Test Report of FCC Part 15 B for FCC Certificate

On Behalf of

SHENZHEN CHUANGDELI ELECTRONIC FACTORY

Product Description:	**Netbook**
Model No.:	**S10A, S10B, S12A, S12B**
FCC ID:	**XNV-S1XX**

Prepared for:	**SHENZHEN CHUANGDELI ELECTRONIC FACTORY** 2-4/F Hongchangyuan Ind. Bldg.,Yintian Ind. Zone, Xixiang Street, Bao'an, Shenzhen, Guangdong
Prepared by:	**Bontek Compliance Testing Laboratory Ltd** 1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, China Tel: 86-755-86337020 Fax: 86-755-86337028
Report No.:	BCT09GR-657E
Issue Date:	August 21, 2009
Test Date:	July 26~August 21, 2009

Test by: **Reviewed By:**

Kendy Wang

Tony Wu

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1 - GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant:	**SHENZHEN CHUANGDELI ELECTRONIC FACTORY**
Address of applicant:	2-4/F Hongchangyuan Ind. Bldg.,Yintian Ind. Zone, Xixiang Street, Bao'an, Shenzhen, Guangdong
Manufacturer:	**SHENZHEN CHUANGDELI ELECTRONIC FACTORY**
Address of manufacturer:	2-4/F Hongchangyuan Ind. Bldg.,Yintian Ind. Zone, Xixiang Street, Bao'an, Shenzhen, Guangdong

General Description of E.U.T

Items	Description
EUT Description:	Netbook
Trade Name:	N.A.
Model No.:	S10A
Supplementary Model No.:	S10B, S12A,S12B Note: S10B, S12A,S12B are different with S10A in some Parts such as HDD, Memory and color of the Netbook encloser.
Built-in WIFI Module Type:	802.11b/g RTL8187SE miniCard
Brand Name	Realtek
Model Name	RTL8187SE
FCC ID	TX2-RTL8187SE
Netbook Configure:	Specification
CPU	Intel Atom N270 1.6GHz 533MHz
Chipset	Mobile Intel ® i945GME+82801GHM(ICH7-M)
Memory	DDRII 1GB PC2-5300
HDD	SATA 160GB 5400
Optical Driver	none
Graphic	Intel ® GMA 950
Audio	Realtek HD Audio
LAN Adapter	Realtek RTL8139/810x Family Fast Ethernet
LCD	TFT LCD WXGA 1024x600
Camera	Digital Camera MegaPix
Rechargeable Battery	LI-iON 2200
Power Adapter	Input:100-240V 1.8A/Output:19V 3.42A
Ports/Sockets	USBx2/D-sub(VGA)/RJ-45/EarPhone&MIC

Adaptor Specification:	AC/DC Adapter: Model No.: SJ-1391920 Input: AC 100-240V 50/60Hz,Output: DC 19V 2A Length of AC Cable:1.5M, Unshielded, Without Core Length of DC Cable:1.5M, Unshielded, With Core

** The test data gathered are from the production sample provided by the manufacturer.*

1.2 Related Submittal(s) / Grant (s)

This submittal(s) is a test report based on the Electromagnetic Interference (EMI) tests performed on the EUT. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4 - 2003.

The tests were performed in order to determine compliance with FCC Part 15, Subpart B, section 15.107 and section 15.109 rules.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 - 2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz. Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Test Facility

All measurement required was performed at laboratory of Bontek Compliance Testing Laboratory Ltd at 1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, China

The test facility is recognized, certified, or accredited by the following organizations:

FCC – Registration No.: 338263

Bontek Compliance Testing Laboratory Ltd EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 338263, March 24, 2008.

IC Registration No.: 7631A

The 3m alternate test site of Bontek Compliance Testing Laboratory Ltd EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 7631A on March, 2008.

2. SYSTEM TEST CONFIGURATION

The tests documented in this report were performed in accordance with ANSI C63.4-2003 and FCC CFR 47 Part 15 Subpart B, section 15.107 and section 15.109..

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The calibrated antennas used to sample the radiated field strength are mounted on a non-conductive, motorized antenna mast 3 or 10 meters from the leading edge of the turntable.

2.3 General Test Procedures

Conducted Emissions: The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 7.1 of ANSI C63.4-2003.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak detector mode.

Radiated Emissions: The EUT is a placed on as turntable, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4-2003.

2.4 List of Measuring Equipments Used

Items	Equipment	Manufacturer	Model No.	Serial No.	Last Cal	Calibration Period
1	EMI Test Receiver	R&S	ESCI	100687	2009-2-22	1 Year
2	EMI Test Receiver	R&S	ESPI	100097	2009-2-22	1 Year
3	Amplifier	HP	8447D	1937A02492	2009-2-22	1 Year
4	3 phase Artificial Mains（L.I.S.N）	SCHWARZBECK	NSLK 8128	8128247	2009-3-31	1 Year
5	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9163	9163-324	2009-2-22	1 Year
6	Horn Antenna	SCHWARZBECK	BBHA9120A	D69250	2009-2-27	1 Year
7	High Field Biconical Antenna	ELECTRO-METRICS	EM-6913	166	2009-9-04	1 Year
8	Log Periodic Antenna	ELECTRO-METRICS	EM-6950	811	2009-9-04	1 Year
9	Remote Active Vertical Antenna	ELECTRO-METRICS	EM-6892	304	2009-9-04	1 Year
10	Power Clamp	SCHWARZBECK	MDS-21	3812	2009-2-22	1 Year

3. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
15.107	Disturbance Voltage at The Mains Terminals	Pass
15.109	Radiation Emission	Pass

4 - DISTURBANCE VOLTAGE AT THE MAINS TERMINALS

4.1 Limit of Disturbance Voltage at The Mains Terminals (Class B)

Frequency Range (MHz)	Limits (dBuV)	
	Quasi-Peak	Average
0.150～0.500	66～56	56～46
0.500～5.000	56	46
5.000～30.00	60	50

Note: (1)The tighter limit shall apply at the edge between two frequency bands.

4.2 EUT Setup

The setup of EUT is according with ANSI C63.4-2003 measurement procedure. The specification used was the FCC Rules and Regulations Part 15 Subpart B Section 15.107 Class B limits.

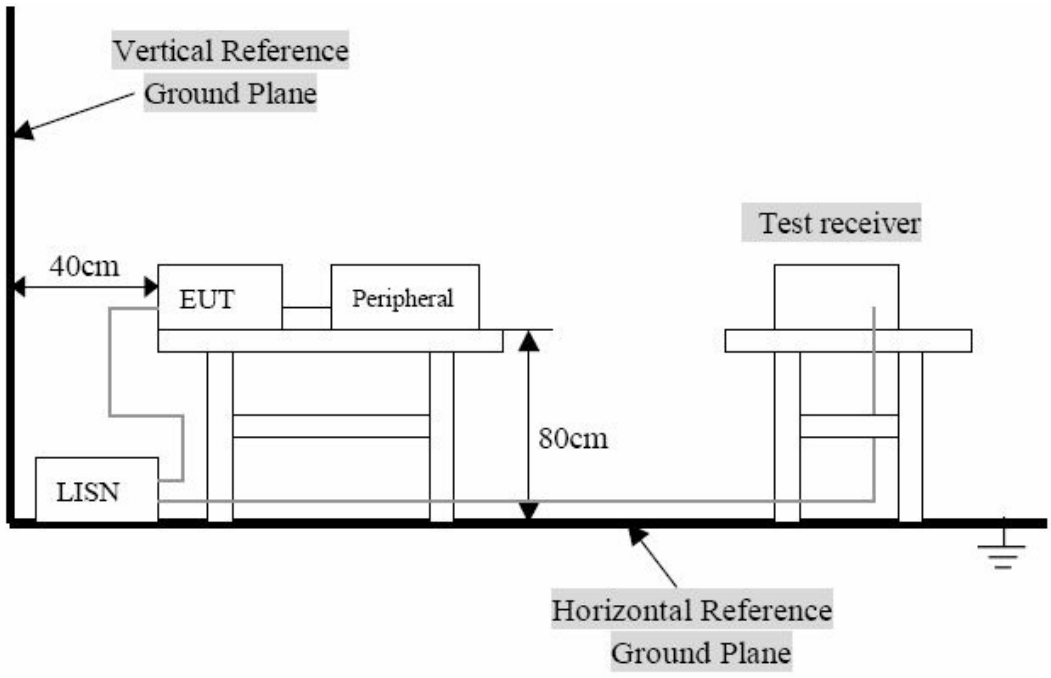
The EUT was placed center and the back edge of the test table.

The AV cables were draped along the test table and bundled to 30-40cm in the middle.

The spacing between the peripherals was 10 cm.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

4.3 Test Setup Diagram



4.4 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

Frequency Range……150 KHz to 30 MHz
Detector……..Peak & Quasi-Peak & Average
Sweep Speed……Auto
IF Band Width……..9 KHz

4.5 Test Procedure

During the conducted emission test, the EUT power cord was connected to the auxiliary outlet of the first Artificial Mains.

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All data was recorded in the peak detection mode. Quasi-peak and Average readings were only performed when an emission was found to be marginal (within -10 dBμV of specification limits). Quasi-peak readings are distinguished with a "**QP**". Average readings are distinguished with a "**Av**".

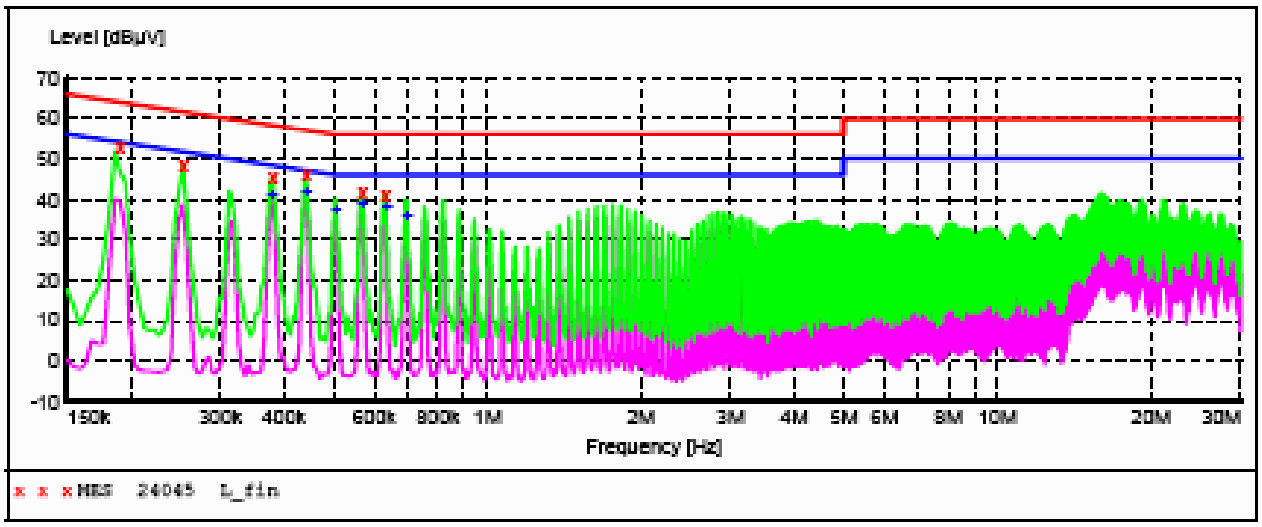
4.6 Disturbance Voltage Test Data

Temperature (℃) : 22~23	EUT: Netbook
Humidity (%RH): 50~54	M/N: S10A
Barometric Pressure (mbar): 950~1000	Operation Condition: Normal Operation/ Connect to PC

Remark: (1) When PK reading is less than relevant limit 20dB, the QP reading and AV reading will not be recorded.
(2) Where QP reading is less than relevant AV limit, the AV reading will not be measured

Conducted Emission Test Data

EUT:	Netbook M/N: S10A
Operating Condition:	Normal Operation
Test Site:	Shielded Room
Operator:	Yang
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Live Line
Start of Test:	07/28/09/ 17:14 Tem:24℃ Hum:55%



MEASUREMENT RESULT: "24045 L_fin"

7/28/2009 17:14

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.190500	52.70	10.9	64	11.3	QP	L1	GND
0.253500	48.20	10.7	62	13.4	QP	L1	GND
0.379500	45.80	10.4	58	12.5	QP	L1	GND
0.442500	46.10	10.3	57	10.9	QP	L1	GND
0.568500	41.50	10.2	56	14.5	QP	L1	GND
0.631500	41.40	10.2	56	14.6	QP	L1	GND

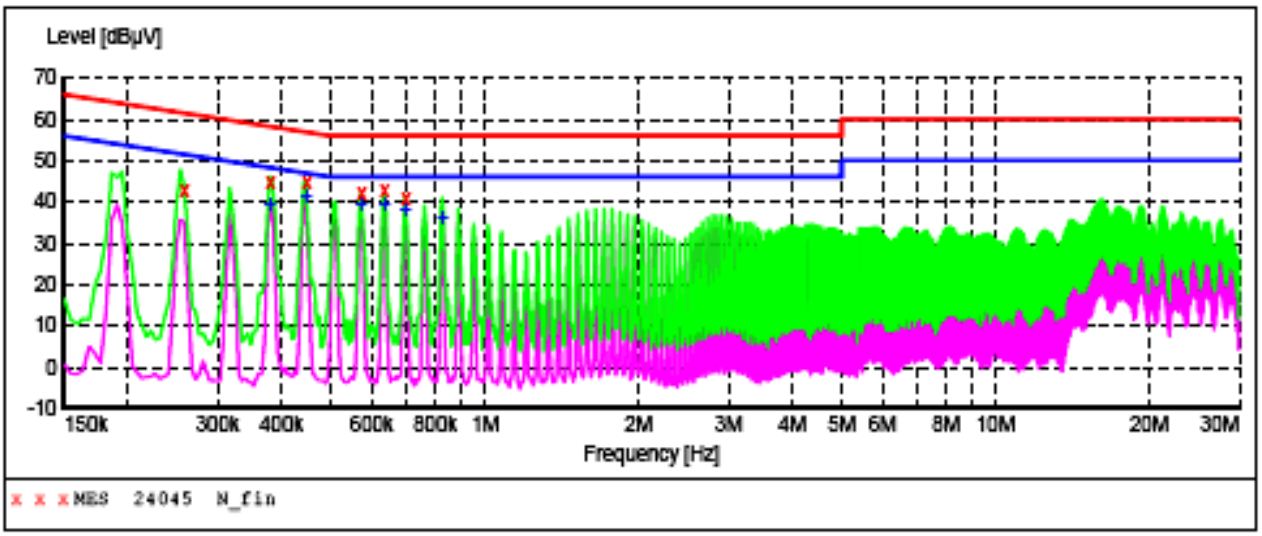
MEASUREMENT RESULT: "24045 L_fin2"

7/28/2009 17:14

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.379500	41.10	10.4	48	7.2	AV	L1	GND
0.442500	42.20	10.3	47	4.8	AV	L1	GND
0.505500	37.30	10.2	46	8.7	AV	L1	GND
0.568500	36.70	10.2	46	7.3	AV	L1	GND
0.636000	36.40	10.2	46	7.6	AV	L1	GND
0.694500	36.10	10.2	46	9.9	AV	L1	GND

Conducted Emission Test Data

EUT:	Netbook M/N: S10A
Operating Condition:	Normal Operation
Test Site:	Shielded Room
Operator:	Yang
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Neutral Line
Start of Test:	07/28/09/ 17:17 Tem:24℃ Hum:55%



MEASUREMENT RESULT: "24045 N_fin"

7/28/2009 17:17

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.258000	42.70	10.7	62	18.8	QP	N	GND
0.379500	44.90	10.4	58	13.4	QP	N	GND
0.447000	45.00	10.3	57	11.9	QP	N	GND
0.573000	42.30	10.2	56	13.7	QP	N	GND
0.636000	42.80	10.2	56	13.2	QP	N	GND
0.699000	41.00	10.2	56	15.0	QP	N	GND

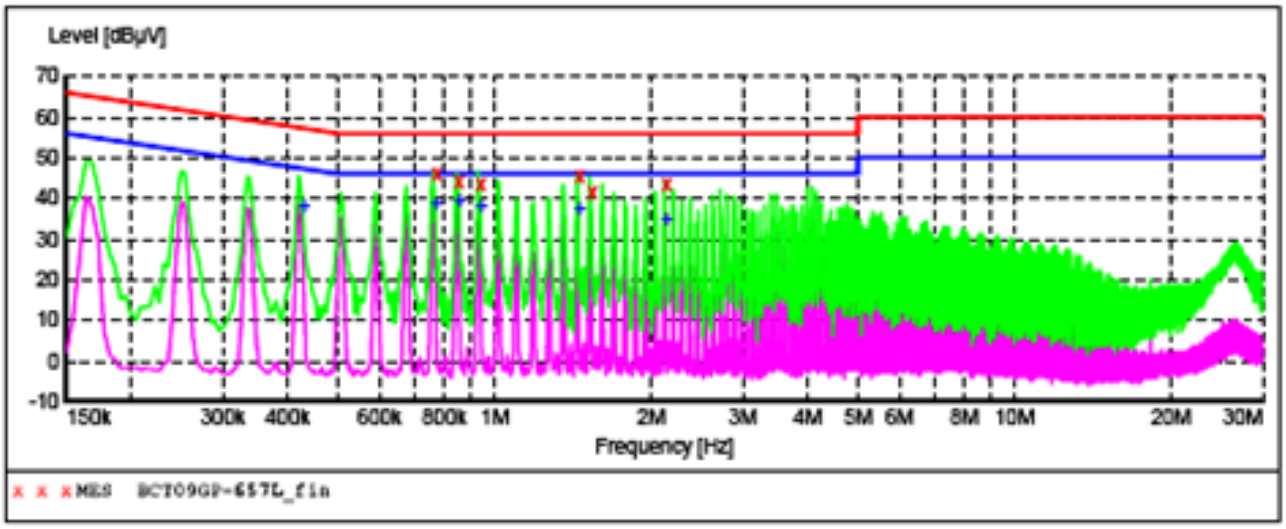
MEASUREMENT RESULT: "24045 N_fin2"

7/28/2009 17:17

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.379500	39.80	10.4	48	8.5	AV	N	GND
0.447000	41.30	10.3	47	5.6	AV	N	GND
0.573000	39.60	10.2	46	6.4	AV	N	GND
0.636000	39.90	10.2	46	6.1	AV	N	GND
0.699000	38.20	10.2	46	7.8	AV	N	GND
0.825000	36.60	10.2	46	9.4	AV	N	GND

Conducted Emission Test Data

EUT:	Netbook M/N: S10A
Operating Condition:	Connect to PC
Test Site:	Shielded Room
Operator:	Yang
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Live Line
Start of Test:	07/28/09/ 17:00 Tem:24℃ Hum:55%



MEASUREMENT RESULT: "BCT09GP-657L_fin"

7/28/2009 17:00

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.771000	45.80	10.2	56	10.2	QP	L1	GND
0.852000	44.40	10.2	56	11.6	QP	L1	GND
0.937500	43.40	10.2	56	12.6	QP	L1	GND
1.455000	45.50	10.2	56	10.5	QP	L1	GND
1.536000	41.80	10.2	56	14.2	QP	L1	GND
2.139000	43.60	10.2	56	12.4	QP	L1	GND

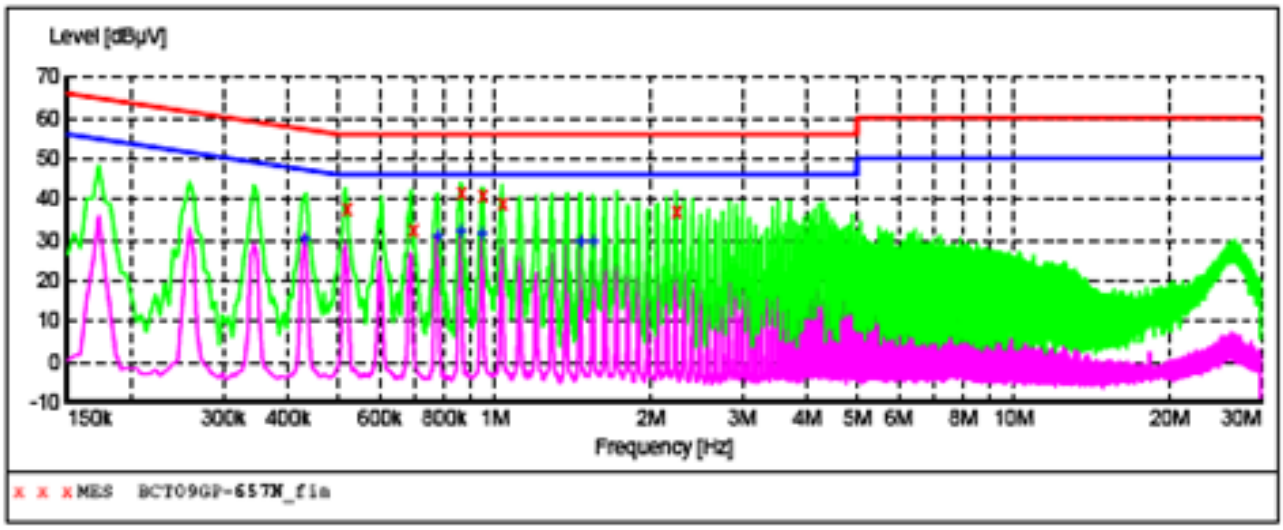
MEASUREMENT RESULT: "BCT09GP-657L_fin2"

7/28/2009 17:00

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.429000	38.00	10.3	47	9.3	AV	L1	GND
0.771000	38.90	10.2	46	7.1	AV	L1	GND
0.856500	39.40	10.2	46	6.6	AV	L1	GND
0.942000	38.60	10.2	46	7.4	AV	L1	GND
1.455000	37.70	10.2	46	8.3	AV	L1	GND
2.139000	34.90	10.2	46	11.1	AV	L1	GND

Conducted Emission Test Data

EUT:	Netbook M/N: S10A
Operating Condition:	Connect to PC
Test Site:	Shielded Room
Operator:	Yang
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Neutral Line
Start of Test:	07/28/09/ 17:04 Tem:24℃ Hum:55%



MEASUREMENT RESULT: "BCT09GP-657N_fin"

7/28/2009 17:04

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.519000	37.60	10.2	56	18.4	QP	N	GND
0.694500	32.30	10.2	56	23.7	QP	N	GND
0.861000	41.80	10.2	56	14.2	QP	N	GND
0.946500	41.00	10.2	56	15.0	QP	N	GND
1.032000	38.80	10.3	56	17.2	QP	N	GND
2.242500	37.00	10.2	56	19.0	QP	N	GND

MEASUREMENT RESULT: "BCT09GP-657N_fin2"

7/28/2009 17:04

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.429000	30.20	10.3	47	17.1	AV	N	GND
0.775500	31.40	10.2	46	14.6	AV	N	GND
0.861000	32.40	10.2	46	13.6	AV	N	GND
0.946500	31.70	10.2	46	14.3	AV	N	GND
1.464000	30.10	10.2	46	15.9	AV	N	GND
1.549500	29.70	10.2	46	16.3	AV	N	GND

5 - RADIATED DISTURBANCES

5.1 Limit of Radiated Disturbances (Class B)

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dBμV/m)
30 ~ 88	3	40
88~216	3	43.5
216 ~ 960	3	46
960 ~ 1000	3	54

Note: (1) The tighter limit shall apply at the edge between two frequency bands.
(2) Distance refers to the distance in meters between the test instrument antenna and the closest point of any part of the E.U.T.

5.2 EUT Setup

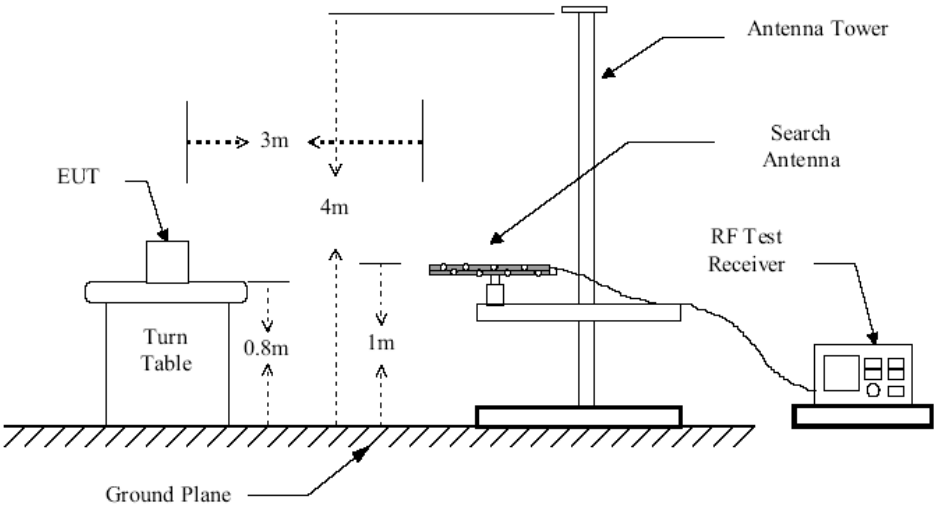


Figure 1 : Frequencies measured below 1 GHz configuration

5.3 EUT Setup

The radiated emission tests were performed in the in the 3-meter anechoic chamber, using the setup accordance with the ANSI C63.4-2003. The specification used was the FCC Part 15 Subpart B Section 15.109 limits.

The EUT was placed on the center of the test table.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

5.4 Test Receiver Setup

According to FCC Part 15 rule, the frequency was investigated from 30 to 1000 MHz. During the radiated emission test, the test receiver was set with the following configurations:

Test Receiver Setting:

Detector……..Peak & Quasi-Peak
IF Band Width……..120KHz
Frequency Range……..30MHz to 1000MHz
Turntable Rotated……0 to 360 degrees

Antenna Position:

Height……1m to 4m
Polarity……...Horizontal and Vertical

5.5 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the peak detection mode. Quasi-peak readings performed only when an emission was found to be marginal (within -10 dBμV of specification limits), and are distinguished with a "**QP**" in the data table.

5.6 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dBμV means the emission is 7dBμV below the maximum limit for Class B. The equation for margin calculation is as follows:

Margin = Corr. Ampl. –Class B Limit

5.7 Radiated Emissions Test Result

Temperature (℃) : 22~23	EUT: Netbook
Humidity (%RH): 50~54	M/N: S10A
Barometric Pressure (mbar): 950~1000	Operation Condition: Normal Operation/ Connect to PC

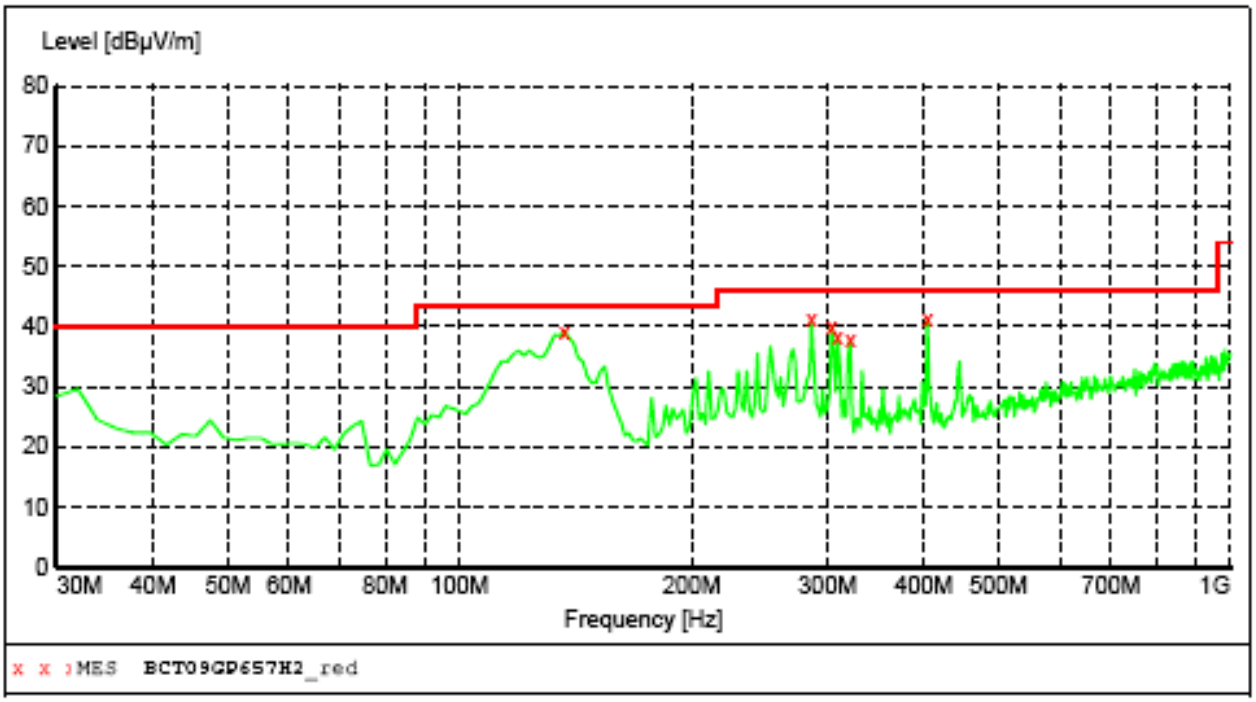
Remark: (1) When PK reading is less than relevant limit 20dB, the QP reading and AV reading will not be recorded.
(2) Where QP reading is less than relevant AV limit, the AV reading will not be measured

Radiated Emission Test Data of 30~1000M:

EUT:	Netbook M/N: S10A
Operating Condition:	Normal Operation
Test Site:	3m CHAMBER
Operator:	Chen
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Polarization: Horizontal
Start of Test:	07/21/09/ 20:50 Tem:25℃ Hum:50%

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer



MEASUREMENT RESULT: "BCT09GP657H2_red"

7/21/2009 20:50

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarisation
136.700000	39.30	14.1	43.5	4.2	QP	100.0	0.00	HORIZONTAL
286.080000	41.10	19.7	46.0	4.9	QP	100.0	0.00	HORIZONTAL
303.540000	40.10	20.2	46.0	5.9	QP	300.0	0.00	HORIZONTAL
309.360000	38.40	20.2	46.0	7.6	QP	300.0	0.00	HORIZONTAL
321.000000	37.70	20.3	46.0	8.3	QP	300.0	0.00	HORIZONTAL
404.420000	41.20	20.7	46.0	4.8	QP	100.0	0.00	HORIZONTAL

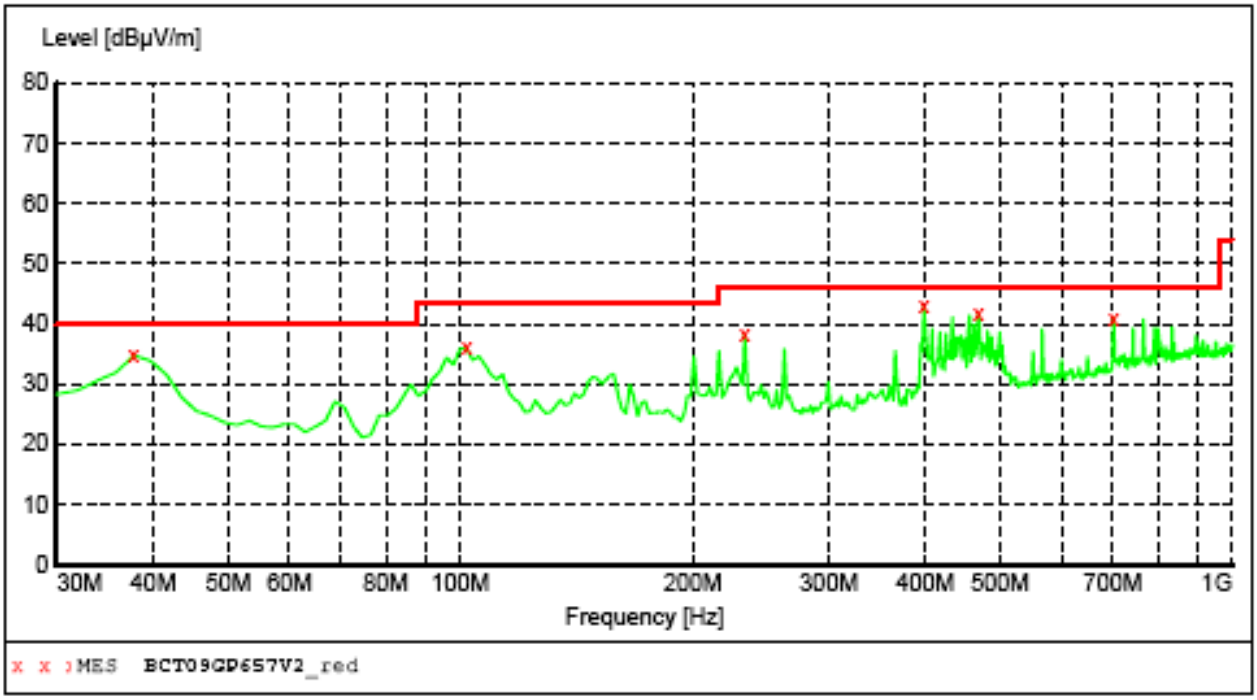
Radiated Emission Test Data of 30~1000M:

EUT:	Netbook M/N: S10A
Operating Condition:	Normal Operation
Test Site:	3m CHAMBER
Operator:	Chen
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Polarization: Vertical
Start of Test:	07/21/09/ 20:49 Tem:25℃ Hum:50%

SWEEP TABLE: "test (30M-1G)"

Short Description: Field Strength

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "BCT09GP657V2_red"

7/21/2009 20:49

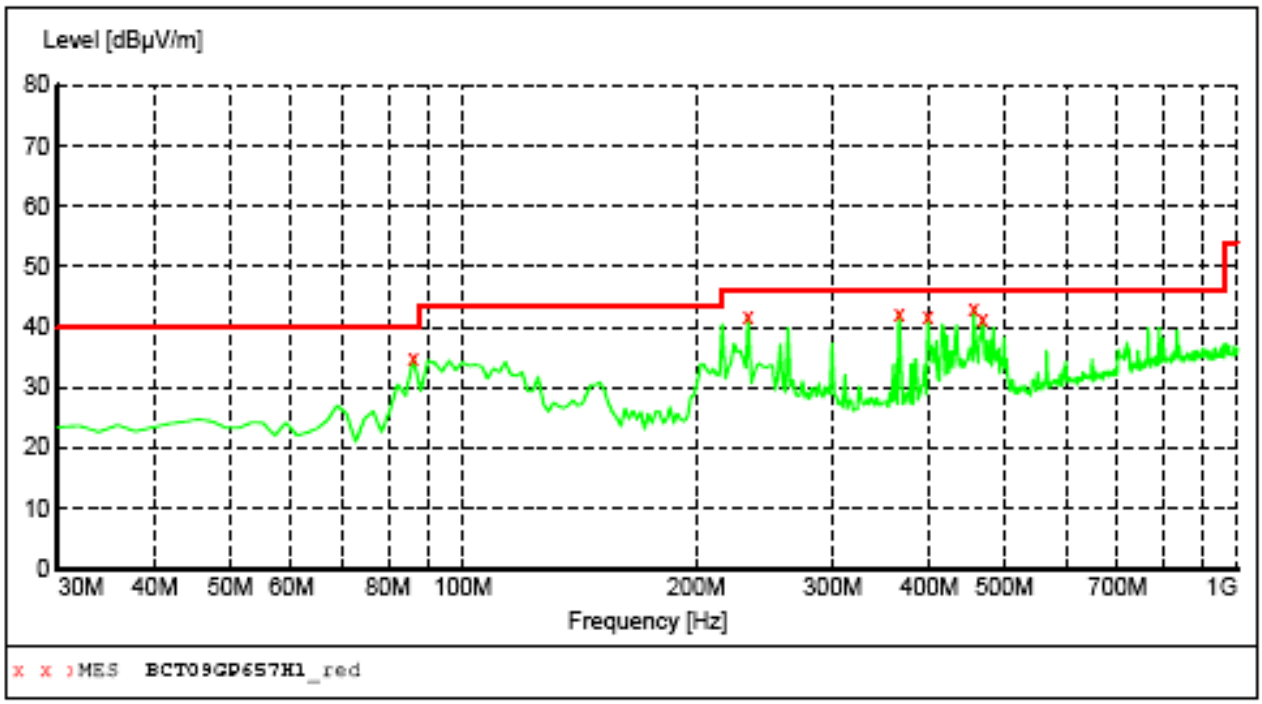
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarisation
37.700000	34.80	20.6	40.0	5.2	QP	100.0	0.00	VERTICAL
101.800000	36.10	20.6	43.5	7.4	QP	100.0	0.00	VERTICAL
233.700000	38.20	20.6	46.0	7.8	QP	100.0	0.00	VERTICAL
398.600000	42.90	20.6	46.0	3.1	QP	100.0	0.00	VERTICAL
468.440000	41.80	21.7	46.0	4.2	QP	100.0	0.00	VERTICAL
701.240000	41.10	26.7	46.0	4.9	QP	100.0	0.00	VERTICAL

Radiated Emission Test Data of 30~1000M:

EUT:	Netbook M/N: S10A
Operating Condition:	Connect to PC
Test Site:	3m CHAMBER
Operator:	Chen
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Polarization: Horizontal
Start of Test:	07/21/09/ 20:27 Tem:25℃ Hum:50%

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "BCT09GP657H1_red"

7/21/2009 20:27

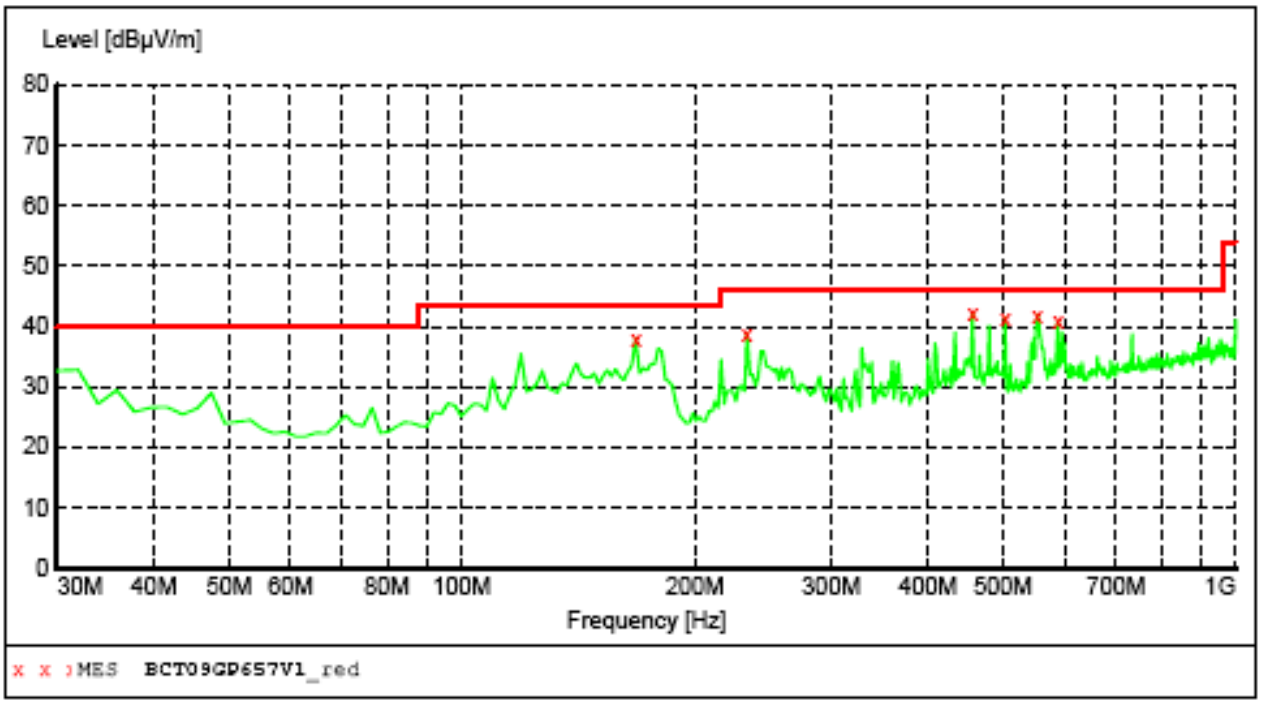
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
86.260000	34.90	15.7	40.0	5.1	QP	300.0	0.00	HORIZONTAL
233.700000	41.60	17.8	46.0	4.4	QP	100.0	0.00	HORIZONTAL
365.620000	42.40	20.8	46.0	3.6	QP	100.0	0.00	HORIZONTAL
398.600000	41.80	20.6	46.0	4.2	QP	300.0	0.00	HORIZONTAL
456.800000	43.00	21.5	46.0	3.0	QP	100.0	0.00	HORIZONTAL
468.440000	41.30	21.7	46.0	4.7	QP	100.0	0.00	HORIZONTAL

Radiated Emission Test Data of 30~1000M:

EUT:	Netbook M/N: S10A
Operating Condition:	Connect to PC
Test Site:	3m CHAMBER
Operator:	Chen
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Polarization: Vertical
Start of Test:	07/21/09/ 20:22 Tem:25℃ Hum:50%

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	VULB9163 NEW



MEASUREMENT RESULT: "BCT09GP657V1_red"

7/21/2009 20:22

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
167.740000	38.10	14.9	43.5	5.4	QP	100.0	0.00	VERTICAL
233.700000	38.70	21.5	46.0	7.3	QP	100.0	0.00	VERTICAL
456.800000	42.30	21.5	46.0	3.7	QP	100.0	0.00	VERTICAL
503.360000	41.40	22.8	46.0	4.6	QP	100.0	0.00	VERTICAL
553.800000	41.90	24.1	46.0	4.1	QP	100.0	0.00	VERTICAL
588.720000	40.80	25.0	46.0	5.2	QP	100.0	0.00	VERTICAL

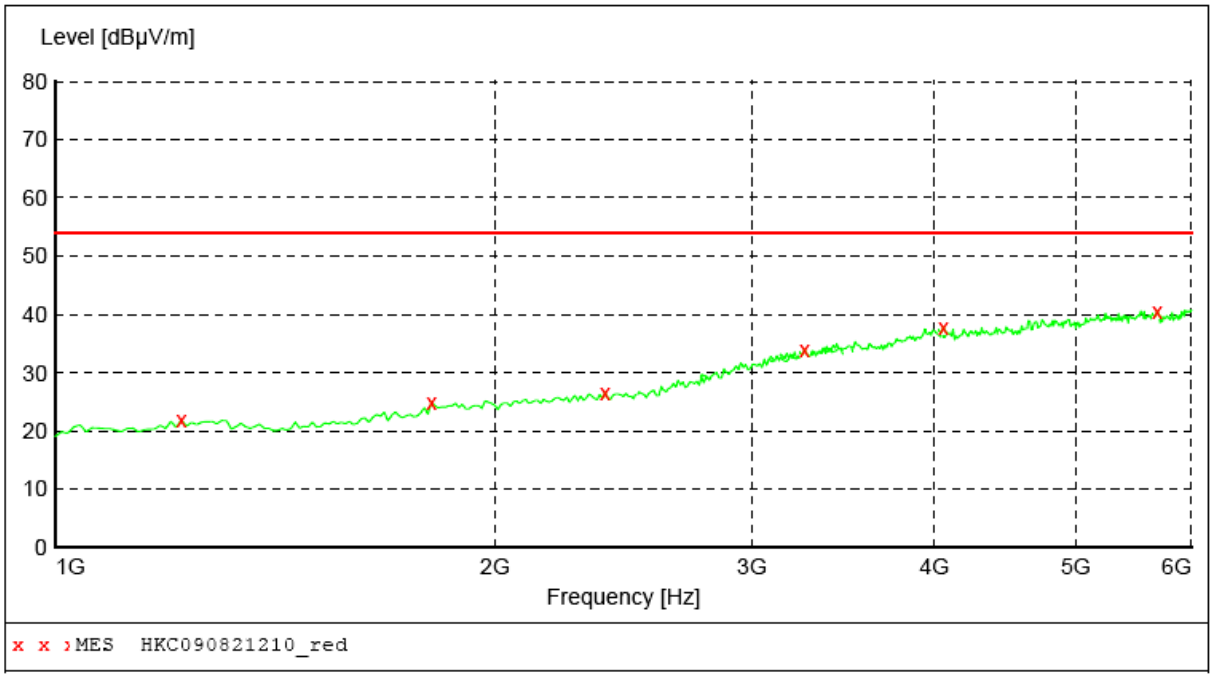
Radiated Emission Test Data of 1G~6G:

EUT:	Netbook M/N: S10A
Operating Condition:	Connect to PC
Test Site:	3m CHAMBER
Operator:	David
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Polarization: Vertical
Start of Test:	08/21/09/ 10:57 Tem:25℃ Hum:50%

SWEEP TABLE: "test (1G-18G) P"

Short Description: EN 55022 Field Strength

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer



MEASUREMENT RESULT: "HKC090821210_red"

8/21/2009 10:59

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1220.000000	21.90	-8.9	54.0	32.1	QP	100.0	0.00	VERTICAL
1810.000000	25.00	-6.1	54.0	29.0	QP	100.0	0.00	VERTICAL
2380.000000	26.60	-3.6	54.0	27.4	QP	100.0	0.00	VERTICAL
3260.000000	33.30	-0.4	54.0	20.7	QP	100.0	0.00	VERTICAL
4050.000000	37.30	2.1	54.0	16.7	QP	100.0	0.00	VERTICAL
5700.000000	40.00	6.0	54.0	14.0	QP	100.0	0.00	VERTICAL

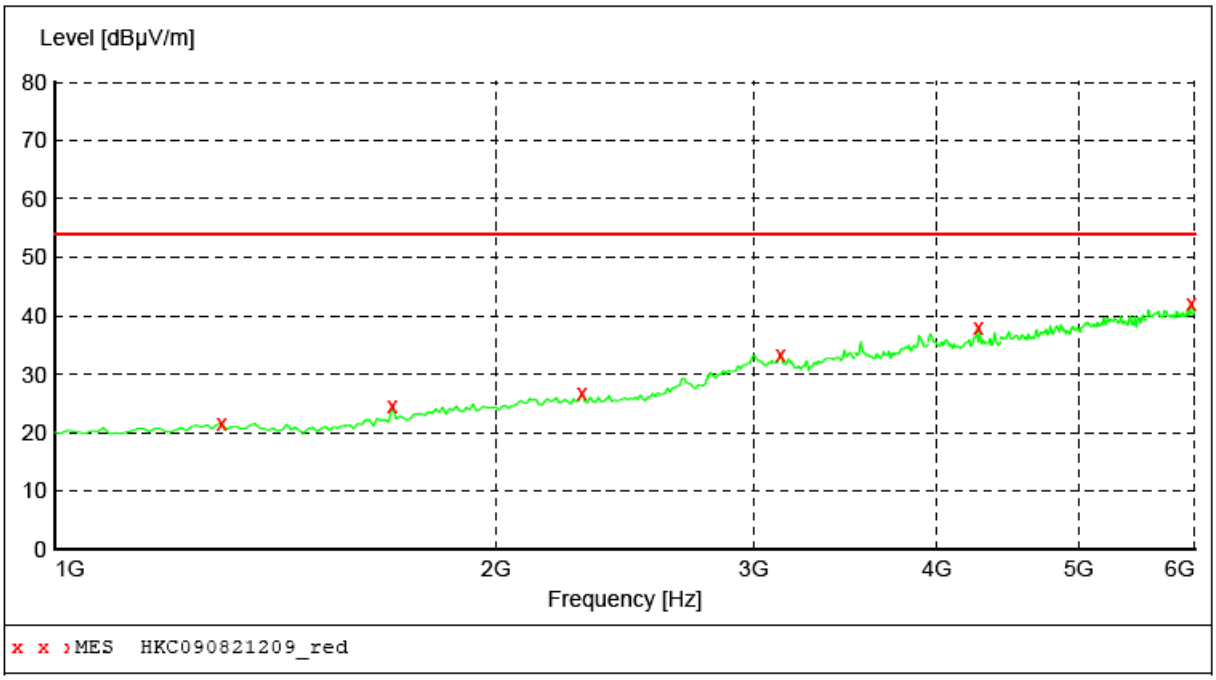
Radiated Emission Test Data of 1G~6G:

EUT:	Netbook M/N: S10A
Operating Condition:	Connect to PC
Test Site:	3m CHAMBER
Operator:	David
Test Specification:	AC 120V/60Hz for Adapter
Comment:	Polarization: Horizontal
Start of Test:	08/21/09/ 10:55 Tem:25℃ Hum:50%

SWEEP TABLE: "test (1G-18G) P"

Short Description: EN 55022 Field Strength

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer



MEASUREMENT RESULT: "HKC090821209_red"

8/21/2009 10:57

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
1300.000000	21.60	-8.6	54.0	32.4	QP	100.0	0.00	HORIZONTAL
1700.000000	24.60	-6.7	54.0	29.4	QP	100.0	0.00	HORIZONTAL
2290.000000	26.90	-3.9	54.0	27.1	QP	100.0	0.00	HORIZONTAL
3140.000000	32.10	-0.8	54.0	21.9	QP	100.0	0.00	HORIZONTAL
4280.000000	35.80	2.2	54.0	18.2	QP	100.0	0.00	HORIZONTAL
5960.000000	39.90	6.6	54.0	14.1	QP	100.0	0.00	HORIZONTAL