



SPORTON LAB.

Certificate No: FD441703

CERTIFICATE OF COMPLIANCE

Authorized under Declaration of Conformity
according to

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

● **Equipment : Multi-Bay Hard Disk Enclosure**

Model No. : ST4-SB3

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)

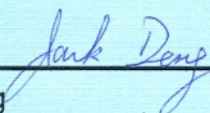


I HEREBY

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**
FCC Part 15 Subpart B in BOTH RADIATED AND CONDUCTED
EMISSIONS **Class B** LIMITS.

The product sample received on Apr. 17, 2014 and completely
tested on **Apr. 30, 2014 AT SPORTON INTERNATIONAL INC. LAB.**



Jack Deng
Engineering Manager





FCC TEST REPORT

Authorized under Declaration of Conformity

according to

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

Equipment : Multi-Bay Hard Disk Enclosure
Model No. : ST4-SB3
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)

Statement

- 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.

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

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History of this test report

Report No.	Version	Issue Date	Description
FD441703	Rev.01	May 08, 2014	Initial issue of report

CERTIFICATE OF COMPLIANCE

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

according to

47 CFR FCC Rules and Regulations Part 15 Subpart B,

Class B Digital Device



Equipment : Multi-Bay Hard Disk Enclosure

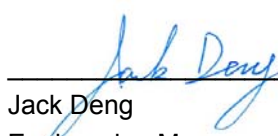
Model No. : ST4-SB3

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** in both radiated and conducted emission **Class B** limits.

The product sample received on Apr. 17, 2014 and completely tested on **Apr. 30, 2014** at **SPORTON International Inc. LAB.**



Jack Deng
Engineering Manager

SPORTON International Inc.

6F, No. 106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei 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	: Multi-Bay Hard Disk Enclosure
Model No.	: ST4-SB3
Trade Name	: STARDOM
e-SATA Cable	: D-Shielded, 1.05 m
USB3.0 Cable	: D-Shielded, 1 m
Power Supply Type	: From Switching Power Supply
AC Power Cord	: Non-Shielded, 1.8 m, 3 pin

1.4. Feature of Equipment under Test

Please refer to user manual.

1.5. Modification of EUT

Please refer to the Photographs of EUT.

2. Test Configuration of Equipment under Test

2.1. Test Manner

- a. During testing, the personal computer and equipment positions were varied according to ANSI C63.4-2009 and configuration operated in a manner which tended to maximize its emission characteristics in a typical application.
- b. The equipment under test were performed the following test modes:

Test Items	Function Type
AC Conducted Emission	Mode 1. ESATA, R/W Mode 2. USB3.0, R/W Cause "mode 2" generated the worst test result; it was reported as final data.
Radiated Emissions < below 1GHz >	Mode 1. ESATA, R/W Mode 2. USB3.0, R/W Cause "mode 2" generated the worst test result; it was reported as final data.
Radiated Emissions < above 1GHz >	Mode 1. USB3.0, R/W

- c. Frequency range investigated: Conduction 150 kHz to 30 MHz, Radiation 30 MHz to 30,000 MHz.

2.2. Description of Test System

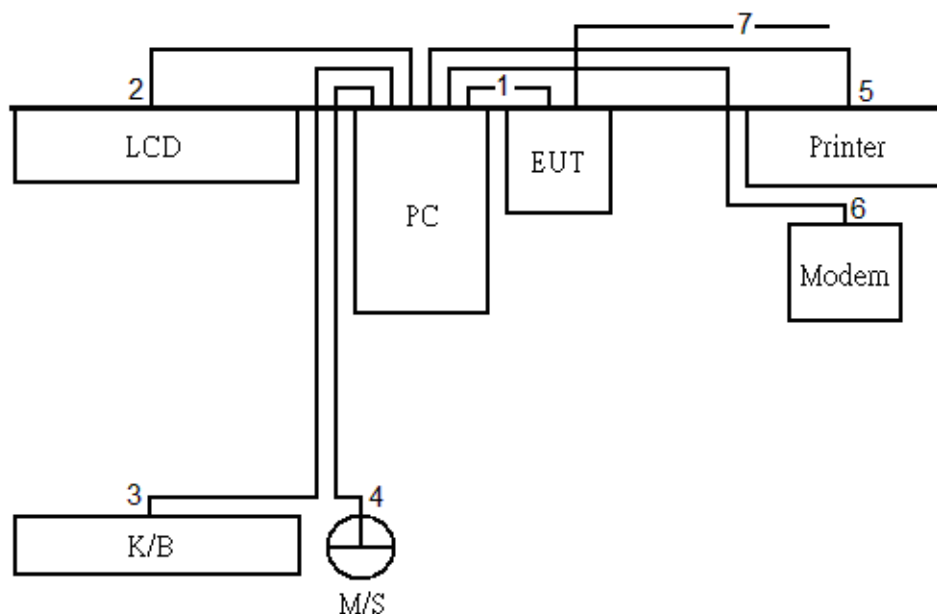
<Conducted and Radiated below 1GHz>

No.	Peripheral	Manufacturer	Model Number	FCC ID	Cable / Spec. Description
For Local					
1	Personal Computer	Lenovo	C61	DoC	-
2	LCD Monitor	DELL	U2410F	DoC	D-SUB Cable, D-Shielded, 1.8m
3	Keyboard	Lenovo	KU-0225	DoC	USB Cable, AL-F-Shielded, 1.8m
4	Mouse	Lenovo	M-U0025-O	DoC	USB Cable, AL-F-Shielded, 1.8m
5	Printer	HP	C2642X(DJ400)	B94C2642X	LPT Cable, D-Shielded, 1.2m
6	Modem	ACEEX	DM1414	IFAXDM1414	RS232 Cable, D-Shielded, 1.15m

<Radiated above 1GHz>

No.	Peripheral	Manufacturer	Model Number	FCC ID	Cable / Spec. Description
For Local					
1	Personal Computer	DELL	DCTA	DoC	-
2	LCD Monitor	DELL	U2410F	DoC	D-SUB Cable, D-Shielded, 1.8m
3	Keyboard	DELL	SK-8175	DoC	USB Cable, AL-F-Shielded, 1.8m
4	Mouse	DELL	MOC5UO	DoC	USB Cable, AL-F-Shielded, 1.8m
5	Printer	HP	C2642X(DJ400)	B94C2642X	LPT Cable, D-Shielded, 1.2m
6	Modem	ACEEX	DM1414	IFAXDM1414	RS232 Cable, D-Shielded, 1.15m

2.3. Connection Diagram of Test System



1. The USB3.0 cable is connected from the EUT to the support unit 1.
2. The I/O cable is connected from the PC to the support unit 2.
3. The I/O cable is connected from the PC to the support unit 3.
4. The I/O cable is connected from the PC to the support unit 4.
5. The I/O cable is connected from the PC to the support unit 5.
6. The I/O cable is connected from the PC to the support unit 6.
7. The eSATA cable is floating.

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

3. Test Software

An executive program, " EMIprogram.exe" under WIN 7, which generate a complete line of continuously repeating "H" pattern were 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" pattern to the monitor, and the monitor displays "H" patterns on the screen.
- d. The PC sends "H" messages to the printer, and then the printer prints them on the paper.
- e. The PC sends signal messages to the modem.
- f. The PC sends signal messages to the internal Hard Disk, and the Hard Disk reads and writes the message.
- g. Repeat the steps from c to f.

At the same time, the following program was executed:

- Executed "Winthrax.exe" to read and write data from EUT.

4. General Information of Test

4.1. Test Facility

Test Site : SPORTON INTERNATIONAL INC.

Test Site Location : No. 3, Lane 238, Kang Lo Street, Nei Hwu District, Taipei 11424, Taiwan,
R.O.C.

TEL : 886-2-2631-4739

FAX : 886-2-2631-9740

Test Site No. : CO01-NH, OS02-NH

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 : 886-3-318-0055

Test Site No. : 03CH04-HY

4.2. Uncertainty of Test Site

Test Items	Test Site No.	Uncertainty	Remark
Conducted Emissions	CO01-NH	± 2.62dB	Confidence levels of 95%
Radiated Emissions below 1GHz	OS02-NH	± 3.04dB	Confidence levels of 95%
Radiated Emissions above 1GHz	03CH04-HY	± 4.78dB	Confidence levels of 95%

4.3. Test Voltage

AC 120V / 60Hz

4.4. Measurement Procedure

ANSI C63.4-2009

4.5. Test in Compliance with

CISPR PUB. 22 and Part 15 Subpart B

15.107 Conducted Emission

15.109 Radiated Emission

4.6. Frequency Range Investigated

a. Conducted emission test: from 150 kHz to 30 MHz

b. Radiated emission test: from 30 MHz to 30,000 MHz

4.7. Test Distance

- a. The test distance of radiated emission test from antenna to EUT is 10 M (from 30MHz~1000MHz).
- b. The test distance of radiated emission test from antenna to EUT is 3 M (from 1GHz~ 9GHz).
- c. The test distance of radiated emission test from antenna to EUT is 1 M (from 9GHz~ 30GHz).

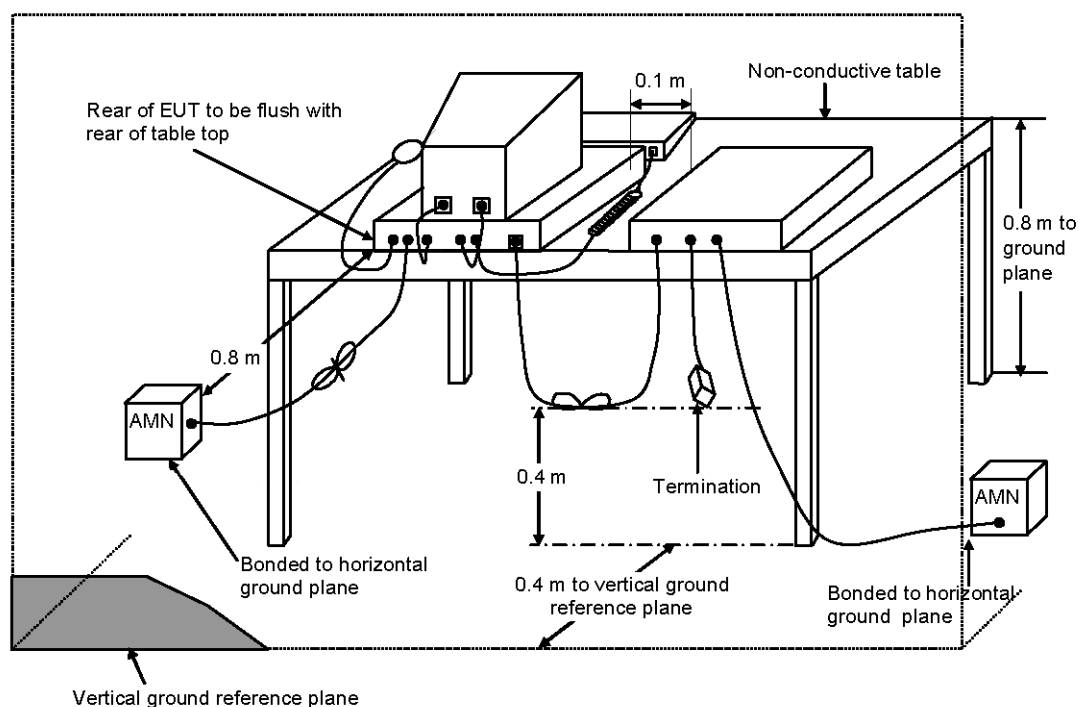
5. Test of Conducted Powerline

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 C63.4-2009 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meter above the ground plane as shown in section 5.2. 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 FCC 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 Powerline

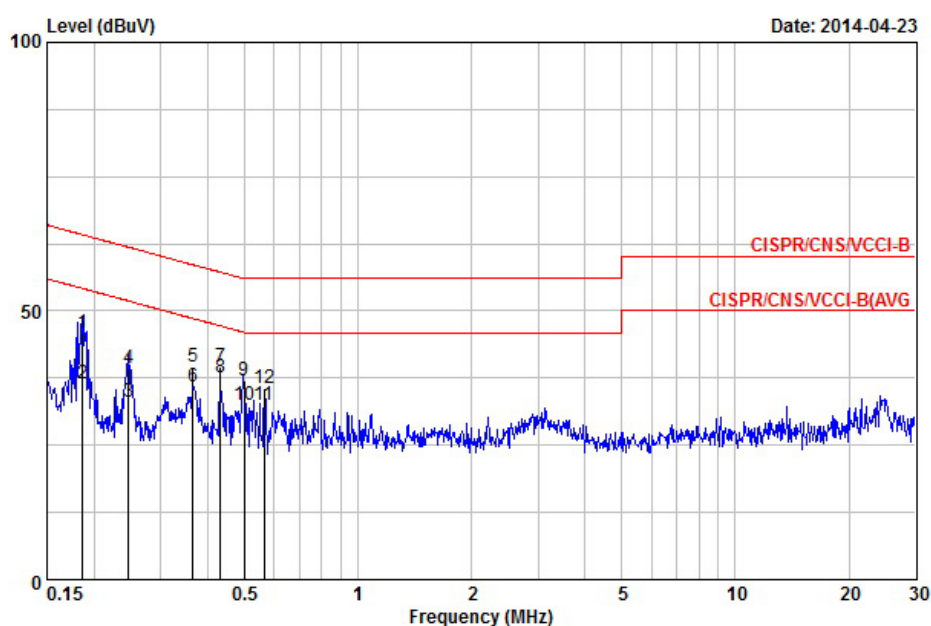


- AMN is 80 cm from the EUT and at least 80 cm from other units and other metal planes.
- EUT is connected to one artificial mains network (AMN).
- All other units of a system are powered from a second AMN. A multiple outlet strip can be used for multiple mains cords.
- Rear of EUT to be flushed with rear of table top.
- Peripherals shall be placed at a distance of 10 cm from each other and from the controller, except for the monitor which, if this is an acceptable installation practice, shall be placed directly on the top of the controller.
- If cables, which hang closer than 40 cm to the horizontal metal ground plane, cannot be shortened to appropriate length, the excess shall be folded back and forth forming a bundle 30 cm to 40 cm long.
- Mains cords and signal cables shall be positioned for their entire lengths, as far as possible, at 40 cm from the vertical reference plane.
- Cables of hand operated devices, such as keyboards, mice, etc. shall be placed as for normal usage.

5.3. Test Result of AC Powerline Conducted Emission

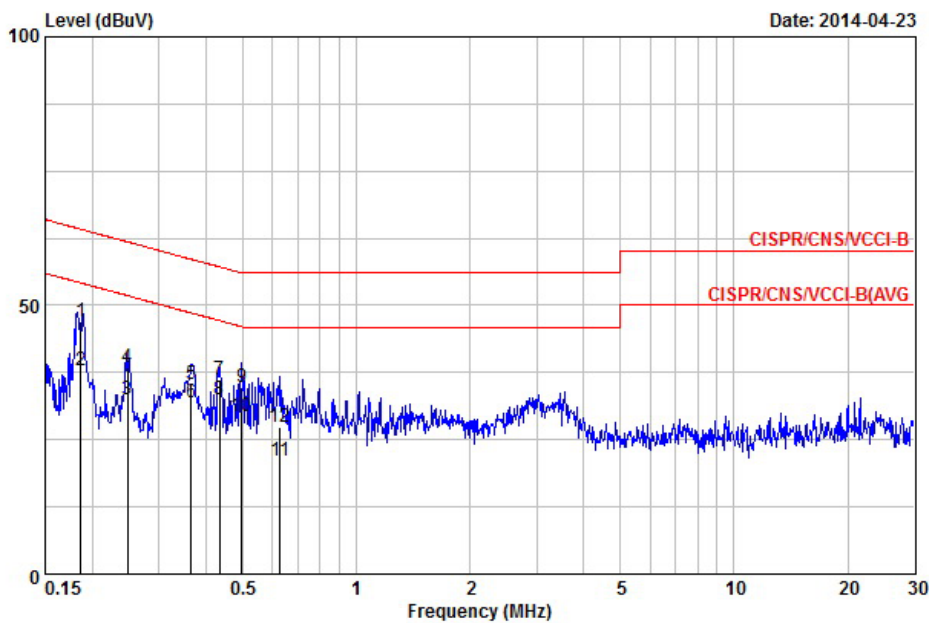
Test Mode	Mode 2	Test Site No.	CO01-NH
Test Frequency	0.15 MHz ~ 30 MHz	Test Engineer	Willy
Temperature	25 °C	Relative Humidity	50 %
Note: 1. Corrected Reading (dBμV) = LISN Factor + Cable Loss + Read Level = Level			
2. All emissions not reported here are more than 10 dB below the prescribed limit.			
■ The test was passed at the minimum margin that marked by the frame in the following data			

Line



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.186	45.96	-18.23	64.20	35.30	10.56	0.10	QP
2	0.186	36.59	-17.60	54.20	25.93	10.56	0.10	AVERAGE
3	0.247	32.99	-18.88	51.86	22.32	10.54	0.13	AVERAGE
4	0.247	39.34	-22.53	61.86	28.67	10.54	0.13	QP
5	0.365	39.48	-19.13	58.61	28.80	10.50	0.19	QP
6	0.365	35.93	-12.68	48.61	25.25	10.50	0.19	AVERAGE
7	0.433	39.62	-17.58	57.20	28.93	10.49	0.20	QP
8	0.433	37.68	-9.52	47.20	26.99	10.49	0.20	AVERAGE
9	0.499	37.02	-18.99	56.01	26.32	10.49	0.20	QP
10	0.499	32.45	-13.56	46.01	21.75	10.49	0.20	AVERAGE
11	0.565	32.55	-13.45	46.00	21.85	10.50	0.20	AVERAGE
12	0.565	35.70	-20.30	56.00	25.00	10.50	0.20	QP

Neutral



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.186	47.04	-17.16	64.20	36.86	10.08	0.10	QP
2	0.186	37.98	-16.22	54.20	27.80	10.08	0.10	AVERAGE
3	0.248	32.36	-19.46	51.82	22.15	10.08	0.13	AVERAGE
4	0.248	38.56	-23.26	61.82	28.35	10.08	0.13	QP
5	0.365	35.44	-23.16	58.61	25.18	10.08	0.19	QP
6	0.365	31.85	-16.75	48.61	21.59	10.08	0.19	AVERAGE
7	0.434	36.08	-21.10	57.18	25.80	10.08	0.20	QP
8	0.434	32.62	-14.56	47.18	22.34	10.08	0.20	AVERAGE
9	0.498	34.72	-21.32	56.03	24.43	10.08	0.20	QP
10	0.498	29.21	-16.83	46.03	18.92	10.08	0.20	AVERAGE
11	0.627	21.02	-24.98	46.00	10.74	10.08	0.20	AVERAGE
12	0.627	27.27	-28.73	56.00	16.99	10.08	0.20	QP

6. Test of Radiated Emission

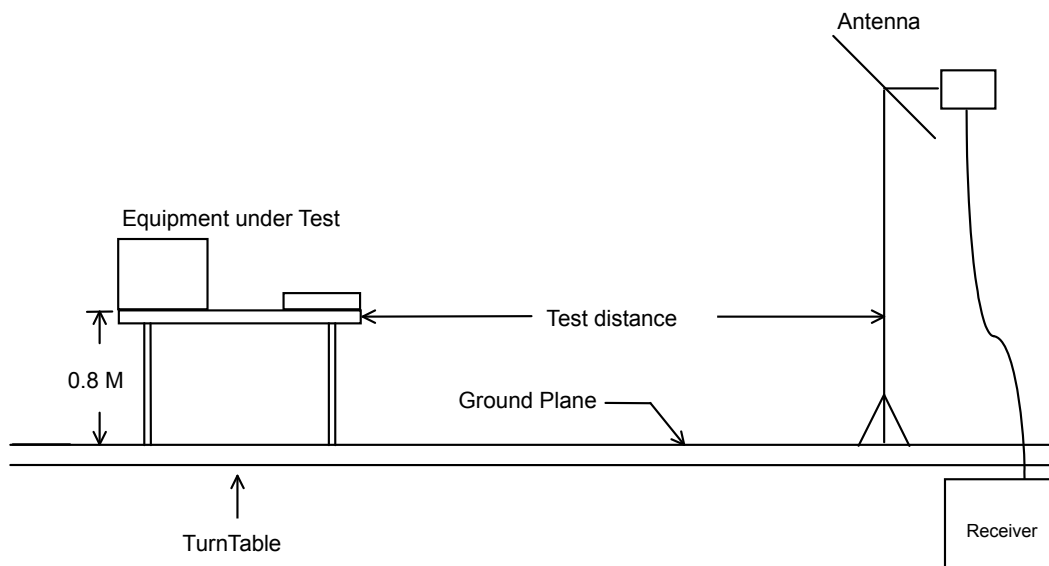
Radiated emissions from 30 MHz to 30,000 MHz were measured with a bandwidth of 120 kHz for 30 MHz to 1000 MHz and 1 MHz for above 1GHz according to the methods defines in ANSI C63.4-2009. The EUT was placed on a nonmetallic stand, 0.8 meter above the ground plane, as shown in section 6.2. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions.

6.1. Test Procedures

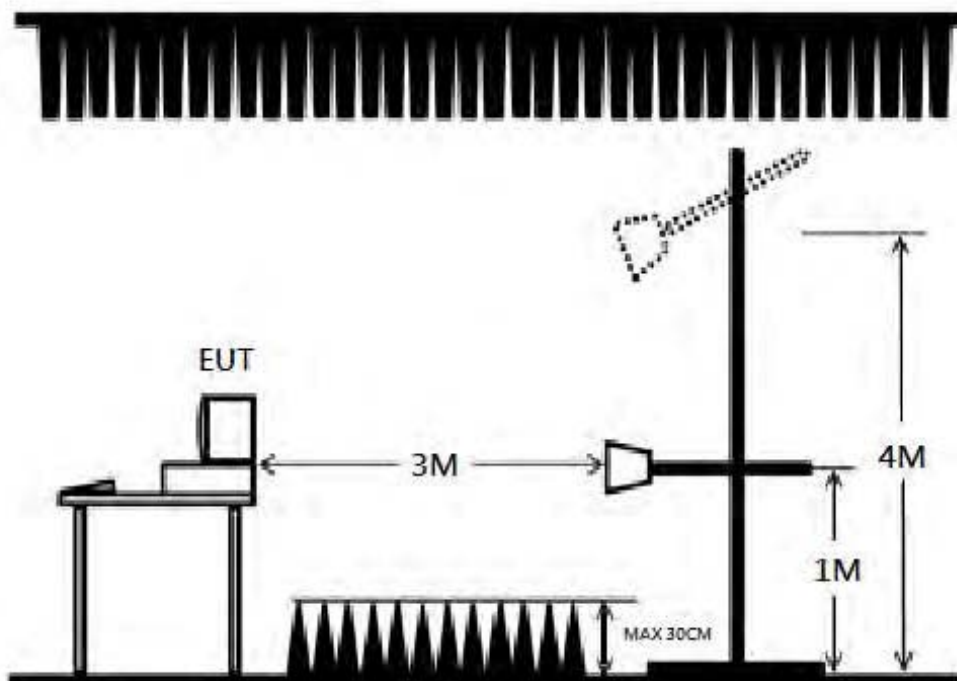
- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3/1m(above 1GHz)/10m(below 1GHz) from the interference-receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. The antenna is a half wave dipole 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. The FCC Part 15.109 (g) permit parties seeking to authorize a digital device to choose to demonstrate that the device complies with either the Part 15 standards or the international standards found in Publication 22 of the International Special Committee on Radio Interference (CISPR).
- i. 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

For Below 1GHz



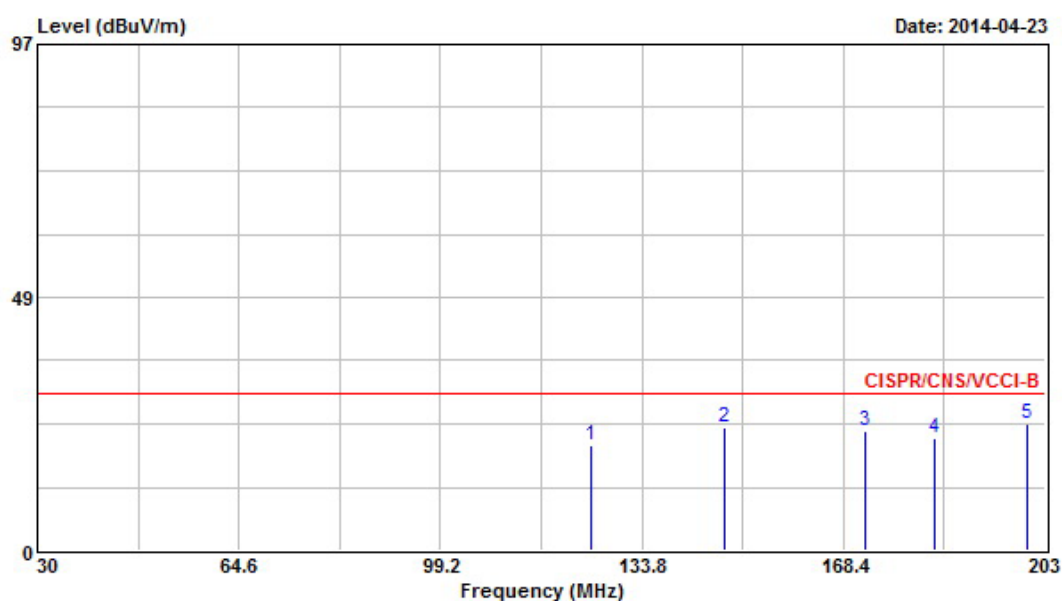
For above 1GHz



6.3. Test Result of Radiated Emission for Below 1GHz

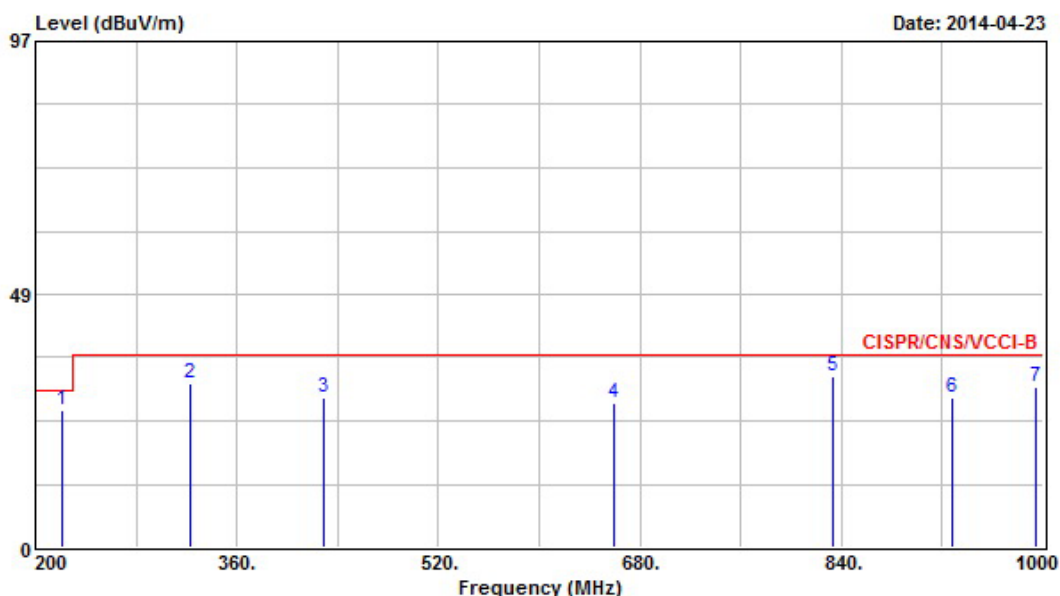
Test mode	Mode 2	Test Site No.	OS02-NH
Test frequency	30 MHz ~ 1000 MHz	Test Engineer	Chas
Temperature	28 °C	Relative Humidity	54 %
Note: 1. Emission level (dBμV/m) = 20 log Emission level (μV/m)			
2. Corrected Reading : Antenna Factor + Cable Loss + Read Level – Preamp Factor = Level			
■ The test was passed at the minimum margin that marked by the frame in the following data			

Vertical



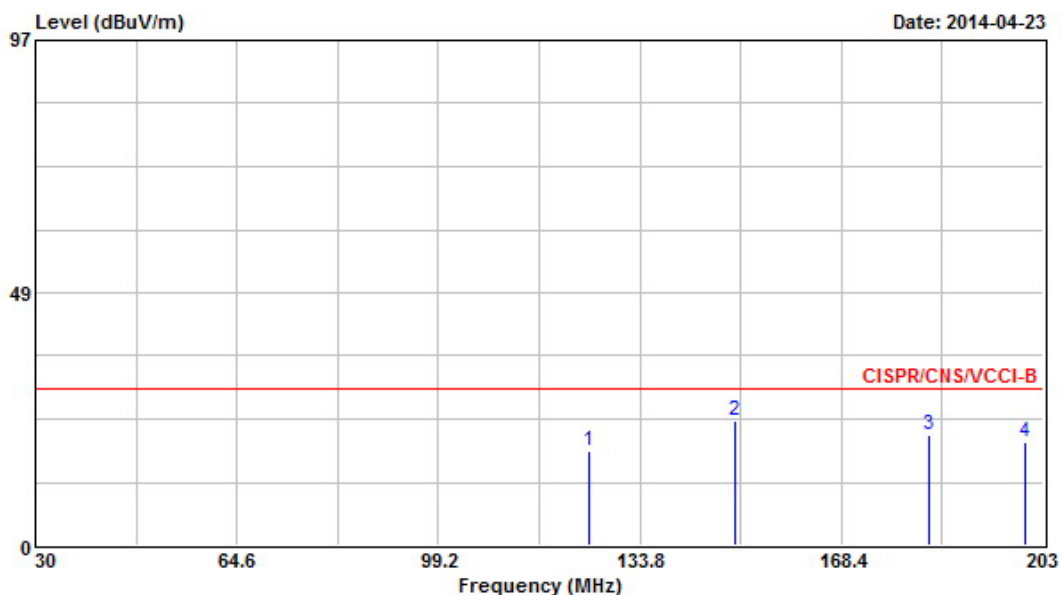
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	124.980	20.15	-9.85	30.00	38.19	12.08	1.42	31.54	Peak	---	---
2	147.990	23.55	-6.45	30.00	42.79	10.70	1.54	31.48	Peak	---	---
3	172.030	22.72	-7.28	30.00	42.74	9.73	1.67	31.42	Peak	---	---
4	183.970	21.47	-8.53	30.00	41.83	9.32	1.71	31.39	Peak	---	---
5	200.060	24.33	-5.67	30.00	44.46	9.42	1.79	31.34	Peak	---	---

Vertical



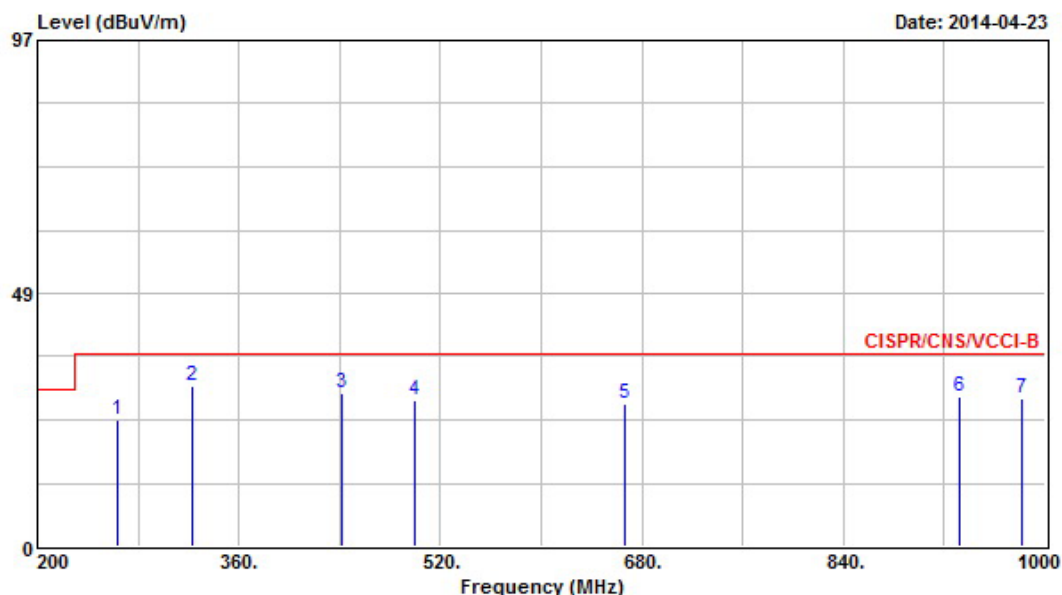
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	220.800	26.18	-3.82	30.00	44.93	10.66	1.91	31.32	Peak	100	180
2	323.200	31.33	-5.67	37.00	46.43	13.86	2.31	31.27	Peak	---	---
3	428.800	28.73	-8.27	37.00	40.99	16.34	2.73	31.33	Peak	---	---
4	660.000	27.55	-9.45	37.00	36.17	19.18	3.48	31.28	Peak	---	---
5	832.800	32.66	-4.34	37.00	39.18	20.73	3.88	31.13	Peak	---	---
6	928.000	28.77	-8.23	37.00	33.99	21.63	4.15	31.00	Peak	---	---
7	994.400	30.84	-6.16	37.00	35.04	22.32	4.39	30.91	Peak	---	---

Horizontal



	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	124.980	17.95	-12.05	30.00	35.99	12.08	1.42	31.54	Peak	---	---
2	150.060	24.02	-5.98	30.00	43.38	10.57	1.55	31.48	Peak	---	---
3	183.450	21.30	-8.70	30.00	41.66	9.32	1.71	31.39	Peak	---	---
4	200.060	19.79	-10.21	30.00	39.92	9.42	1.79	31.34	Peak	---	---

Horizontal



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	263.200	24.20	-12.80	37.00	40.81	12.59	2.08	31.28	Peak	---
2	323.200	30.68	-6.32	37.00	45.78	13.86	2.31	31.27	Peak	---
3	441.600	29.49	-7.51	37.00	41.48	16.57	2.77	31.33	Peak	---
4	499.200	27.98	-9.02	37.00	38.71	17.64	2.95	31.32	Peak	---
5	666.400	27.23	-9.77	37.00	35.81	19.20	3.50	31.28	Peak	---
6	932.000	28.65	-8.35	37.00	33.81	21.67	4.16	30.99	Peak	---
7	981.600	28.31	-8.69	37.00	32.71	22.19	4.34	30.93	Peak	---

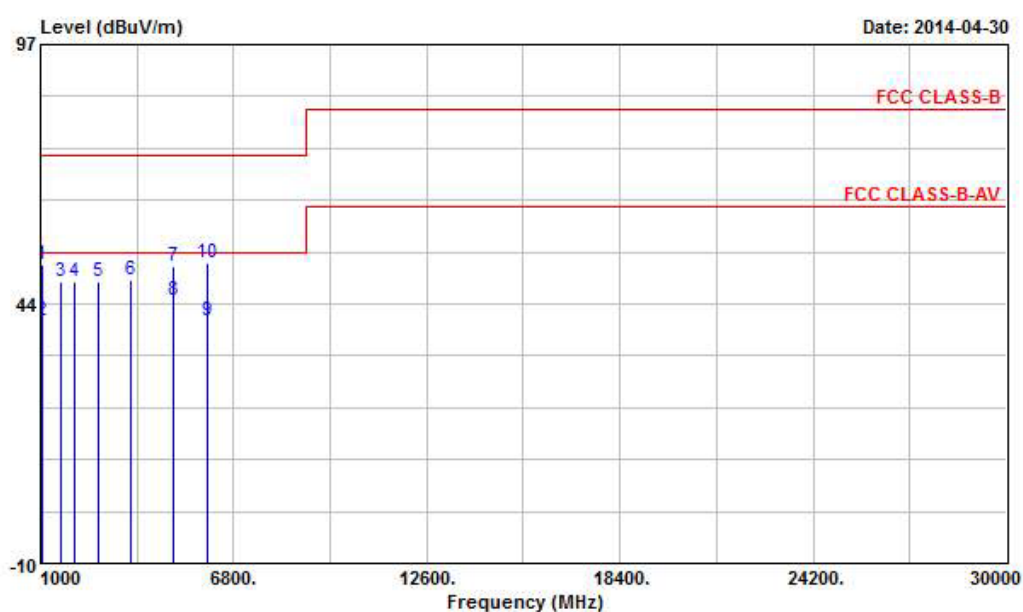
6.4. Test Result of Radiated Emission for Above 1GHz

Test mode	Mode 1	Test Site No.	03CH04-HY
Test frequency	1 GHz ~ 30 GHz	Test Engineer	Alan
Temperature	26 °C	Relative Humidity	52 %

Note: 1. Emission level (dBμV/m) = 20 log Emission level (μV/m)
2. Corrected Reading : Antenna Factor + Cable Loss + Read Level – Preamp Factor = Level

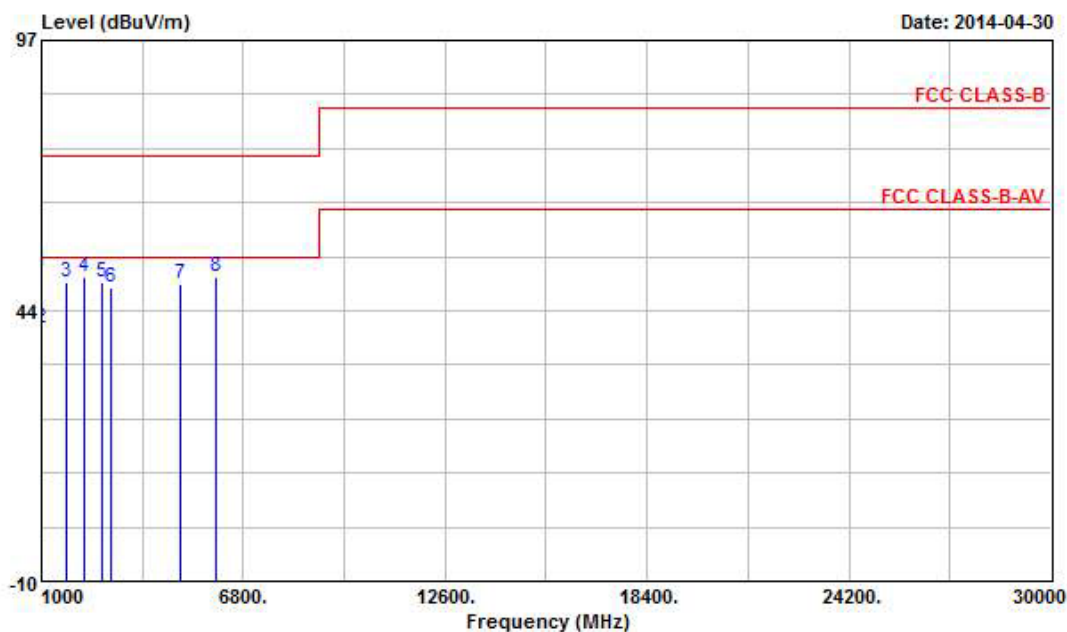
■ The test was passed at the minimum margin that marked by the frame in the following data

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1038.000	51.71	-22.29	74.00	60.92	24.78	34.48	0.50	100	176	Peak
2	1038.000	39.86	-14.14	54.00	49.07	24.78	34.48	0.50	100	176	Average
3	1596.000	48.12	-25.88	74.00	55.25	25.86	33.71	0.72	---	---	Peak
4	1998.000	48.00	-26.00	74.00	54.52	26.10	33.52	0.90	---	---	Peak
5	2724.000	48.07	-25.93	74.00	53.32	27.73	34.14	1.16	---	---	Peak
6	3729.000	48.34	-25.66	74.00	52.11	29.09	34.33	1.47	---	---	Peak
7	4989.000	51.16	-22.84	74.00	52.39	31.50	34.40	1.67	100	195	Peak
8 @	4989.000	44.06	-9.94	54.00	45.29	31.50	34.40	1.67	100	195	Average
9 @	5994.000	40.12	-13.88	54.00	40.49	32.40	34.47	1.70	100	160	Average
10	5994.000	51.78	-22.22	74.00	52.15	32.40	34.47	1.70	100	160	Peak

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Preamp Factor	Cable Loss	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	1004.000	51.36	-22.64	74.00	60.70	24.70	34.52	0.48	190	Peak
2 @	1004.000	39.89	-14.11	54.00	49.23	24.70	34.52	0.48	190	Average
3	1740.000	49.13	-24.87	74.00	56.03	25.95	33.64	0.79	---	Peak
4	2206.000	50.25	-23.75	74.00	56.40	26.60	33.71	0.96	---	Peak
5	2718.000	49.10	-24.90	74.00	54.33	27.73	34.12	1.16	---	Peak
6	3000.000	47.92	-26.08	74.00	52.63	28.30	34.31	1.30	---	Peak
7	4998.000	48.64	-25.36	74.00	49.88	31.50	34.40	1.66	---	Peak
8	5997.000	50.15	-23.85	74.00	50.52	32.40	34.47	1.70	---	Peak

7. Photographs of Test Configuration

7.1. Photographs of AC Powerline Conducted Emissions Test Configuration

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

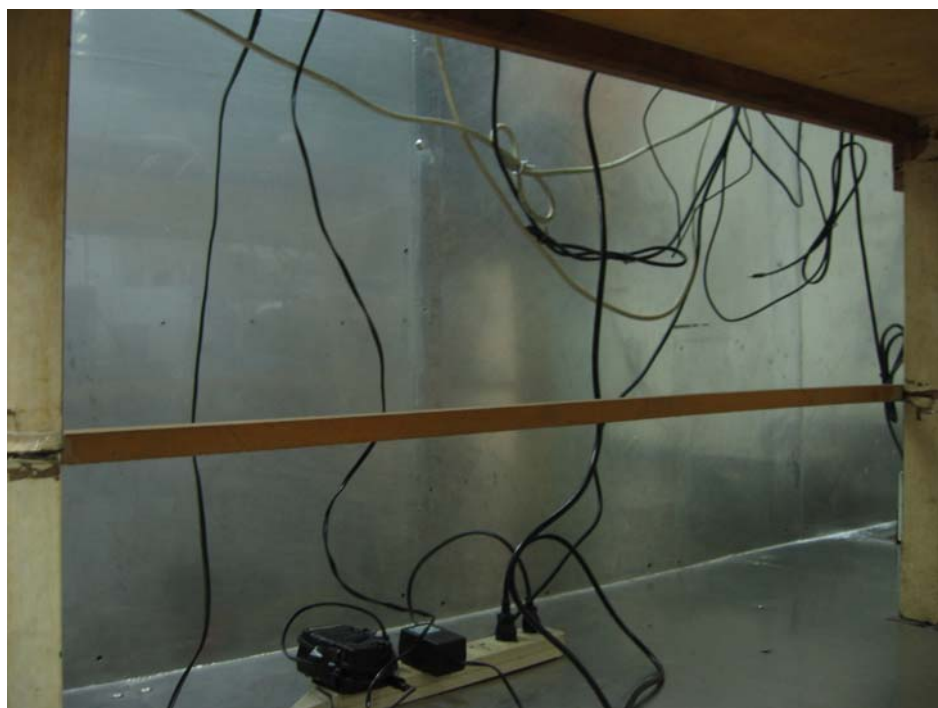
FRONT VIEW



REAR VIEW



SIDE VIEW



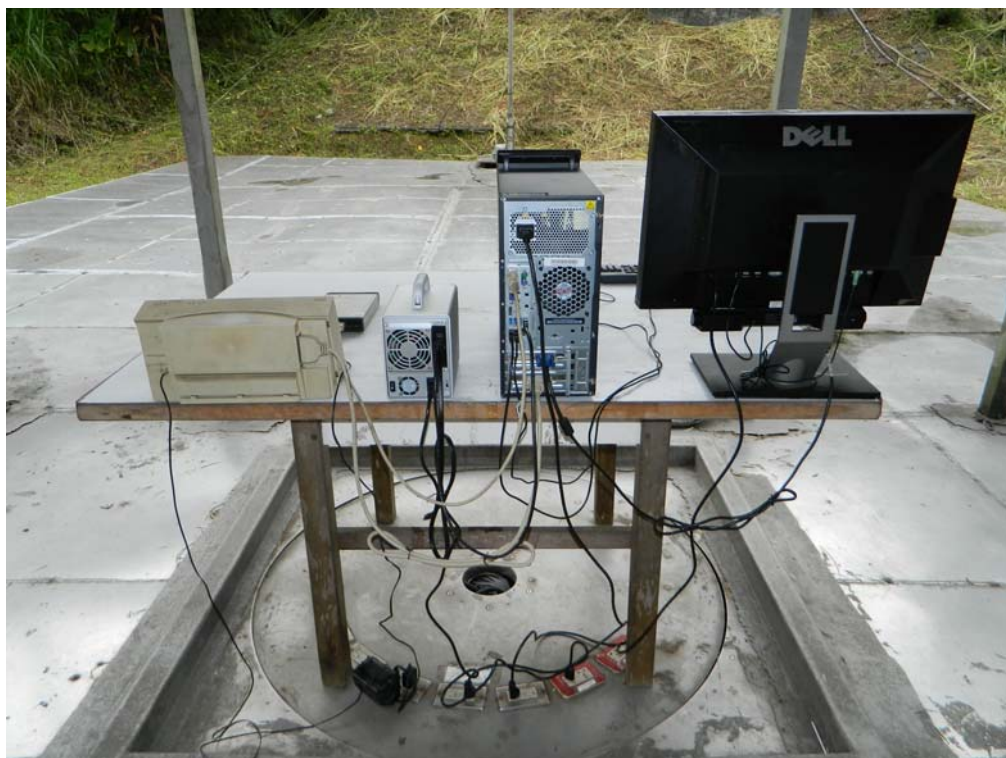
7.2. Photographs of Radiated Emissions Test Configuration

- The photographs show the configuration that generates the maximum emission.
For Below 1GHz

FRONT VIEW

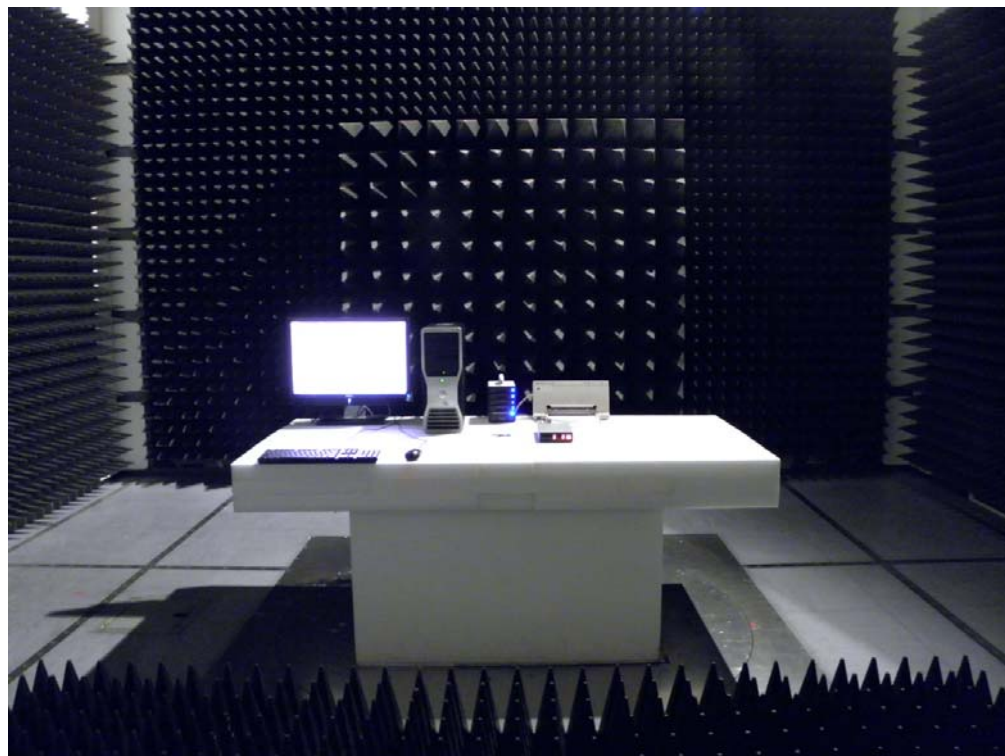


REAR VIEW

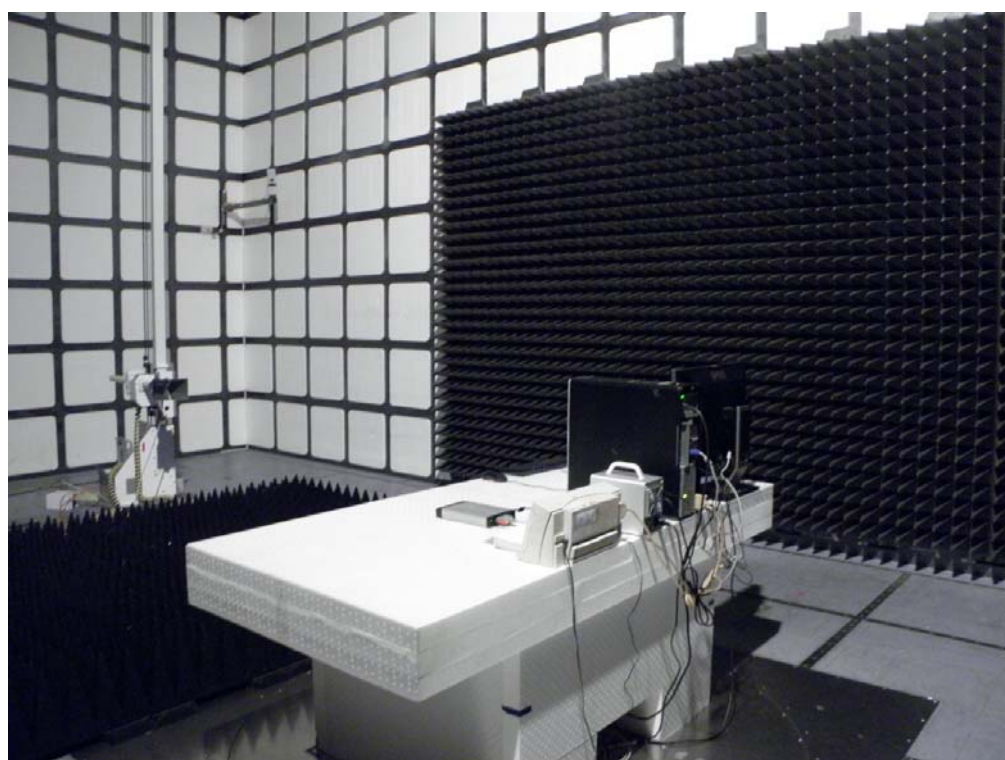


- The photographs show the configuration that generates the maximum emission.
For Above 1GHz

FRONT VIEW



REAR VIEW



8. 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	NCR	Conduction (CO01-NH)
Power Filter	CORCOM	MR12030	N/A	30A*2	NCR	Conduction (CO01-NH)
RF Cable-CON	Suhner Switzerland	RG223/U	CB004	9kHz - 30MHz	Dec. 11, 2013	Conduction (CO01-NH)

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

NCR: NO CALIBRATION REQUEST.

Radiation 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	Jun. 04, 2013	Radiation (OS02-NH)
Spectrum Analyzer	R&S	FSL-V	100323	9 kHz - 6.0 GHz	Oct. 17, 2013	Radiation (OS02-NH)
Receiver	R&S	ESCS 30	838251/002	9 kHz - 2.75 GHz	Oct. 23, 2013	Radiation (OS02-NH)
Bilog Antenna	CHASE	CBL6122B	2884	30 MHz - 2 GHz	Feb. 28, 2014	Radiation (OS02-NH)
Turn Table	EMCO	2080	9508-1805	0 - 360 degree	NCR	Radiation (OS02-NH)
Antenna Mast	ETS	2075-2	2385	1 m - 4 m	NCR	Radiation (OS02-NH)
RF Cable-R10m	MIYAZAKI	5DFB	CB044	30 MHz - 1 GHz	Aug. 30, 2013	Radiation (OS02-NH)

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

NCR: NO CALIBRATION REQUEST.

Radiation 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	1 GHz ~ 26.5 GHz	May 17, 2013	Radiation (03CH04-HY)
Amplifier	EM	EM18G40G	060572	18GHz ~ 40GHz	Jun. 20, 2013	Radiation (03CH04-HY)
Horn Antenna	SCHWARZBECK	BBHA9120	BBHA9120D1130	1 GHz ~ 18 GHz	Sep. 10, 2013	Radiation (03CH04-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170339	15 GHz ~ 40 GHz	Feb. 17, 2014	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)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	CB063-HF	1 GHz ~ 40 GHz	Nov. 20, 2013	Radiation (03CH04-HY)

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

NCR: NO CALIBRATION REQUEST.

APPENDIX A. Photographs of EUT



