FCC Test Report

Product Name ： Notebook PC

Model No. ： X550I, F550I, R510I, K550I, A550I, Y581I, W518I, W508I, FX550I, FX50I, W50I

Applicant ： ASUSTek COMPUTER INC.

Address ： 4F, No. 150, LI-TE RD., PEITOU, TAIPEI, TAIWAN

Date of Receipt ： 2016/08/11

Issued Date ： 2016/08/25

Report No. ： 1682055E-ITUSP01V02

Report Version ： V1.0

Testing Laboratory
3023

Test Report Certification

Issued Date : 2016/08/25
Report No. : 1682055E-ITUSP01V02

Product Name	:	Notebook PC
Applicant	:	ASUSTek COMPUTER INC.
Address	:	4F, No. 150, LI-TE RD., PEITOU, TAIPEI, TAIWAN
Manufacturer	:	ASUSTek COMPUTER INC.
Address	:	4F, No. 150, LI-TE RD., PEITOU, TAIPEI, TAIWAN
Model No.	:	X550I, F550I, R510I, K550I, A550I, Y581I, W518I, W508I, FX550I, FX50I, W50I
EUT Rated Voltage	:	AC 100-240V / 50-60Hz
EUT Test Voltage	:	AC 120V / 60Hz
Trade Name	:	ASUS
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart B: 2015 Class B, ANSI C63.4: 2014
Test Result	:	Complied
Performed Location	:	Quietek Corporation (Linkou Laboratory) No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan, R.O.C. TEL:+866-2-8601-3788 / FAX:+886-2-8601-3789

This report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

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Approved By :
(Director / Vincent Lin)

Laboratory Information

We, **QuieTek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scopes:

Taiwan R.O.C.	**:**	**BSMI, NCC, TAF**
USA	**:**	**FCC**
Japan	**:**	**VCCI**

The related certificate for our laboratories about the test site and management system can be downloaded from QuieTek Corporation's Web Site: http://www.quietek.com/english/about/certificates.aspx?bval=5
The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site: http://www.quietek.com/index_en.aspx
If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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1. General Information

1.1. EUT Description

Product Name	Notebook PC
Trade Name	ASUS
Model No.	X550I, F550I, R510I, K550I, A550I, Y581I, W518I, W508I, FX550I, FX50I, W50I

Note: The different model name is only for different marketing required.

This appendix report was based on Quietek report No. 15C0050R, adds Motherboard, CPU, GPU, Memory, LCD, HDD, SSD, ODD, Battery and Camera.

Keypart List			
Item	Vendor	Model Name	Description
Motherboard	ASUS	X550IU MAIN BOARD	--
CPU (Pin: 968)	AMD	FX-9830P	35W / 3.0G / 2M BGA
	AMD	A12-9730P	35W / 2.8G / 2M BGA
	AMD	A10-9630P	35W / 2.6G / 2M BGA
GPU	AMD	C.S R16M-G1-70 S4	C.S R16M-G1-70 S4 FCBGA769 216-0896088-00(A1-S4)
Memory	MICRON	MTA4ATF51264HZ-2G3B1	DDR4 2400 SO-D 4GB 260P
LCD(15.6”)	AUO	B156XTN07.0	LCD 15.6' HD US GLARE EDP
	INNOLUX	N156BGA-EB2	LCD 15.6' HD US GLARE EDP
	LGD	LP156WF6-SPB6	LCD 15.6' FHD WV US EDP
	BOE	NV156FHM-N43	LCD 15.6' FHD WV US EDP
HDD	SEAGATE	ST1000LM035	SATA3 ROSEWOOD 1TB5 2.5'
SSD(Optional)	SANDISK	SD8SBAT-128G-1002	SATA SSD 128GB 2.5' 7MM
	SAMSUNG	MZ7TY128HDHP-00000	S3 SSD 128GB 2.5' 7MM
	HYNIX	HFS128G32TND-N210A	S3 SSD 128GB 2.5' 7MM
	HYNIX	HFS256G32TND-N210A	S3 SSD 256GB 2.5' 7MM
	SANDISK	SD8SB8U-512G-1002	S3 SSD 512GB 2.5' 7MM
ODD(Optional)	PLDS	DA-8AESH	DVD S-MULTI DL 8X/6X/8X6X/5X
Battery	SANYO	A41-X550A	4S1P/14.4V/44Wh
Camera	LITEON	5SF001N2F	CAMERA VGA FIX 3.3V A MIC CL

1.2. Mode of Operation

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	
Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz) Mode 2: LCD(1920*1080@60Hz)+HDMI(1920*1080@60Hz) Mode 3: LCD(1920*1080@60Hz)+HDMI(1920*1080@60Hz) Mode 4: LCD(1366*768@60Hz)+VGA(1366*768@60Hz) Mode 5: LCD(1366*768@60Hz)+VGA(1366*768@60Hz) Mode 6: LCD(1366*768@60Hz)+VGA(1366*768@60Hz)	
Final Test Mode	
Emission	Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)

Item	Mode 1	Mode 2
Motherboard	ASUS/X550IU MAIN BOARD	ASUS/X550IU MAIN BOARD
CPU	AMD/FX-9830P	AMD/A12-9730P
GPU	AMD/C.S R16M-G1-70 S4	AMD/C.S R16M-G1-70 S4
Memory	MICRON/MTA4ATF51264HZ-2G3B1	MICRON/MTA4ATF51264HZ-2G3B1
LCD	AUO/B156XTN07.0	LGD/LP156WF6-SPB6
HDD	SEAGATE/ST1000LM035	SEAGATE/ST1000LM035
SSD	N/A	HYNIX/HFS256G32TND-N210A
ODD	PLDS/DA-8AESH	N/A
Camera	LITEON/5SF001N2F	LITEON/5SF001N2F
WLAN	Realtek/RTL8821AE	Qualcomm Atheros/QCWB335
Battery	SANYO/A41-X550A	SANYO/A41-X550A
Adapter	LITEON/PA-1121-28	LITEON/PA-1121-28

Item	Mode 3	Mode 4
Motherboard	ASUS/X550IU MAIN BOARD	ASUS/X550IU MAIN BOARD
CPU	AMD/FX-9830P	AMD/A12-9730P
GPU	AMD/C.S R16M-G1-70 S4	AMD/C.S R16M-G1-70 S4
Memory	MICRON/MTA4ATF51264HZ-2G3B1	MICRON/MTA4ATF51264HZ-2G3B1
LCD	BOE/NV156FHM-N43	INNOLUX/N156BGA-EB2
HDD	SEAGATE/ST1000LM035	SEAGATE/ST1000LM035
SSD	SANDISK/SD8SB8U-512G-1002	HYNIX/HFS128G32TND-N210A
ODD	N/A	N/A
Camera	LITEON/5SF001N2F	LITEON/5SF001N2F
WLAN	Realtek/RTL8821AE	Qualcomm Atheros/QCWB335
Battery	SANYO/A41-X550A	SANYO/A41-X550A
Adapter	LITEON/PA-1121-28	LITEON/PA-1121-28

Item	Mode 5	Mode 6
Motherboard	ASUS/X550IU MAIN BOARD	ASUS/X550IU MAIN BOARD
CPU	AMD/A10-9630P	AMD/A10-9630P
GPU	AMD/C.S R16M-G1-70 S4	AMD/C.S R16M-G1-70 S4
Memory	MICRON/MTA4ATF51264HZ-2G3B1	MICRON/MTA4ATF51264HZ-2G3B1
LCD	AUO/B156XTN07.0	INNOLUX/N156BGA-EB2
HDD	SEAGATE/ST1000LM035	SEAGATE/ST1000LM035
SSD	SAMSUNG/MZ7TY128HDHP-00000	SANDISK/SD8SBAT-128G-1002
ODD	N/A	N/A
Camera	LITEON/5SF001N2F	LITEON/5SF001N2F
WLAN	Realtek/RTL8821AE	Qualcomm Atheros/QCWB335
Battery	SANYO/A41-X550A	SANYO/A41-X550A
Adapter	LITEON/PA-1121-28	LITEON/PA-1121-28

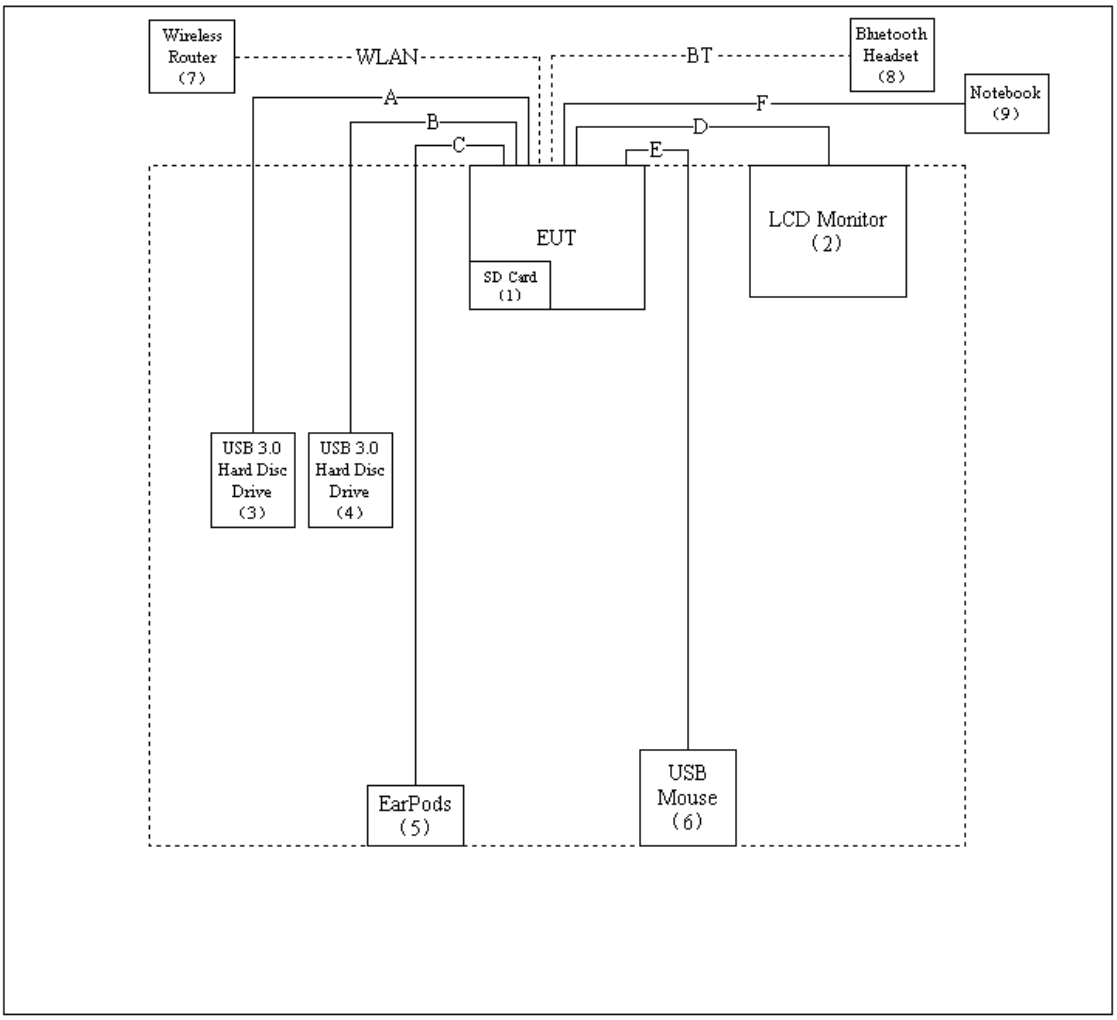
1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	SD Card	SanDisk	8GB	BI1533750281G	Power by EUT
2	LCD Monitor	iiyama	PL2888UH	11339-42900102	Non-Shielded, 1.8m
3	USB 3.0 Hard Disc Drive	Toshiba	DTB305	5524T9QVT3HB	Power by EUT
4	USB 3.0 Hard Disc Drive	Datage	T250	N/A	Power by EUT
5	EarPods	Apple	MD827FE/A	DTY2323453K8	Power by EUT
6	USB Mouse	DELL	MO56UOA	G0X03EGU	Power by EUT
7	Wireless Router	D-Link	DIR-605	PK11496006143	Power by adapter
8	Bluetooth Headset	SUCD	STB-0068	N/A	Power by battery
9	Notebook	DELL	VOSTRO V131	0GX50K 00190-064-375-498	Power by adapter

1.4. Configuration of Tested System

Connection Diagram



Signal Cable Type		Signal Cable Description
A	USB 3.0 Cable	Shielded, 0.3m
B	USB 3.0 Cable	Shielded, 0.3m
C	Microphone & Earphone Cable	Non-Shielded, 1.5m
D	HDMI Cable	Shielded, 1.8m
E	USB Mouse Cable	Shielded, 1.8m
F	LAN Cable	Non-Shielded, >10m

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of all equipments.
3	Open the Camera and take some photos.
4	Run recording program using “SoundRecorder.exe” program software and start recording.
5	Put a disc in the ODD. Then play it by Media Player program.
6	Execute the HDD and SD Card running program using “WINTHRAX.EXE” program software.
7	EUT will send and receive data through LAN using “ping” function.
8	EUT communicates with Wireless router through WLAN; communicates with Bluetooth Earphone through Bluetooth.
9	Run Burn In Test program using Burn In Test” (Ver.6.0) software and send “H” pattern to the monitor.
10	Start test.

2. Technical Test

2.1. Summary of Test Result

☒ No deviations from the test standards

☐ Deviations from the test standards as below description:

Emission			
Performed Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart B: 2015 Class B, ANSI C63.4: 2014	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2015 Class B, ANSI C63.4: 2014	Yes	No

2.2. List of Test Equipment

Conducted Emission / SR8

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESCS 30	100369	2015/10/05
LISN	R&S	ESH3-Z5	836679/017	2016/01/07
LISN	R&S	ENV216	100097	2016/01/07
Coaxial Cable	QTK(Arnist)	RG 400	LC018-RG	2016/06/25

Radiated Emission / CB7

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
EMI Test Receiver	R&S	ESU26	100433	2015/09/03
Bilog Antenna	Schaffner Chase	CBL6112B	2905	2016/06/13
Pre-Amplifier	COM-POWER	PAM-118	443019	2016/07/14
CB7 VSWR	QTK	N/A	N/A	2016/06/26

Radiated Emission / AC5

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date
EMI Receiver	Agilent	N9038A	MY51210196	2016/07/16
Preamplifier	Miteq	NSP1800-25	1364185	2016/05/03
DRG Horn Antenna	ETS-Lindgren	3117	00167055	2016/07/12
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2016/02/28

2.3. Measurement Uncertainty

Conducted Emissions

The measurement uncertainty is evaluated as ± 2.26 dB.

Radiated Emission

The measurement uncertainty is evaluated as ± 3.19 dB.

2.4. Test Environment

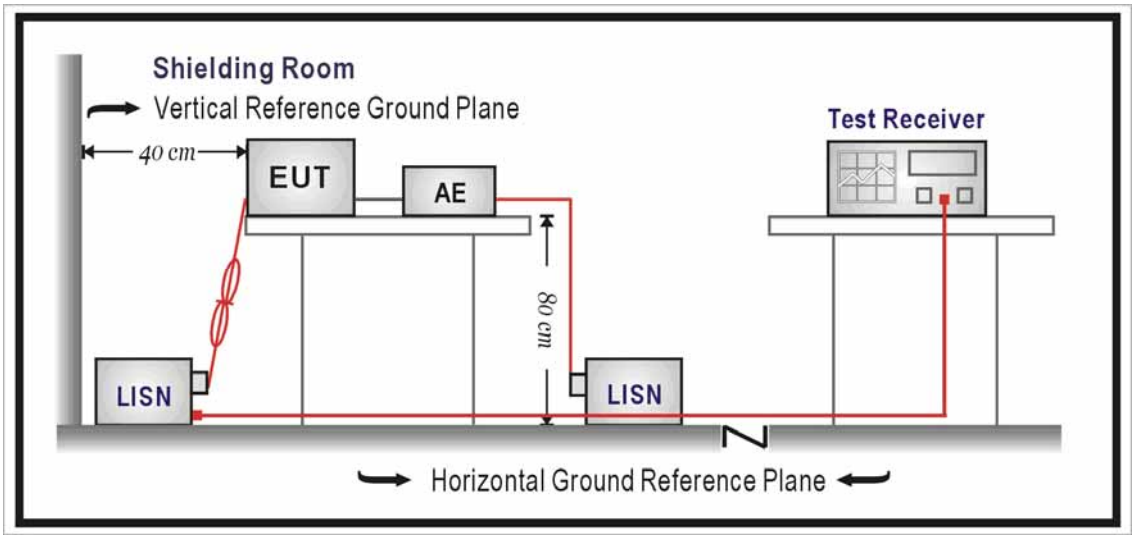
Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	15-35	23.1
	Humidity (%RH)	25-75	51
	Barometric pressure (mbar)	860-1060	950-1000
Radiated Emission	Temperature (°C)	15-35	16
	Humidity (%RH)	25-75	56
	Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission

3.1. Test Specification

According to Standard: FCC Part 15 Subpart B, ANSI C63.4

3.2. Test Setup



3.3. Limit

Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 – 46
0.50-5.0	56	46
5.0 - 30	60	50

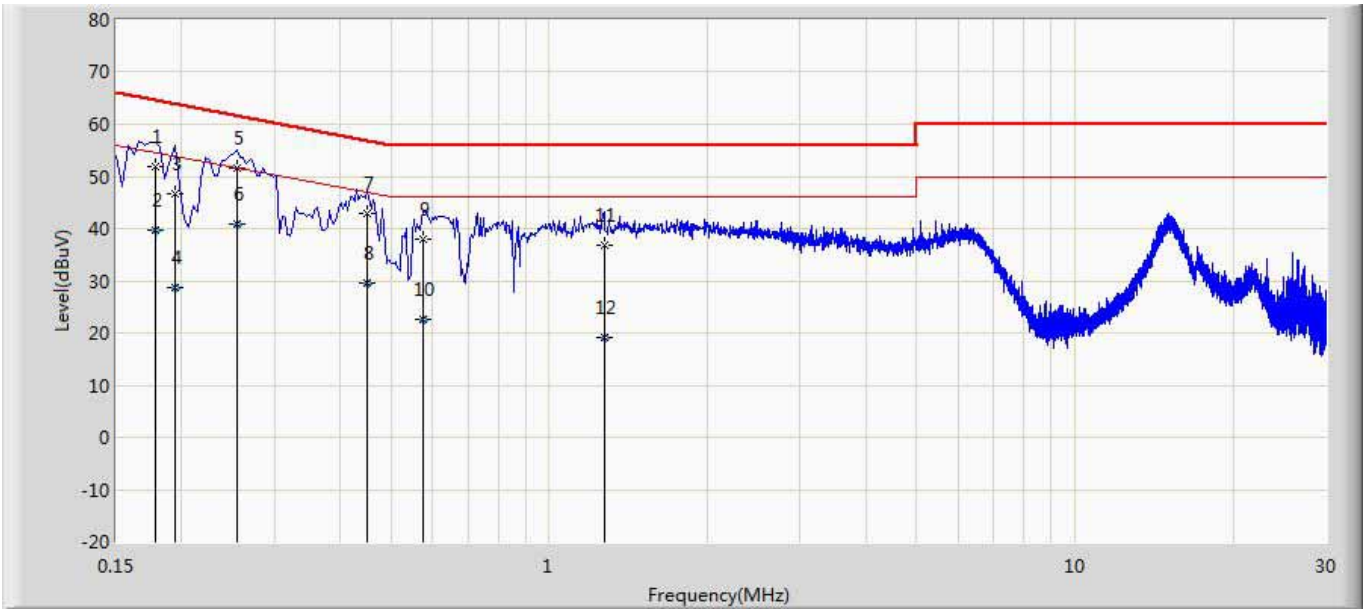
Remarks: In the above table, the tighter limit applies at the band edges.

3.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination.
(Please refers to the block diagram of the test setup and photographs.)
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Result

Site: SR8	Time: 2016/08/17
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216-L1	Polarity: Line
EUT: Notebook PC	Power: AC 120V/60Hz
Note: Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)	

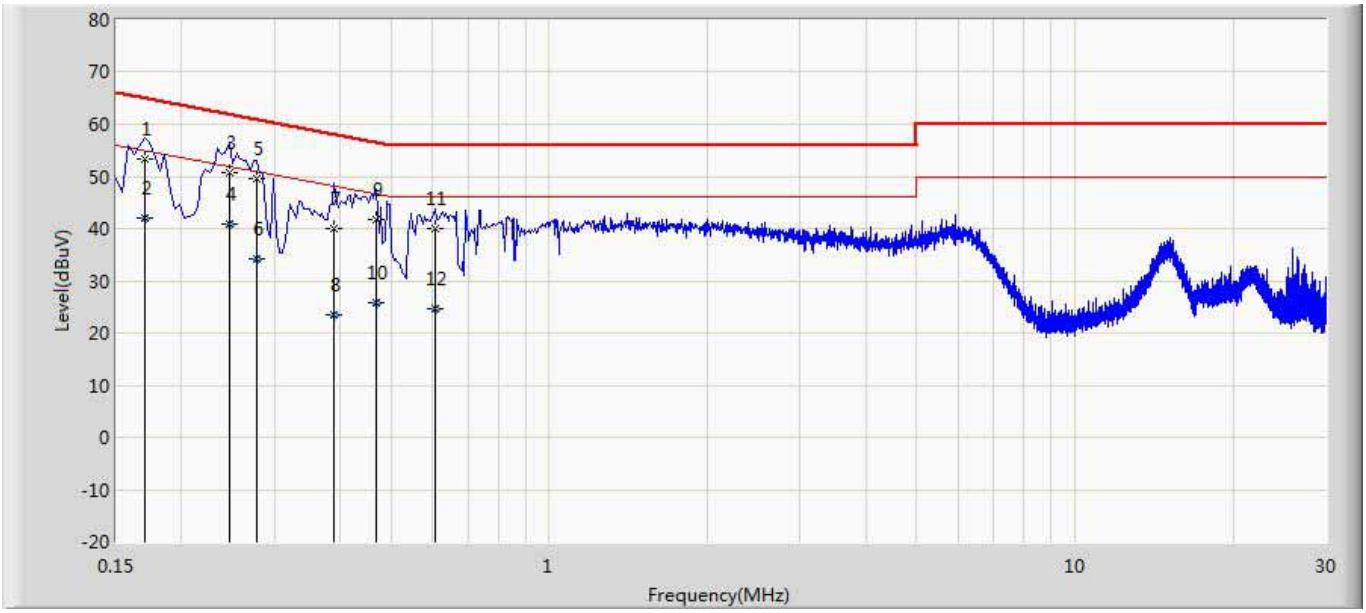


No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.178	51.945	42.228	-12.633	64.578	9.657	0.060	0.000	QP
2		0.178	39.809	30.092	-14.769	54.578	9.657	0.060	0.000	AV
3		0.194	46.776	37.066	-17.088	63.864	9.650	0.060	0.000	QP
4		0.194	28.628	18.918	-25.236	53.864	9.650	0.060	0.000	AV
5	*	0.254	51.535	41.827	-10.090	61.625	9.648	0.060	0.000	QP
6		0.254	40.955	31.247	-10.670	51.625	9.648	0.060	0.000	AV
7		0.450	42.945	33.245	-13.930	56.875	9.630	0.070	0.000	QP
8		0.450	29.501	19.801	-17.374	46.875	9.630	0.070	0.000	AV
9		0.574	38.037	28.337	-17.963	56.000	9.630	0.070	0.000	QP
10		0.574	22.489	12.789	-23.511	46.000	9.630	0.070	0.000	AV
11		1.270	36.904	27.194	-19.096	56.000	9.630	0.080	0.000	QP
12		1.270	19.228	9.518	-26.772	46.000	9.630	0.080	0.000	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: SR8	Time: 2016/08/17
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216-N	Polarity: Neutral
EUT: Notebook PC	Power: AC 120V/60Hz
Note: Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.170	53.425	43.699	-11.535	64.960	9.666	0.060	0.000	QP
2		0.170	42.036	32.310	-12.924	54.960	9.666	0.060	0.000	AV
3		0.246	50.843	41.123	-11.048	61.891	9.660	0.060	0.000	QP
4	*	0.246	40.871	31.151	-11.020	51.891	9.660	0.060	0.000	AV
5		0.278	49.432	39.722	-11.443	60.875	9.650	0.060	0.000	QP
6		0.278	34.238	24.528	-16.637	50.875	9.650	0.060	0.000	AV
7		0.390	39.945	30.245	-18.119	58.064	9.640	0.060	0.000	QP
8		0.390	23.480	13.780	-24.584	48.064	9.640	0.060	0.000	AV
9		0.470	41.769	32.069	-14.745	56.514	9.630	0.070	0.000	QP
10		0.470	25.715	16.015	-20.799	46.514	9.630	0.070	0.000	AV
11		0.606	40.077	30.368	-15.923	56.000	9.639	0.070	0.000	QP
12		0.606	24.598	14.889	-21.402	46.000	9.639	0.070	0.000	AV

Note:

1. " * ", means this data is the worst emission level.

2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

3.6. Test Photograph

Test Mode : Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)

Description : Front View of Conducted Test

Test Mode : Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)

Description : Back View of Conducted Test

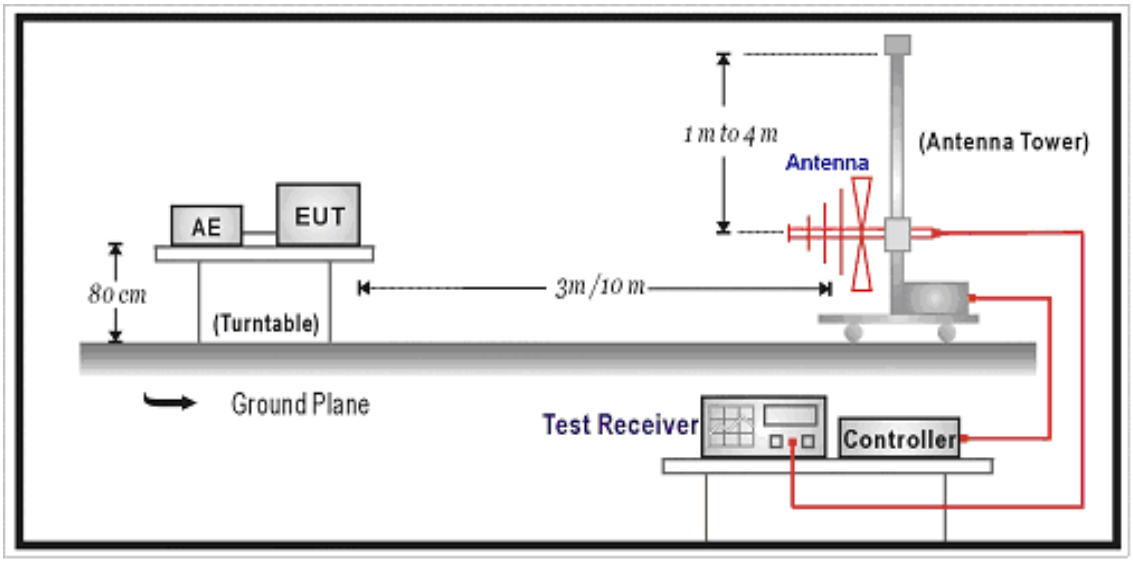
4. Radiated Emission

4.1. Test Specification

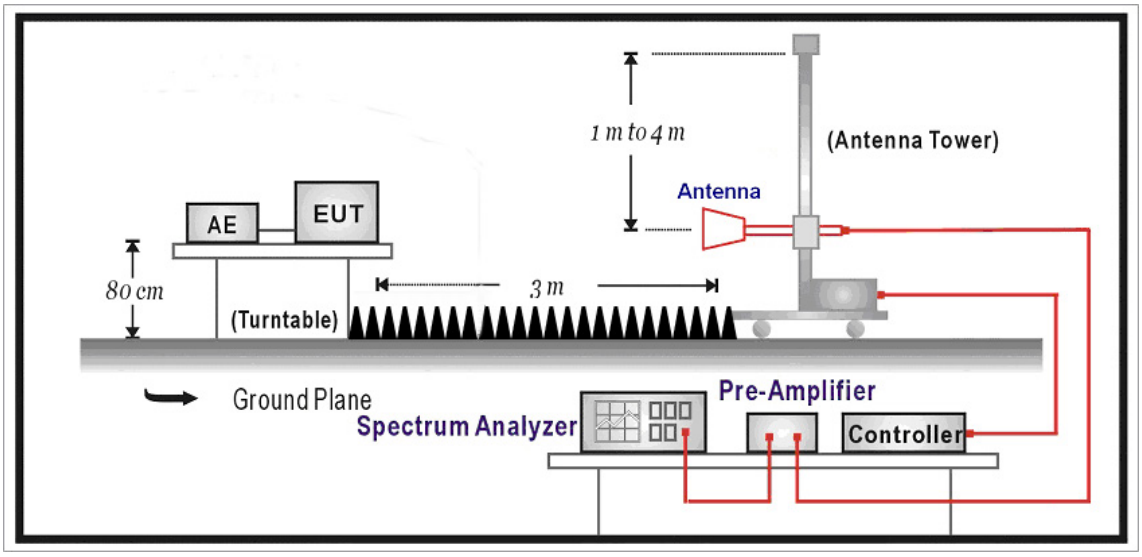
According to Standard: FCC Part 15 Subpart B, ANSI C63.4

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

Test shall not exceed the following value:

FCC Part 15 Subpart B Paragraph 15.109 Limits (dBuV/m)		
Frequency (MHz)	Distance (m)	dBuV/m
30-88	3	40
88-216	3	43.5
216-960	3	46
Above 960	3	54

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
3. RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level and the antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the folowing table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5^{th} harmonic of the highest frequency or 40 GHz, whichever is lower

On any frequency or frequencies below or equal to 1000 MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000 MHz, the radiated limits shown are based measuring equipment employing an average detector function.

When average radiated emission measurement are included emission measurement Above 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

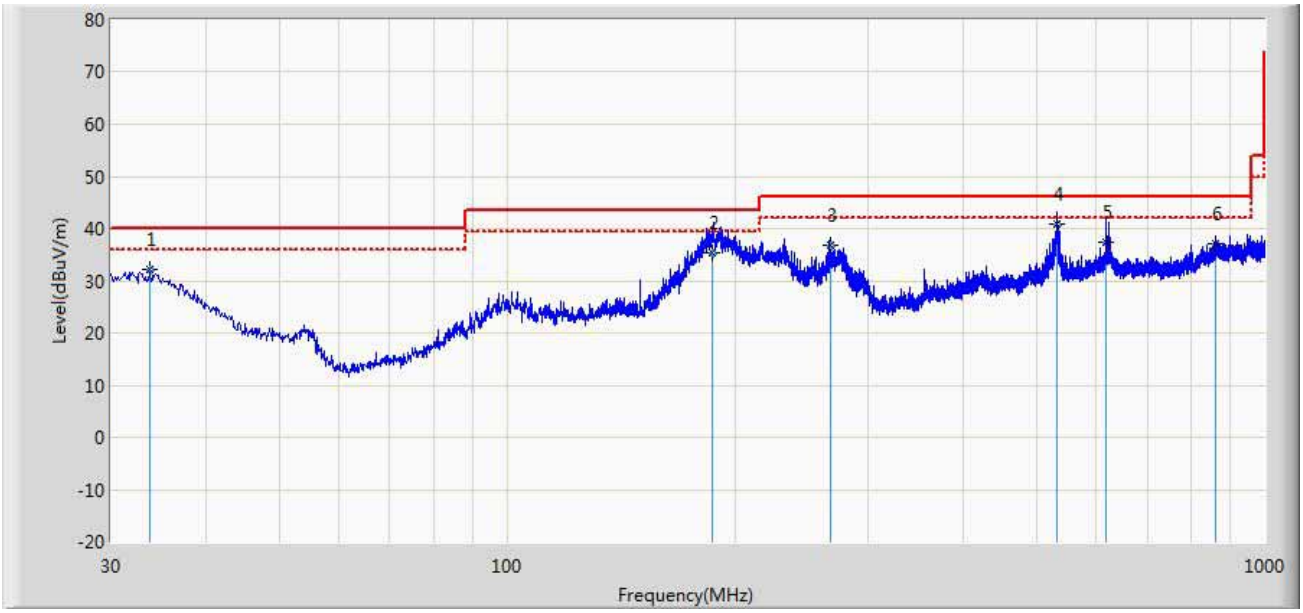
For class B, the measurement distance between the EUT and antenna is 3 meters.

The bandwidth below 1GHz setting on the field strength meter (R&S Test Receiver ESCS 30) is 120 kHz and above 1GHz is 1MHz.

The measurement is performed in the 667MHz processor.

4.5. Test Result

Site:CB7	Time: 2016/08/15
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 4
Probe: CB7_CBL6112_0726	Polarity: Horizontal
EUT: Notebook PC	Power: AC 120V/60Hz
Note: Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)	

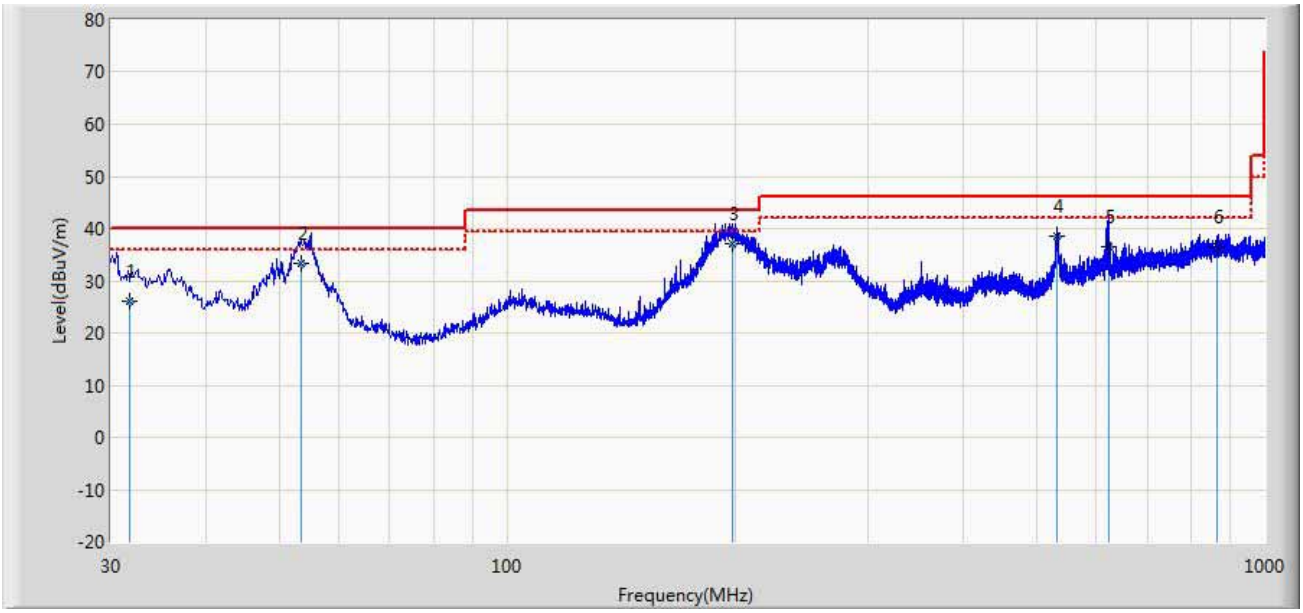


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		33.715	32.091	37.962	-7.909	40.000	16.646	0.630	23.147	100	127	QP
2		186.985	35.504	47.924	-7.996	43.500	9.230	1.480	23.130	200	77	QP
3		267.057	36.805	45.075	-9.195	46.000	13.183	1.754	23.206	100	343	QP
4	*	532.521	40.913	42.602	-5.087	46.000	18.580	2.501	22.770	200	28	QP
5		618.194	37.329	38.221	-8.671	46.000	19.000	2.724	22.616	200	225	QP
6		860.831	37.101	36.029	-8.899	46.000	20.422	3.230	22.580	200	126	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: CB7	Time: 2016/08/15
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 4
Probe: CB7_CBL6112_0726	Polarity: Vertical
EUT: Notebook PC	Power: AC 120V/60Hz
Note: Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)	

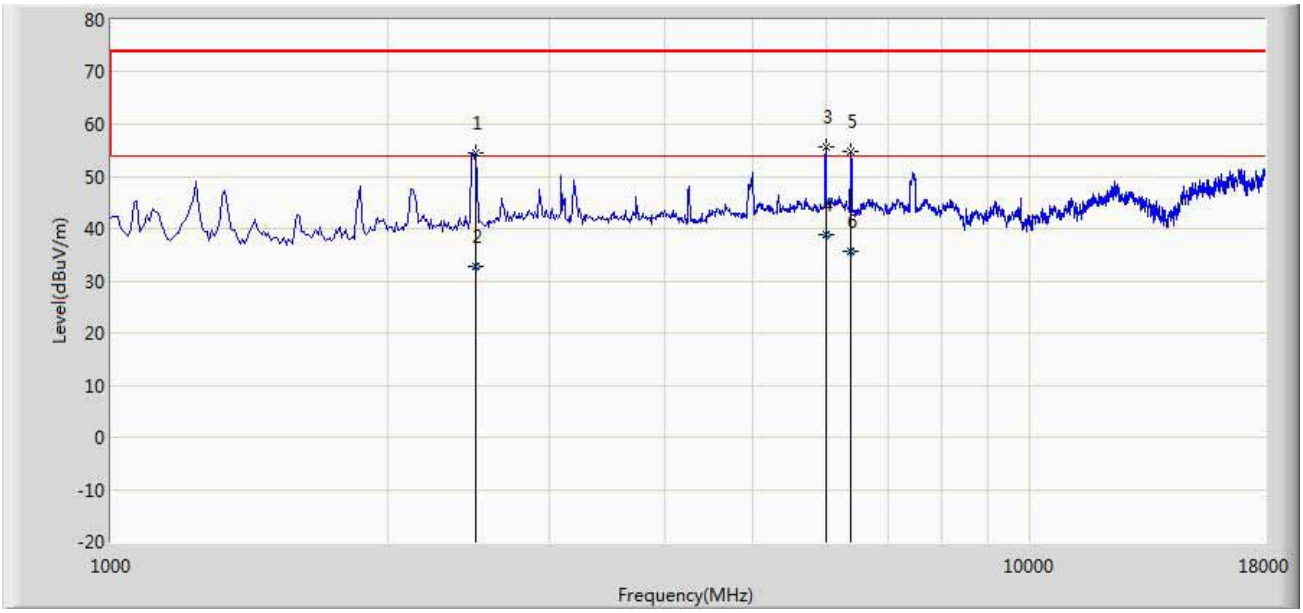


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		31.784	26.215	30.948	-13.785	40.000	17.765	0.618	23.117	200	309	QP
2		53.435	33.312	47.925	-6.688	40.000	7.616	0.792	23.020	100	189	QP
3	*	198.536	37.029	49.213	-6.471	43.500	9.456	1.530	23.170	100	157	QP
4		532.780	38.614	40.294	-7.386	46.000	18.587	2.503	22.770	100	17	QP
5		621.587	36.585	37.436	-9.415	46.000	19.000	2.730	22.581	100	254	QP
6		865.922	36.515	35.451	-9.485	46.000	20.432	3.240	22.608	100	245	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: AC5	Time: 2016/08/19
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Notebook PC	Power: AC 120V/60Hz
Note: Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)	

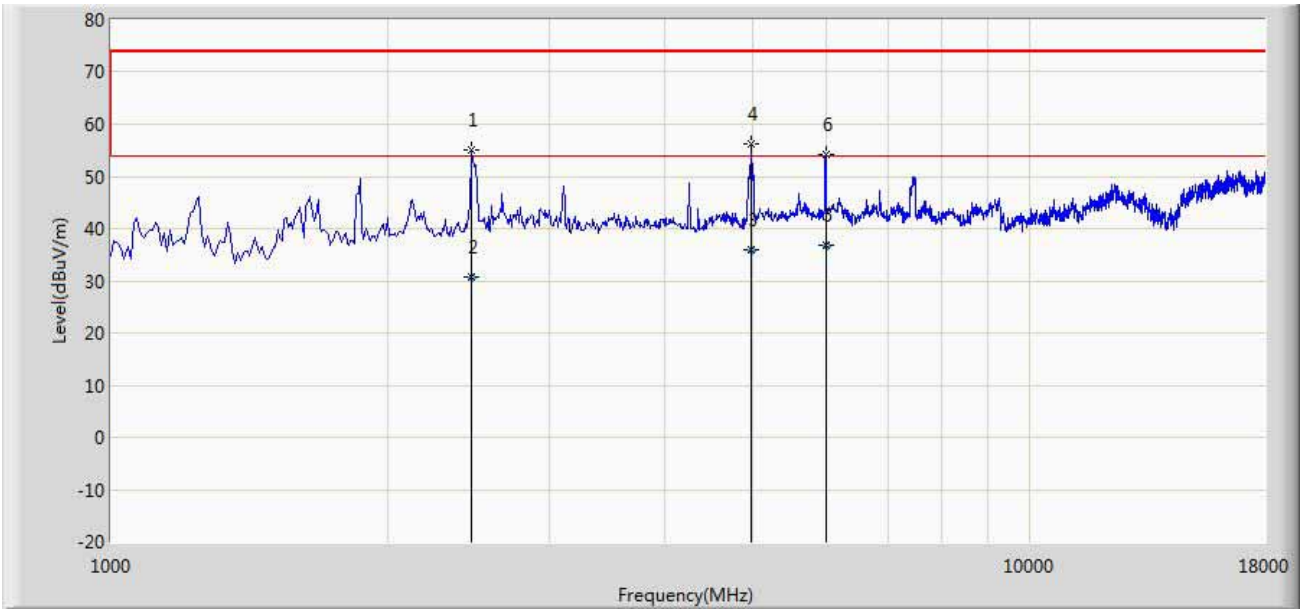


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		2496.000	54.580	54.007	-19.420	74.000	32.295	4.358	36.080	100	76	PK
2		2496.730	32.725	32.156	-21.275	54.000	32.296	4.348	36.074	100	76	AV
3		5998.000	55.518	46.742	-18.482	74.000	35.197	7.269	33.690	100	0	PK
4	*	5998.036	38.887	30.110	-15.113	54.000	35.197	7.270	33.690	100	0	AV
5		6380.500	54.761	45.181	-19.239	74.000	35.428	7.332	33.180	200	1	PK
6		6381.132	35.659	26.066	-18.341	54.000	35.428	7.335	33.170	200	1	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: AC5	Time: 2016/08/19
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Notebook PC	Power: AC 120V/60Hz
Note: Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		2470.500	54.967	54.403	-19.033	74.000	32.264	4.250	35.950	100	211	PK
2		2471.316	30.695	30.136	-23.305	54.000	32.266	4.238	35.944	100	211	AV
3		4976.928	35.971	29.311	-18.029	54.000	33.996	6.545	33.881	200	0	AV
4		4978.000	56.331	49.653	-17.669	74.000	33.996	6.552	33.870	200	0	PK
5	*	5997.933	36.913	28.136	-17.087	54.000	35.197	7.270	33.690	100	316	AV
6		5998.000	54.194	45.418	-19.806	74.000	35.197	7.269	33.690	100	316	PK

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

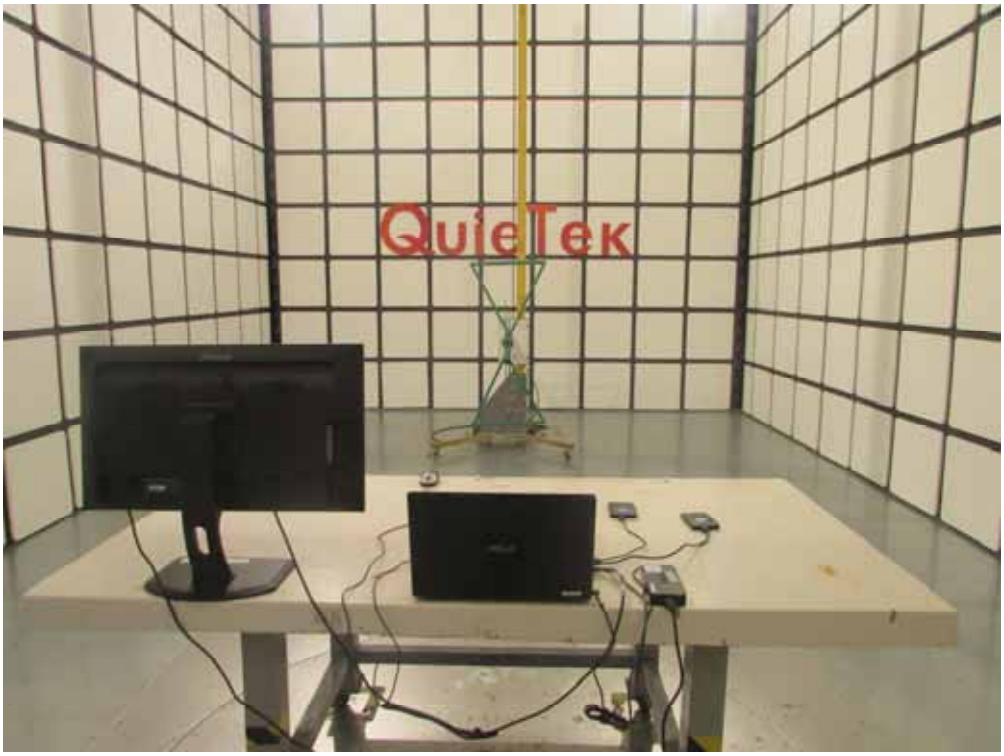
4.6. Test Photograph

Test Mode : Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)

Description : Front View of Radiated Test

Test Mode : Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)

Description : Back View of Radiated Test



Test Mode : Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)

Description : Front View of High Frequency Radiated Test

Test Mode : Mode 1: LCD(1366*768@60Hz)+HDMI(1366*768@60Hz)

Description : Back View of High Frequency Radiated Test

5. Attachment

➢ EUT Photograph

(1) EUT Photo

(2) EUT Photo

(3) EUT Photo

(4) EUT Photo

(5) EUT Photo

(6) EUT Photo

(7) EUT Photo


ASUS 型号: X550I
NOTEBOOK PC / 笔记本电脑
INPUT / 输入: +19V 6.32A,120W
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