



SPORTON LAB.

Certificate No: FD492524

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. : ST2-WB3

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)

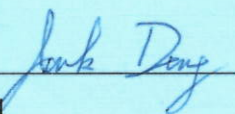


I HEREBY

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 **Oct. 24, 2014** AT SPORTON INTERNATIONAL INC. LAB.



Jack Deng
Engineering 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. : ST2-WB3

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.

Table of Contents

History of this test report.....	ii
CERTIFICATE OF COMPLIANCE.....	1
1. General Description of Equipment under Test.....	2
1.1 Applicant.....	2
1.2 Manufacturer	2
1.3 Basic Description of Equipment under Test	2
1.4 Feature of Equipment under Test	2
2. Test Configuration of Equipment under Test.....	3
2.1 Test Manner	3
2.2 Description of Test System	4
2.3 Connection Diagram of Test System for Radiated Emission	5
3. Test Software	6
4. General Information of Test.....	7
4.1 Test Facility	7
4.2 Uncertainty of Test Site	7
4.3 Test Voltage	7
4.4 Standard for Methods of Measurement.....	7
4.5 Test in Compliance with	7
4.6 Frequency Range Investigated	7
4.7 Test Distance	7
5. Test of Conducted Powerline	8
5.1 Test Procedures.....	8
5.2 Typical Test Setup Layout of Conducted Power line	9
5.3 Test Result of AC Powerline Conducted Emission	10
5.4 Photographs of Conducted Power line Test Configuration	12
6. Test of Radiated Emission.....	14
6.1 Test Procedures.....	14
6.2 Typical Test Setup Layout of Radiated Emission.....	15
6.3 Test Result of Radiated Emission (Below 1GHz).....	16
6.4 Photographs of Radiated Emission (Below 1GHz) Test Configuration	20
6.5 Test Result of Radiated Emission (Above 1GHz)	21
6.6 Photographs of Radiated Emission (Above 1GHz) Test Configuration.....	23
7. List of Measuring Equipment Used	24
Appendix A. Photographs of EUT	A1 ~ A11

History of this test report

Original Report Issue Date: Nov. 04, 2014

- No additional attachment.
- Additional attachments were issued as following record:

[illegible]

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. : ST2-WB3

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 **Oct. 07, 2014** and completely tested on **Oct. 24, 2014** at **SPORTON International Inc. LAB.**



Jack Deng
Engineering 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. : ST2-WB3
Trade Name : RAIDON
USB Cable : D-Shielded, 1.0m
1394B Cable : D-Shielded, 1.8m
Power Supply Type : Switching
AC Power Cord : Non-Shielded, 1.8m, 3 pin
The maximum operating frequency is 5 GHz.

1.4 Feature of Equipment under Test

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. USB3.0, R/W
 - Mode 2. 1394B, 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 test:
 - Mode 1. USB3.0, R/W
 - Mode 2. 1394B, 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**"((1GHz / 5TH of harmonic CPU fundamental) final test
 - Mode 1. 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

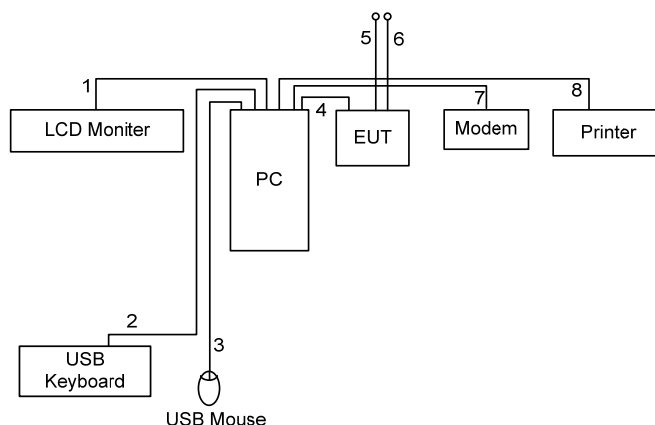
For conducted emission and radiated emission below 1GHz

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) (Inserted into EUT)	Seagate	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	Logitech	M-U0026	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) (Inserted into EUT)	Seagate	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.
- 5-6. The 1394B cables (D-Shielded, 1.8m) are floating from EUT.
7. The RS232 cable is connected from support unit 1 to the support unit 6.
8. 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

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

4.7 Test Distance

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

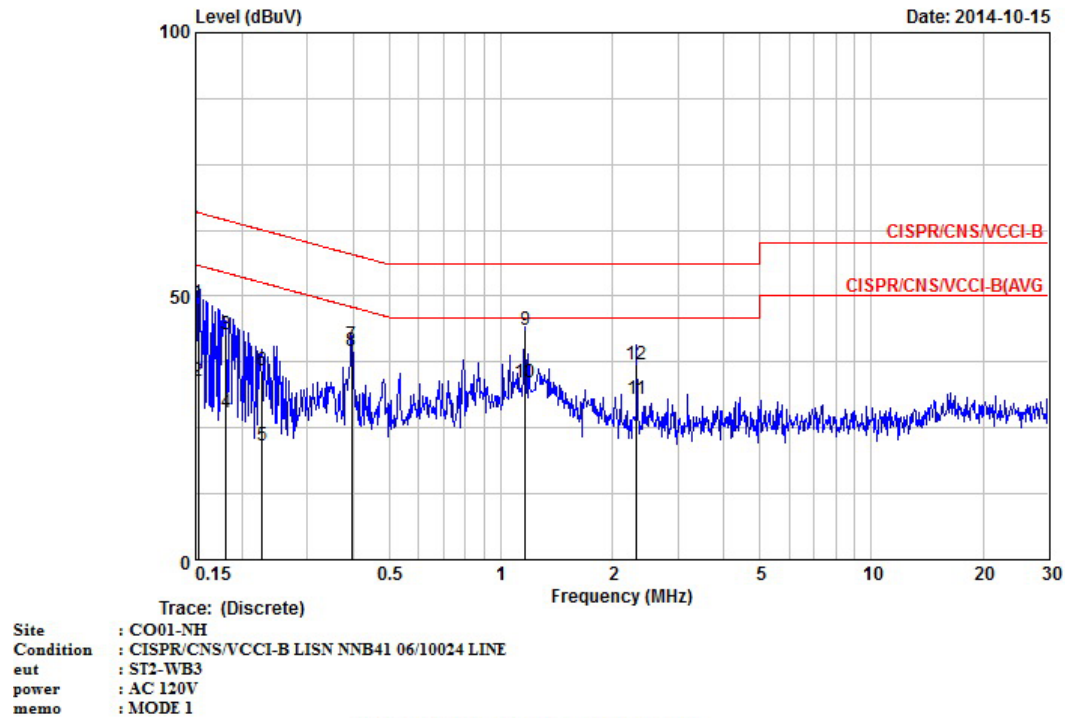
The diagram illustrates a test setup for an EUT on a non-conductive table. The EUT is positioned on the table, with its rear flush with the rear of the table top. The table is 0.8 m high. The EUT is connected to a termination point, which is 0.4 m from a vertical ground reference plane. The EUT is also connected to an AMN (Antenna Measurement Network) unit, which is 0.8 m from the EUT. The AMN unit is bonded to a horizontal ground plane. The termination point is also bonded to a horizontal ground plane. The vertical ground reference plane is 0.4 m from the termination point. The diagram shows the EUT, the non-conductive table, the termination point, the AMN unit, and the ground planes.

5.3 Test Result of AC Powerline Conducted Emission

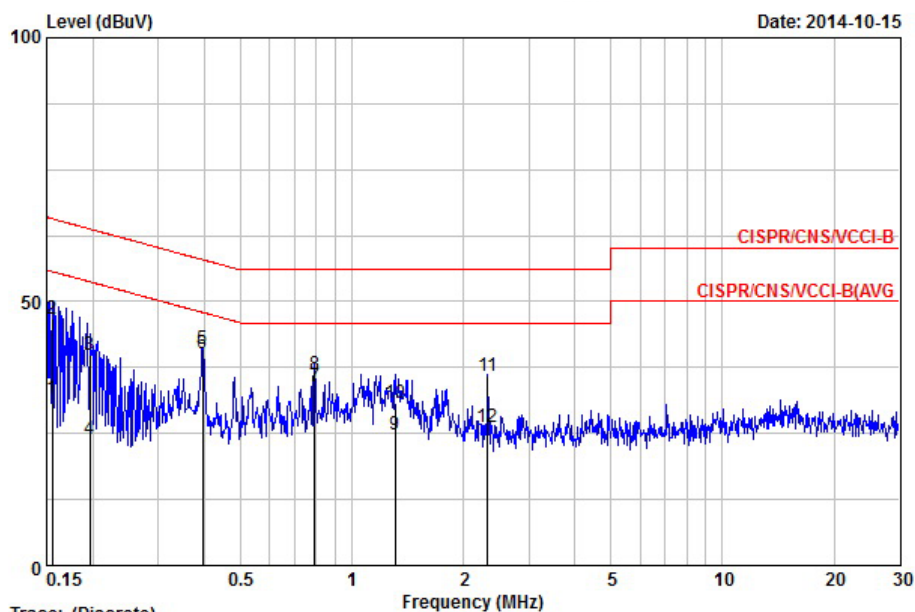
Test Mode	Mode 1	Temperature	24°C
Test Engineer	Willy Lee	Humidity	55%

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	Read	LISN	Cable	
	MHz	dBμV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBμV	dBμV	dB	dB	
1	0.152	48.67	-17.19	65.87	38.00	10.58	0.10	QP
2	0.152	33.86	-22.00	55.87	23.19	10.58	0.10	AVERAGE
3	0.182	42.79	-21.62	64.42	32.13	10.57	0.10	QP
4	0.182	27.97	-26.44	54.42	17.31	10.57	0.10	AVERAGE
5	0.227	21.63	-30.93	52.56	10.98	10.55	0.10	AVERAGE
6	0.227	36.01	-26.55	62.56	25.36	10.55	0.10	QP
7	0.396	40.82	-17.11	57.94	30.23	10.49	0.10	QP
8 @	0.396	39.60	-8.33	47.94	29.01	10.49	0.10	AVERAGE
9	1.162	43.50	-12.50	56.00	32.86	10.52	0.12	QP
10	1.162	33.63	-12.37	46.00	22.99	10.52	0.12	AVERAGE
11	2.321	30.36	-15.64	46.00	19.60	10.56	0.20	AVERAGE
12	2.321	37.08	-18.92	56.00	26.32	10.56	0.20	QP



Trace: (Discrete)
 Site : CO01-NH
 Condition : CISPR/CNS/VCCI-B LISN NNB41 06/10024 NEUTRAL
 eut : ST2-WB3
 power : AC 120V
 memo : MODE 1

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.156	31.53	-24.16	55.69	21.34	10.09	0.10	AVERAGE
2	0.156	46.67	-19.02	65.69	36.48	10.09	0.10	QP
3	0.197	39.82	-23.94	63.76	29.63	10.08	0.10	QP
4	0.197	23.83	-29.93	53.76	13.64	10.08	0.10	AVERAGE
5	0.395	40.91	-7.05	47.96	30.73	10.08	0.10	AVERAGE
6	0.395	40.17	-17.79	57.96	29.99	10.08	0.10	QP
7	0.792	34.02	-11.98	46.00	23.83	10.09	0.10	AVERAGE
8	0.792	36.23	-19.77	56.00	26.04	10.09	0.10	QP
9	1.310	24.84	-21.16	46.00	14.60	10.10	0.14	AVERAGE
10	1.310	30.72	-25.28	56.00	20.48	10.10	0.14	QP
11	2.321	35.98	-20.02	56.00	25.65	10.13	0.20	QP
12	2.321	26.17	-19.83	46.00	15.84	10.13	0.20	AVERAGE

5.4 Photographs of Conducted Power line Test Configuration

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

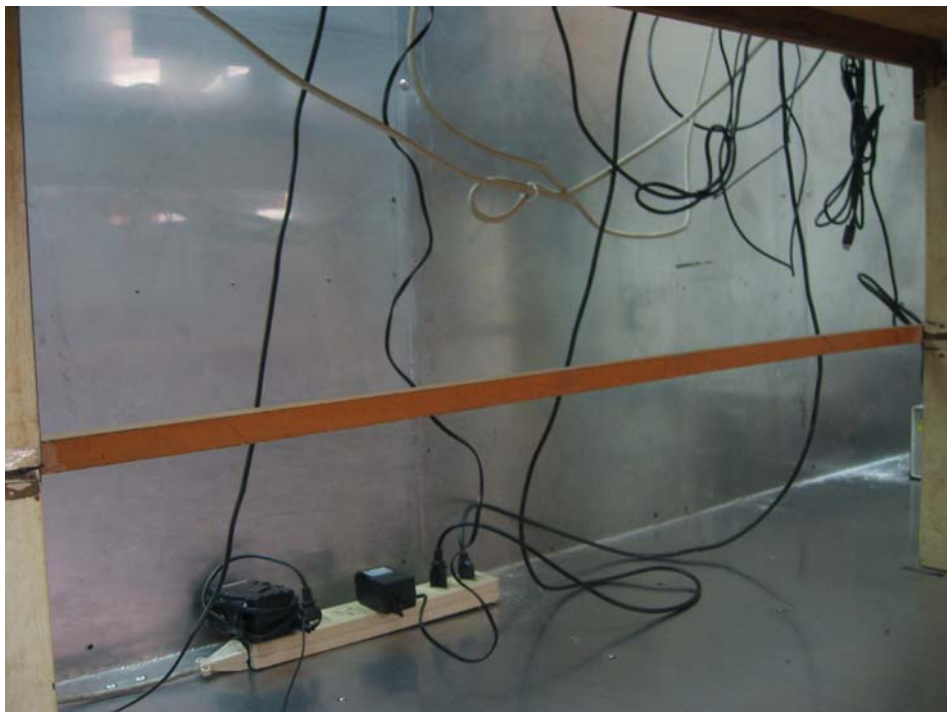
FRONT VIEW



REAR VIEW



SIDE VIEW



6. Test of Radiated Emission

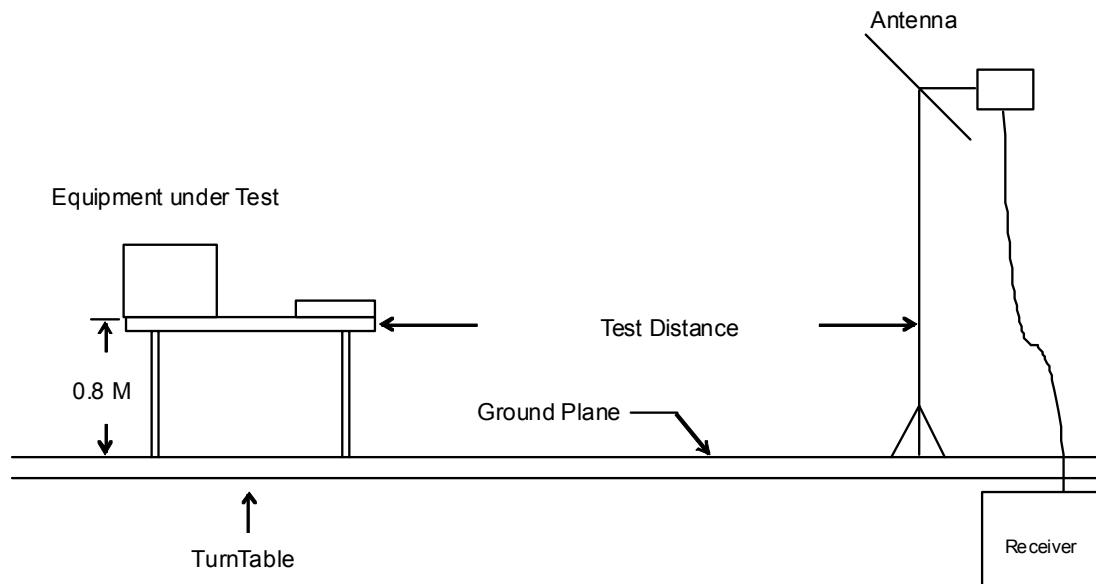
Radiated emissions below 1 GHz were measured with a bandwidth of 120 kHz for 30 MHz to 1,000 MHz and bandwidth of 1 MHz for above 1 GHz to 5th harmonic of highest frequency according to the methods defines in ANSI C63.4, Clause 8. The EUT was placed on a nonmetallic stand, 0.8 meter above the ground 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

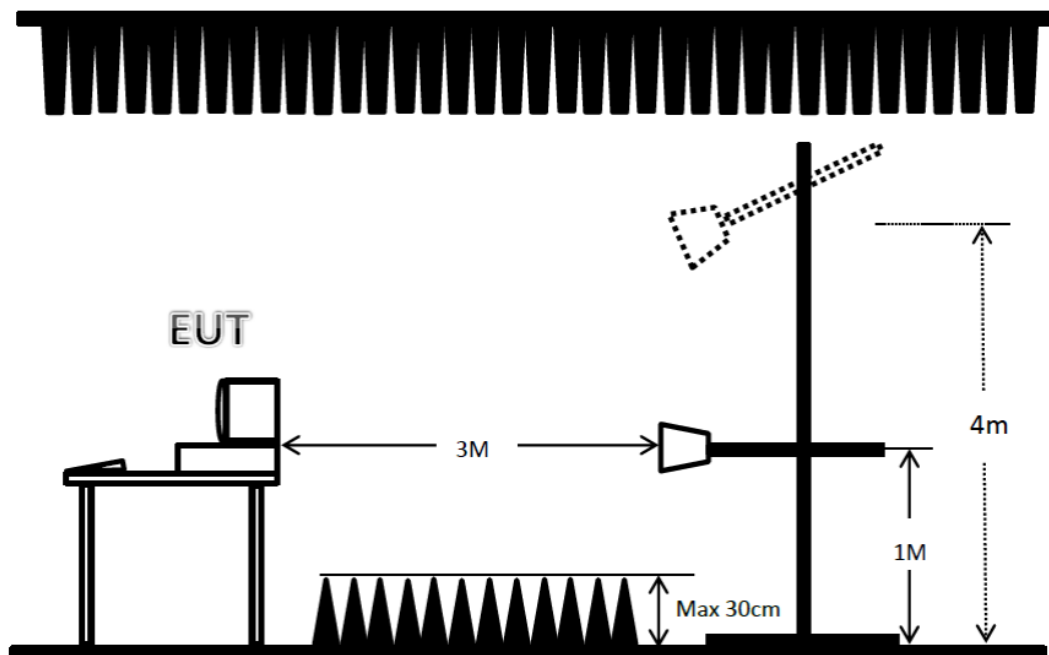
- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 10/3/1 meters from the interference-receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- 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 >



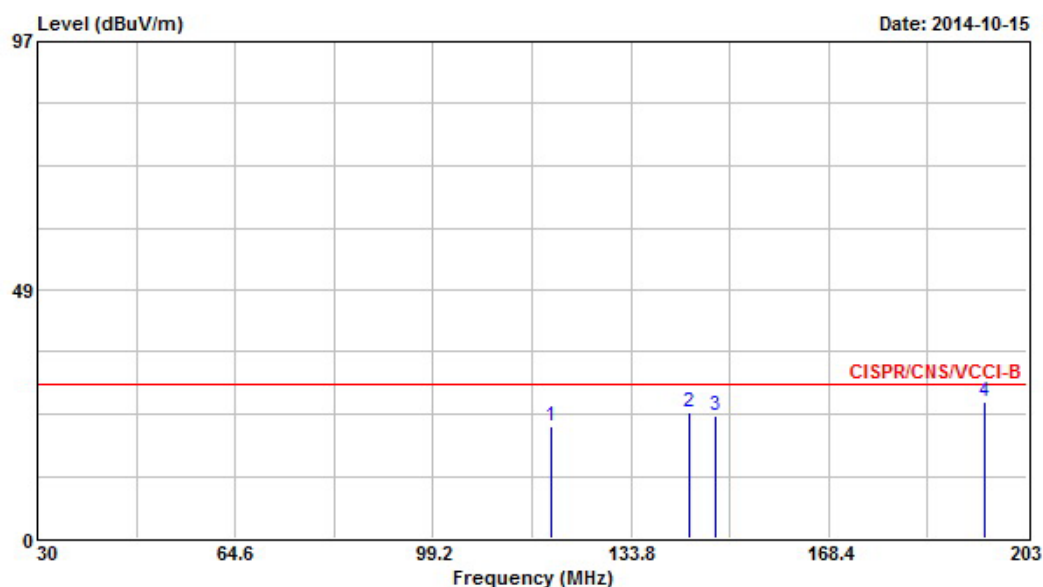
6.3 Test Result of Radiated Emission (Below 1GHz)

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	50%

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

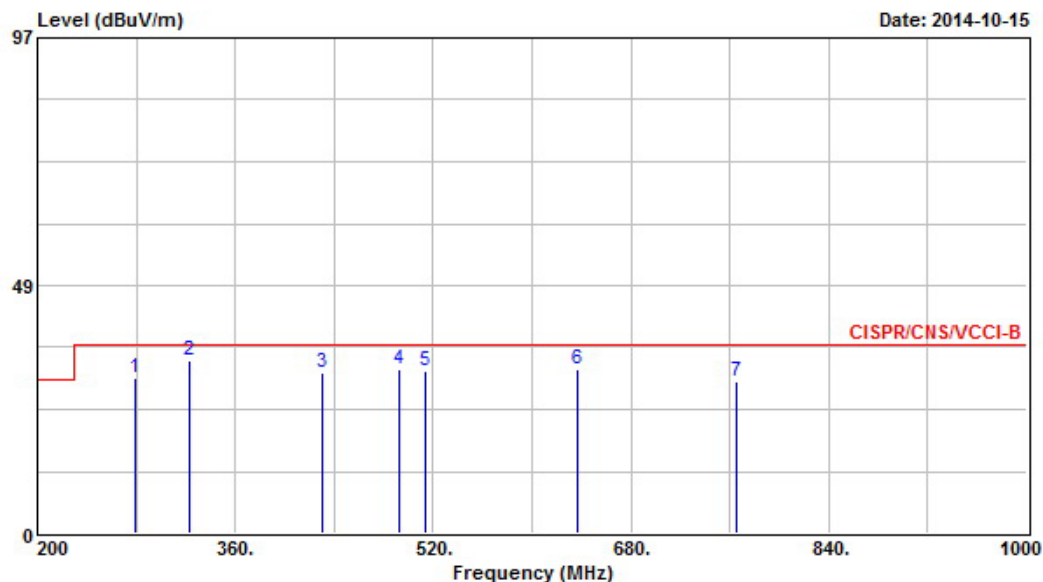
2. Corrected Reading : Antenna Factor + Cable Loss + Read Level – Preamp Factor = Level

■ 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
EUT : ST2-WB3
POWER : 120VAC
MEMO :

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBμV/m	dB	dBμV/m	dBμV	dB/m	dB	dB		cm	deg
1	119.960	21.93	-8.07	30.00	39.87	12.21	1.45	31.60	Peak	---	---
2	144.010	24.51	-5.49	30.00	43.51	10.96	1.59	31.55	Peak	---	---
3	148.510	23.89	-6.11	30.00	43.14	10.70	1.60	31.55	Peak	---	---
4	195.560	26.72	-3.28	30.00	46.89	9.40	1.87	31.44	QP	---	---

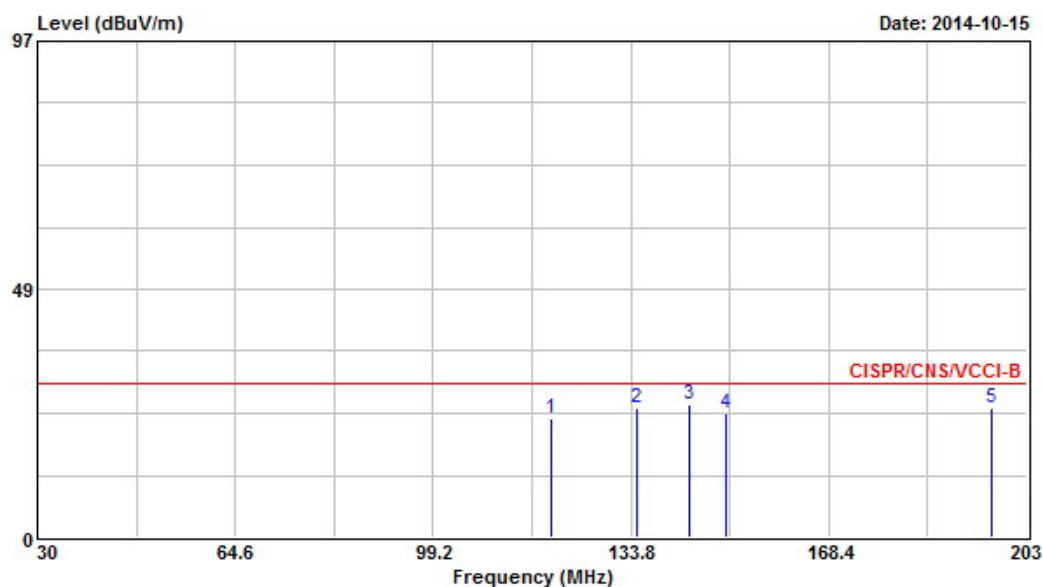


Site : OS02-NH
Condition : CISPR/CNS/VCCI-B 10m OS02-ANT-03-03-2014 VERTICAL

POWER : 120VAC

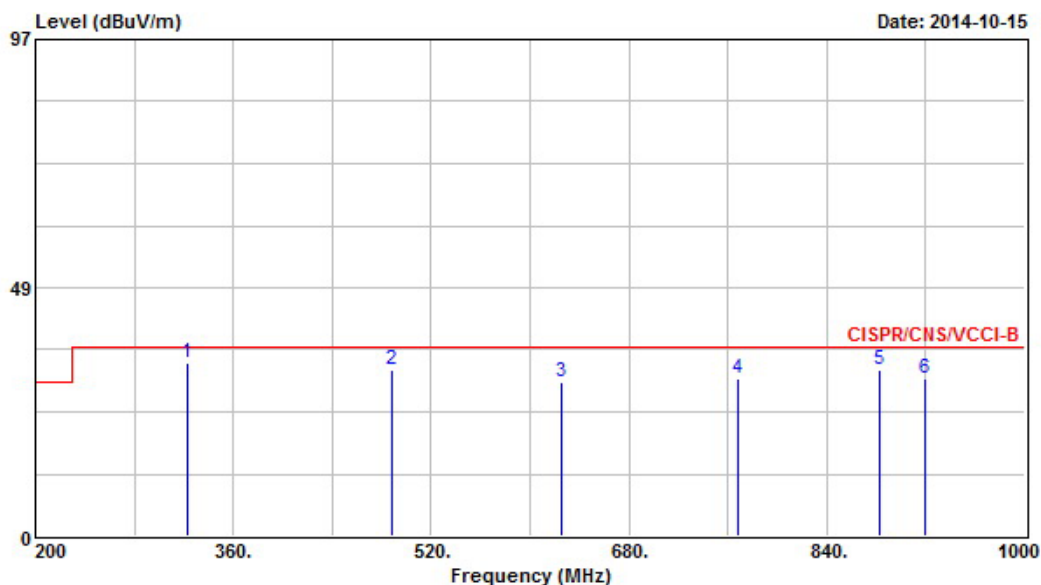
MEMO :

	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	279.200	30.31	-6.69	37.00	46.46	12.90	2.25	31.30	Peak	---	---
2	323.200	33.72	-3.28	37.00	48.69	13.86	2.46	31.29	QP	---	---
3	430.400	31.32	-5.68	37.00	43.44	16.38	2.87	31.37	Peak	---	---
4	492.800	32.21	-4.79	37.00	42.92	17.52	3.11	31.34	Peak	---	---
5	513.600	31.65	-5.35	37.00	41.92	17.85	3.20	31.32	Peak	---	---
6	636.800	32.03	-4.97	37.00	40.44	19.13	3.70	31.24	Peak	---	---
7	765.600	29.72	-7.28	37.00	36.83	20.03	4.07	31.21	Peak	---	---



Site : OS02-NH
 Condition : CISPR/CNS/VCCI-B 10m OS02-ANT-03-03-2014 HORIZONTAL
 EUT : ST2-WB3
 POWER : 120VAC
 MEMO :

	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	23.19	-6.81	30.00	41.13	12.21	1.45	31.60	Peak	---	---
2	134.840	25.33	-4.67	30.00	43.81	11.55	1.54	31.57	Peak	---	---
3	144.010	25.84	-4.16	30.00	44.84	10.96	1.59	31.55	QP	---	---
4	150.410	24.21	-5.79	30.00	43.57	10.57	1.61	31.54	Peak	---	---
5	196.770	25.13	-4.87	30.00	45.29	9.40	1.88	31.44	Peak	---	---



Site : OS02-NH
 Condition : CISPR/CNS/VCCI-B 10m OS02-ANT-03-03-2014 HORIZONTAL
 EUT : ST2-WB3
 POWER : 120VAC
 MEMO :

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	323.200	33.88	-3.12	37.00	48.85	13.86	2.46	31.29	Peak	100 180
2	488.000	32.41	-4.59	37.00	43.23	17.43	3.09	31.34	Peak	---
3	624.800	30.08	-6.92	37.00	38.58	19.10	3.64	31.24	Peak	---
4	768.800	30.66	-6.34	37.00	37.71	20.08	4.08	31.21	Peak	---
5	883.200	32.50	-4.50	37.00	38.00	21.18	4.44	31.12	Peak	---
6	920.000	30.73	-6.27	37.00	35.75	21.54	4.54	31.10	Peak	---

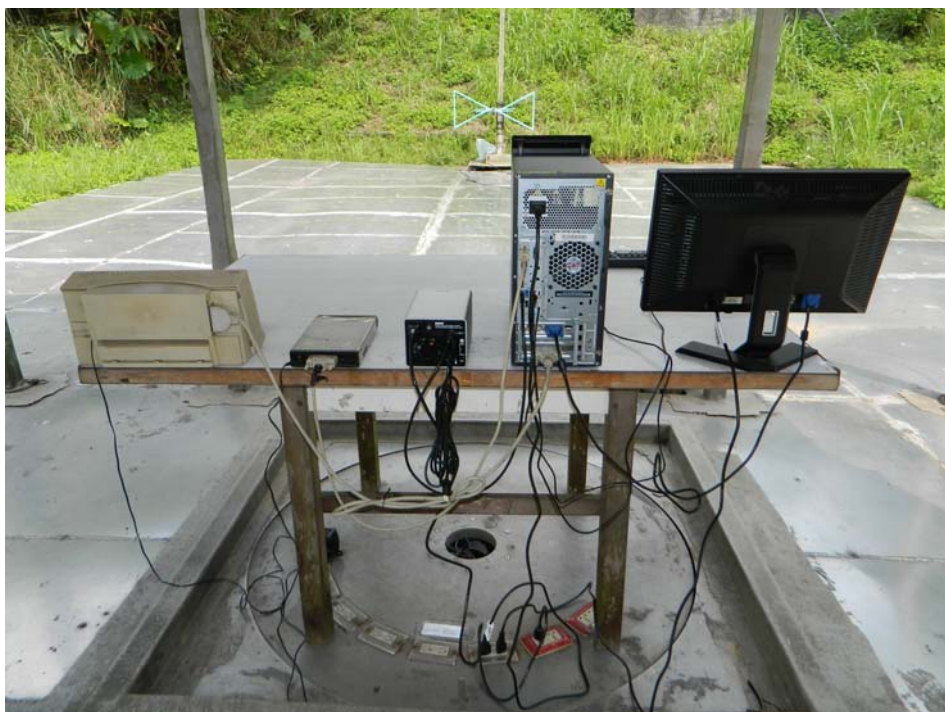
6.4 Photographs of Radiated Emission (Below 1GHz) Test Configuration

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

FRONT VIEW



REAR VIEW



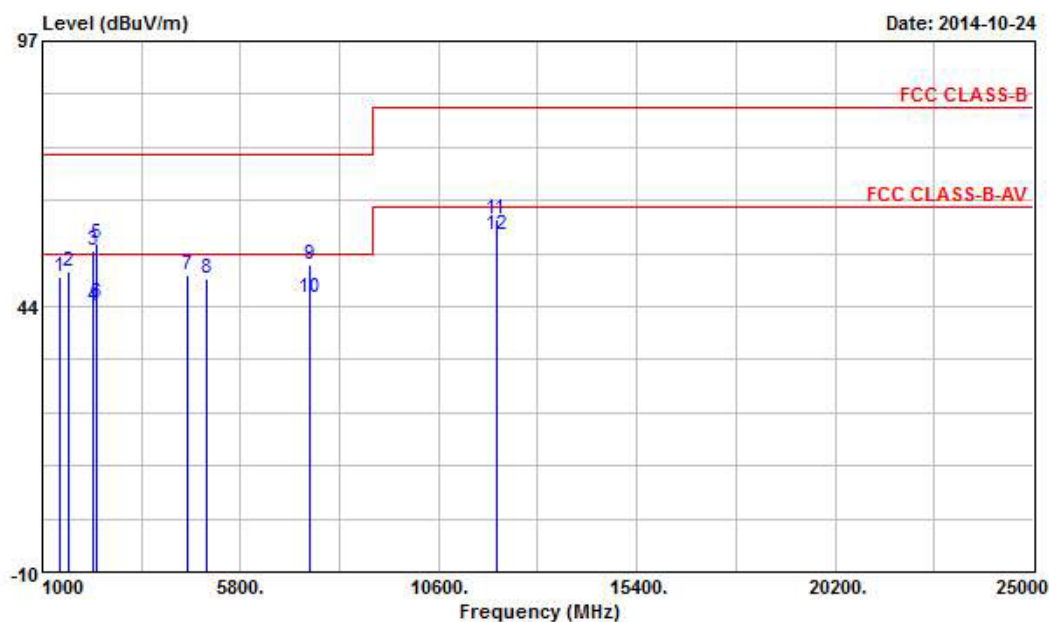
6.5 Test Result of Radiated Emission (Above 1GHz)

Frequency Range of Test	From 1,000 MHz to 25,000 MHz	Test Distance	3m / 1m
Test Mode	Mode 1	Temperature	23°C
Test Engineer	Alan Chen	Humidity	50%

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

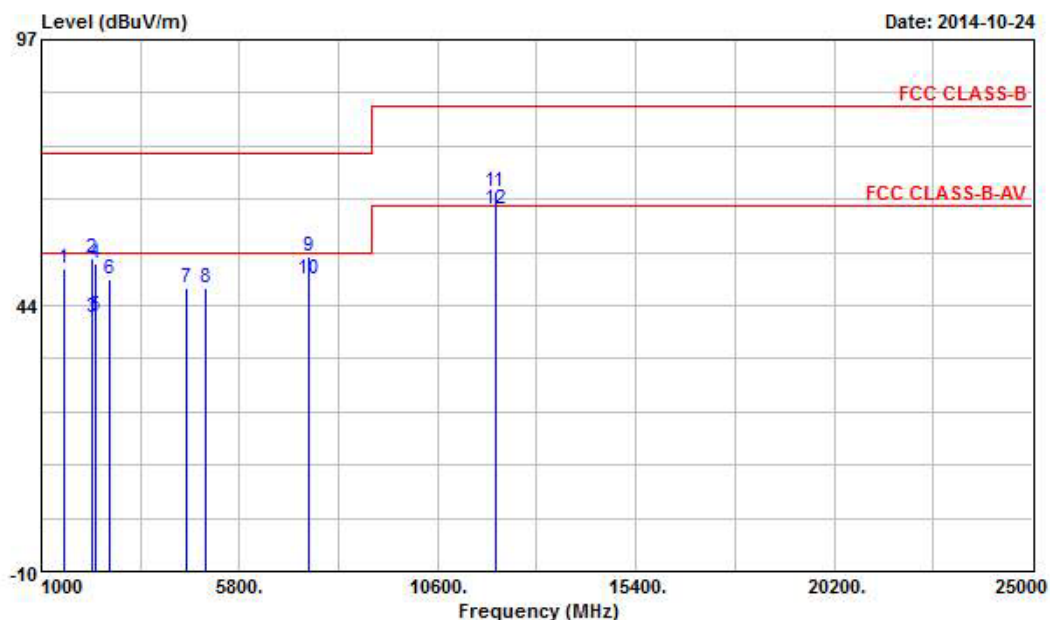
2. Corrected Reading : Antenna Factor + Cable Loss + Read Level – Preamp Factor = Level

■ 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
EUT : SOHO tank
MODEL : ST2-WB3
POWER : 120V/ 60Hz
MEMO : MODE 1

	Freq	Level	Over	Limit	Read	Antenna	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	1444.000	49.61	-24.39	74.00	55.94	25.69	33.87	1.85	---	---	Peak
2	1644.000	50.45	-23.55	74.00	56.24	25.89	33.69	2.01	---	---	Peak
3	2214.000	54.65	-19.35	74.00	59.39	26.60	33.73	2.39	100	219	Peak
4	2214.000	43.48	-10.52	54.00	48.22	26.60	33.73	2.39	100	219	Average
5	2310.000	56.09	-17.91	74.00	60.58	26.84	33.80	2.47	100	191	Peak
6	2310.000	44.27	-9.73	54.00	48.76	26.84	33.80	2.47	100	191	Average
7	4497.000	49.75	-24.25	74.00	49.66	30.70	34.39	3.78	---	---	Peak
8	4998.000	49.12	-24.88	74.00	48.56	31.50	34.40	3.46	---	---	Peak
9	7497.000	52.05	-21.95	74.00	45.63	36.50	34.82	4.74	100	198	Peak
10	7497.000	45.12	-8.88	54.00	38.70	36.50	34.82	4.74	100	198	Average
11	11998.000	61.18	-22.36	83.54	49.40	39.00	33.55	6.33	100	200	Peak
12 @	11998.000	57.88	-5.66	63.54	46.10	39.00	33.55	6.33	100	200	Average



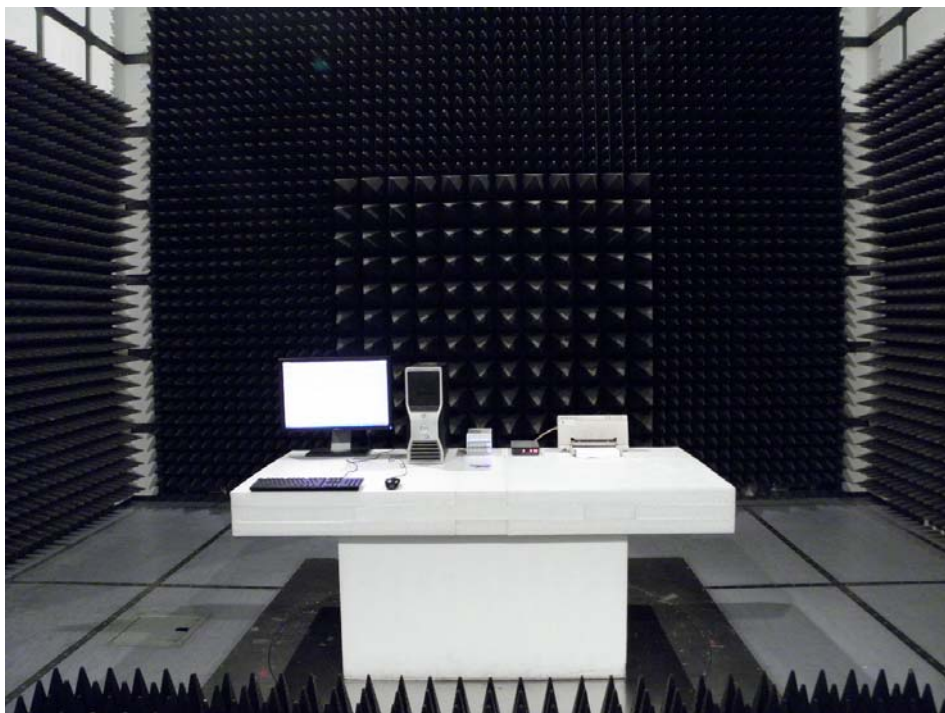
Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-9120D HORIZONTAL
 EUT : SOHO tank
 MODEL : ST2-WB3
 POWER : 120V/ 60Hz
 MEMO : MODE 1

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Preamp	Cable	Ant	Table		
					Level	Factor	Factor	Loss	Pos	Pos Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1540.000	50.88	-23.12	74.00	56.86	25.83	33.74	1.93	---	---	Peak
2	2222.000	52.84	-21.16	74.00	57.54	26.64	33.73	2.39	100	194	Peak
3	2222.000	41.03	-12.97	54.00	45.73	26.64	33.73	2.39	100	194	Average
4	2316.000	51.94	-22.06	74.00	56.45	26.84	33.83	2.47	100	122	Peak
5	2316.000	41.51	-12.49	54.00	46.02	26.84	33.83	2.47	100	122	Average
6	2662.000	48.79	-25.21	74.00	52.53	27.63	34.09	2.72	---	---	Peak
7	4497.000	47.10	-26.90	74.00	47.01	30.70	34.39	3.78	---	---	Peak
8	4998.000	46.92	-27.08	74.00	46.36	31.50	34.40	3.46	---	---	Peak
9	7497.000	53.46	-20.54	74.00	47.04	36.50	34.82	4.74	100	209	Peak
10 @	7497.000	48.79	-5.21	54.00	42.37	36.50	34.82	4.74	100	209	Average
11	11998.000	66.36	-17.18	83.54	54.58	39.00	33.55	6.33	100	167	Peak
12 @	11998.000	62.85	-0.69	63.54	51.07	39.00	33.55	6.33	100	167	Average

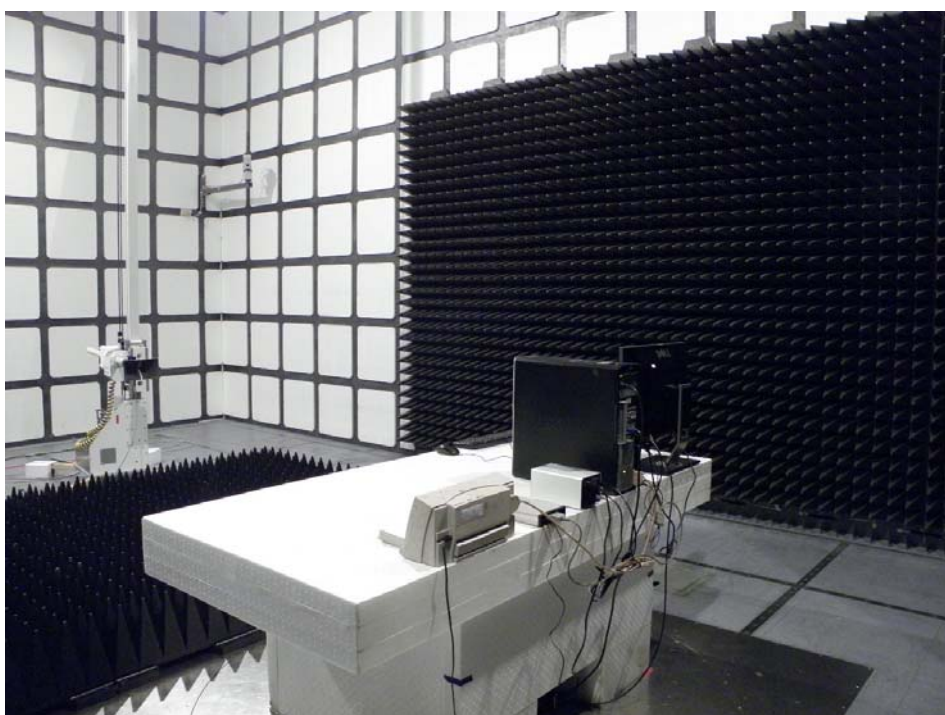
6.6 Photographs of Radiated Emission (Above 1GHz) Test Configuration

- 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)
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)
RF Cable-CON	Suhner Switzerland	RG223/U	CB004	9kHz - 30MHz	Dec. 11, 2013	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)
Receiver	R&S	ESCI	100497	9 kHz - 3 GHz	Apr. 24, 2014	Radiation (OS02-NH)
Amplifier	BURGEON	BPA-530	100203	0.01 MHz - 3 GHz	May 19, 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	R&S	FSP40	100004	9kHz ~ 40GHz	Mar. 27, 2014	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)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170339	15 GHz ~ 40 GHz	Feb. 17, 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



