



SPORTON LAB.

Certificate No: **FD491754**

CERTIFICATE OF COMPLIANCE

Authorized under Declaration of Conformity
according to

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



EQUIPMENT : External dual bay RAID system

MODEL NO. : GR3660-B3, ST2-B3

APPLICANT : RAIDON TECHNOLOGY, INC.

7F-9, No.16, Lane 609, Sec. 5, Chung-Hsin Rd.,
San-Chung Dist., New Taipei City, Taiwan (R.O.C)



I HEREBY

CERTIFY THAT:

THE MEASUREMENTS SHOWN IN THIS TEST REPORT WERE MADE IN ACCORDANCE WITH THE PROCEDURES GIVEN IN **ANSI C63.4 - 2009** AND THE ENERGY EMITTED BY THIS EQUIPMENT WAS **PASSED CISPR PUB. 22 and FCC Part 15 Subpart B**. IN BOTH RADIATED AND CONDUCTED EMISSION **CLASS B** LIMITS.

THE TEST WAS CARRIED OUT ON **Sep. 25, 2014** AT **SPORTON INTERNATIONAL INC. LAB.**

Kero Kuo
Assistant Manager



FCC TEST REPORT

Authorized under **D**eclaration **o**f **C**onformity

according to

**47 CFR FCC Rules and Regulations Part 15 Subpart B,
Class B Digital Device**

Equipment : External dual bay RAID system

Model No. : GR3660-B3, ST2-B3

Filing Type : Declaration of Conformity

Applicant : **RAIDON TECHNOLOGY, INC.**
7F-9, No.16, Lane 609, Sec. 5, Chung-Hsin Rd.,
San-Chung Dist., New Taipei City, Taiwan (R.O.C)

- The test result refers exclusively to the test presented test model / sample.
- Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.
- **Certificate or Test Report must not be used by the applicant to claim the product in this test report endorsement by TAF or any agency of U.S. government.**

SPORTON International Inc.

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

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History of this test report

Original Report Issue Date: Oct. 20, 2014

■ No additional attachment.

□ Additional attachment were issued as following record:

Report No.	Version	Issue Date	Description
FD491754	Rev. 01	Oct.20, 2014	Original Report

CERTIFICATE OF COMPLIANCE

According to

47 CFR FCC Rules and Regulations Part 15 Subpart B, Class B Digital Device

Equipment : External dual bay RAID system

Model No. : GR3660-B3, ST2-B3

Applicant : **RAIDON TECHNOLOGY, INC.**
7F-9, No.16, Lane 609, Sec. 5, Chung-Hsin Rd.,
San-Chung Dist., New Taipei City, Taiwan (R.O.C)

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4 - 2009** and the energy emitted by this equipment were **passed CISPR PUB. 22** and **FCC Part 15 Subpart B** in both radiated and conducted emission **Class B** limits.

The product sample received on **Sep. 16, 2014** and completely tested on **Sep. 25, 2014** at **SPORTON International Inc. LAB.**



Kero Kuo
Assistant 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. General Description of Equipment under Test

1.1 Applicant

RAIDON TECHNOLOGY, INC.

7F-9, No.16, Lane 609, Sec. 5, Chung-Hsin Rd., San-Chung Dist., New Taipei City, Taiwan (R.O.C)

1.2 Manufacturer

Same as 1.1

1.3 Basic Description of Equipment under Test


Equipment : External dual bay RAID system
Model No. : GR3660-B3, ST2-B3
Trade Name : RAIDON
USB Cable : D-Shielded, 1.0 m
Power Supply Type : Adapter(Switching)
AC Power Cord : Non-Shielded, 1.85m, 3 pin
DC Power Cable : Non-Shielded, 1.2m

The maximum operating frequency is 5 GHz.

1.4 Feature of Equipment under Test

Adapter (KPL-050F)

Input : AC 100-240V, 50/60Hz, 1.7A

Output : DC 12V  4.17A

Please refer to user manual.

2. Test Configuration of Equipment under Test

2.1 Test Manner

- a. The EUT has been associated with peripherals pursuant to ANSI C63.4-2009 and configuration operated in a manner which tended to maximize its emission characteristics in a typical application.
- b. The complete test system included PC, LCD Monitor, USB Keyboard, USB Mouse, Printer, Modem, HDD (x2) and EUT for EMI test.
- c. The following test modes were pretested for conducted test:
 - Mode 1. STARDOM(ST2B3) USB3.0 R/W
 - Mode 2. RAIDON(GR3660-B3) USB3.0 R/W
 - ⇒ Cause "**Mode 1**" generated the worst test result; it was reported as final data.
- d. The following test modes were pretested for radiated(below 1GHz) final test:
 - Mode 1. STARDOM(ST2B3) USB3.0 R/W
 - Mode 2. RAIDON(GR3660-B3) USB3.0 R/W
 - ⇒ Cause "**Mode 1**" generated the worst test result; it was reported as final data.
- e. The following test mode was referring to radiated worst case "Mode 1"(5th harmonic of the highest frequency) final test:
 - Mode 1. STARDOM(ST2B3) USB3.0 R/W
- f. Frequency range investigated: Conducted 150 kHz to 30 MHz, Radiated 30 MHz to 25,000 MHz.

2.2 Description of Test System

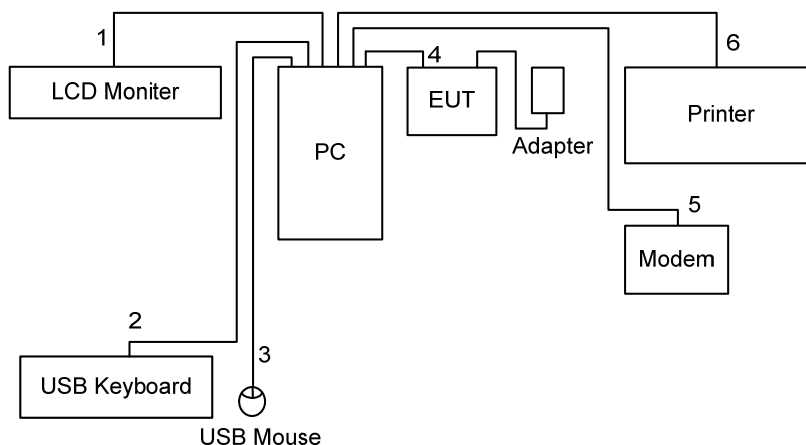
For conducted emission and radiated emission below 1GHz

No.	Description	Manufacturer	Model	FCC ID	Signal Cable Description
1	PC	Lenovo	C61	DoC	---
2	LCD Monitor	DELL	E198WFPF	DoC	D-SUB Cable, D-Shielded, 1.8m
3	USB Keyboard	Lenovo	KU-0225	DoC	USB Cable, AL-F-Shielded, 1.8m
4	USB Mouse	Lenovo	M-U0025-O	DoC	USB Cable, AL-F-Shielded, 1.8m
5	Printer	HP	C2642A	B94C2642X	LPT Cable, D-Shielded, 1.2m
6	Modem	ACEEX	DM1414	IFAXDM1414	RS-232 Cable, D-Shielded, 1.15m
7	HDD (x2)	SEATATE	ST3250318AS	DoC	---

For radiated emission above 1GHz

No.	Description	Manufacturer	Model	FCC ID	Signal Cable Description
1	PC	DELL	DCTA	DoC	---
2	LCD Monitor	DELL	U2410f	DoC	D-SUB Cable, D-Shielded, 1.8m
3	USB Keyboard	DELL	SK-8175	DoC	USB Cable, AL-F-Shielded, 1.8m
4	USB Mouse	DELL	MOC5UO	DoC	USB Cable, AL-F-Shielded, 1.8m
5	Printer	HP	C2642A	B94C2642X	LPT Cable, D-Shielded, 1.2m
6	Modem	ACEEX	DM1414	IFAXDM1414	RS-232 Cable, D-Shielded, 1.15m
7	HDD (x2)	SEATATE	ST3250318AS	DoC	---

2.3 Connection Diagram of Test System for Radiated Emission



The support unit 7 is insert into EUT.

1. The D-Sub cable is connected from support unit 1 to the support unit 2.
2. The USB cable is connected from support unit 1 to the support unit 3.
3. The USB cable is connected from support unit 1 to the support unit 4.
4. The USB 3.0 cable (D-shielded, 1.0m) is connected from EUT to the support unit 1.
5. The RS232 cable is connected from support unit 1 to the support unit 6.
6. The LPT cable is connected from support unit 1 to the support unit 5.

Note: Above support unit on behalf of the meaning, please refer to section 2.2.

3. Test Software

An executive program, "EMIprogram" under Win 7, which generates a complete line of continuously repeating " H " pattern was used as the test software.

The program was executed as follows :

- a. Turn on the power of all equipment.
- b. The PC reads the test program from the hard disk drive and runs it.
- c. The PC sends " H " messages to the monitor, and the monitor displays " H " patterns on the screen.
- d. The PC sends " H " messages to the printer, then the printer prints them on the paper.
- e. The PC sends " H " messages to the modem.
- f. Repeat the steps from c to e.

At the same time, the following program was executed:

- The PC executed "WINTHRAX" to read and write the HDD of EUT via USB cable.

4. General Information of Test

4.1 Test Facility

For conducted emission

Test Site Location : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C.
TEL : 886-2-2631-5551
FAX : 886-2-2631-9740

Test Site No. : CO01-NH

For radiated emission below 1GHz

Test Site Location : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C.
TEL : 886-2-2631-5551
FAX : 886-2-2631-9740

Test Site No. : OS02-NH

For radiated emission above 1GHz

Test Site Location : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang,
Tao Yuan Hsien, Taiwan, R.O.C.
TEL : 886-3-327-3456
FAX : 886-3-327-0973
03CH04-HY

4.2 Uncertainty of Test Site

Test Items	Test Site No.	Uncertainty	Remark
Conducted Emissions	CO01-NH	± 2.6 dB	Confidence levels of 95%
Radiated Emissions below 1GHz	OS02-NH	± 3.0 dB	Confidence levels of 95%
Radiated Emissions above 1GHz	03CH04-HY	± 4.7 dB	Confidence levels of 95%

4.3 Test Voltage

120V / 60Hz

4.4 Standard for Methods of Measurement

ANSI C63.4-2009

4.5 Test in Compliance with

CISPR PUB. 22 and FCC Part 15

4.6 Frequency Range Investigated

- Conducted emission test: from 150 kHz to 30 MHz
- Radiated emission test: from 30 MHz to 25,000 MHz

4.7 Test Distance

- The test distance of radiated emission from antenna to EUT is 10 M (from 30 MHz ~ 1 GHz)
- The test distance of radiated emission from antenna to EUT is 3 M (from 1 GHz ~ 9 GHz)
- The test distance of radiated emission from antenna to EUT is 1 M (from 9 GHz ~ 25 GHz)

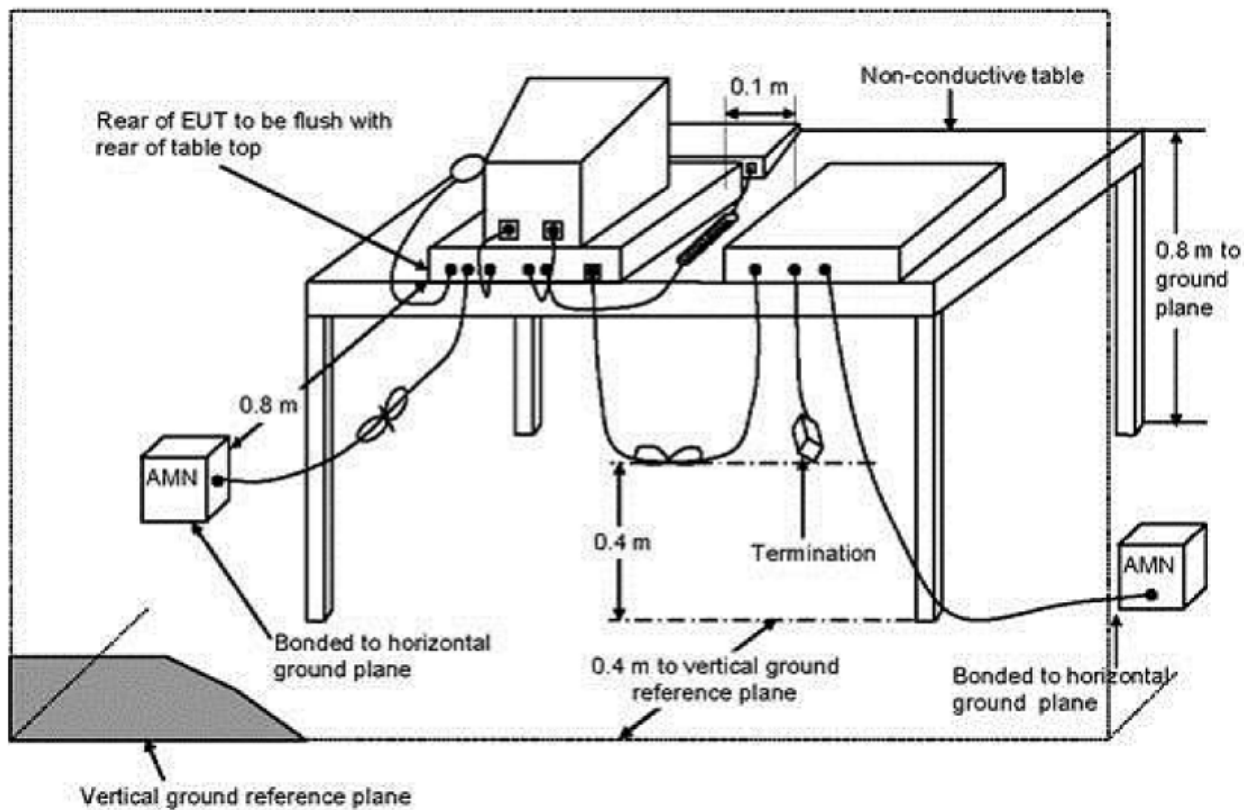
5. Test of Conducted Powerline

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 kHz and return leads of the EUT according to the methods defined in ANSI C63.4, Clause 7. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 5.3. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

5.1 Test Procedures

- a. The EUT was warmed up for 15 minutes before testing started.
- b. The EUT was placed on a desk 0.8 meters height from the metal ground plane and 0.4 meter from the conducting wall of the shielding room and it was kept at least 0.8 meters from any other grounded conducting surface.
- c. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- d. All the support units are connect to the other LISN.
- e. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- f. The CISPR states that a 50 ohm, 50 microhenry LISN should be used.
- g. Both sides of AC line were checked for maximum conducted interference.
- h. The frequency range from 150 kHz to 30 MHz was searched.
- i. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

5.2 Typical Test Setup Layout of Conducted Power line

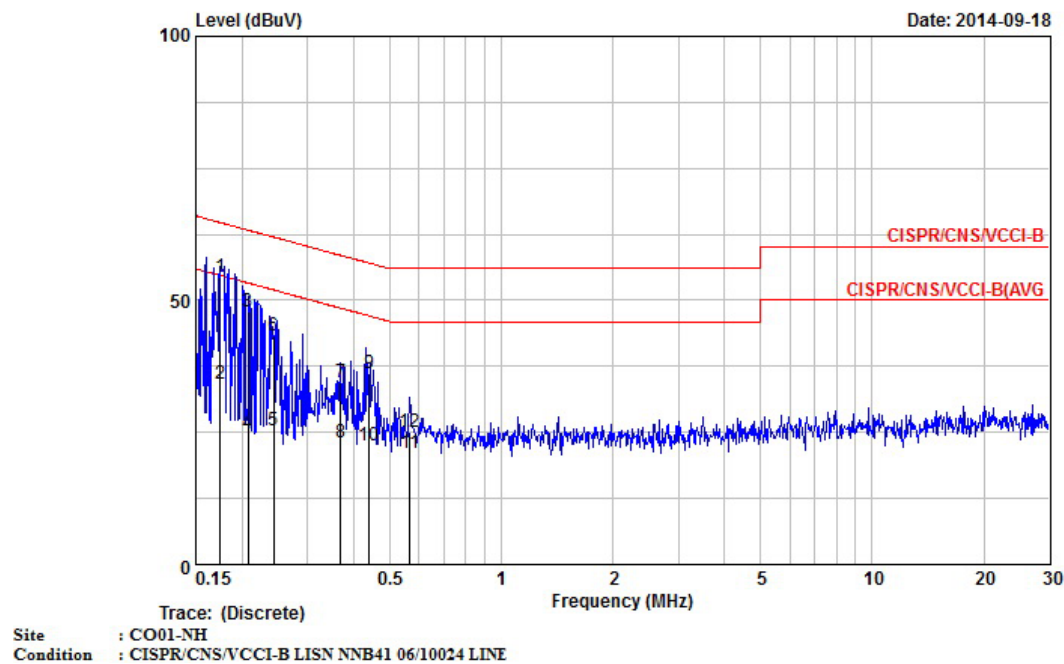


5.3 Test Result of AC Powerline Conducted Emission

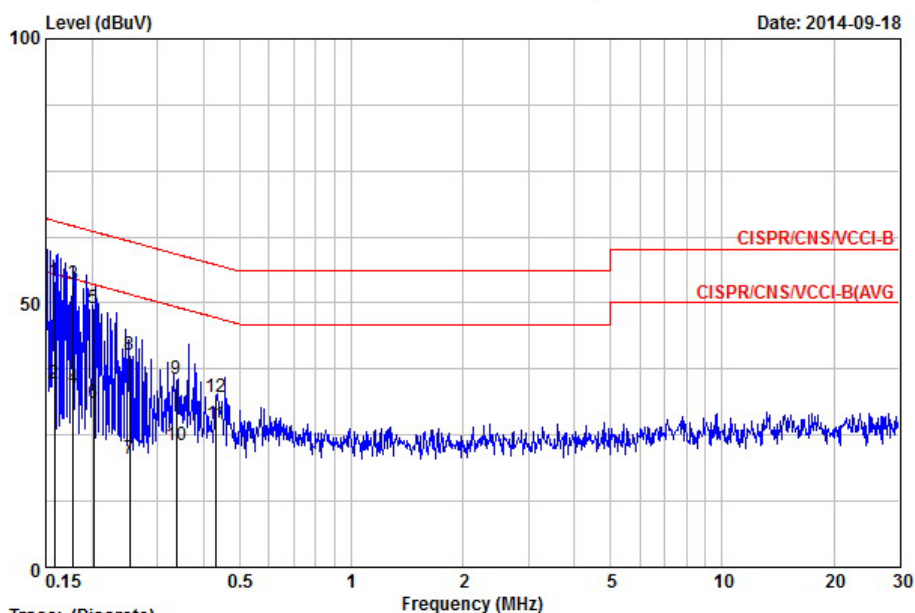
Test Mode	Mode 1	Temperature	26°C
Test Engineer	Willy Lee	Humidity	52%

Note: Corrected Reading (dBμV) = LISN Factor + Cable Loss + Read Level = Level

■ The test was passed at the minimum margin that marked by the frame in the following data



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBμV	dB	dBμV	dBμV	dB	dB	
1	0.175	54.41	-10.32	64.72	43.74	10.57	0.10	QP
2	0.175	34.25	-20.47	54.72	23.58	10.57	0.10	AVERAGE
3	0.207	47.74	-15.58	63.32	37.08	10.56	0.10	QP
4	0.207	24.83	-28.49	53.32	14.17	10.56	0.10	AVERAGE
5	0.243	25.22	-26.77	52.00	14.58	10.54	0.10	AVERAGE
6	0.243	43.22	-18.77	62.00	32.58	10.54	0.10	QP
7	0.369	34.57	-23.95	58.52	23.97	10.50	0.10	QP
8	0.369	23.15	-25.37	48.52	12.55	10.50	0.10	AVERAGE
9	0.440	36.22	-20.84	57.07	25.63	10.49	0.10	QP
10	0.440	22.56	-24.50	47.07	11.97	10.49	0.10	AVERAGE
11	0.567	21.09	-24.91	46.00	10.49	10.50	0.10	AVERAGE
12	0.567	25.19	-30.81	56.00	14.59	10.50	0.10	QP



Trace: (Discrete)
 Site : CO01-NH
 Condition : CISPR/CNS/VCCI-B LISN NNB41 06/10024 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 @	0.158	54.03	-11.53	65.56	43.84	10.09	0.10	QP
2	0.158	34.71	-20.85	55.56	24.52	10.09	0.10	AVERAGE
3 @	0.178	53.58	-11.01	64.59	43.40	10.08	0.10	QP
4	0.178	33.93	-20.66	54.59	23.75	10.08	0.10	AVERAGE
5	0.202	49.06	-14.48	63.54	38.88	10.08	0.10	QP
6	0.202	30.96	-22.58	53.54	20.78	10.08	0.10	AVERAGE
7	0.252	20.61	-31.07	51.69	10.43	10.08	0.10	AVERAGE
8	0.252	40.27	-21.41	61.69	30.09	10.08	0.10	QP
9	0.337	35.62	-23.65	59.27	25.44	10.08	0.10	QP
10	0.337	23.12	-26.15	49.27	12.94	10.08	0.10	AVERAGE
11	0.433	27.16	-20.04	47.20	16.98	10.08	0.10	AVERAGE
12	0.433	32.22	-24.98	57.20	22.04	10.08	0.10	QP

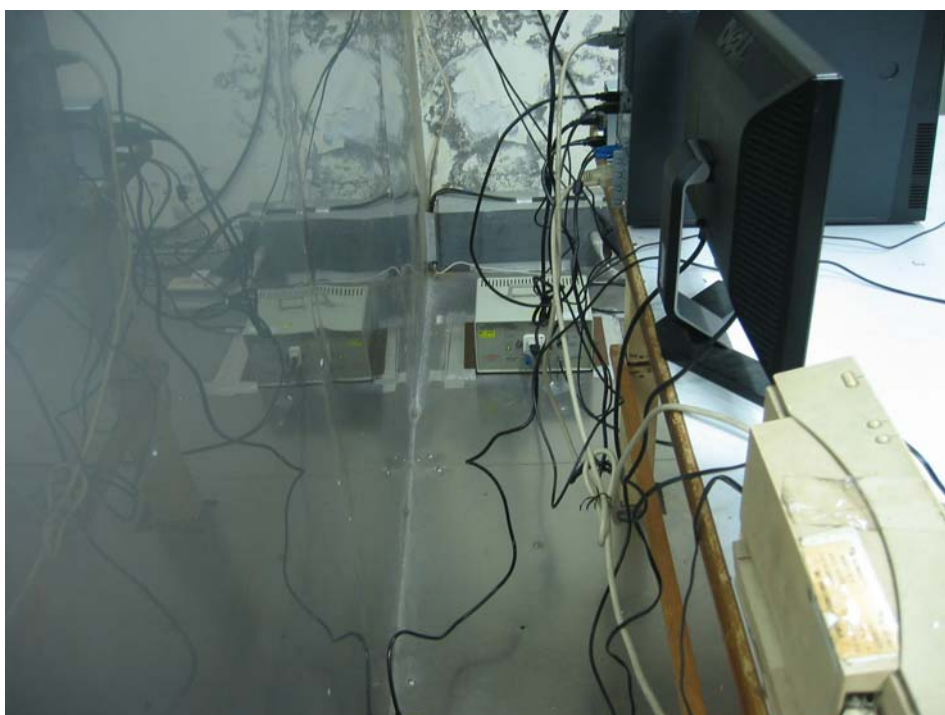
5.4 Photographs of Conducted Power line Test Configuration

- The photographs show the configuration that generates the maximum emission.

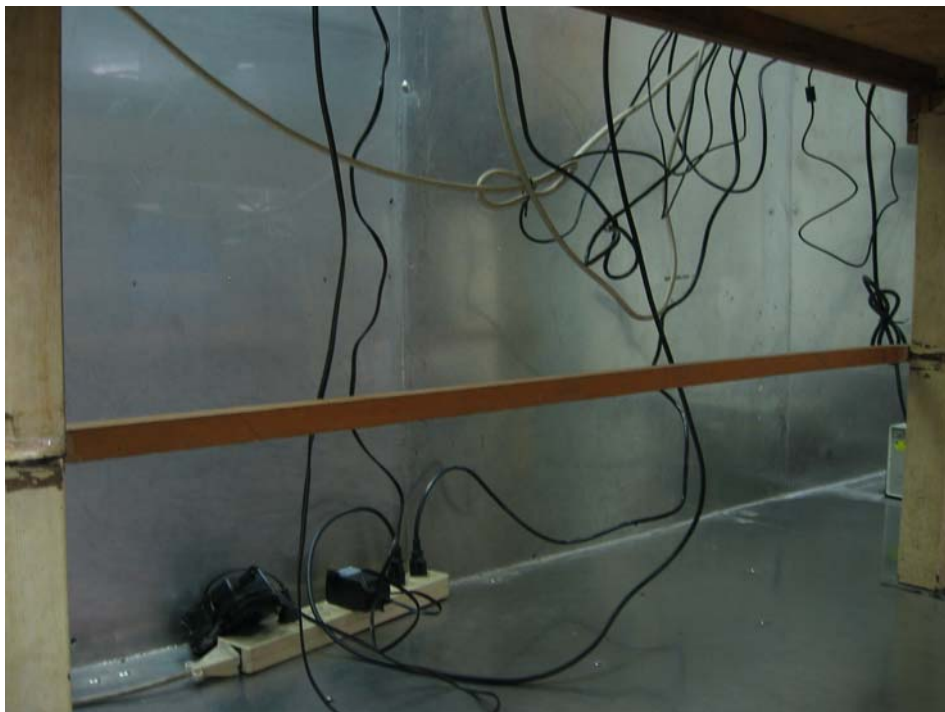
FRONT VIEW



REAR VIEW



SIDE VIEW



6. Test of Radiated Emission

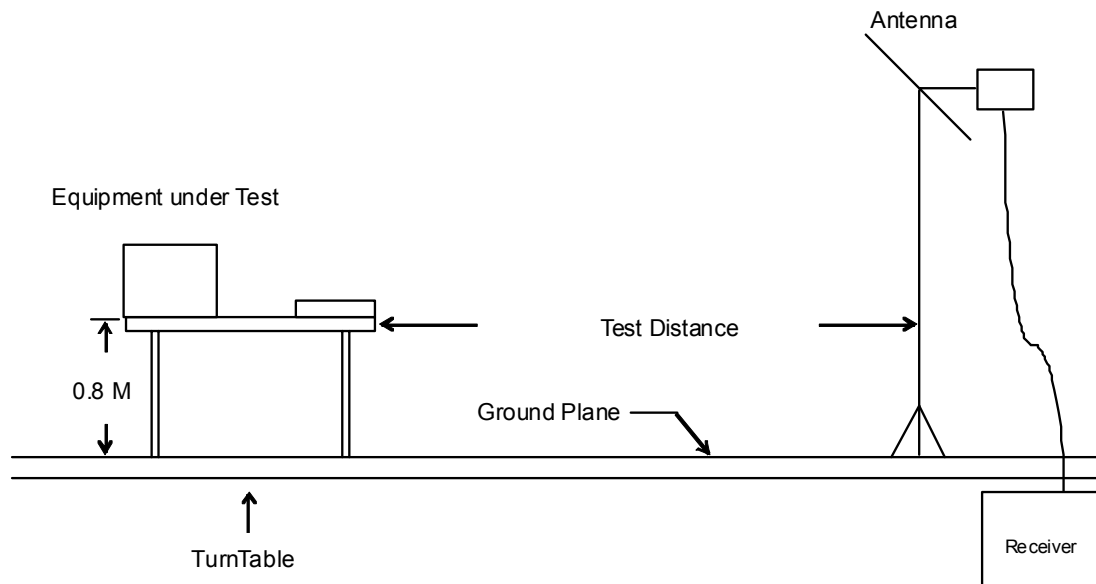
Radiated emissions below 1 GHz were measured with a bandwidth of 120 kHz for 30 MHz to 1,000 MHz and bandwidth of 1 MHz for above 1 GHz to 5th harmonic of highest frequency according to the methods defines in ANSI C63.4, Clause 8. The EUT was placed on a nonmetallic stand, 0.8 meter above the ground plane, as shown in section 6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions.

6.1 Test Procedures

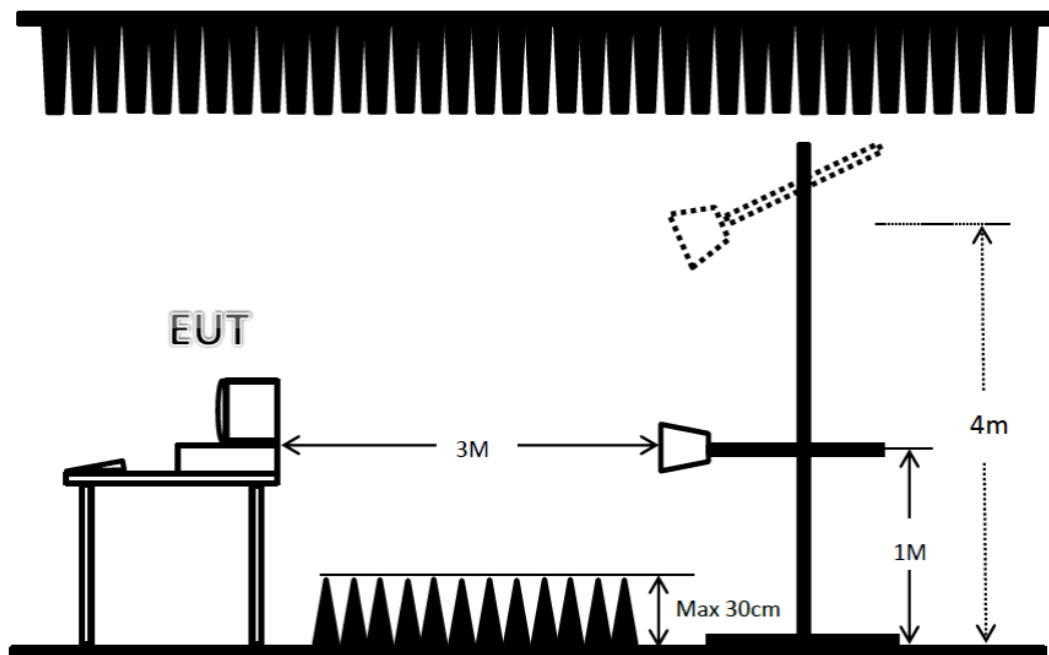
- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 10/3/1 meters from the interference-receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- f. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

6.2 Typical Test Setup Layout of Radiated Emission

< Below 1GHz >



< Above 1GHz >



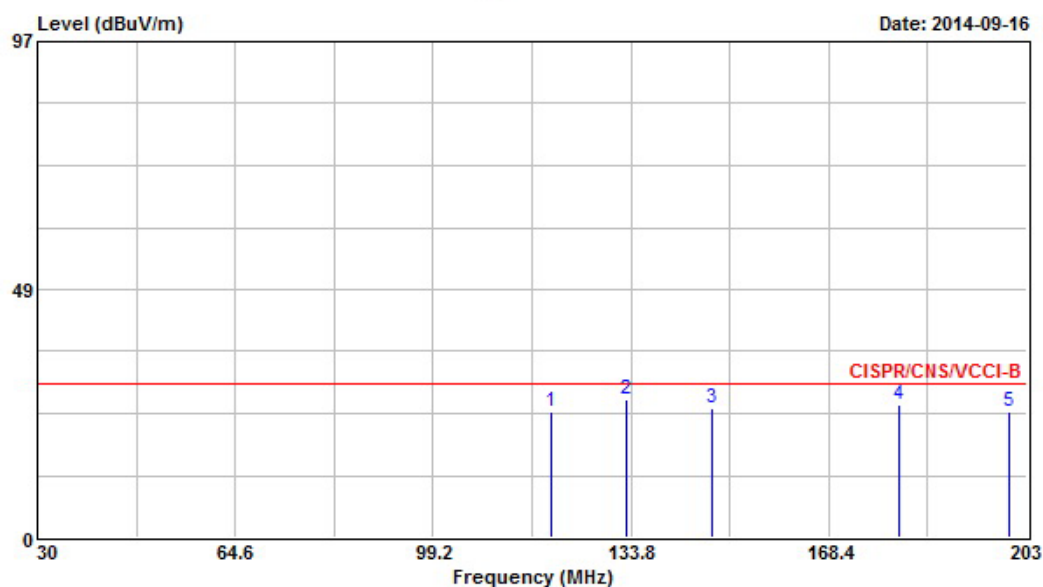
6.3 Test Result of Radiated Emission (Below 1GHz)

Frequency Range of Test	From 30 MHz to 1,000 MHz	Test Distance	10m
Test Mode	Mode 1	Temperature	30°C
Test Engineer	Chas Yeh	Humidity	49%

Note: 1. Emission level (dBμV/m) = 20 log Emission level (μV/m)

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

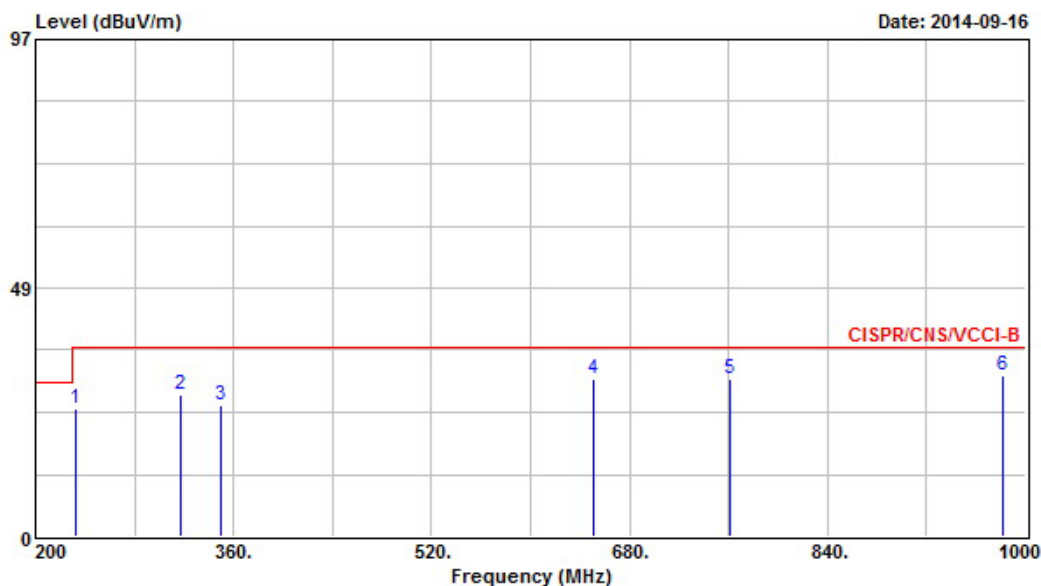
■ The test was passed at the minimum margin that marked by the frame in the following data



Site : OS02-NH

Condition : CISPR/CNS/VCCI-B 10m OS02-ANT-03-03-2014 VERTICAL

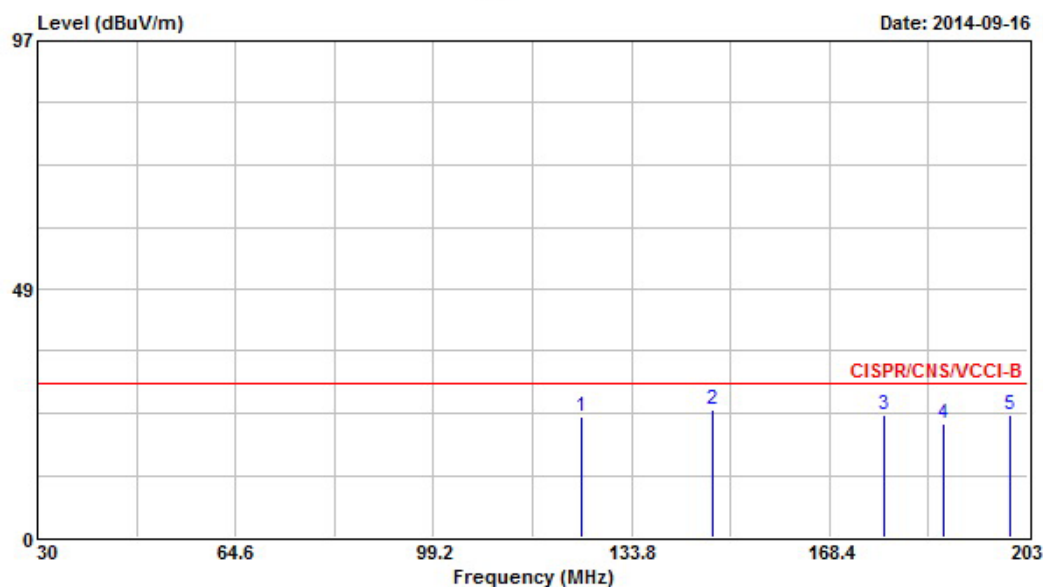
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	119.960	24.67	-5.33	30.00	42.61	12.21	1.45	31.60	Peak	---	---
2	132.940	26.96	-3.04	30.00	45.37	11.65	1.52	31.58	QP	100	180
3	147.990	25.21	-4.79	30.00	44.44	10.70	1.62	31.55	Peak	---	---
4	180.680	25.92	-4.08	30.00	46.30	9.30	1.80	31.48	Peak	---	---
5	200.060	24.61	-5.39	30.00	44.70	9.42	1.92	31.43	Peak	---	---



Site : OS02-NH

Condition : CISPR/CNS/VCCI-B 10m OS02-ANT-03-03-2014 VERTICAL

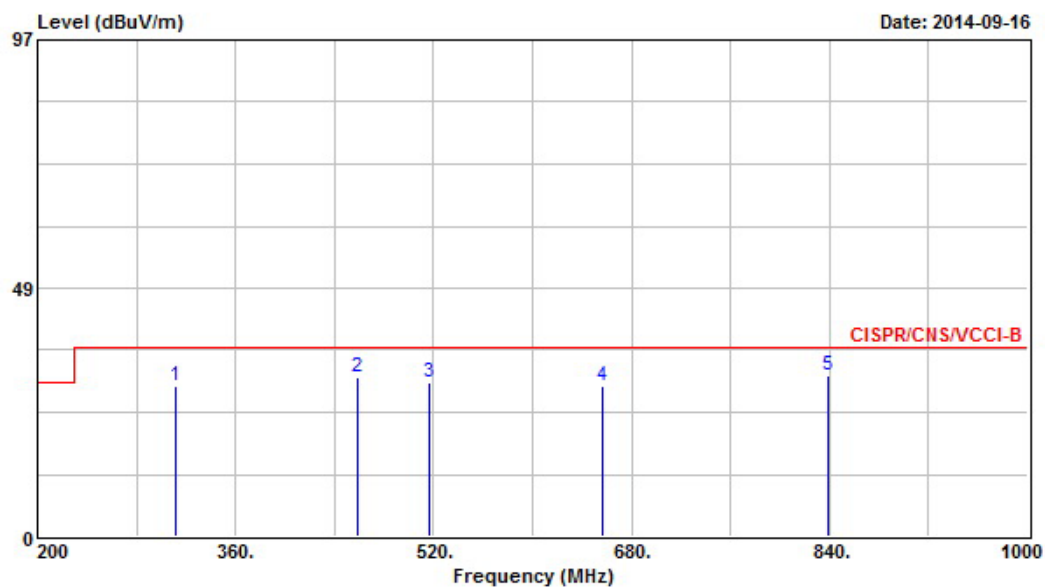
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	232.000	24.88	-12.12	37.00	42.91	11.29	2.06	31.38 Peak	---	---
2	316.800	27.78	-9.22	37.00	42.89	13.71	2.46	31.28 Peak	---	---
3	349.600	25.53	-11.47	37.00	39.74	14.53	2.59	31.33 Peak	---	---
4	650.400	30.63	-6.37	37.00	38.91	19.16	3.81	31.25 Peak	---	---
5	761.600	30.59	-6.41	37.00	37.64	19.99	4.18	31.22 Peak	---	---
6	981.600	31.49	-5.51	37.00	35.52	22.19	4.83	31.05 Peak	---	---



Site : OS02-NH

Condition : CISPR/CNS/VCCI-B 10m OS02-ANT-03-03-2014 HORIZONTAL

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
			Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	125.150	23.48	-6.52	30.00	41.52	12.08	1.47	31.59 Peak	---	---
2	147.990	24.98	-5.02	30.00	44.21	10.70	1.62	31.55 Peak	---	---
3	177.920	23.85	-6.15	30.00	44.09	9.45	1.79	31.48 Peak	---	---
4	188.300	22.30	-7.70	30.00	42.49	9.35	1.92	31.46 Peak	---	---
5	200.060	23.93	-6.07	30.00	44.02	9.42	1.92	31.43 Peak	---	---



Site : OS02-NH

Condition : CISPR/CNS/VCCI-B 10m OS02-ANT-03-03-2014 HORIZONTAL

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	311.200	29.47	-7.53	37.00	44.76	13.57	2.42	31.28 Peak	---	---
2	458.400	31.18	-5.82	37.00	42.58	16.90	3.05	31.35 Peak	---	---
3	516.000	29.97	-7.03	37.00	40.12	17.88	3.28	31.31 Peak	---	---
4	656.000	29.38	-7.62	37.00	37.63	19.17	3.83	31.25 Peak	---	---
5	839.200	31.36	-5.64	37.00	37.32	20.79	4.41	31.16 Peak	---	---

6.4 Photographs of Radiated Emission (Below 1GHz) Test Configuration

- The photographs show the configuration that generates the maximum emission.

FRONT VIEW



REAR VIEW



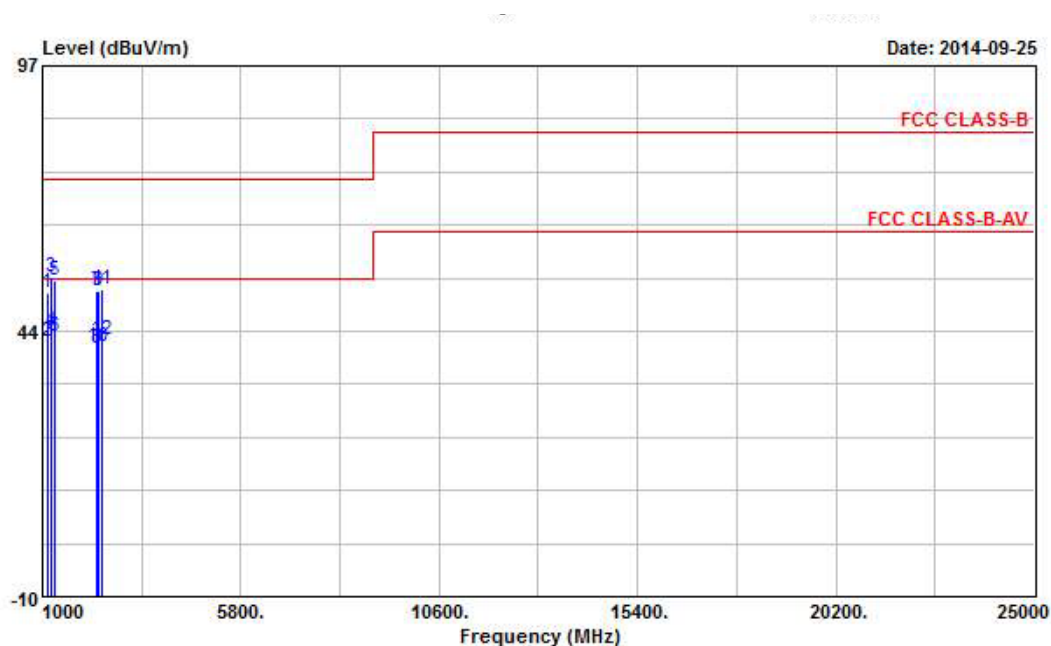
6.5 Test Result of Radiated Emission (Above 1GHz)

Frequency Range of Test	From 1,000 MHz to 25,000 MHz	Test Distance	3m / 1m
Test Mode	Mode 1	Temperature	26°C
Test Engineer	Yen-Liang Ou	Humidity	51%

Note: 1. Emission level (dBμV/m) = 20 log Emission level (μV/m)

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

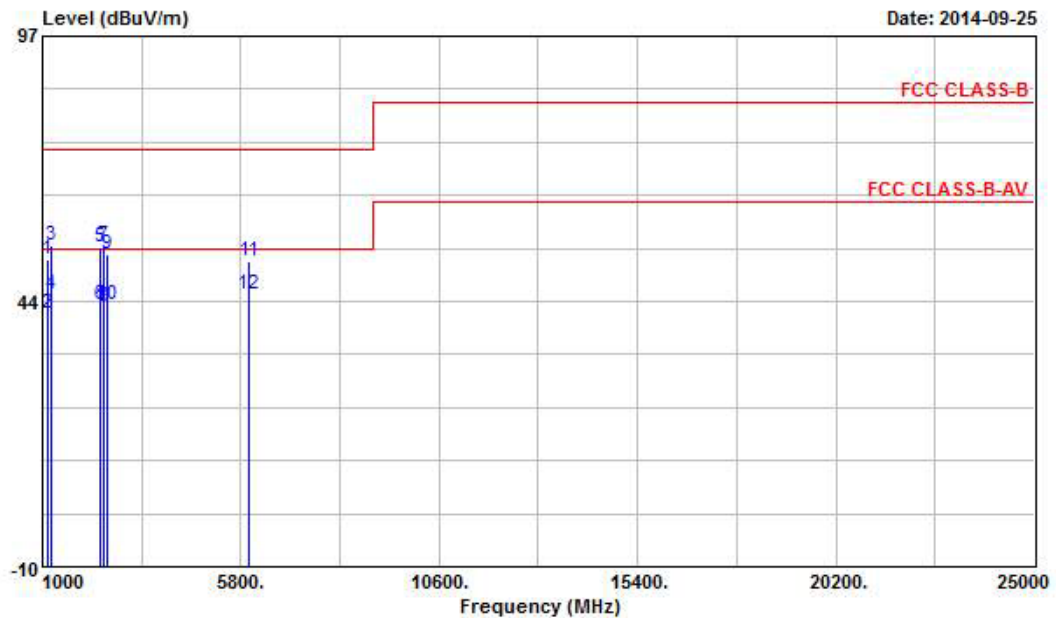
■ The test was passed at the minimum margin that marked by the frame in the following data



Site :03CH04-HY

Condition:FCC CLASS-B 3m HF-ANT-9120D VERTICAL

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Preamp	Cable	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	Level	Factor	Loss	Pos	Pos	Remark
					dBuV	dB/m	dB	cm	deg	
1	1124.000	51.32	-22.68	74.00	59.03	24.97	34.33	1.65	100	225 Peak
2	1124.000	41.28	-12.72	54.00	48.99	24.97	34.33	1.65	100	225 Average
3	1206.000	54.51	-19.49	74.00	61.86	25.16	34.21	1.70	100	225 Peak
4 @	1206.000	43.62	-10.38	54.00	50.97	25.16	34.21	1.70	100	225 Average
5	1308.000	53.76	-20.24	74.00	60.66	25.38	34.06	1.78	100	225 Peak
6	1308.000	42.29	-11.71	54.00	49.19	25.38	34.06	1.78	100	225 Average
7	2294.000	51.71	-22.29	74.00	56.27	26.80	33.80	2.44	100	240 Peak
8	2294.000	39.87	-14.13	54.00	44.43	26.80	33.80	2.44	100	240 Average
9	2350.000	51.63	-22.37	74.00	56.06	26.93	33.85	2.49	100	212 Peak
10	2350.000	40.25	-13.75	54.00	44.68	26.93	33.85	2.49	100	212 Average
11	2454.000	52.05	-21.95	74.00	56.23	27.22	33.94	2.54	100	233 Peak
12	2454.000	41.81	-12.19	54.00	45.99	27.22	33.94	2.54	100	233 Average



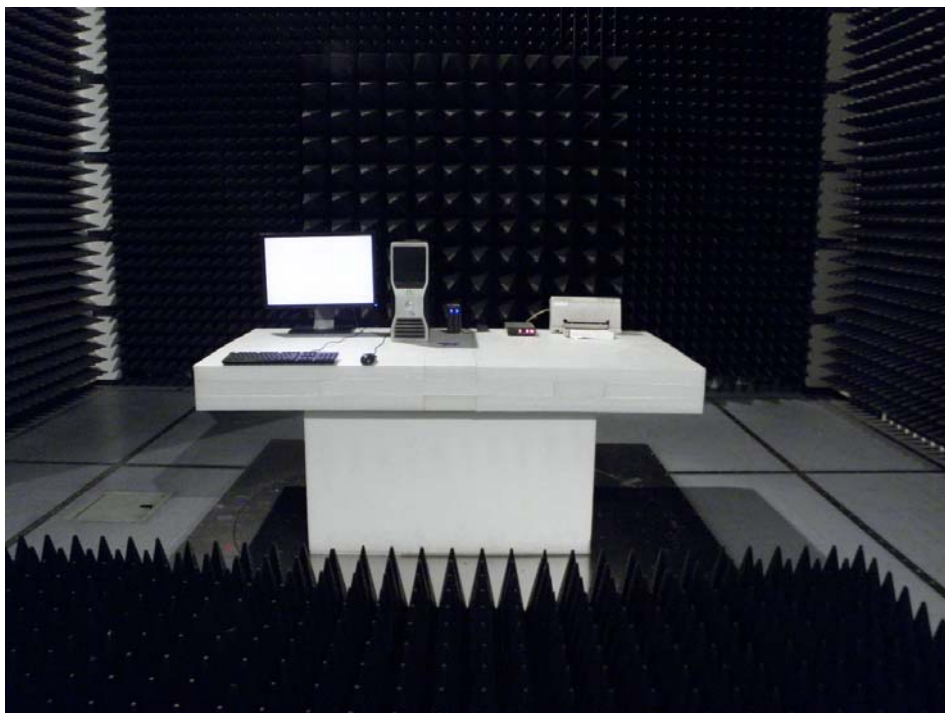
Site : 03CH04-HY
Condition: FCC CLASS-B 3m HF-ANT-9120D HORIZONTAL

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Factor	Loss	Pos	Pos Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1116.000	52.04	-21.96	74.00	59.75	24.97	34.33	1.65	100	201 Peak
2	1116.000	40.93	-13.07	54.00	48.64	24.97	34.33	1.65	100	201 Average
3	1206.000	54.67	-19.33	74.00	62.02	25.16	34.21	1.70	100	211 Peak
4 @	1206.000	44.94	-9.06	54.00	52.29	25.16	34.21	1.70	100	211 Average
5	2398.000	54.49	-19.51	74.00	58.82	27.05	33.90	2.52	100	214 Peak
6	2398.000	42.88	-11.12	54.00	47.21	27.05	33.90	2.52	100	214 Average
7	2462.000	54.59	-19.41	74.00	58.77	27.22	33.94	2.54	100	209 Peak
8	2462.000	42.46	-11.54	54.00	46.64	27.22	33.94	2.54	100	209 Average
9	2548.000	52.96	-21.04	74.00	56.95	27.40	34.02	2.63	100	244 Peak
10	2548.000	42.70	-11.30	54.00	46.69	27.40	34.02	2.63	100	244 Average
11	5997.000	51.71	-22.29	74.00	49.71	32.40	34.47	4.07	100	223 Peak
12 @	5997.000	44.75	-9.25	54.00	42.75	32.40	34.47	4.07	100	223 Average

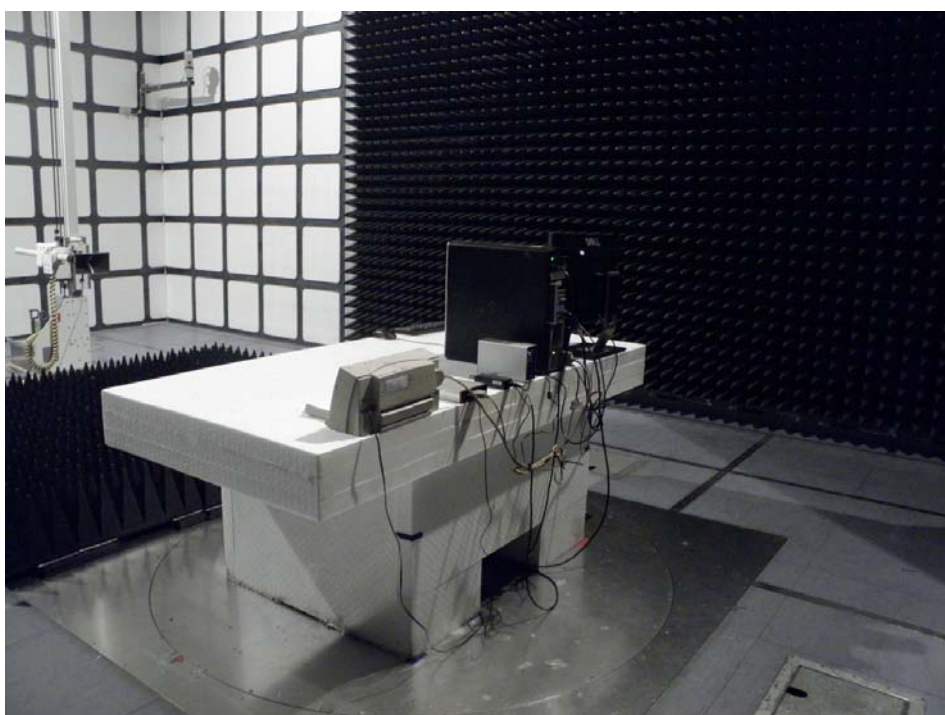
6.6 Photographs of Radiated Emission (Above 1GHz) Test Configuration

- The photographs show the configuration that generates the maximum emission.

FRONT VIEW



REAR VIEW



7. List of Measuring Equipment Used

< Conducted Emission >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Receiver	R&S	ESCS 30	100167	9 kHz - 2.75 GHz	Nov. 05, 2013	Conduction (CO01-NH)
LISN	SCHAFFNER	NNB41	06/10024	9kHz - 30MHz	Dec. 05, 2013	Conduction (CO01-NH)
RF Cable-CON	Suhner Switzerland	RG223/U	CB004	9kHz - 30MHz	Dec. 11, 2013	Conduction (CO01-NH)
LISN	KYORITSU	KNW-407	8-1010-15	9kHz - 30MHz	N/A	Conduction (CO01-NH)
Power Filter	CORCOM	MR12030	N/A	30A*2	N/A	Conduction (CO01-NH)

※ Calibration Interval of instruments listed above is one year.

< Radiated Emission below 1GHz >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Open Area Test Site	SPORTON	OATS-10	OS02-NH	30 MHz - 1 GHz 10m, 3m	Dec. 30, 2013	Radiation (OS02-NH)
Amplifier	BURGEON	BPA-530	100203	0.01 MHz - 3 GHz	May 19, 2014	Radiation (OS02-NH)
Receiver	R&S	ESCI	100497	9 kHz - 3 GHz	Apr. 24, 2014	Radiation (OS02-NH)
Bilog Antenna	CHASE	CBL6122B	2884	30 MHz - 2 GHz	Feb. 28, 2014	Radiation (OS02-NH)
RF Cable-R10m	MIYAZAKI	5DFB	CB044	30 MHz - 1 GHz	Aug. 29, 2014	Radiation (OS02-NH)
Turn Table	EMCO	2080	9508-1805	0 - 360 degree	N/A	Radiation (OS02-NH)
Antenna Mast	ETS	2075-2	2385	1 m - 4 m	N/A	Radiation (OS02-NH)

※ Calibration Interval of instruments listed above is one year.

< Radiated Emission above 1GHz >

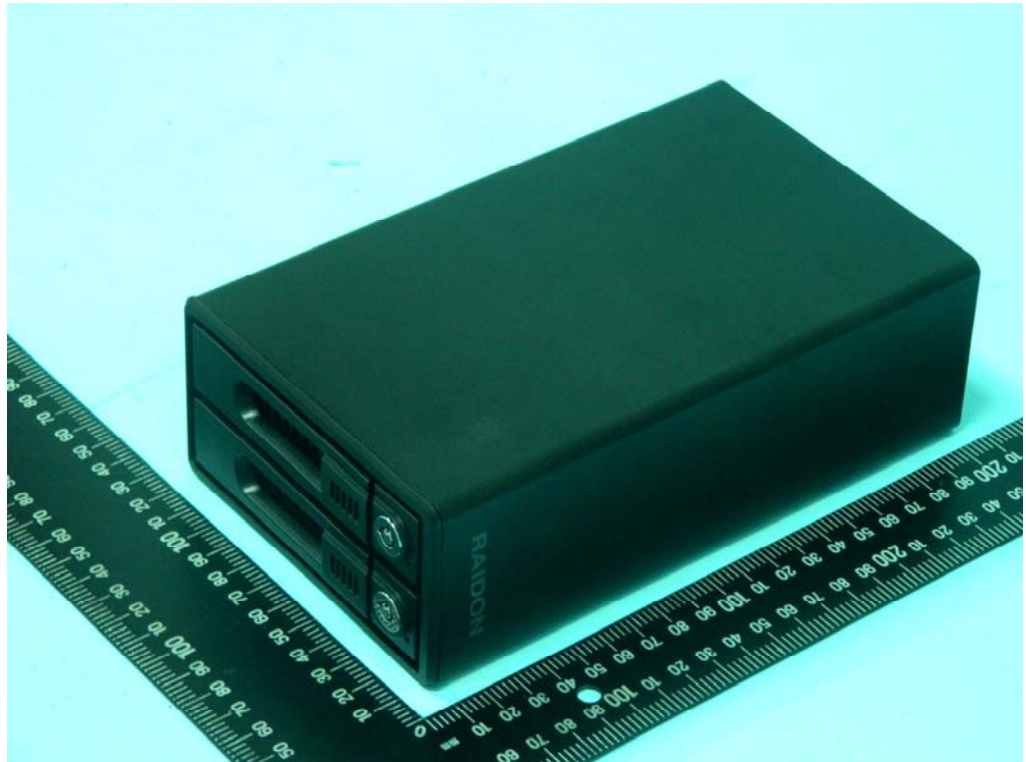
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP40	100593	9 kHz ~ 40 GHz	Oct. 03, 2013	Radiation (03CH04-HY)
Amplifier	Agilent	8449B	3008A02326	1GHz ~ 26.5GHz	May 22, 2014	Radiation (03CH04-HY)
Horn Antenna	SCHWARZBECK	BBHA9120	BBHA9120D1130	1 GHz ~ 18 GHz	Sep.16, 2014	Radiation (03CH04-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	CB063-HF	1 GHz ~ 40 GHz	Nov.20, 2013	Radiation (03CH04-HY)
Turn Table	Chaintek	3000	MF7802056	0 ~ 360 degree	NCR	Radiation (03CH04-HY)
Antenna Mast	MF	MF-7802	MF780208163	1 m ~ 4 m	NCR	Radiation (03CH04-HY)

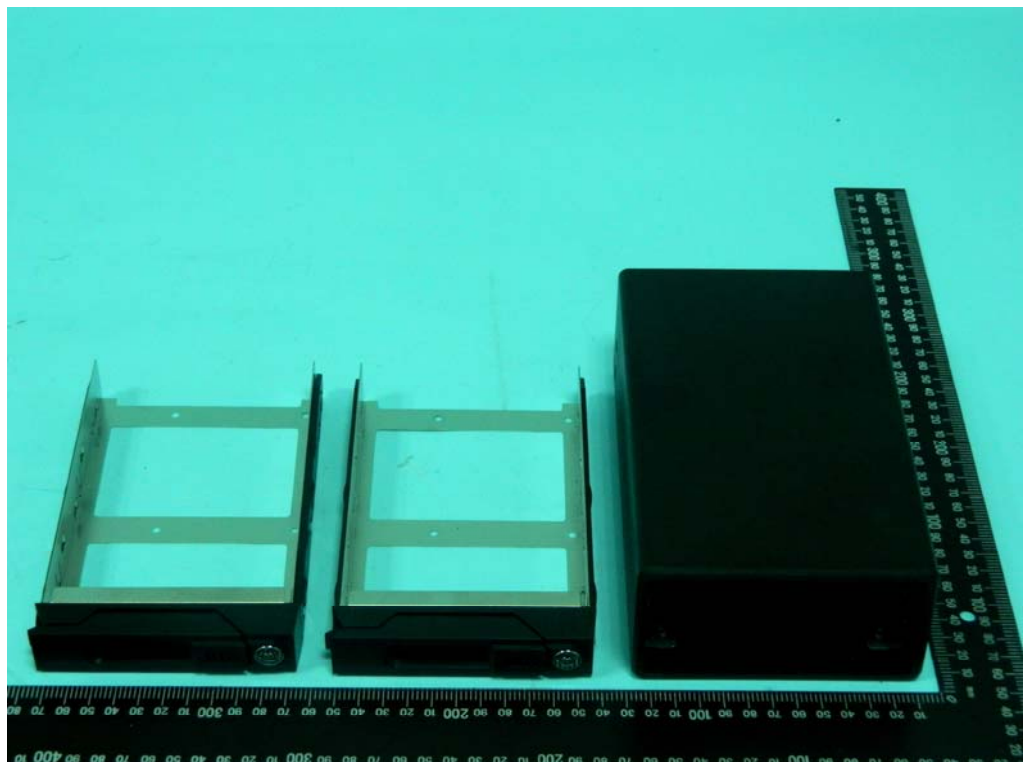
※ Calibration Interval of instruments listed above is one year.

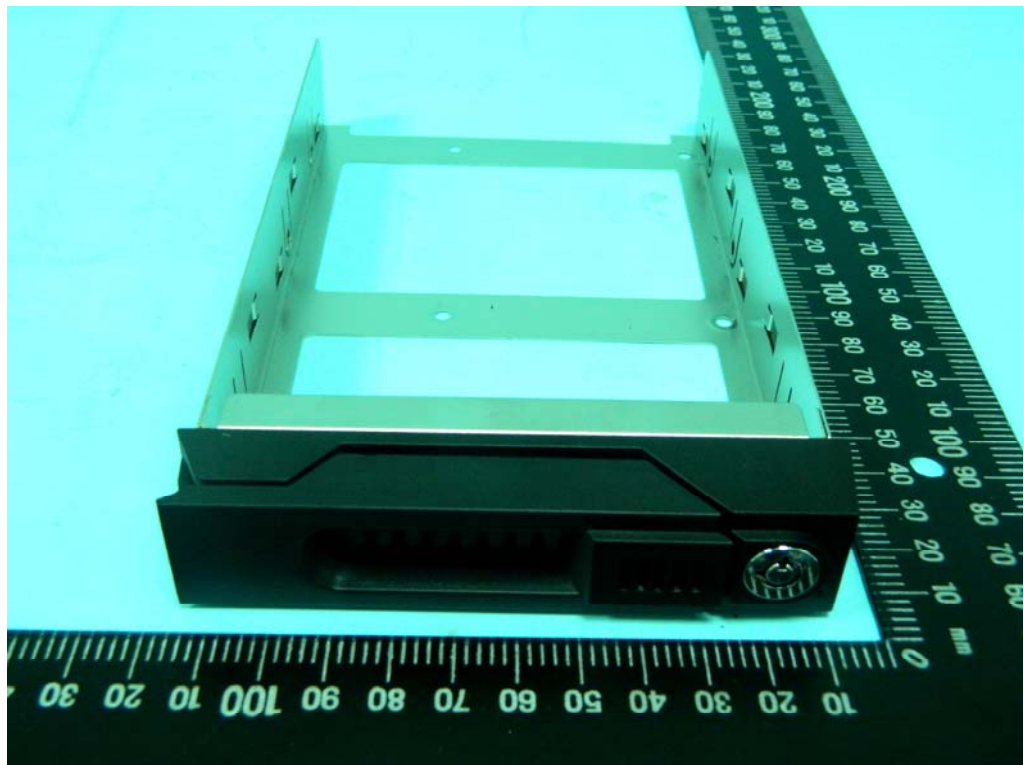
※ NCR: No calibration request.

APPENDIX A. Photographs of EUT

GR3660-B3







ST2-B3

