FCC Verification Test Report

According to

47 CFR, Part 2, Part 15, CISPR PUB. 22

Applicant	:	AAEON Technology Inc.
Address	:	5F, No. 135, Lane235, Pao Chiao Rd., Hsin-Tien Dist, New Taipei, 231 Taiwan
Equipment	:	NanoCOM CPU Module
Model No.	:	NanoCOM-CVxxxxxx (Where x is 0-9, A-Z, a-z, - or blank for marketing purpose)
Trade Name	:	AAEON

Contents

History of this test report

■ ORIGINAL.

☐ Additional attachment as following record:

Attachment No.	Issue Date	Description

VERIFICATION OF COMPLIANCE

According to

47 CFR, Part 2, Part 15 and CISPR PUB. 22

Applicant	:	AAEON Technology Inc.
Address	:	5F, No. 135, Lane235, Pao Chiao Rd., Hsin-Tien Dist, New Taipei, 231 Taiwan
Equipment	:	NanoCOM CPU Module
Model No.	:	NanoCOM-CVxxxxxx (Where x is 0-9, A-Z, a-z, - or blank for marketing purpose)

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, FCC Part 15 in** both radiated and conducted emission class A limits. Testing was carried out on Oct. 03, 2012 at **Cerpass Technology Corp**.

Signature

Hill Chen
EMC/RF B.U. Assistant Manager

1. Summary of Test Procedure and Test Result

Test Item	Normative References	Test Result
Conducted Emission	ANSI C63.4-2009, FCC Part 15 Subpart B	PASS
Radiated Emission	ANSI C63.4-2009, FCC Part 15 Subpart B	PASS

2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Please refer to the user manual.

2.2. Test Manner

a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.

b. An executive program, “My Win.exe” 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:
1. Turn on the power of all equipment.
2. The PC reads the test program from the hard disk drive and runs it.
3. The PC sends “H” messages to the monitor, and the monitor displays “H” patterns on the screen.
4. The PC sends “H” messages to the internal hard disk, and the hard disk reads and writes the message.
5. The PC sends "H" messages to the modem.
6. Repeat the steps from 2 to 5.

c. An executive program, “x.bat” under WIN 7 was executed to read and write data from iPod.

d. An executive program, “Color bar.exe” under WIN 7 was executed to play 1kHz audio.

e. An executive program, “Ping.exe” under WIN 7 was executed to transmit and receive data to the remote workstation through LAN and WLAN.

f. The complete test system included Remote workstation, PC, Monitor, Keyboard, Mouse, Modem, iPod, Earphone, Walkman, Flash Memory and EUT for EMI test. The Remote workstation includes Notebook.

g. The test modes of conduction test as follow:
Test Mode 1. VGA 1920x1200, Link LAN
Test Mode 2. VGA 1600x1200, Link LAN
The “Test Mode 1” generated the worst test result, it was reported as final data.

h. The test modes of radiation and EMS test as follow:
Test Mode 1. VGA 1920x1200, Link LAN
Test Mode 2. VGA 1600x1200, Link LAN
Test Mode 3. VGA 1920x1200, Link LAN, Open Case
The “Test Mode 1, 3” generated the worst test result, they were reported as final data.

2.3. Description of Support Unit

Device	Manufacturer	Model No.	Description
Monitor	DELL	U2410f	Power Cable, Unshielding 1.8m VGA Cable, Shielding 1.8 m
Keyboard	Logitech	Y-SU61	PS/2 Cable, Unshielding 1.85m
Mouse	Logitech	M-SBF96	PS/2 Cable, Unshielding 1.85m
Modem*2	ACEEX	DM-1414	Power Cable, Unshielding 1.8m RS232 Cable, Shielding 1.5 m
iPod*2	APPLE	A1320	USB Cable, Shielding 1.0 m
Earphone	MIC	MIC-4	Audio Cable, Unshielding 1.35 m
Walkman	Panasonic	RQ-L8LT	Audio Cable, Unshielding 1.35 m
Flash Memory*2	TranScend	JF150	2GB
Remote workstation			
Notebook*2	SONY	VPCEB25FW	Power Cable, Unshielding 1.8m
PC			
CPU	Intel	ATOM N2600	1.6GHz
CFD	TranScend	N/A	16GB
On Board SSD	Greenliant	GLS85LS1004P-S-I-FZJE	4G
On Board Memory	SAMSUNG	DDR3-1333	2GB
Power Supply	SEVENTEAM	ST-300HLP	300W

Use Cable:

Cable	Quantity	Description
RJ45	2	Unshielding, 15m

2.4. General Information of Test

Test Site :	Cerpass Technology Corp. 2F-11, No. 3, Yuan Qu St., (Nankang Software Park), Taipei, Taiwan 115, R.O.C.
Test Site Location (OATS1-SD):	No68-1,Shihbachong Si, Shihding Township,Taipei County 223, Taiwan , R.O.C
FCC Registration Number :	TW1049, TW1061, 488071, 390316
IC Registration Number :	4934B-1, 4934D-1
VCCI Registration Number :	T-1173 for Telecommunication Test C-4139 for Conducted emission test R-3013 for Radiated emission test G-97 for radiated disturbance above 1GHz
Frequency Range Investigated :	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 15,000 MHz
Test Distance :	The test distance of radiated emission below 1GHz from antenna to EUT is 10 M. The test distance of radiated emission above 1GHz from antenna to EUT is 3 M.
Laboratory Accreditation	TAF Testing Laboratory 1439 NVLAP LAB CODE: 200954-0

2.5. Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30 MHz	LINE / NEUTRAL	3.25 dB
Radiated Emission	30 MHz ~ 1,000 MHz	Vertical / Horizontal	3.93 dB
	1,000 MHz ~ 18,000 MHz	Vertical / Horizontal	5.18 dB

3. Test of Conducted Emission

3.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power 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 meters above the ground plane as shown in section 1.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

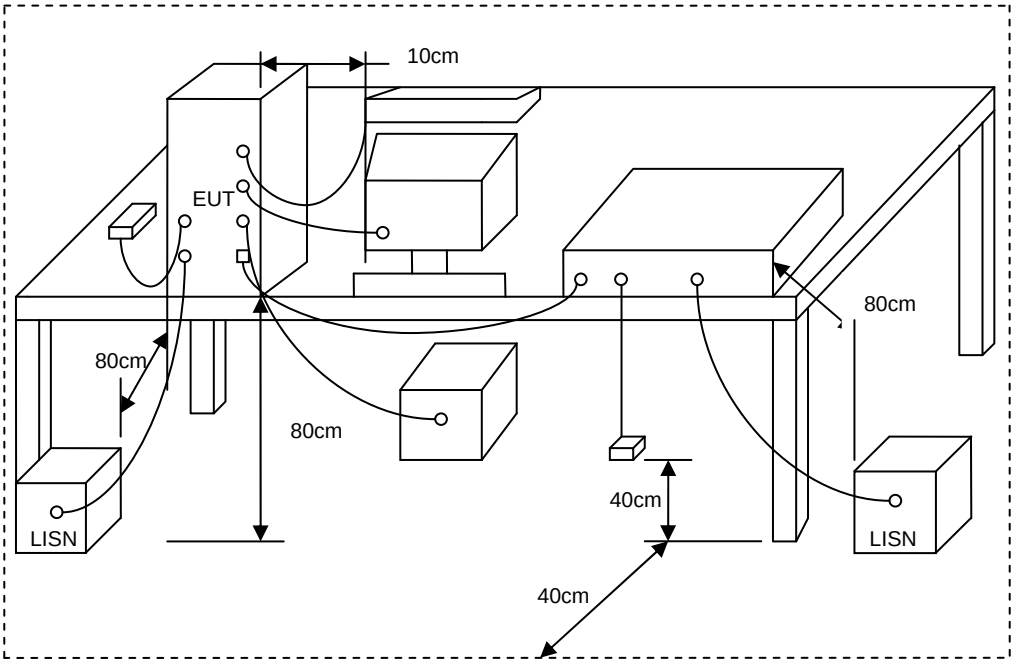
For a Class A digital device that is designed to be connected to the pub-lic utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms LISN. Compliance with the provisions of this paragraph shall be based on the meas-urement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	79	66
0.5 – 30.0	73	60

3.2. Test Procedures

a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
c. All the support units are connecting to the other LISN.
d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
f. Both sides of AC line were checked for maximum conducted interference.
g. The frequency range from 150 kHz to 30 MHz was searched.
h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

3.3. Typical test Setup

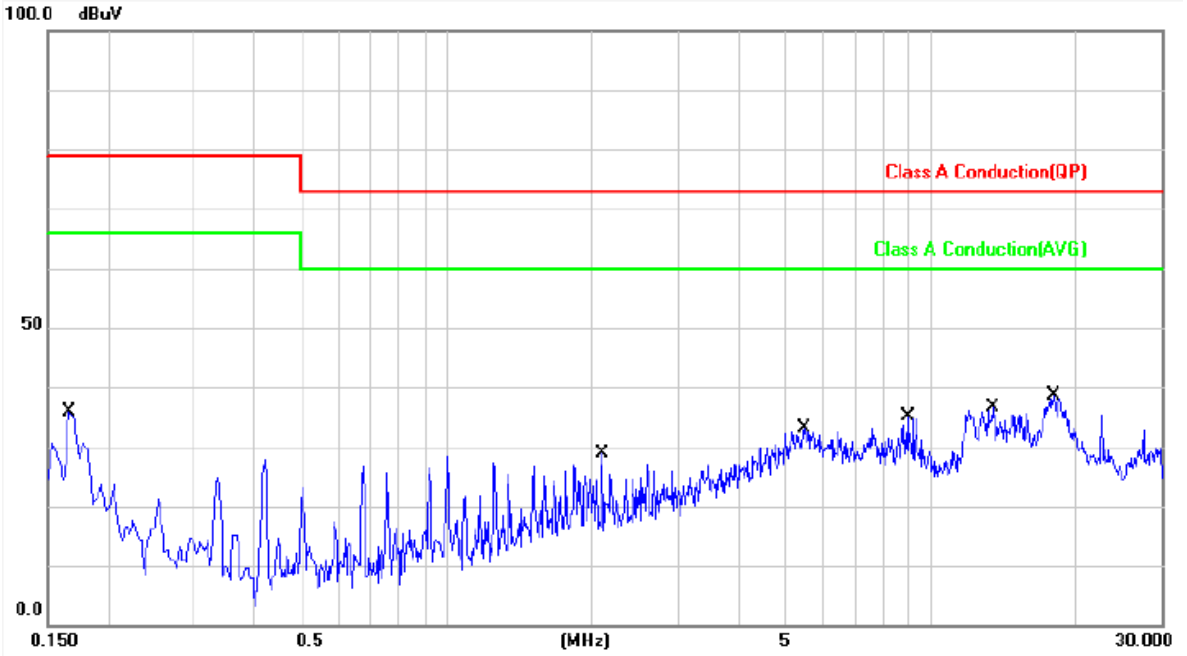


3.4. Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
EMI Receiver	R&S	ESCI	100443	2012/01/12	2013/01/11
LISN	Schwarzbeck	NSLK 8127	8127-516	2012/03/08	2013/03/07
LISN	Schwarzbeck	NSLK 8127	8127-568	2012/08/22	2013/08/21

3.5. Test Result and Data

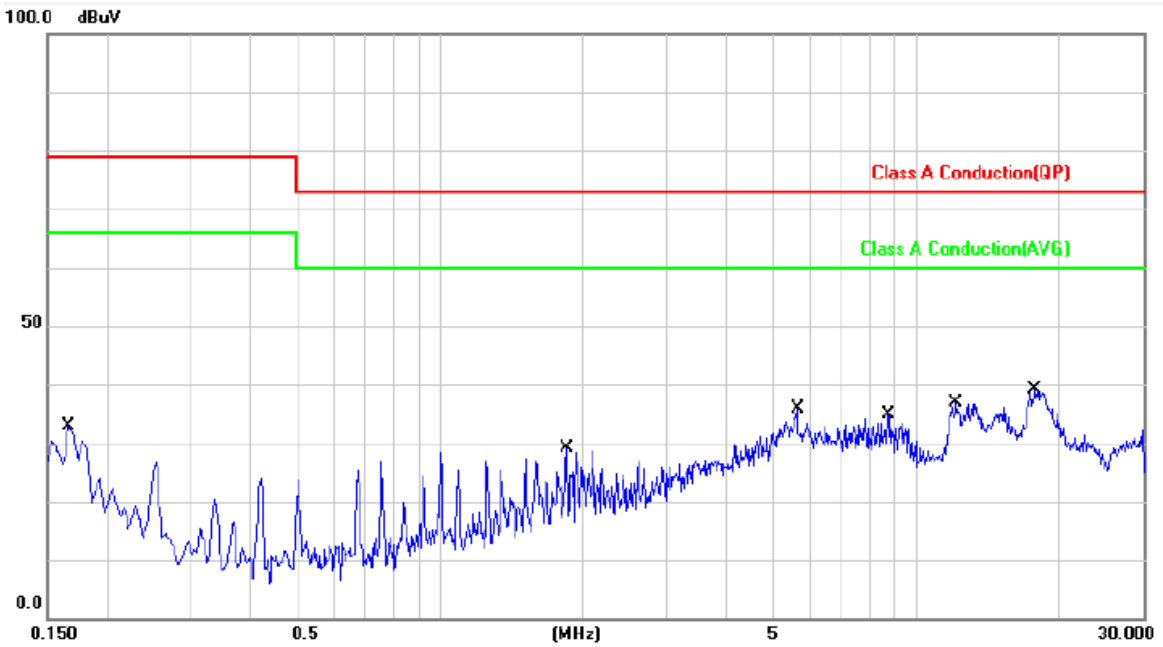
Power	:	AC 120V	Pol/Phase	:	LINE
Test Mode 1	:	VGA 1920x1200, Link LAN	Temperature	:	23 °C
Test Date	:	Oct. 02, 2012	Humidity	:	61 %



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1660	0.22	34.65	34.87	79.00	-44.13	QP	P
2	0.1660	0.22	29.75	29.97	66.00	-36.03	AVG	P
3	2.1020	0.36	26.59	26.95	73.00	-46.05	QP	P
4	2.1020	0.36	23.38	23.74	60.00	-36.26	AVG	P
5	5.4899	0.53	28.41	28.94	73.00	-44.06	QP	P
6	5.4899	0.53	21.88	22.41	60.00	-37.59	AVG	P
7	8.9860	0.70	28.91	29.61	73.00	-43.39	QP	P
8	8.9860	0.70	20.12	20.82	60.00	-39.18	AVG	P
9	13.4540	0.96	29.28	30.24	73.00	-42.76	QP	P
10	13.4540	0.96	23.09	24.05	60.00	-35.95	AVG	P
11	17.9660	1.22	32.69	33.91	73.00	-39.09	QP	P
12	17.9660	1.22	26.77	27.99	60.00	-32.01	AVG	P

Note: Level = Reading + Factor
Margin = Level – Limit

Power	:	AC 120V	Pol/Phase	:	NEUTRAL
Test Mode 1	:	VGA 1920x1200, Link LAN	Temperature	:	23 °C
Test Date	:	Oct. 02, 2012	Humidity	:	61 %



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1660	0.17	31.94	32.11	79.00	-46.89	QP	P
2	0.1660	0.17	27.07	27.24	66.00	-38.76	AVG	P
3	1.8500	0.32	26.81	27.13	73.00	-45.87	QP	P
4	1.8500	0.32	24.71	25.03	60.00	-34.97	AVG	P
5	5.6380	0.50	29.36	29.86	73.00	-43.14	QP	P
6	5.6380	0.50	23.57	24.07	60.00	-35.93	AVG	P
7	8.7420	0.62	26.26	26.88	73.00	-46.12	QP	P
8	8.7420	0.62	20.19	20.81	60.00	-39.19	AVG	P
9	12.1380	0.76	30.39	31.15	73.00	-41.85	QP	P
10	12.1380	0.76	23.16	23.92	60.00	-36.08	AVG	P
11	17.8300	1.00	32.55	33.55	73.00	-39.45	QP	P
12	17.8300	1.00	26.41	27.41	60.00	-32.59	AVG	P

Note: Level = Reading + Factor
Margin = Level – Limit

Test engineer: Charlie

3.6. Test Photographs of Power Port

Front View

Rear View

4. Test of Radiated Emission

4.1. Test Limit

The EUT was placed on a nonmetallic stand in the open-field site, 0.8 meter above the ground plane, as shown in section 2.2. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions.
For unintentional device, according to § 15.109(b), for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 10 meters shall not exceed the following values:

Frequency (MHz)	Distance Meters	Radiated (μ V / M)	Radiated (dB μ V/ M)
30-88	10	90	39.0
88-216	10	150	43.5
216-960	10	210	46.4
Above 960	10	300	49.5

For unintentional device, according to CISPR PUB.22, for Class A digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

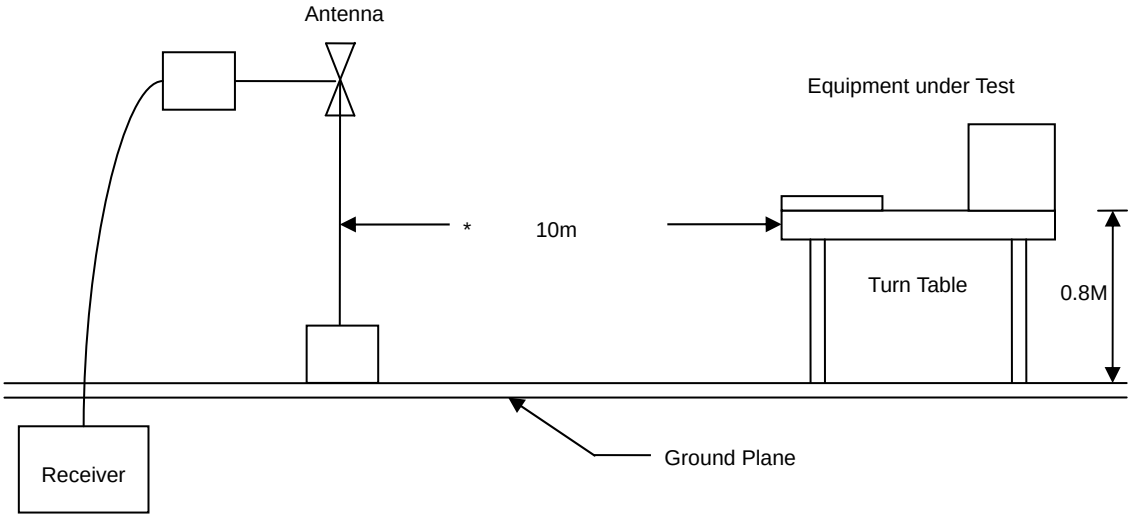
Frequency (MHz)	Distance Meters	Radiated (dB μ V/ M)
30-230	10	40
230-1000	10	47

4.2. Test Procedures

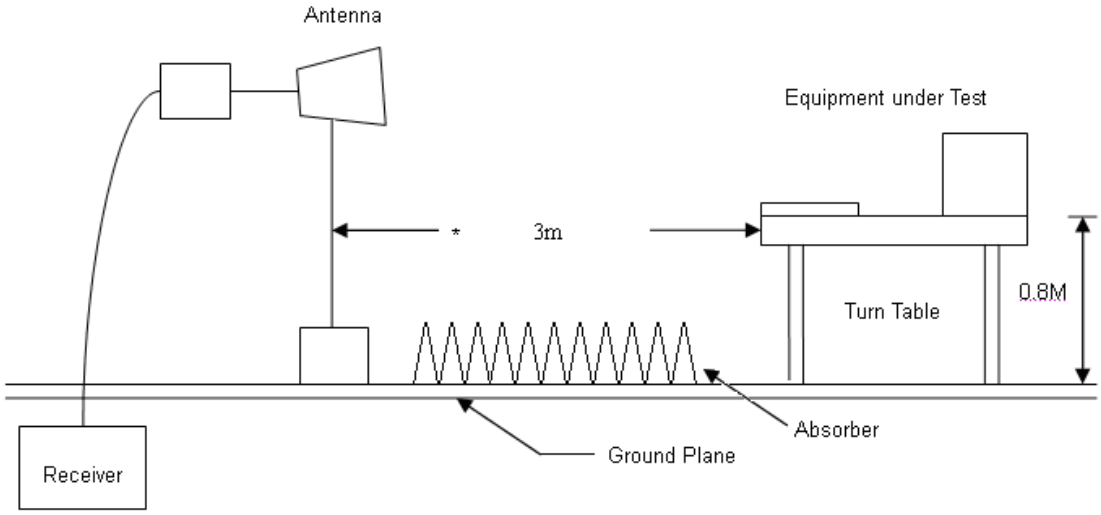
a. The EUT was placed on a Rota table top 0.8 meter above ground.
b. The EUT was set 3/10 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
c. The table was rotated 360 degrees to determine the position of the highest radiation.
d. The antenna is a 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 6 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 6 dB margin will be repeated one by one using the quasi-peak method and reported.

4.3. Typical test Setup

Below 1GHz Test Setup



Above 1GHz Test Setup

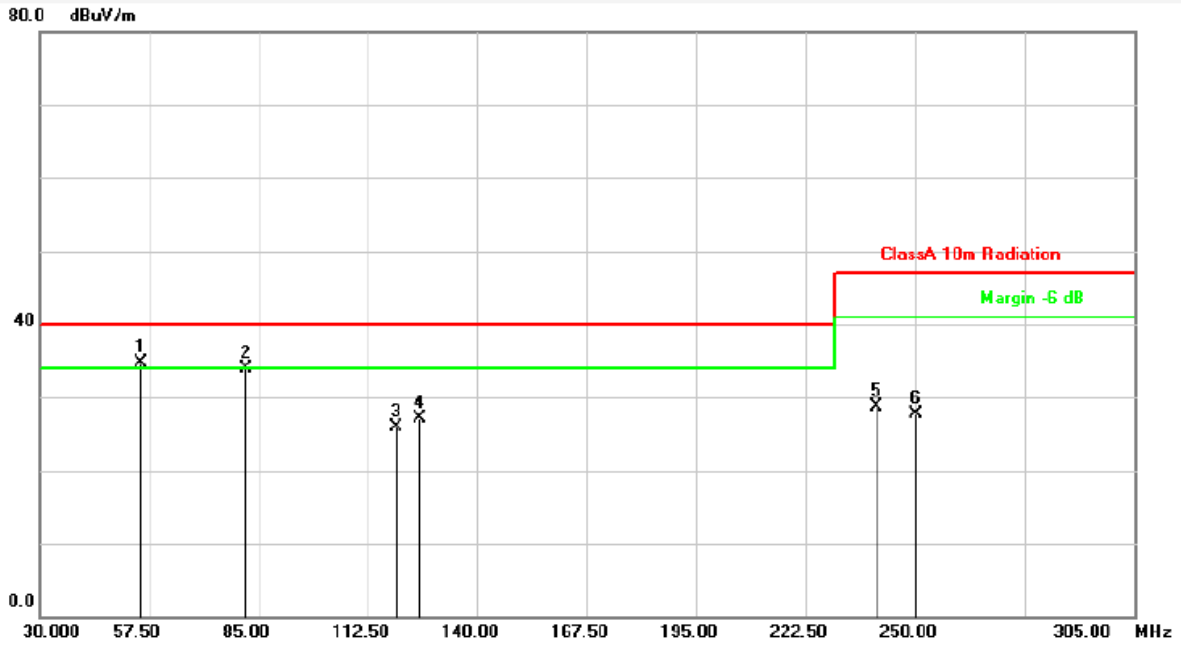


4.4. Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Amplifier	Agilent	8447D	2944A10531	2012/01/13	2013/01/12
Bilog Antenna	Schaffner	CBL6112D	22242	2012/01/12	2013/01/11
EMI Receiver	R&S	ESCI	101200	2012/07/31	2013/07/30
Spectrum Analyzer	R&S	FSP40	100047	2012/03/01	2013/02/28
Horn Antenna	EMCO	3115	31589	2012/03/01	2013/02/28
Preamplifier	Agilent	8449B	3008A01954	2012/02/29	2013/02/28

4.5. Test Result and Data (30MHz~1GHz)

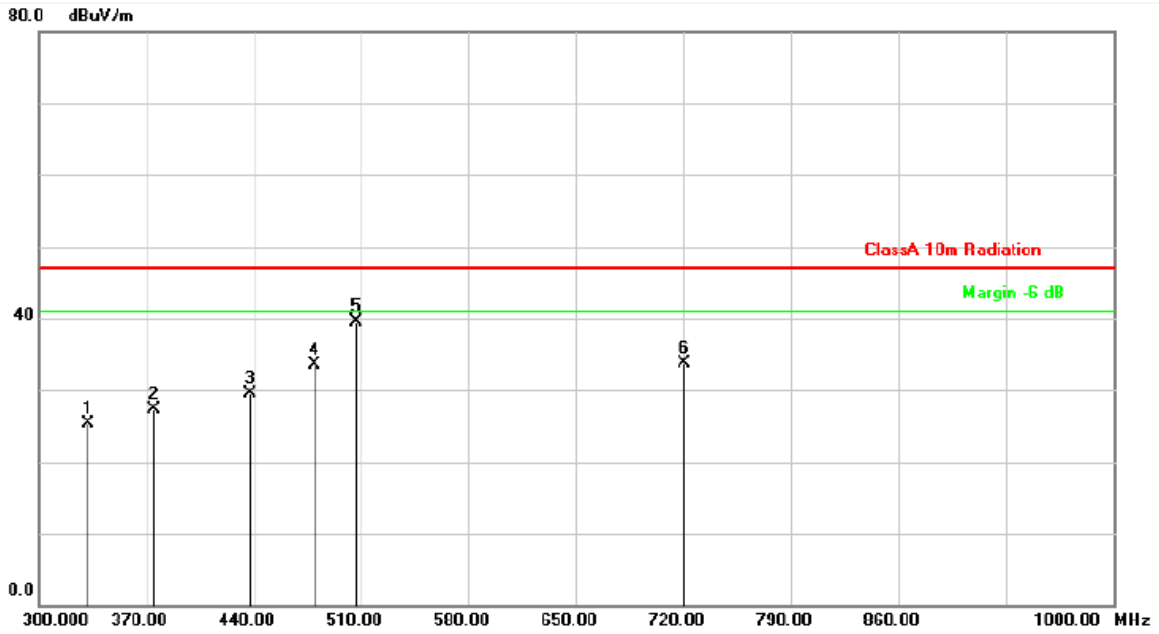
Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode 1	:	VGA 1920x1200, Link LAN	Temperature	:	25 °C
Test Date	:	Oct. 01, 2012	Humidity	:	66 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	55.3000	-18.42	53.17	34.75	40.00	-5.25	QP	229	106	P
2	81.9750	-17.08	50.89	33.81	40.00	-6.19	QP	137	158	P
3	119.6500	-15.01	40.93	25.92	40.00	-14.08	QP	400	0	P
4	125.4250	-14.03	41.11	27.08	40.00	-12.92	QP	400	0	P
5	240.1000	-12.25	41.02	28.77	47.00	-18.23	QP	400	0	P
6	250.0000	-10.82	38.53	27.71	47.00	-19.29	QP	400	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

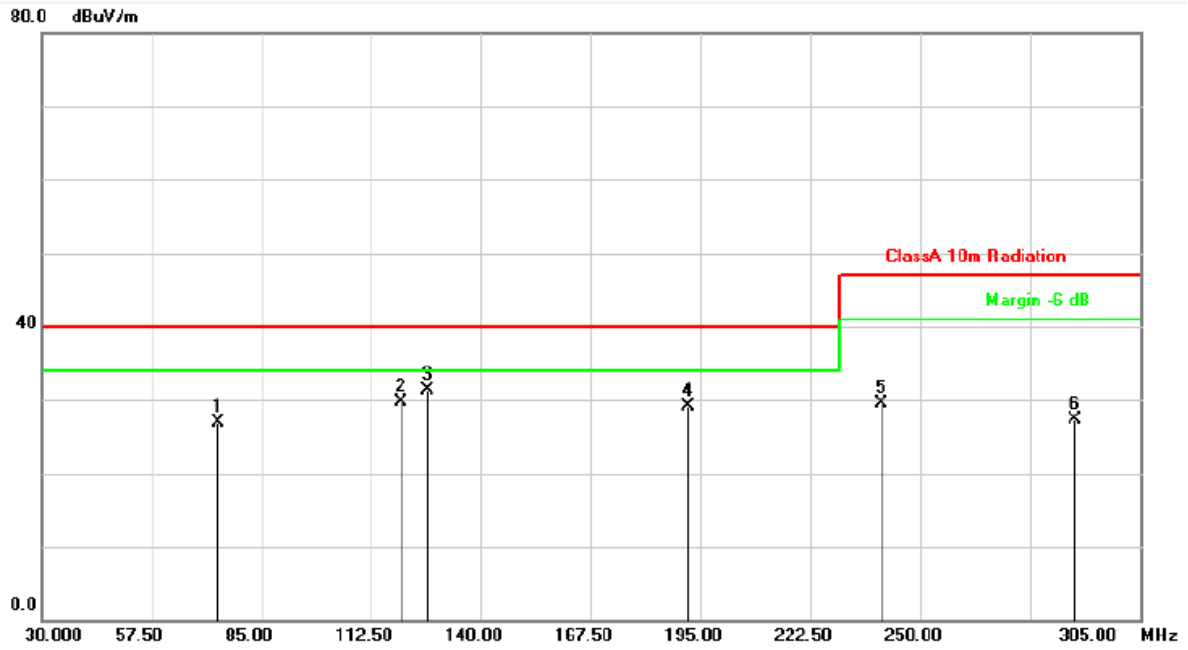
Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode 1	:	VGA 1920x1200, Link LAN	Temperature	:	25 °C
Test Date	:	Oct. 01, 2012	Humidity	:	66 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	332.2000	-8.57	33.84	25.27	47.00	-21.73	QP	100	0	P
2	374.9000	-7.74	35.05	27.31	47.00	-19.69	QP	100	0	P
3	437.9000	-6.41	35.96	29.55	47.00	-17.45	QP	100	0	P
4	479.9000	-5.60	39.07	33.47	47.00	-13.53	QP	125	357	P
5	506.5000	-5.12	44.57	39.45	47.00	-7.55	QP	100	0	P
6	720.0000	-3.21	36.82	33.61	47.00	-13.39	QP	100	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

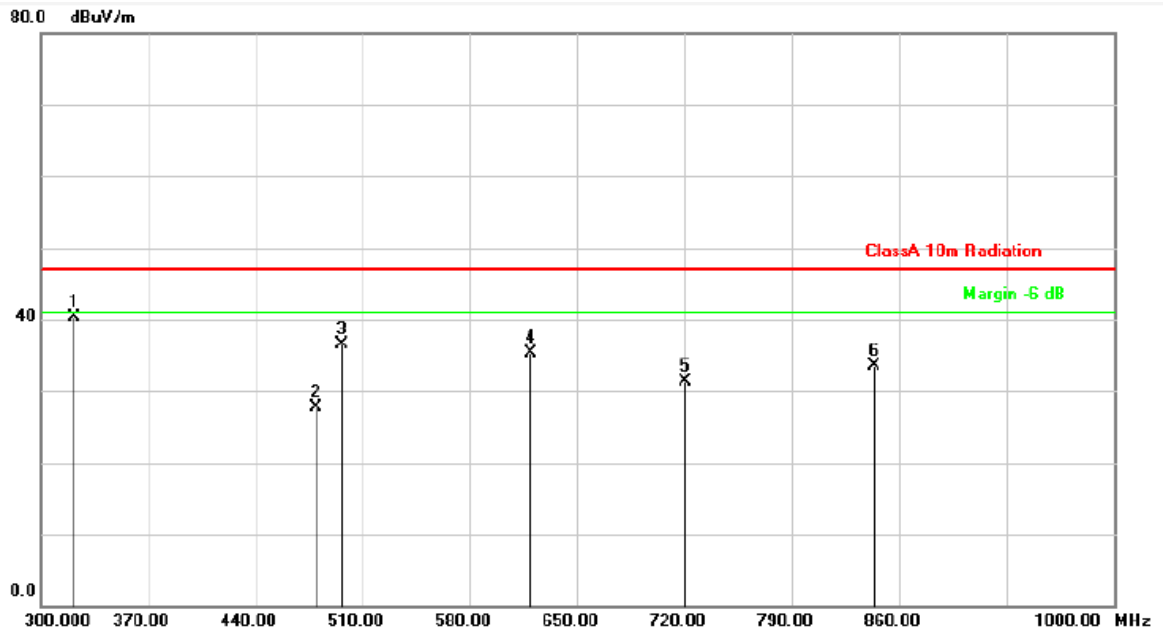
Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode 1	:	VGA 1920x1200, Link LAN	Temperature	:	25 °C
Test Date	:	Oct. 01, 2012	Humidity	:	66 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	74.2750	-18.83	45.67	26.84	40.00	-13.16	QP	400	0	P
2	119.9250	-12.70	42.33	29.63	40.00	-10.37	QP	400	0	P
3	126.5250	-12.80	44.02	31.22	40.00	-8.78	QP	336	108	P
4	191.9750	-15.11	44.20	29.09	40.00	-10.91	QP	400	0	P
5	240.1000	-12.19	41.62	29.43	47.00	-17.57	QP	400	0	P
6	288.7750	-8.71	36.07	27.36	47.00	-19.64	QP	400	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

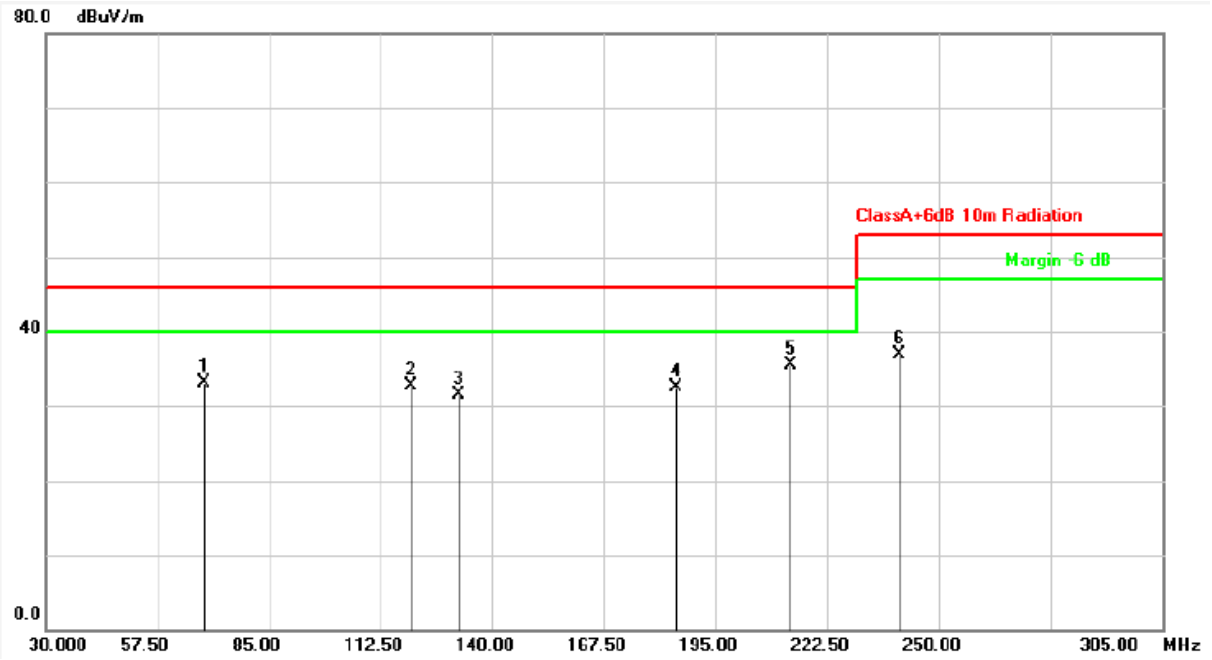
Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode 1	:	VGA 1920x1200, Link LAN	Temperature	:	25 °C
Test Date	:	Oct. 01, 2012	Humidity	:	66 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	321.7000	-7.94	48.24	40.30	47.00	-6.70	QP	136	118	P
2	479.9000	-5.30	33.03	27.73	47.00	-19.27	QP	100	0	P
3	496.7000	-4.92	41.51	36.59	47.00	-10.41	QP	100	0	P
4	619.9000	-2.15	37.53	35.38	47.00	-11.62	QP	100	0	P
5	720.0000	-2.99	34.36	31.37	47.00	-15.63	QP	100	0	P
6	843.2000	-1.67	35.25	33.58	47.00	-13.42	QP	100	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

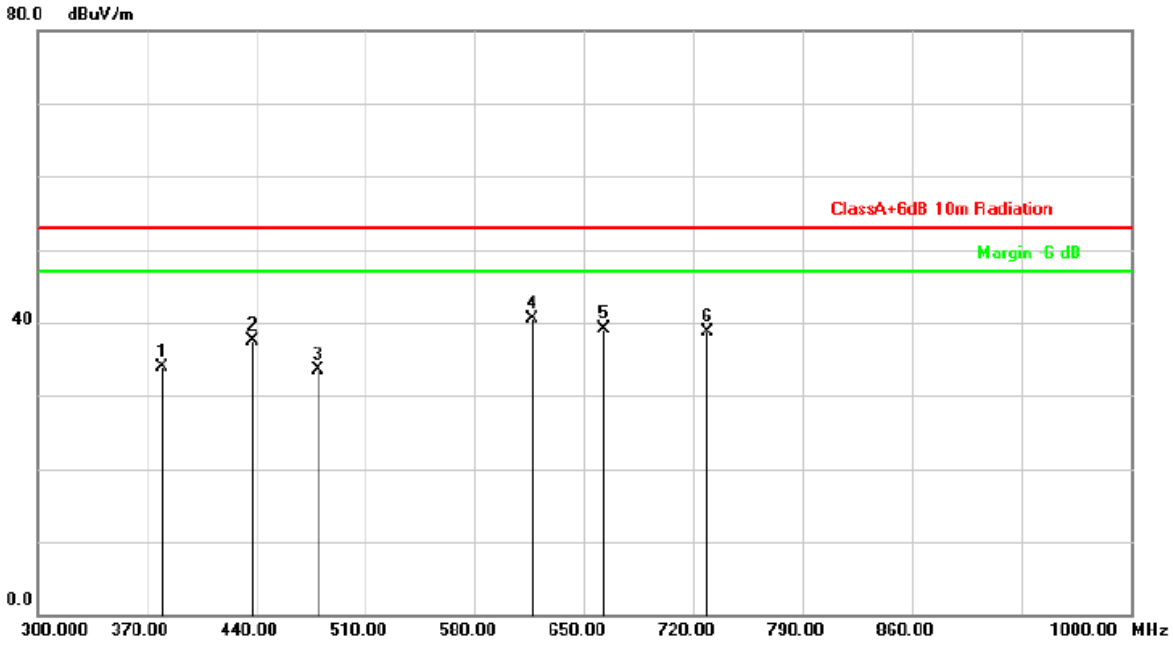
Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode 3	:	VGA 1920x1200, Link LAN, Open Case	Temperature	:	25 °C
Test Date	:	Oct. 01, 2012	Humidity	:	66 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	69.0500	-16.43	49.57	33.14	46.00	-12.86	QP	400	0	P
2	119.9250	-15.08	47.87	32.79	46.00	-13.21	QP	136	125	P
3	131.7500	-13.08	44.54	31.46	46.00	-14.54	QP	400	0	P
4	185.1000	-14.67	47.15	32.48	46.00	-13.52	QP	400	0	P
5	213.4250	-15.15	50.63	35.48	46.00	-10.52	QP	400	0	P
6	240.1000	-12.25	49.13	36.88	53.00	-16.12	QP	400	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

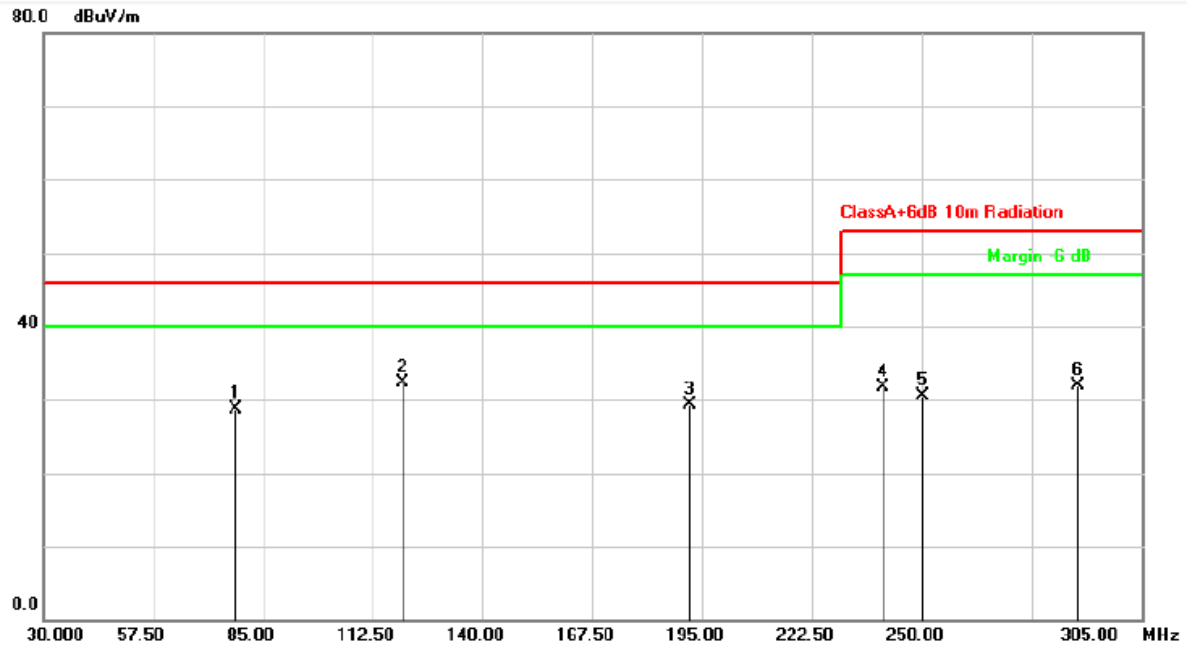
Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode 3	:	VGA 1920x1200, Link LAN, Open Case	Temperature	:	25 °C
Test Date	:	Oct. 01, 2012	Humidity	:	66 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	379.8000	-7.65	41.55	33.90	53.00	-19.10	QP	100	0	P
2	437.2000	-6.41	43.83	37.42	53.00	-15.58	QP	100	0	P
3	479.9000	-5.60	39.07	33.47	53.00	-19.53	QP	100	0	P
4	616.4000	-3.30	43.75	40.45	53.00	-12.55	QP	100	0	P
5	662.6000	-3.27	42.47	39.20	53.00	-13.80	QP	100	0	P
6	729.1000	-3.17	41.96	38.79	53.00	-14.21	QP	100	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

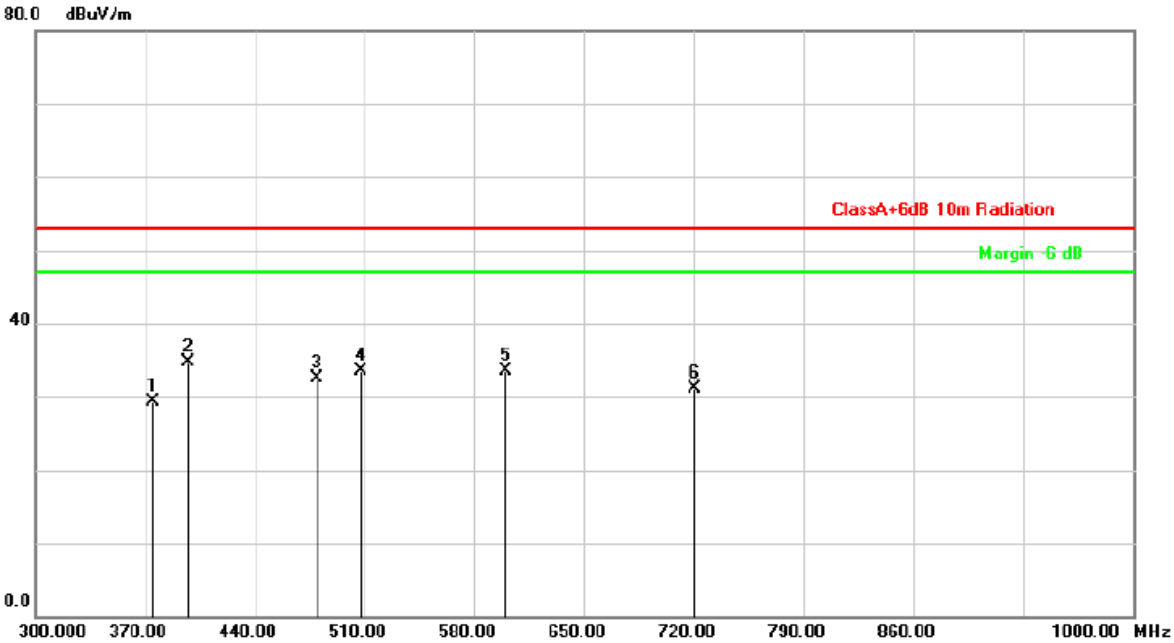
Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode 3	:	VGA 1920x1200, Link LAN, Open Case	Temperature	:	25 °C
Test Date	:	Oct. 01, 2012	Humidity	:	66 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	78.1250	-17.94	46.60	28.66	46.00	-17.34	QP	400	0	P
2	119.9250	-12.70	45.10	32.40	46.00	-13.60	QP	400	0	P
3	191.9750	-15.11	44.41	29.30	46.00	-16.70	QP	400	0	P
4	240.3750	-12.16	43.86	31.70	53.00	-21.30	QP	400	0	P
5	250.0000	-10.88	41.37	30.49	53.00	-22.51	QP	400	0	P
6	289.0500	-8.70	40.55	31.85	53.00	-21.15	QP	400	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode 3	:	VGA 1920x1200, Link LAN, Open Case	Temperature	:	25 °C
Test Date	:	Oct. 01, 2012	Humidity	:	66 %



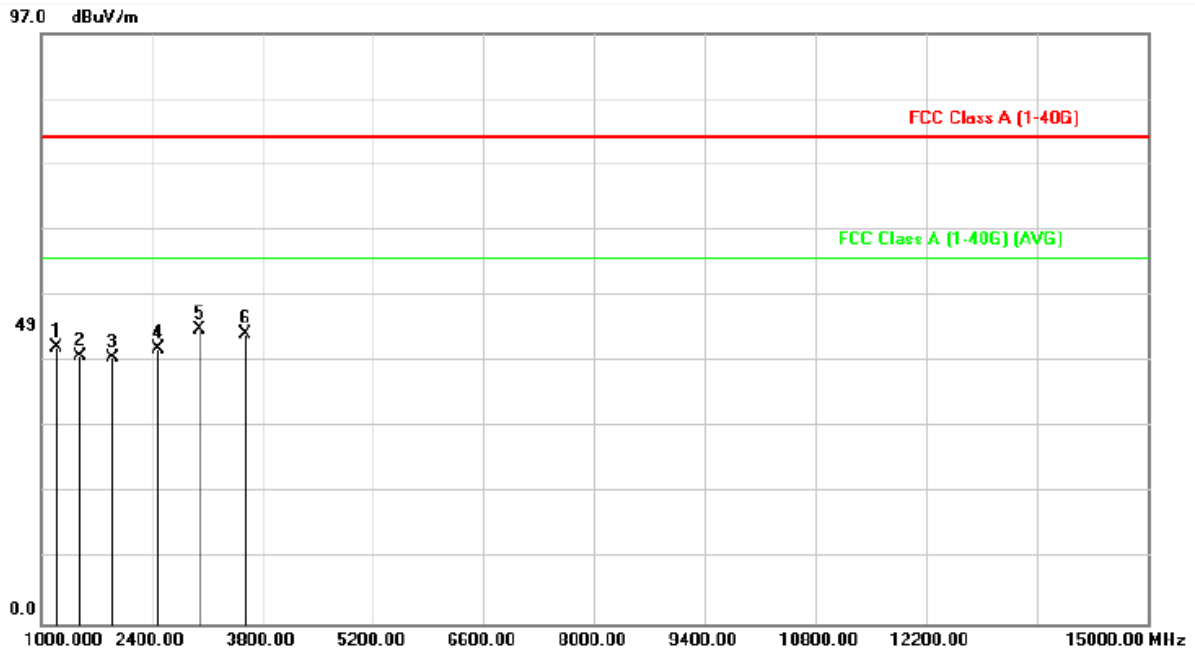
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	374.9000	-7.55	36.91	29.36	53.00	-23.64	QP	100	0	P
2	397.3000	-7.33	42.13	34.80	53.00	-18.20	QP	100	0	P
3	479.9000	-5.30	37.79	32.49	53.00	-20.51	QP	100	0	P
4	507.2000	-4.62	38.14	33.52	53.00	-19.48	QP	100	0	P
5	599.6000	-1.88	35.35	33.47	53.00	-19.53	QP	100	0	P
6	720.0000	-2.99	34.05	31.06	53.00	-21.94	QP	100	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

Test engineer: Steve

4.6. Test Result and Data (1GHz~15GHz)

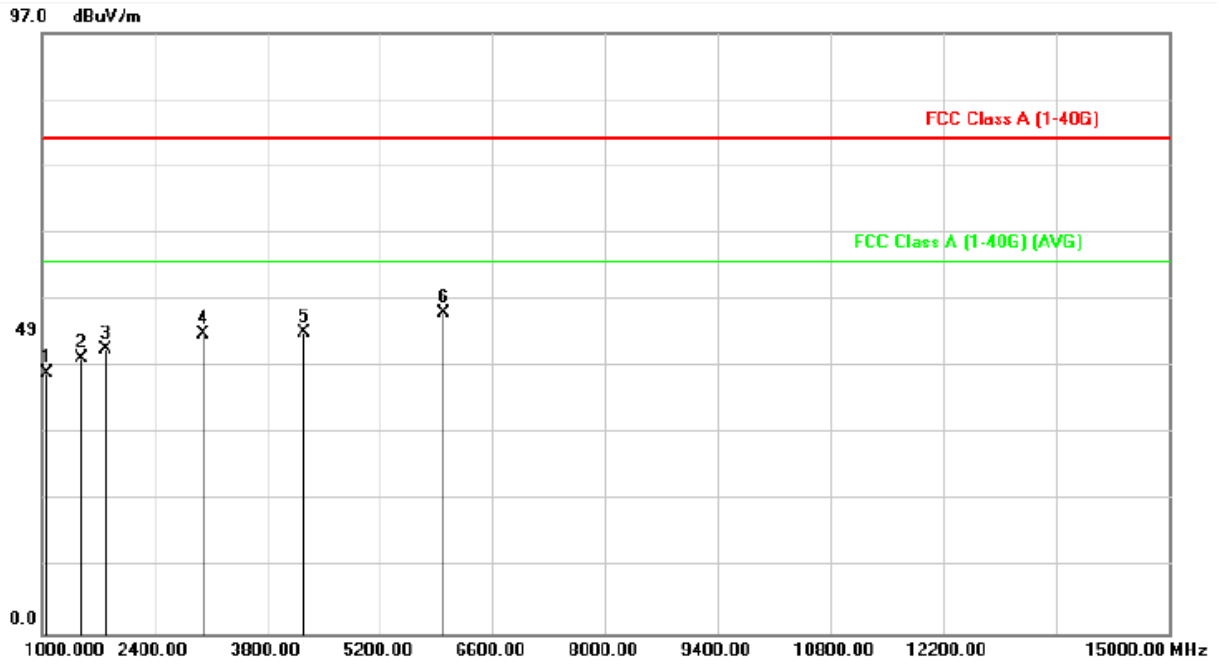
Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode 1	:	VGA 1920x1200, Link LAN	Temperature	:	24 °C
Test Date	:	Oct. 03, 2012	Humidity	:	61 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F
1	1196.000	-18.32	63.85	45.53	80.00	-34.47	peak	400	0	P
2	1490.000	-17.07	61.14	44.07	80.00	-35.93	peak	400	0	P
3	1910.000	-15.12	59.01	43.89	80.00	-36.11	peak	400	0	P
4	2484.000	-13.35	58.65	45.30	80.00	-34.70	peak	400	0	P
5	3002.000	-10.59	58.97	48.38	80.00	-31.62	peak	400	0	P
6	3576.000	-8.99	56.70	47.71	80.00	-32.29	peak	400	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

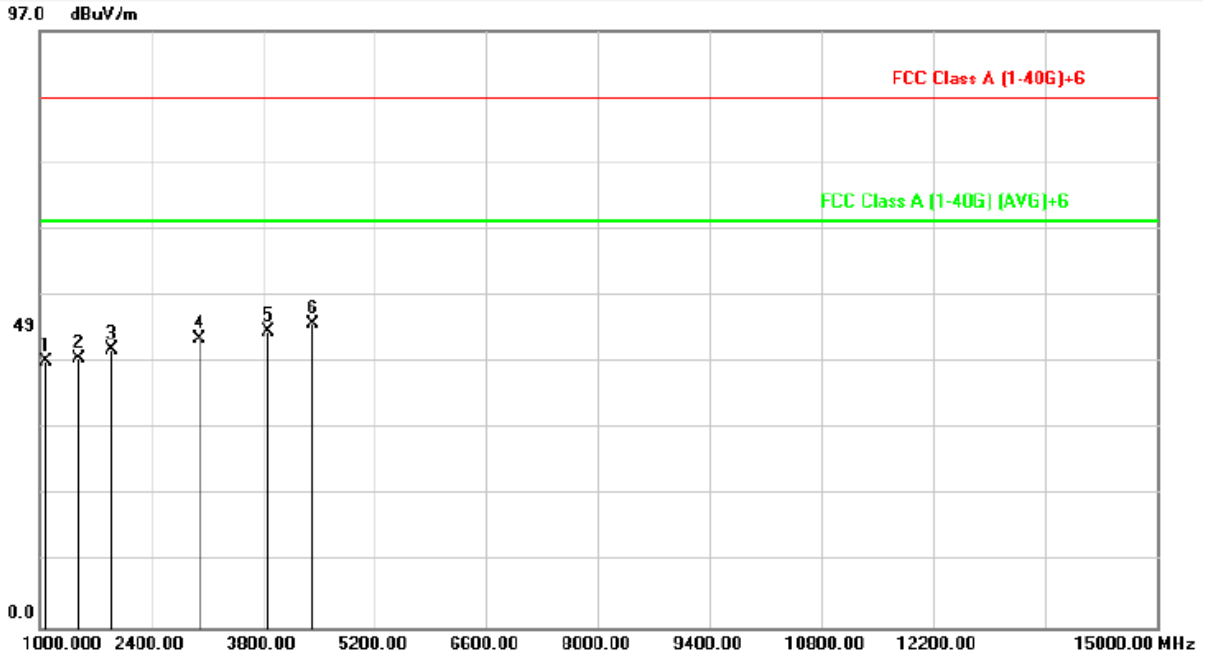
Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode 1	:	VGA 1920x1200, Link LAN	Temperature	:	24 °C
Test Date	:	Oct. 03, 2012	Humidity	:	61 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	1070.000	-18.85	60.93	42.08	80.00	-37.92	peak	100	0	P
2	1490.000	-17.07	61.58	44.51	80.00	-35.49	peak	100	0	P
3	1784.000	-15.71	61.56	45.85	80.00	-34.15	peak	100	0	P
4	3002.000	-10.59	58.85	48.26	80.00	-31.74	peak	100	0	P
5	4262.000	-7.30	56.02	48.72	80.00	-31.28	peak	100	0	P
6	5998.000	-3.91	55.75	51.84	80.00	-28.16	peak	100	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

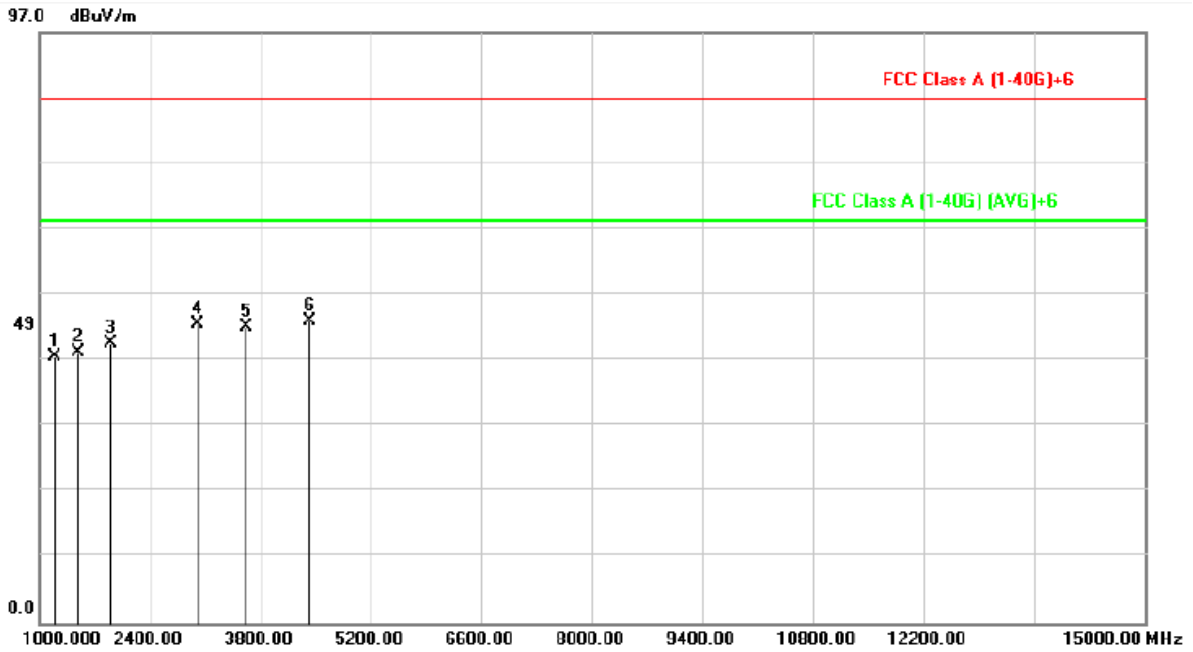
Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode 3	:	VGA 1920x1200, Link LAN, Open Case	Temperature	:	24 °C
Test Date	:	Oct. 03, 2012	Humidity	:	61 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	1084.000	-18.80	62.07	43.27	86.00	-42.73	peak	400	0	P
2	1490.000	-17.07	60.77	43.70	86.00	-42.30	peak	400	0	P
3	1910.000	-15.12	60.24	45.12	86.00	-40.88	peak	400	0	P
4	3002.000	-10.59	57.46	46.87	86.00	-39.13	peak	400	0	P
5	3856.000	-7.89	55.99	48.10	86.00	-37.90	peak	400	0	P
6	4416.000	-7.28	56.75	49.47	86.00	-36.53	peak	400	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode 3	:	VGA 1920x1200, Link LAN, Open Case	Temperature	:	24 °C
Test Date	:	Oct. 03, 2012	Humidity	:	61 %



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (°)	P/F
1	1196.000	-18.32	62.01	43.69	86.00	-42.31	peak	100	0	P
2	1490.000	-17.07	61.58	44.51	86.00	-41.49	peak	100	0	P
3	1910.000	-15.12	60.99	45.87	86.00	-40.13	peak	100	0	P
4	3002.000	-10.59	59.71	49.12	86.00	-36.88	peak	100	0	P
5	3618.000	-8.84	57.35	48.51	86.00	-37.49	peak	100	0	P
6	4430.000	-7.29	56.93	49.64	86.00	-36.36	peak	100	0	P

Note: Level = Reading + Factor
Margin = Level – Limit

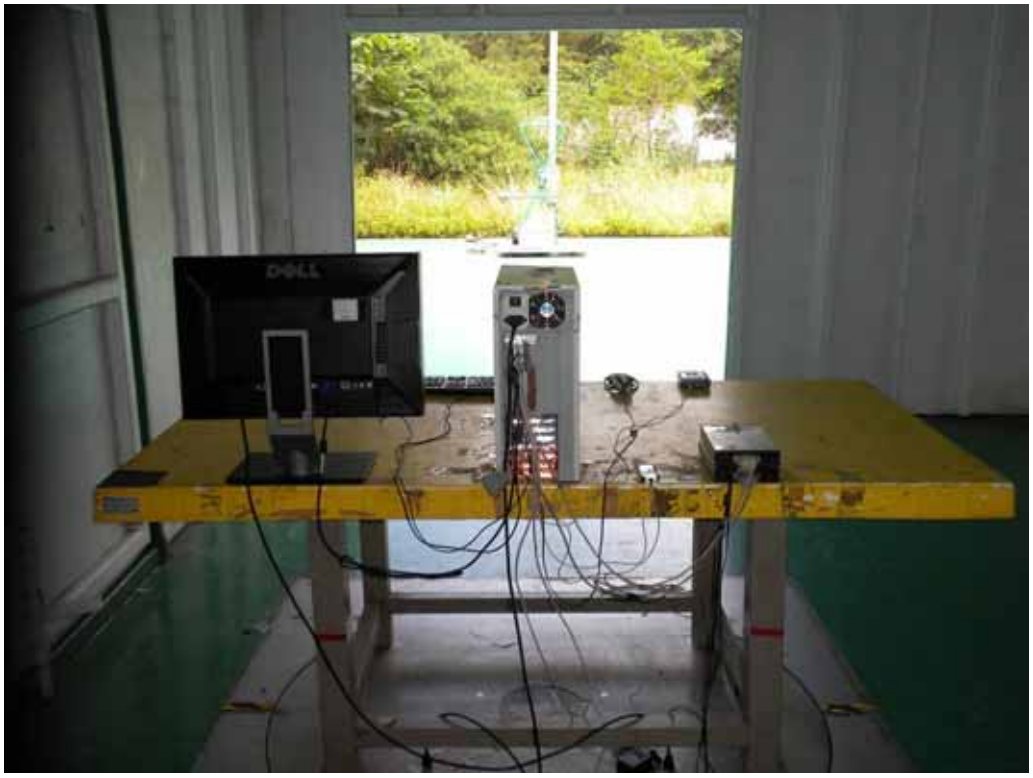
Test engineer: Smith

4.7. Test Photographs (30MHz~1GHz)

Close Case

Front View

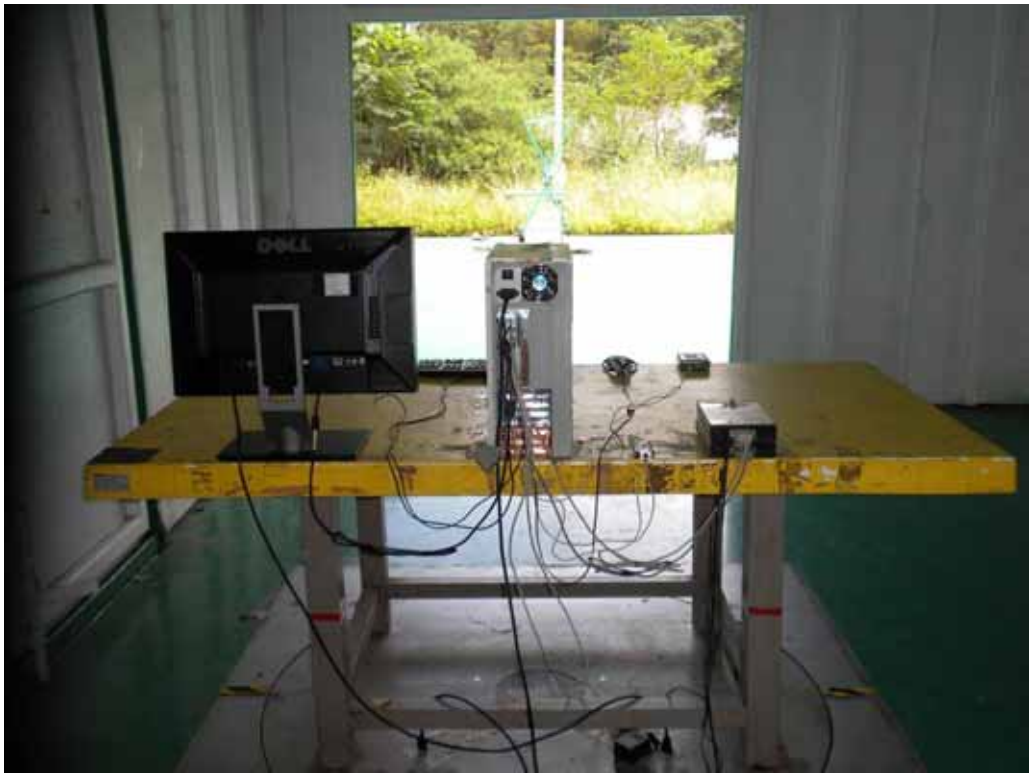
Rear View



Open Case

Front View

Rear View

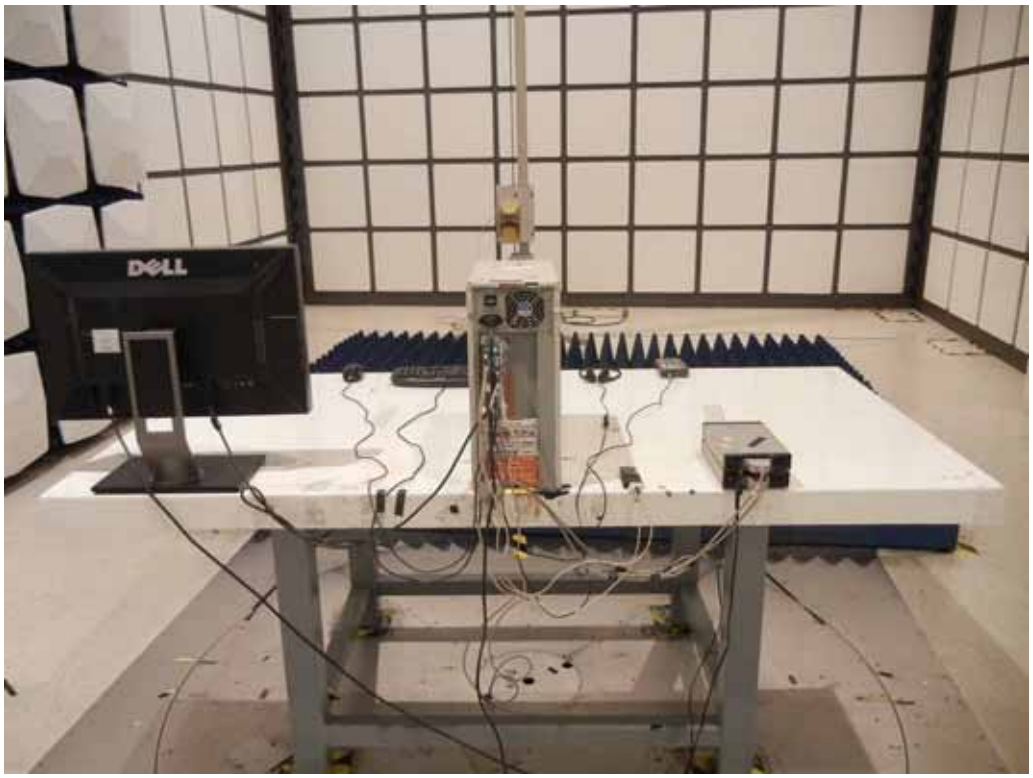


4.8. Test Photographs (1GHz~15GHz)

Close Case

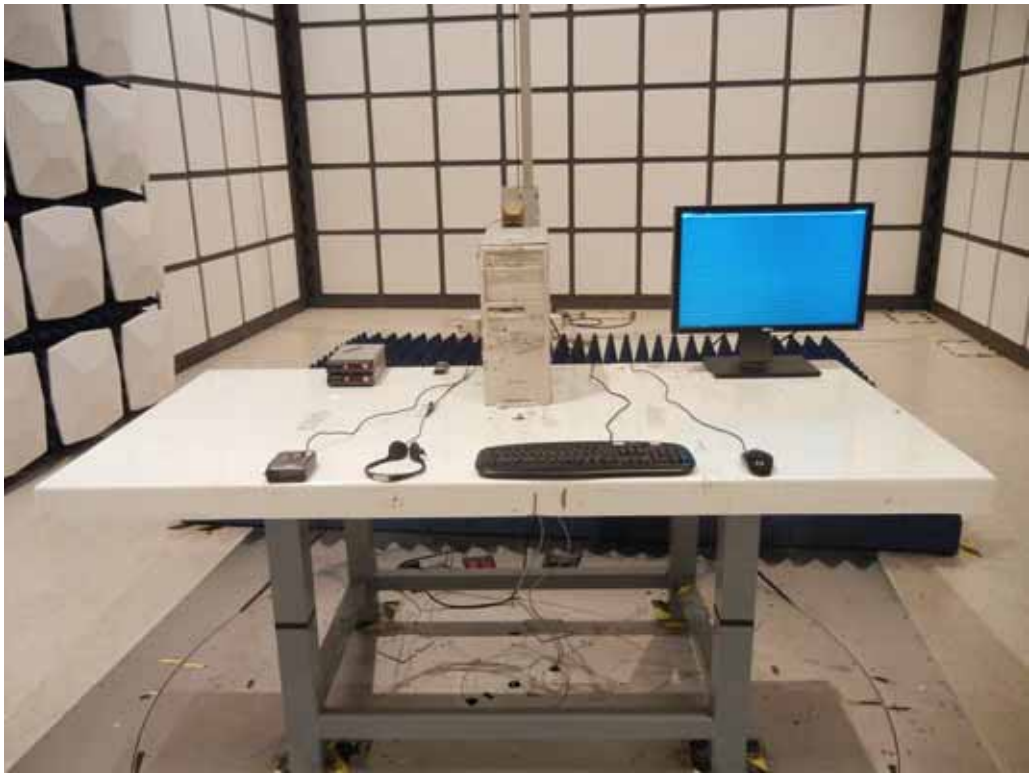
Front View

Rear View

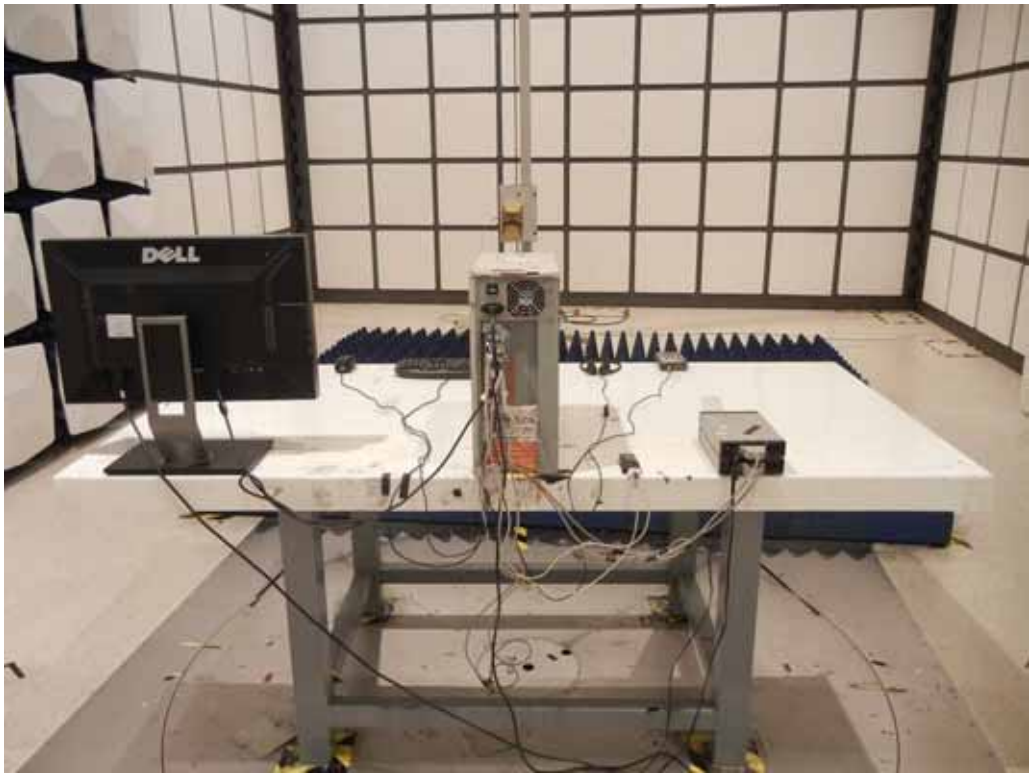


Open Case

Front View



Rear View



Appendix A. Photographs of EUT