal Mode		



	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.1594880	48.93	-16.56	65.49	48.64	0.09	0.20	QP
2	0.1594880	35.77	-19.72	55.49	35.48	0.09	0.20	Average
3	0.2072310	39.34	-23.98	63.32	39.04	0.08	0.22	QP
4	0.2072310	28.69	-24.63	53.32	28.39	0.08	0.22	Average
5	1.590	29.76	-26.24	56.00	29.45	0.12	0.19	QP
6	1.590	20.56	-25.44	46.00	20.25	0.12	0.19	Average
7	4.980	27.09	-28.91	56.00	26.59	0.19	0.31	QP
8	4.980	16.76	-29.24	46.00	16.26	0.19	0.31	Average
9	9.650	22.96	-37.04	60.00	22.28	0.27	0.41	QP
10	9.650	15.55	-34.45	50.00	14.87	0.27	0.41	Average
11	21.950	28.14	-31.86	60.00	27.13	0.43	0.58	QP
12	21.950	21.51	-28.49	50.00	20.50	0.43	0.58	Average

Test date	Jun. 04, 2009	Test Site No.	CO04-HY
Temperature	25°C	Humidity	55%
Test Engineer	Chris	Phase	Neutral
Configuration	Normal Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	@0.1667680	42.91	-22.21	65.12	42.63	0.08	0.20	QP
2	@0.1667680	31.85	-23.27	55.12	31.57	0.08	0.20	Average
3	0.2185070	37.80	-25.08	62.88	37.50	0.08	0.22	QP
4	0.2185070	26.58	-26.30	52.88	26.28	0.08	0.22	Average
5	0.3166190	33.73	-26.07	59.80	33.49	0.08	0.16	QP
6	0.3166190	23.00	-26.80	49.80	22.76	0.08	0.16	Average
7	1.590	28.53	-27.47	56.00	28.23	0.11	0.19	QP
8	1.590	21.55	-24.45	46.00	21.25	0.11	0.19	Average
9	4.930	27.78	-28.22	56.00	27.30	0.17	0.31	QP
10	4.930	18.18	-27.82	46.00	17.70	0.17	0.31	Average
11	23.390	27.76	-32.24	60.00	26.69	0.46	0.61	QP
12	23.390	16.57	-33.43	50.00	15.50	0.46	0.61	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

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.

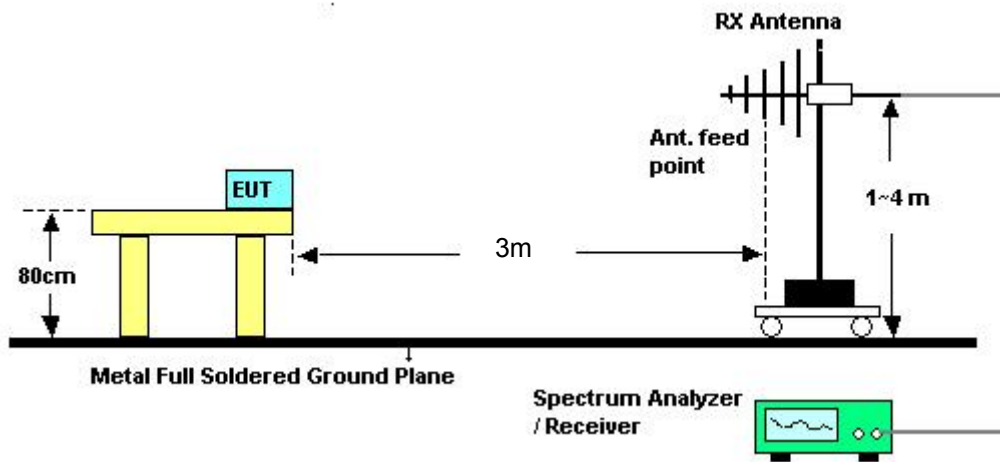
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

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



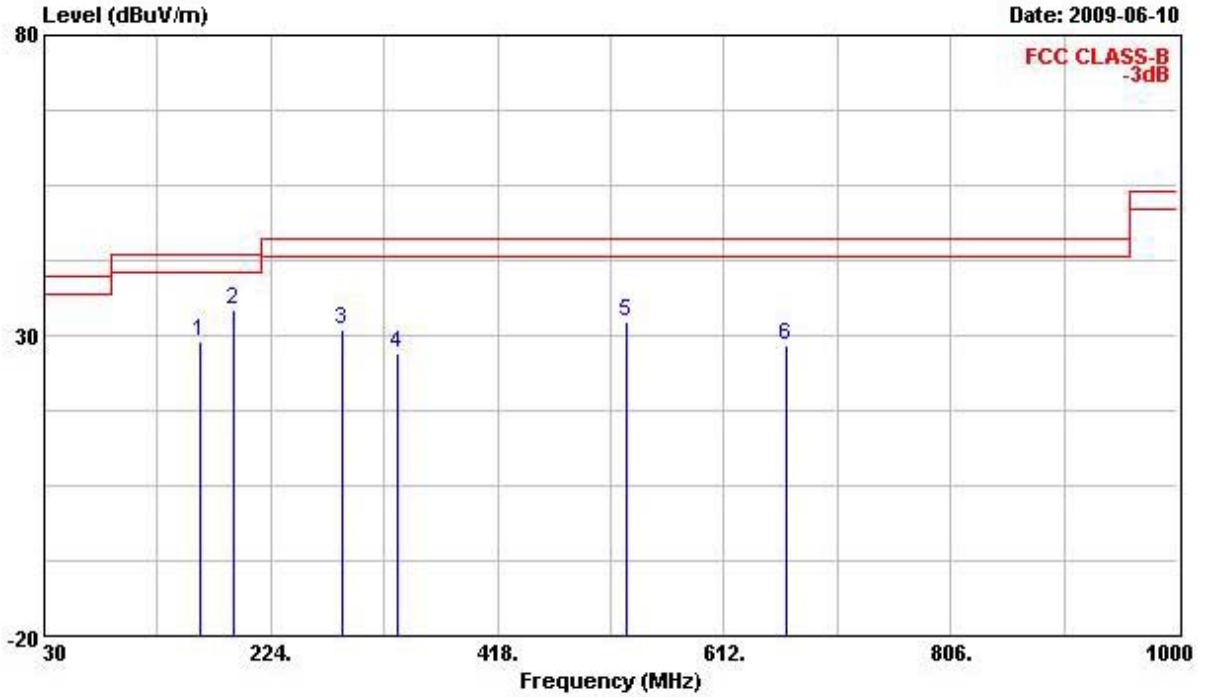
3.2.5 Test Deviation

There is no deviation with the original standard.

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

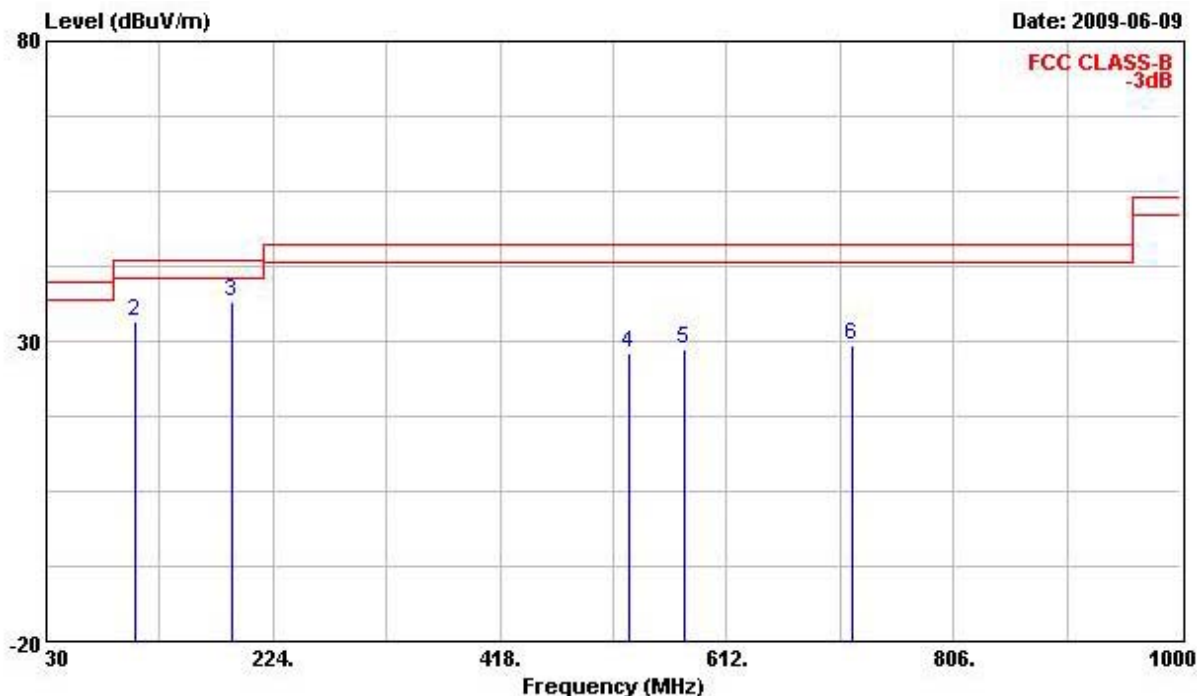
Test date	Jun. 10, 2009	Test Site No.	03CH02-HY
Temperature	26.9°C	Humidity	51.6%
Test Engineer	David	Configuration	CRX Mode

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	163.860	29.07	-14.43	43.50	46.80	10.38	2.56	30.67	---	---	Peak
2	191.990	34.23	-9.27	43.50	51.33	10.77	2.75	30.62	---	---	Peak
3	285.110	30.95	-15.05	46.00	44.52	13.49	3.37	30.43	---	---	Peak
4	331.670	27.06	-18.94	46.00	39.63	14.20	3.57	30.34	---	---	Peak
5	528.580	32.19	-13.81	46.00	39.52	18.10	4.39	29.82	---	---	Peak
6	665.350	28.24	-17.76	46.00	33.13	19.31	5.14	29.34	---	---	Peak

Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	30.000	36.63	-3.37	40.00	50.20	16.22	1.09	30.88	---	---	Peak
2	106.630	33.29	-10.21	43.50	49.99	11.99	2.09	30.79	---	---	Peak
3 @	188.110	36.49	-7.01	43.50	53.94	10.48	2.69	30.62	---	---	Peak
4	528.580	28.08	-17.92	46.00	35.41	18.10	4.39	29.82	---	---	Peak
5	576.110	28.69	-17.31	46.00	34.23	19.48	4.66	29.67	---	---	Peak
6	719.670	29.37	-16.63	46.00	34.21	19.13	5.20	29.16	---	---	Peak

Note:

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

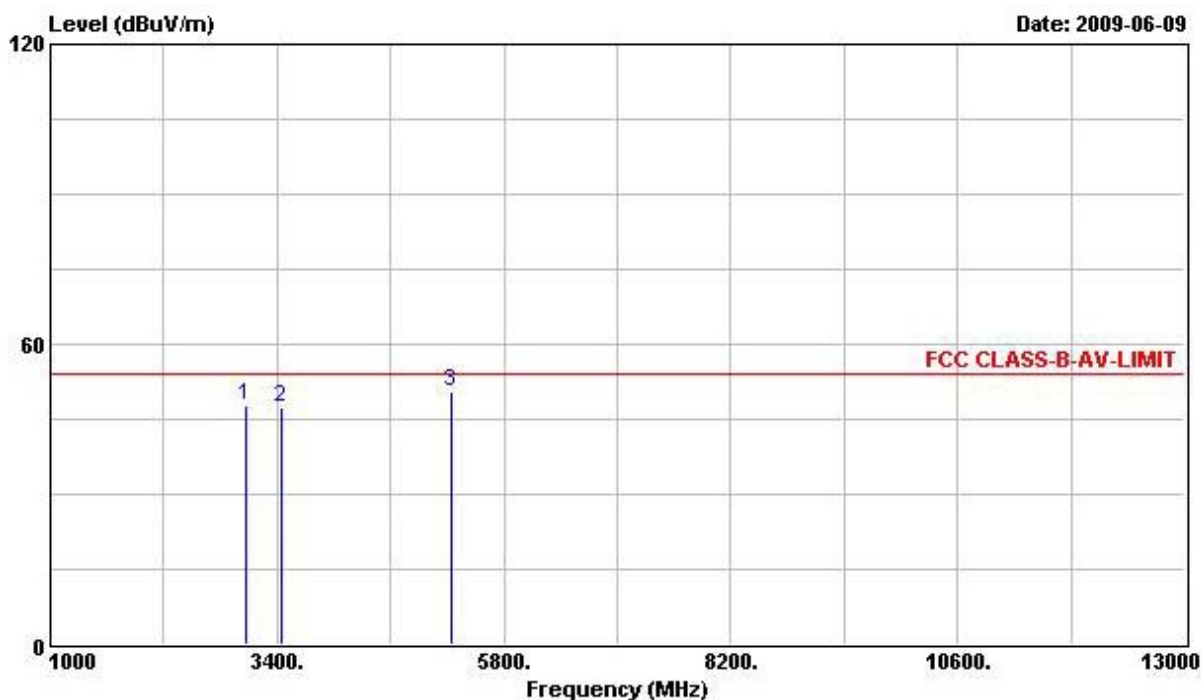
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

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

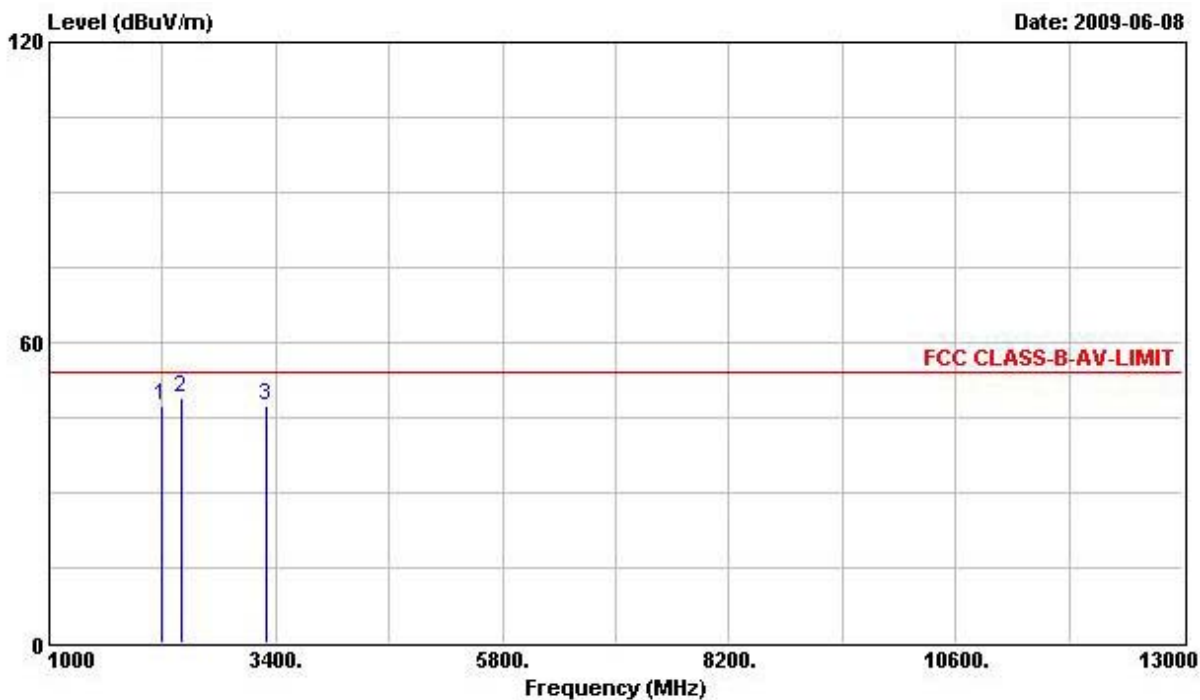
Test date	Jun. 09, 2009	Test Site No.	03CH02-HY
Temperature	26.9°C	Humidity	51.6%
Test Engineer	David	Configuration	CRX 802.11g CH 6

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	3072.000	47.77	-6.23	54.00	45.97	33.40	3.49	35.09	---	---	PEAK
2	3436.000	47.28	-6.72	54.00	45.10	33.40	3.78	35.01	---	---	PEAK
3	5248.000	50.57	-3.43	54.00	44.30	36.35	4.83	34.90	---	---	PEAK

Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remarks
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2196.000	47.22	-6.78	54.00	47.95	31.28	2.87	34.88	---	---	Peak
2	2396.000	49.11	-4.89	54.00	49.02	32.03	3.02	34.96	---	---	Peak
3	3296.000	47.33	-6.67	54.00	45.43	33.26	3.68	35.04	---	---	Peak

Note:

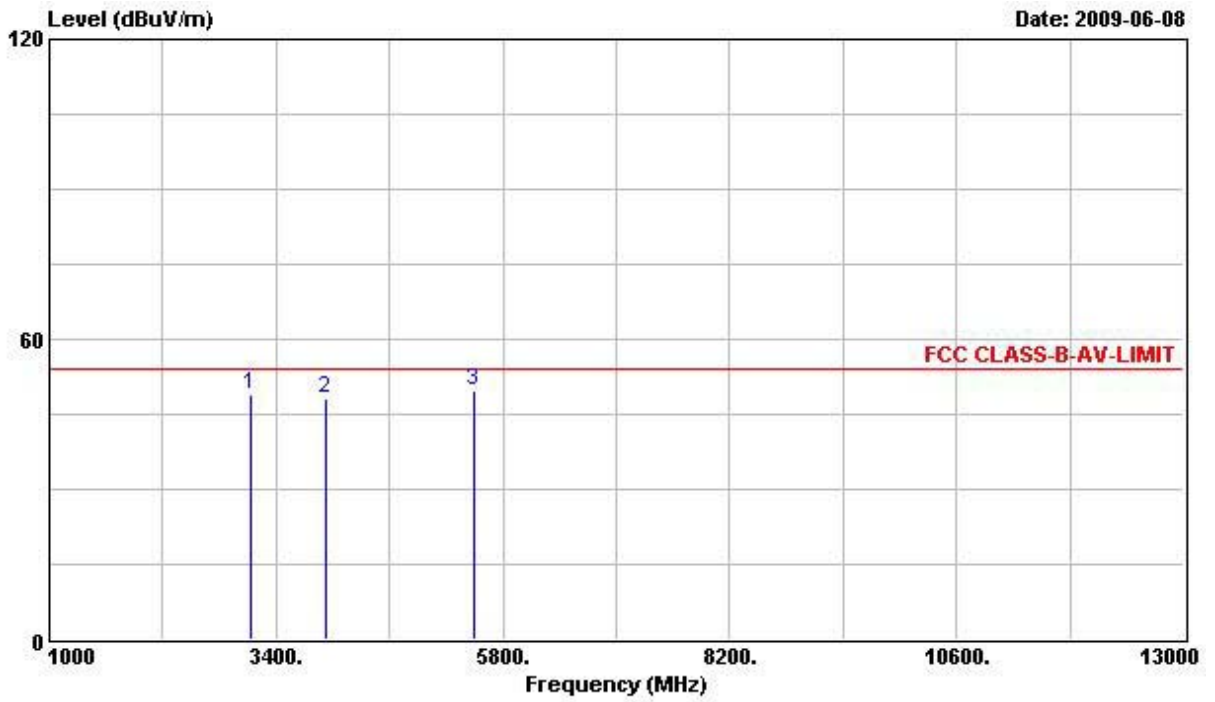
The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

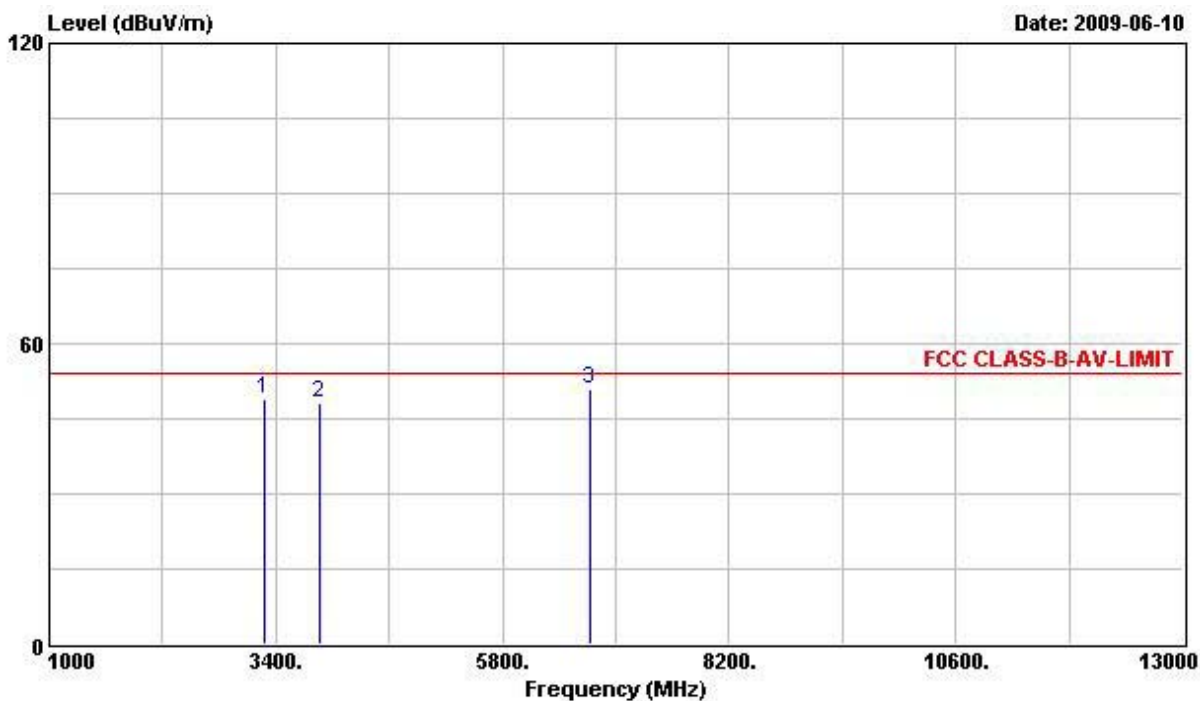
Test date	Jun. 08, 2009	Test Site No.	03CH02-HY
Temperature	26.9°C	Humidity	51.6%
Test Engineer	David	Configuration	CRX 802.11n CH 6 (20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	3136.000	48.96	-5.04	54.00	47.07	33.40	3.55	35.07	---	---	PEAK
2 @	3936.000	48.25	-5.75	54.00	44.85	34.30	4.10	35.00	---	---	PEAK
3 @	5492.000	49.67	-4.33	54.00	42.98	36.68	4.91	34.90	---	---	PEAK

Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remarks
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	3272.000	49.00	-5.00	54.00	47.14	33.26	3.65	35.05	---	---	PEAK
2 @	3860.000	48.28	-5.72	54.00	45.27	33.95	4.06	35.00	---	---	PEAK
3 @	6728.000	50.79	-3.21	54.00	43.76	36.63	5.54	35.15	---	---	PEAK

Note:

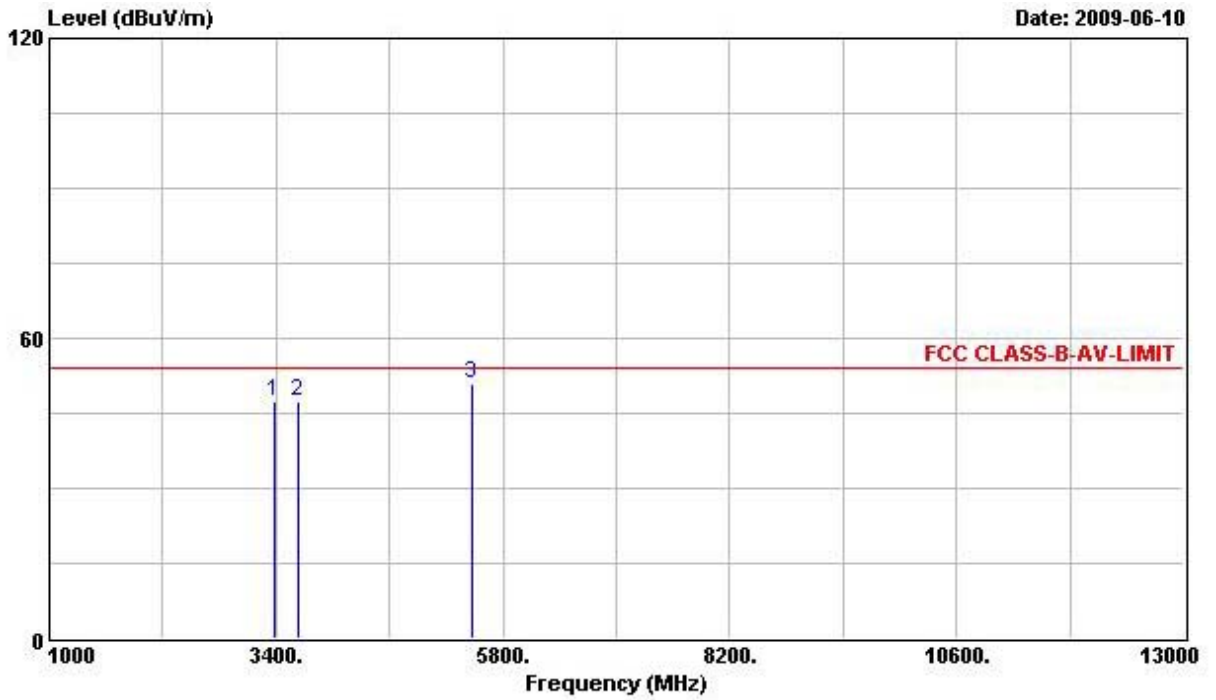
The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

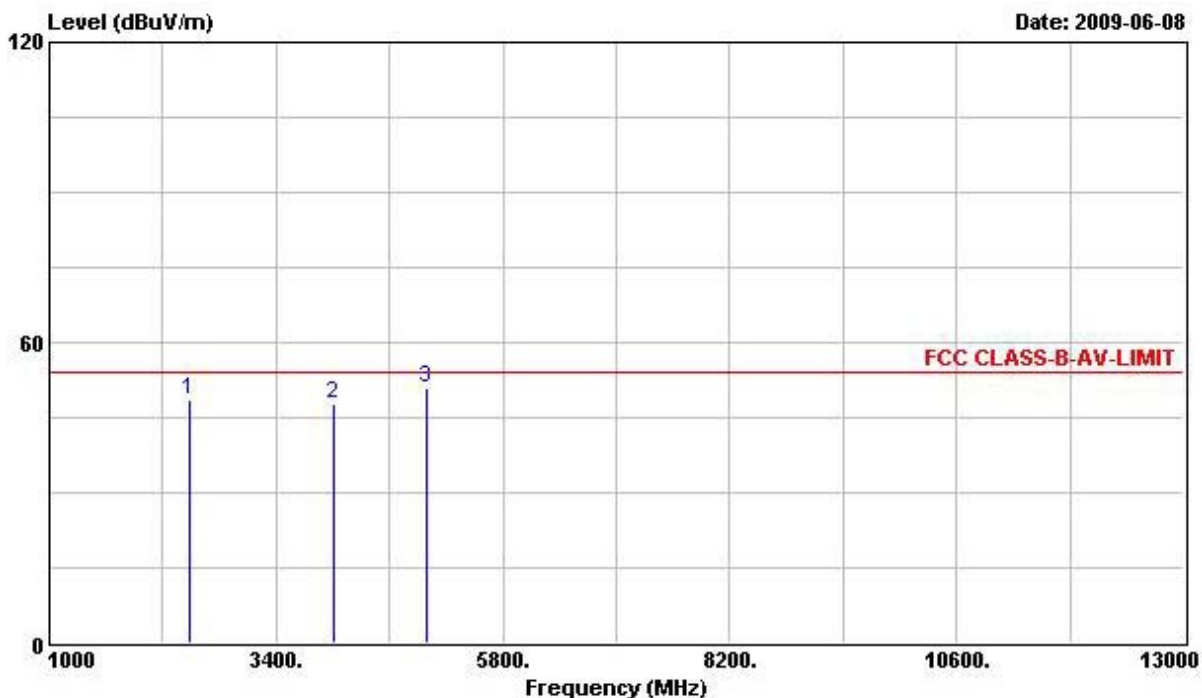
Test date	Jun. 10, 2009	Test Site No.	03CH02-HY
Temperature	26.9°C	Humidity	51.6%
Test Engineer	David	Configuration	CRX 802.11n CH 6 (40MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	3380.000	47.40	-6.60	54.00	45.27	33.40	3.75	35.03	---	---	PEAK
2 @	3640.000	47.17	-6.83	54.00	44.56	33.68	3.94	35.00	---	---	PEAK
3 @	5468.000	50.92	-3.08	54.00	44.26	36.65	4.91	34.90	---	---	PEAK

Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2492.000	48.72	-5.28	54.00	48.24	32.40	3.08	35.00	---	---	PEAK
2	4008.000	47.67	-6.33	54.00	44.30	34.22	4.15	35.00	---	---	PEAK
3	4988.000	50.77	-3.23	54.00	45.67	35.30	4.71	34.91	---	---	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. 15, 2009	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Mar. 23, 2009	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Mar. 22, 2009	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2009	Conduction (CO04-HY)
ISN	SCHAFFNER	ISN T400	21653	9kHz –30MHz	Jun 13, 2008	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)

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

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30 MHz - 1 GHz 3m	May 11, 2009	Radiation (03CH02-HY)
Amplifier	Agilent	8447D	2944A11146	100 kHz – 1.3 GHz	Jul. 11, 2008	Radiation (03CH02-HY)
Spectrum Analyzer	R&S	FSP40	100305/040	9 kHz - 40GHz	Feb. 04, 2009	Radiation (03CH02-HY)
Bilog Antenna	SCHAFFNER	CBL61128	2723	30 MHz - 2 GHz	Nov. 30, 2008	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)
RF Cable-R03m	Jye Bao	RG142	CB020	30 MHz - 1 GHz	Dec. 17, 2008	Radiation (03CH02-HY)
Amplifier	Agilent	8449B	3008A02373	1GHz – 26.5 GHz	Jul. 16, 2008	Radiation (03CH02-HY)
Horn Antenna	ETS-LINDGREN	3117	00091920	1GHz~18GHz	Oct. 22, 2008	Radiation (03CH02-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX106	03CH02-HY	1GHz-40GHz	Dec. 17, 2008	Radiation (03CH02-HY)

Note: Calibration Interval of instruments listed above is one 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 2 nd 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. : L1190-090318

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, 2007 to January 09, 2010
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 Arrangement with Foreign Authorities

Jay-San Chen
President, Taiwan Accreditation Foundation
Date : March 18, 2009

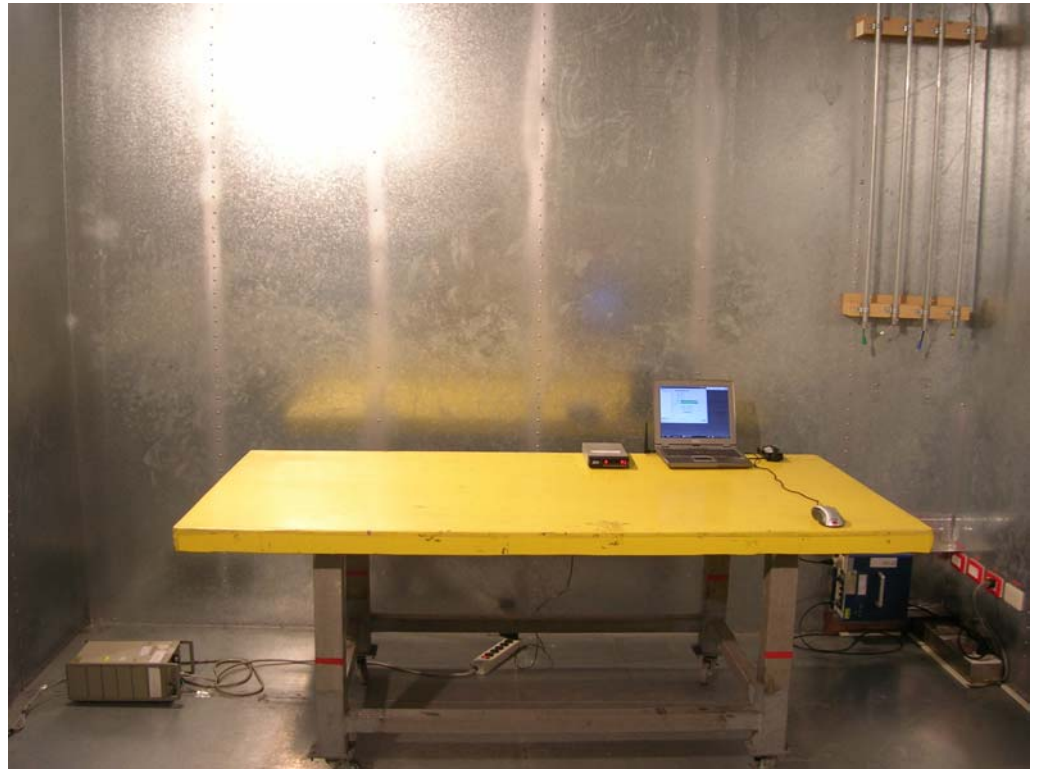
PI, total 19 pages

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

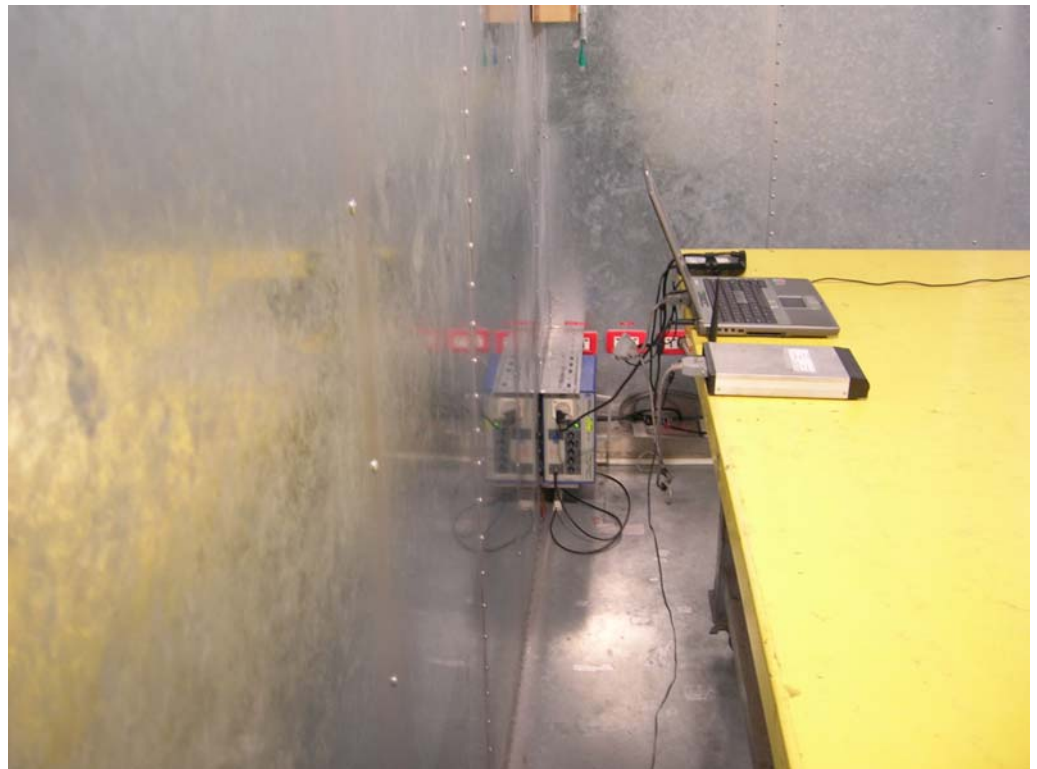
Appendix A. Test Photos

1 Photographs of Conducted Emissions Test Configuration

FRONT VIEW



REAR VIEW

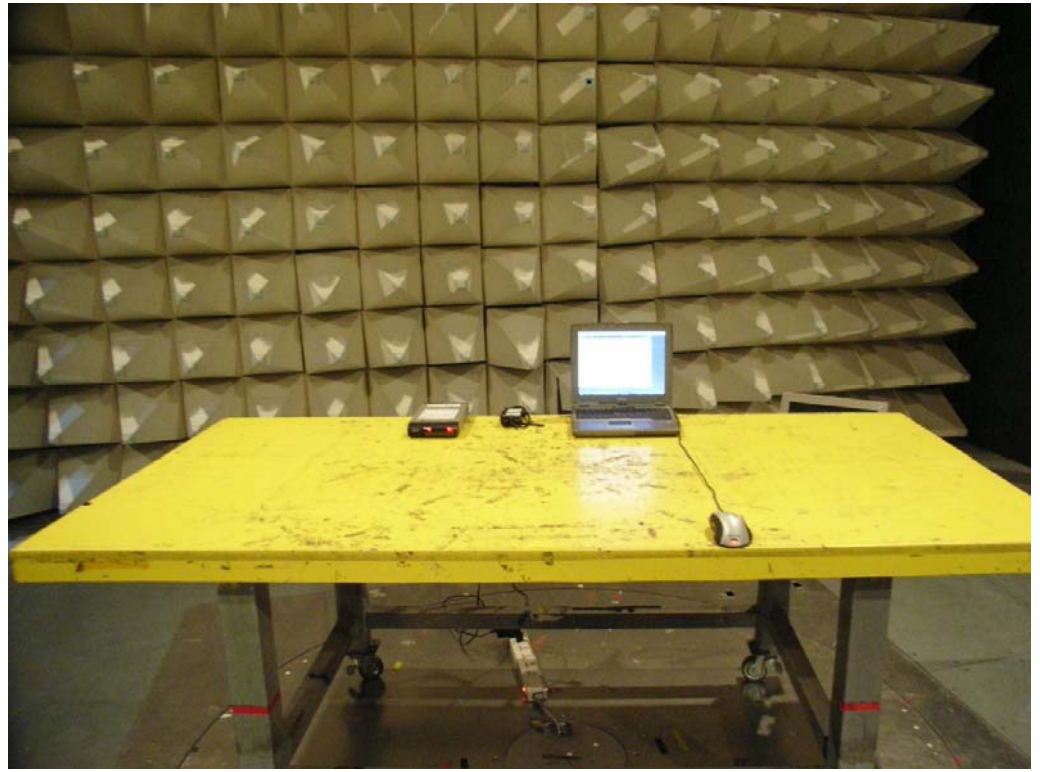


SIDE VIEW

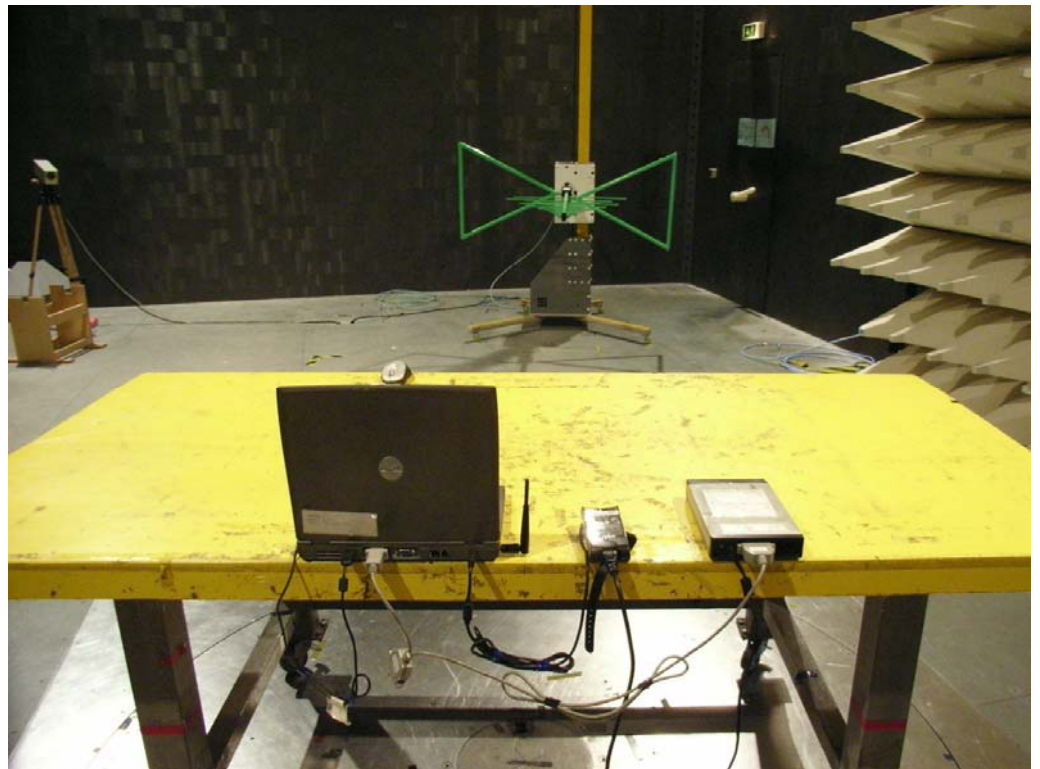


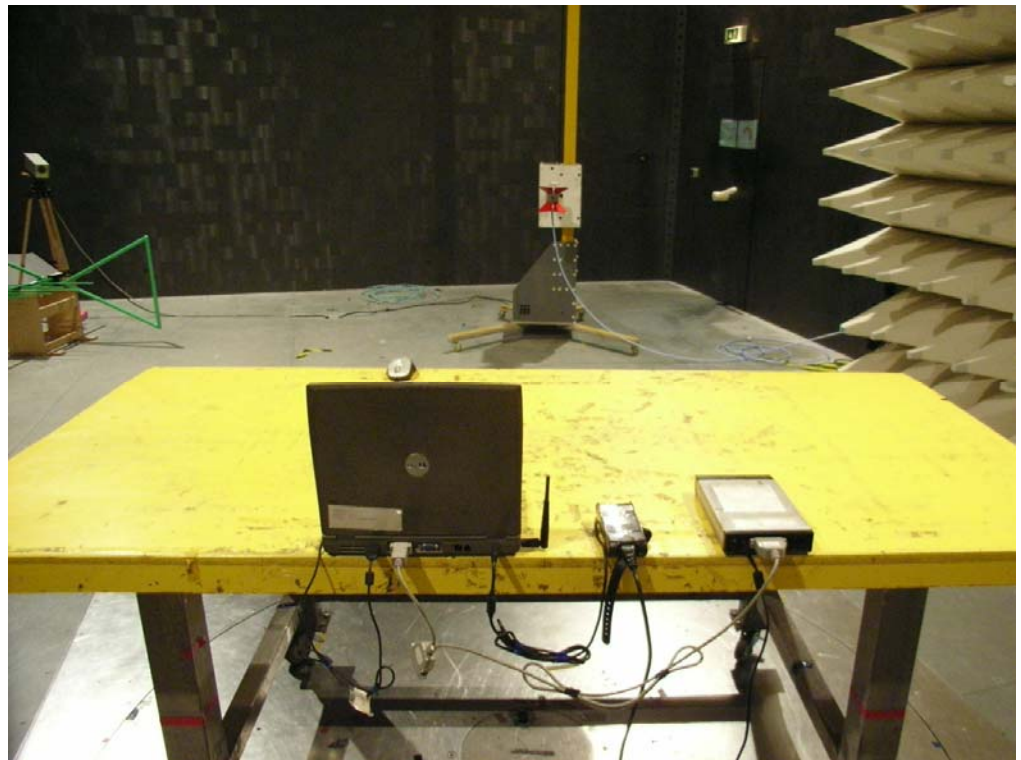
2 Photographs of Radiated Emissions Test Configuration

FRONT VIEW



REAR VIEW





APPENDIX B. Photographs of EUT





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