

# FCC-DOC COMPLIANCE REPORT

**Test Report No.** : EI/2009/40017  
**Applicant** : Elitegroup Computer System Co.,Ltd.  
**Address of Applicant** : No.239, Sec. 2, Tiding Blvd., Neihu District, Taipei City  
 11493, Taiwan (R.O.C.)  
**Manufacturer** : Uniwill Computer(SIP) Co., Ltd.  
**Address of Manufacturer** : Export Processing Zone No. 200, Central Suhong Road,  
 Suzhou Industrial Park Jiangsu 215021, P.R.China

## Equipment Under Test (EUT) :

**Name** : Notebook PC

**Brand Name** : ECS

**Model No.** : T10IL1 ; TXIYZ ( T= project code ; X=panel size + series name ; I= CPU/chip set ; Y=GPU solution ; Z=0~9 for ID + customer )

**Added Model(s)** : N/A

**Standards** : FCC Part 15:2006, Subpart B, Class B

**Date of Receipt** : May 21, 2009

**Date of Test** : May 21 ~ Jun. 08, 2009

**Date of Issue** : Jun. 12, 2009

<b>Test Result :</b>	<b>PASS</b>
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In the configuration tested, the EUT complied with the standards specified above.

### Remarks :

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report shall not be reproduced except in full, without the written approval of the laboratory. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

<b>Test By:</b>	<i>Wisely Huang</i>	<b>Date</b>	Jun. 12, 2009
	_____ <b>Wisely Huang(Engineer)</b>		
<b>Prepared By:</b>	<i>Jessie Li</i>	<b>Date</b>	Jun. 12, 2009
	_____ <b>Jessie Li(Clerk)</b>		
<b>Approved By</b>	<i>Victor Wen</i>	<b>Date</b>	Jun. 12, 2009
	_____ <b>Victor Wen(Assistant Manager)</b>		

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## 1. General Information

### 1.1 Applicant & Manufacturer Information

Applicant : Elitegroup Computer System Co.,Ltd.

Address of Applicant : No.239, Sec. 2, Tiding Blvd., Neihu District, Taipei City 11493,  
Taiwan (R.O.C.)

Manufacturer : Uniwill Computer(SIP) Co., Ltd.

Address of Manufacturer : Export Processing Zone No. 200,Central Suhong Road,  
Suzhou Industrial Park Jiangsu 215021, P.R.China

### 1.2 General Description of EUT

Name : Notebook PC

Brand Name : ECS

Model No. : T10IL1 ; TXIYZ ( T= project code ; X=panel size + series name ; I=  
CPU/chip set ; Y=GPU solution ; Z=0~9 for ID + customer )

Added Model(s) : N/A

Model Difference: N/A

### 1.3 Details of EUT

Tested Power Supply : 1. Model : DSA-30PFA-19 US 190158.(DVE)  
2. Model : ADP-40PH BB LPS.(DELTA)  
3. Model : APP-40PH AB LPS.(DELTA)  
4. Model : PA-1400-11.(LITEON)  
5. Model : PA-1400-12.(LITEON)  
Input : AC 100-240V/50-60Hz  
Output from adaptor : DC 19V /2.1A

Modes/Function : Full System, Please see the P.5~8

Worst case : Full System-Mode 12, Please see the P.5~8

### 1.4 Operation Procedure

1. Set down EUT with support units and turn on the power of all equipment.
2. Pre-test the EUT in all modes by each model, then figure the worst case out.
3. Tests under the normal operation pattern.

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### 1.5 Description of Support Units

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Notebook	IBM	R61	L3A9050	R33B65	N/A
2.	Notebook	IBM	T43	L3LKVL9	R33B65	N/A
3.	LCD Monitor	AOC	221Ph	E937JA001019	R33037	N/A
4.	LCD Monitor	HP	PE1233	N/A	N/A	N/A
5.	Earphone	Logitech	Clearchat Stereo	N/A	N/A	N/A
6.	Earphone	Stereo	N/A	N/A	N/A	N/A
7.	Mouse	HP	MO42KOA	0307012110	R41108	N/A
8.	iPod nano	APPLE	A1137	6U6025WCS2B	N/A	N/A
9.	MS Card	SONY	1G	N/A	N/A	N/A
10.	Flash disk	Transcend	V30/1G	N/A	N/A	N/A
11.	Printer	HP	DJ3820	CN34L181B1	3912H007	N/A
12.	AirPlus	DLINK	DWL-900AP+	BN1H132000118	91LP0423	N/A

### 1.6 Modification List

No modification by SGS Taiwan Electronics & Communication Laboratory.

### 1.7 Cable List

Cable Type	Length	Shield
1. Power cable	1.8m	Non-shielding
2. Output power (core near EUT)	1.8m	Non-shielding

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**Mode 10~13**

Test mode	10	11	12	13
ECS Model name	T10IL1	T10IL1	T10IL1	T10IL1
Main board	PCB MAIN BOARD FOR T10IL REV:B	PCB MAIN BOARD FOR T10IL REV:B	PCB MAIN BOARD FOR T10IL REV:B	PCB MAIN BOARD FOR T10IL REV:B
CPU	INTEL ATOM CPU (N270) 1.6G	INTEL ATOM CPU (N270) 1.6G	INTEL ATOM CPU (N270) 1.6G	INTEL ATOM CPU (N270) 1.6G
Chipset	Intel-Calistoga	Intel-Calistoga	Intel-Calistoga	Intel-Calistoga
Memory	DDR2 800 1GB M470T2864QZ3-CF7 SAM	DDR2 800 1GB M470T2864QZ3-CF7 SAM	DDR2 800 1GB M470T2864QZ3-CF7 SAM	DDR2 800 1GB M470T2864QZ3-CF7 SAM
VGA	Intel 945GSE	Intel 945GSE	Intel 945GSE	Intel 945GSE
Wireless LAN	HMC WLAN BGN 1X1 LIT(REA) WN6605LH 1ANT	HMC WLAN BGN 1X1 LIT(REA) WN6605LH 1ANT	HMC WLAN BGN 1X1 LIT(REA) WN6605LH 1ANT	HMC WLAN BGN 1X1 LIT(REA) WN6605LH 1ANT
WLAN antenna	JEM R330B1 T20 L400G2 T20	JEM R330B1 T20 L400G2 T20	JEM R330B1 T20 L400G2 T20	JEM R330B1 T20 L400G2 T20
3G	W/O	W/O	W/O	W/O
3G antenna	W/O	W/O	W/O	W/O
LCD	LCD 10.1" WSXGA HSD101PFW1-A00(B)(AG)LED	LCD 10.1" WSXGA HSD101PFW1-A00(B)(AG)LED	LCD 10.1" WSXGA HSD101PFW1-A00(B)(AG)LED	LCD 10.1" WSXGA HSD101PFW1-A00(B)(AG)LED
HDD	n HDD 120GB MK1235GSL 5400RPM 1.8" SATA Toshiba	n HDD 120GB MK1235GSL 5400RPM 1.8" SATA Toshiba	n HDD 120GB MK1235GSL 5400RPM 1.8" SATA Toshiba	n HDD 120GB MK1235GSL 5400RPM 1.8" SATA Toshiba
Card reader	4 in 1 Realtek RTS5159	4 in 1 Realtek RTS5159	4 in 1 Realtek RTS5159	4 in 1 Realtek RTS5159
Webcam	WEBCAM 1.3M CNF8161 CHICONY	WEBCAM 1.3M CNF8161 CHICONY	WEBCAM 1.3M CNF8161 CHICONY	WEBCAM 1.3M CNF8161 CHICONY
Bluetooth	BT MODULE WB111C-C1(TOSHIBA) LITEON LF	BT MODULE WB111C-C1(TOSHIBA) LITEON LF	BT MODULE WB111C-C1(TOSHIBA) LITEON LF	BT MODULE WB111C-C1(TOSHIBA) LITEON LF
Battery Pack	BAT T20 LI BMS 2S3P 3050mAh	BAT T20 LI BMS 2S3P 3050mAh	BAT T20 LI BMS 2S3P 3050mAh	BAT T20 LI BMS 2S3P 3050mAh
AC adapter	ADP 19V40W DELTAADP-40PH AB S1 225V	ADP 19V40W DELTAADP-40PH AB S1 225V	ADP 19V40W DELTAADP-40PH AB S1 225V	ADP 19V40W DELTAADP-40PH AB S1 225V
REMARK	SD Card BAT FULL Burn in test	MS Card BAT FULL Burin in test	MS Pro Card BAT FULL Burin in test	MS Pro Card BAT FULL EMC test

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**Mode 14 ~ 17**

Test mode	14	15	16	17
ECS Model name	T10IL1	T10IL1	T10IL1	T10IL1
Main board	PCB MAIN BOARD FOR T10IL REV:B	PCB MAIN BOARD FOR T10IL REV:B	PCB MAIN BOARD FOR T10IL REV:B	PCB MAIN BOARD FOR T10IL REV:B
CPU	INTEL ATOM CPU (N270) 1.6G	INTEL ATOM CPU (N270) 1.6G	INTEL ATOM CPU (N270) 1.6G	INTEL ATOM CPU (N270) 1.6G
Chipset	Intel-Calistoga	Intel-Calistoga	Intel-Calistoga	Intel-Calistoga
Memory	DDR2 800 1GB M470T2864QZ3-CF7 SAM	DDR2 800 1GB M470T2864QZ3-CF7 SAM	DDR2 800 1GB M470T2864QZ3-CF7 SAM	DDR2 800 1GB M470T2864QZ3-CF7 SAM
VGA	Intel 945GSE	Intel 945GSE	Intel 945GSE	Intel 945GSE
Wireless LAN	HMC WLAN BGN 1X1 LIT(REA) WN6605LH 1ANT	HMC WLAN BGN 1X1 LIT(REA) WN6605LH 1ANT	HMC WLAN BGN 1X1 LIT(REA) WN6605LH 1ANT	HMC WLAN BGN 1X1 LIT(REA) WN6605LH 1ANT
WLAN antenna	JEM R330B1 T20 L400G2 T20	JEM R330B1 T20 L400G2 T20	JEM R330B1 T20 L400G2 T20	JEM R330B1 T20 L400G2 T20
3G	W/O	W/O	W/O	W/O
3G antenna	W/O	W/O	W/O	W/O
LCD	LCD 10.1" WSXGA HSD101PFW1-A00(B)(AG)LED	LCD 10.1" WSXGA HSD101PFW1-A00(B)(AG)LED	LCD 10.1" WSXGA HSD101PFW1-A00(B)(AG)LED	LCD 10.1" WSXGA HSD101PFW1-A00(B)(AG)LED
HDD	n HDD 120GB MK1235GSL 5400RPM 1.8" SATA Toshiba	n HDD 120GB MK1235GSL 5400RPM 1.8" SATA Toshiba	n HDD 120GB MK1235GSL 5400RPM 1.8" SATA Toshiba	n HDD 120GB MK1235GSL 5400RPM 1.8" SATA Toshiba
Card reader	4 in 1 Realtek RTS5159	4 in 1 Realtek RTS5159	4 in 1 Realtek RTS5159	4 in 1 Realtek RTS5159
Webcam	WEBCAM 1.3M CNF8161 CHICONY	WEBCAM 1.3M CNF8161 CHICONY	WEBCAM 1.3M CNF8161 CHICONY	WEBCAM 1.3M CNF8161 CHICONY
Bluetooth	BT MODULE WB111C-C1(TOSHIBA) LITEON LF	BT MODULE WB111C-C1(TOSHIBA) LITEON LF	BT MODULE AZ-BT280(TOSHIBA) AZU LF	BT MODULE AZ-BT280(TOSHIBA) AZU LF
Battery Pack	BAT T20 LI BMS 2S3P 3050mAh	BAT T20 LI BMS 2S3P 3050mAh	BAT T20 LI BMS 2S3P 3050mAh	BAT T20 LI BMS 2S3P 3050mAh
AC adapter	ADP 19V40W DELTAADP-40PH AB S1 225V	ADP 19V40W DELTAADP-40PH AB S1 225V	ADP 19V40W LITEONPA-1400-11 S1 225V	ADP 19V40W DELTAADP-40PH AB S1 225V
REMARK	MS Pro Card BAT FULL EMC test	MS Pro Card BAT HALF EMC test	MS Pro Card BAT HALF EMC test	MS Pro Card BAT HALF EMC test

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**Mode 18~21**

Test mode	18	19	20	21
ECS Model name	T10IL1	T10IL1	T10IL1	T10IL1
Main board	PCB MAIN BOARD FOR T10IL REV:B	PCB MAIN BOARD FOR T10IL REV:B	PCB MAIN BOARD FOR T10IL REV:B	PCB MAIN BOARD FOR T10IL REV:B
CPU	INTEL ATOM CPU (N280) 1.66G	INTEL ATOM CPU (N270) 1.6G	INTEL ATOM CPU (N280) 1.66G	INTEL ATOM CPU (N270) 1.6G
Chipset	Intel-Calistoga	Intel-Calistoga	Intel-Calistoga	Intel-Calistoga
Memory	DDR2 800 1GB M470T2864QZ3-CF7 SAM	DDR2 800 2GB M470T5663QZ3-CF7 SAM	DDR2 800 2GB M470T5663QZ3-CF7 SAM	DDR2 800 1GB M470T2864QZ3-CF7 SAM
VGA	Intel 945GSE	Intel 945GSE	Intel 945GSE	Intel 945GSE
Wireless LAN	WN6602LH b/g/n 1X2(Realtek) two antennas	HMC WLAN BGN 1X1 AZU(REA) AW-NE107H 1ANT	HMC WLAN BGN 1X2 AZU(RAL) AW-NE104H 2ANT	WN6602LH b/g/n 1X2(Realtek) two antennas
WLAN antenna	JEM R330B1 T20 L400G2 T20	JEM R330B1 T20 L400G2 T20	SPT R330B1 T20 L400G2 T20	SPT R330B1 T20 L400G2 T20
3G	W/O	W/O	W/O	HMC HSUPA HUAWEI EM775
3G antenna	W/O	W/O	W/O	SPT 3G R460B1 T20IL LF 3G L340G2 T20IL LF
LCD	LCD 10.1"WSVGA CLAA101NA0ACN(A)(AG) CPT	LCD 10.1" WSXGA HSD101PFW1-A00(B)(AG)LED	LCD 10.1"WSVGA CLAA101NA0ACN(B)(AG) CPT	LCD 10.1" WSXGA HSD101PFW1-A00(A)(AG)LED
HDD	HDD 60GB HS06VHF 5400RPM 1.8" SATA SAM	n HDD 120GB MK1235GSL 5400RPM 1.8" SATA Toshiba	HDD 60GB HS06VHF 5400RPM 1.8" SATA SAM	SSD Sandisk 32G
Card reader	4 in 1 Realtek RTS5159	4 in 1 Realtek RTS5159	4 in 1 Realtek RTS5159	4 in 1 Realtek RTS5159
Webcam	CAMERA 2.0M 8024 SMP	CAMERA MODULE 2.0M CNF8237 CHICONY	CAMERA 1.3M 9005 SMP	WEBCAM 1.3M CNF8161 CHICONY
Bluetooth	BT MODULE AZ-BT280(TOSHIBA) AZU LF	BT MODULE AZ-BT280(TOSHIBA) AZU LF	BT MODULE AZ-BT280(TOSHIBA) AZU LF	BT MODULE WB111C-C1(TOSHIBA) LITEON LF
Battery Pack	BAT T10 LI SMP 2S2P COS 3.4AH S1 D	BAT T10 LI SMP 2S2P COS 3.4AH S1 D	BAT T10 LI SMP 2S2P COS 3.4AH S1 D	BAT T10 LI BMS 2S2P YOK 3.4AH S1 D
AC adapter	ADP 19V40W DELTAADP-40PH AB S1 225V	ADP 19V30W DVEDSA-30PFA-19US S1 225 WH	ADP 19V30W DVEDSA-30PFA-19US S1 225 WH	ADP 19V40W DELTAADP-40PH AB S1 225V
REMARK	MS Pro Card BAT HALF EMC test	MS Pro Card BAT HALF EMC test	MS Pro Card BAT HALF EMC test	MS Pro Card BAT HALF EMC test

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**Mode 22~23**

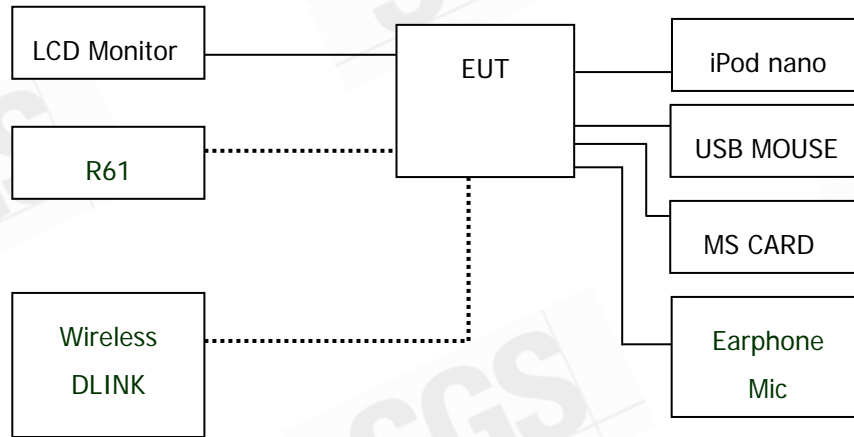
Test mode	22	23
ECS Model name	T10IL1	T10IL1
Main board	PCB MAIN BOARD FOR T10IL REV:B	PCB MAIN BOARD FOR T10IL REV:B
CPU	INTEL ATOM CPU (N270) 1.6G	INTEL ATOM CPU (N270) 1.6G
Chipset	Intel-Calistoga	Intel-Calistoga
Memory	DDR2 800 1GB M470T2864QZ3-CF7 SAM	DDR2 800 1GB M470T2864QZ3-CF7 SAM
VGA	Intel 945GSE	Intel 945GSE
Wireless LAN	WN6602LH b/g/n 1X2(Realtek) two antennas	WN6602LH b/g/n 1X2(Realtek) two antennas
WLAN antenna	SPT R330B1 T20 L400G2 T20	SPT R330B1 T20 L400G2 T20
3G	HMC HSUPA HUAWEI EM775	HMC HSUPA HUAWEI EM775
3G antenna	SPT 3G R460B1 T20IL LF 3G L340G2 T20IL LF	SPT 3G R460B1 T20IL LF 3G L340G2 T20IL LF
LCD	LCD 10.1"WSVGA CPT-CLAA101NB01(1024*600)	HSD101PFW2-B01(A)(AG)LED 30PIN
HDD	SSD Sandisk 16G	SSD Sandisk 8G
Card reader	4 in 1 Realtek RTS5159	4 in 1 Realtek RTS5159
Webcam	WEBCAM 1.3M CNF8161 CHICONY	WEBCAM 1.3M CNF8161 CHICONY
Bluetooth	BT MODULE WB111C-C1(TOSHIBA) LITEON LF	BT MODULE WB111C-C1(TOSHIBA) LITEON LF
Battery Pack	BAT T10 LI BMS 2S2P YOK 3.4AH S1 D	BAT T10 LI BMS 2S2P YOK 3.4AH S1 D
AC adapter	ADP 19V40W DELTAADP-40PH BB LPS 225V	ADP 19V40W LITEON PA-1400-12 S1 225V
REMARK	MS Pro Card BAT HALF EMC test	MS Pro Card BAT HALF EMC test

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## 1.8 Test Set-Up Configuration



## 1.9 Measurement Procedure

Conducted Emission Testing was performed according ANSI C63.4:2003 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.

Radiated Emission Testing was performed according to ANSI C63.4:2003 at the open field test site. The EUT was placed in a 0.8m high table along with the peripherals. The turn table was separated from the antenna distance 10meters. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for maximum.

The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities. Reported are maximized emission levels.

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### 1.10 Standards Applicable for Testing

Table of tests to be carried out under FCC Part 15, Subpart B

Test Standards	Status
FCC Part 15, Subpart B	Applicable
Deviation from Standard	No Deviation

### 1.11 Summary of Results

Highest Emission					
Standard	Test Type	Result	Phase/Polar.	Frequency(MHz)	Margin(dB)
FCC Part 15 Subpart B Class B/CISPR 22	Conducted Emission	PASS	Line (mode 12)	0.4206	-17.79(AVG)
			Neutral (mode 12)	0.1948	-113.66(QP)
	Radiated Emission	PASS	Ver.	211.0000	-1.64(QP)

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## 2. Radio Disturbance

### 2.1 Test Results

	Results
Conducted Emission	<b>Pass</b>
Radiated Emission	<b>Pass</b>

### 2.2 Frequency Range

Conducted Emission : 150 kHz - 30 MHz

Radiated Emission : 30 MHz - 1000 MHz

### 2.3 Limits Of Conducted And Radiated Emission

#### 2.3.1 Limit Of Conducted Emission Of FCC Part 15, Subpart B/CISPR 22

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi - peak	Average	Quasi - peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note : (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected there to, shall not exceed the level of field strengths specified above.

### 2.3.2 Limit Of Radiated Emissions Of FCC Part 15, Subpart B/CISPR 22

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 10m)
	dBuV/m	dBuV/m
30-230	40	30
230-1000	47	37

#### Limits above 1 GHz

#### Limits for radiated disturbance of Class A ITE at a measurement distance of 3m

Frequency range GHz	Average Limit dB(μV/m)	Peak Limit dB(μV/m)
1 to 3	56	76
3 to 6	60	80

Note : The lower limit applies at the transition frequency.

#### Limits for radiated disturbance of Class B ITE at a measurement distance of 3m

Frequency range GHz	Average Limit dB(μV/m)	Peak Limit dB(μV/m)
1 to 3	50	70
3 to 6	54	76

Note : The lower limit applies at the transition frequency.

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## 2.4. Test of Conducted Emission

### 2.4.1 Test Equipments

Description	Manufacturer	Model No.	Serial No.	Date of Calibration
EMI Test Receiver	ROHDE&SCHWARZ	ESCS 30	828985/004	Sep. 16, 2008
Coaxial Cables	N/A	WK CE Cable	N/A	Nov. 29, 2008
L.I.S.N	Rolf-Heine	NNB-2/16Z	99012	Feb. 02, 2009
L.I.S.N	FCC	FCC-LISN-50/250-25-2-01	04034	Feb. 02, 2009

### 2.4.2 Test Site

SGS Taiwan LTD. Electronics & Communication Laboratory  
 No.134, Wu Kung Road. Wuku Industrial Zone, Taipei County 248, Taiwan (R.O.C.)

### 2.4.3 Operating Environment

Temperature : 24 degree C

Humidity : 60 %RH

Atmospheric Pressure : 994 mBar

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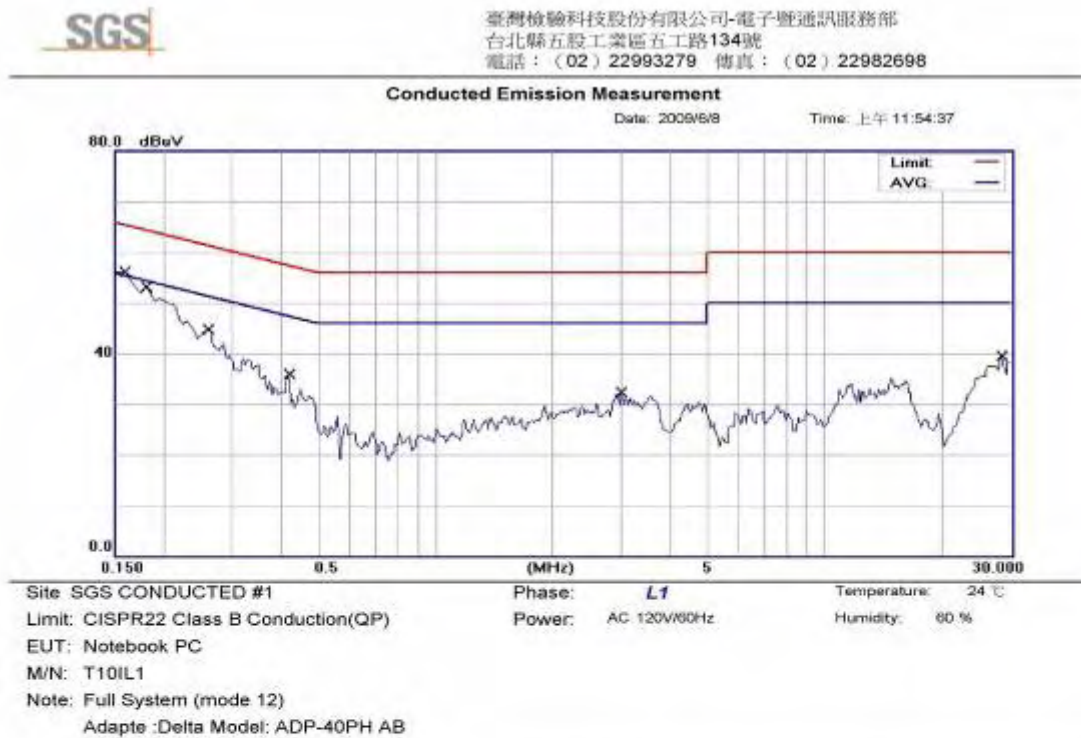
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## 2.4.4 Measurement Data

### LITEON Adaptor

L:



No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1602	47.40	0.09	47.49	65.45	-17.96	QP	
2		0.1602	28.20	0.09	28.29	55.45	-27.16	AVG	
3		0.1805	44.80	0.08	44.88	64.46	-19.58	QP	
4		0.1805	24.50	0.08	24.58	54.46	-29.88	AVG	
5		0.2602	38.90	0.06	38.96	61.43	-22.47	QP	
6		0.2602	25.40	0.06	25.46	51.43	-25.97	AVG	
7		0.4206	31.70	0.05	31.75	57.44	-25.69	QP	
8	*	0.4206	29.60	0.05	29.65	47.44	-17.79	AVG	
9		3.0132	25.60	0.10	25.70	56.00	-30.30	QP	
10		3.0132	15.60	0.10	15.70	46.00	-30.30	AVG	
11		28.5402	34.00	0.23	34.23	60.00	-25.77	QP	
12		28.5402	28.00	0.23	28.23	50.00	-21.77	AVG	

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N:



No.	Mk.	Freq. MHz	Reading Level dBuV	Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1505	48.70	0.10	48.80	65.97	-17.17	QP	
2		0.1505	25.00	0.10	25.10	55.97	-30.87	AVG	
3	*	0.1948	50.10	0.07	50.17	63.83	-13.66	QP	
4		0.1948	31.30	0.07	31.37	53.83	-22.46	AVG	
5		0.2675	39.20	0.06	39.26	61.20	-21.94	QP	
6		0.2675	24.50	0.06	24.56	51.20	-26.64	AVG	
7		0.4185	34.50	0.05	34.55	57.48	-22.93	QP	
8		0.4185	31.80	0.05	31.85	47.48	-15.63	AVG	
9		3.0415	23.50	0.10	23.60	56.00	-32.40	QP	
10		3.0415	11.40	0.10	11.50	46.00	-34.50	AVG	
11		14.7005	32.50	0.30	32.80	60.00	-27.20	QP	
12		14.7005	27.90	0.30	28.20	50.00	-21.80	AVG	

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## 2.5 Test of Radiated Emission

### 2.5.1 Test Instruments

Description	Manufacturer	Model No.	Serial No.	Date of Calibration
EMI Test Receiver	ROHDE&SCHWARZ	ESCI	100335	Feb. 05, 2009
RF-Amplifier	Agilent	8447D	2944A09469	Nov. 29, 2008
Broadband Antenna	SCHWAZBECK	VULB9160	9160-3224	Mar. 03, 2009
Coaxial Cables	N/A	OS RE Cable	N/A	Nov. 29, 2008
Antenna Master	HD GmbH	MA 240	240/515	N/A
Turn Table	HD GmbH	DT420	420/542	N/A
Controller	HD GmbH	HD 100	100/589	N/A

1G~6G

Description	Manufacturer	Model No.	Serial No.	Date of Calibration
EMI Test Receiver	ROHDE&SCHWARZ	ESCS 30	828985/004	Sep. 16, 2008
Spectrum Analyzer	ROHDE&SCHWARZ	FSP 40	100034	Feb. 12, 2009
Broadband Antenna	SCHWAZBECK	VULB9160	3136	Nov. 20, 2008
RF-Amplifier	Agilent	8447D	1937A02834	Nov. 29, 2008
Antenna Master	HD GmbH	MA240-N	240/657	N/A
Turn Table	HD GmbH	DS420	420/542	N/A
Controller	HD GmbH	HD 100	100/803	N/A
CCD Video Camera System	N/A	VCS-04	N/A	N/A
Color Monitor	N/A	CM-314DH	N/A	N/A

### 2.5.2 Test Site

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 No. 29, Pau-Tou-Tsuo Valley, Chia-Pau Tsuen, Linkou Hsiang, Taipei County 244,  
 Taiwan (R.O.C.)

SGS Taiwan LTD. Electronics & Communication Laboratory  
 No.134, Wu Kung Road. Wuku Industrial Zone, Taipei County 248, Taiwan (R.O.C.)

### 2.5.3 Operating Environment

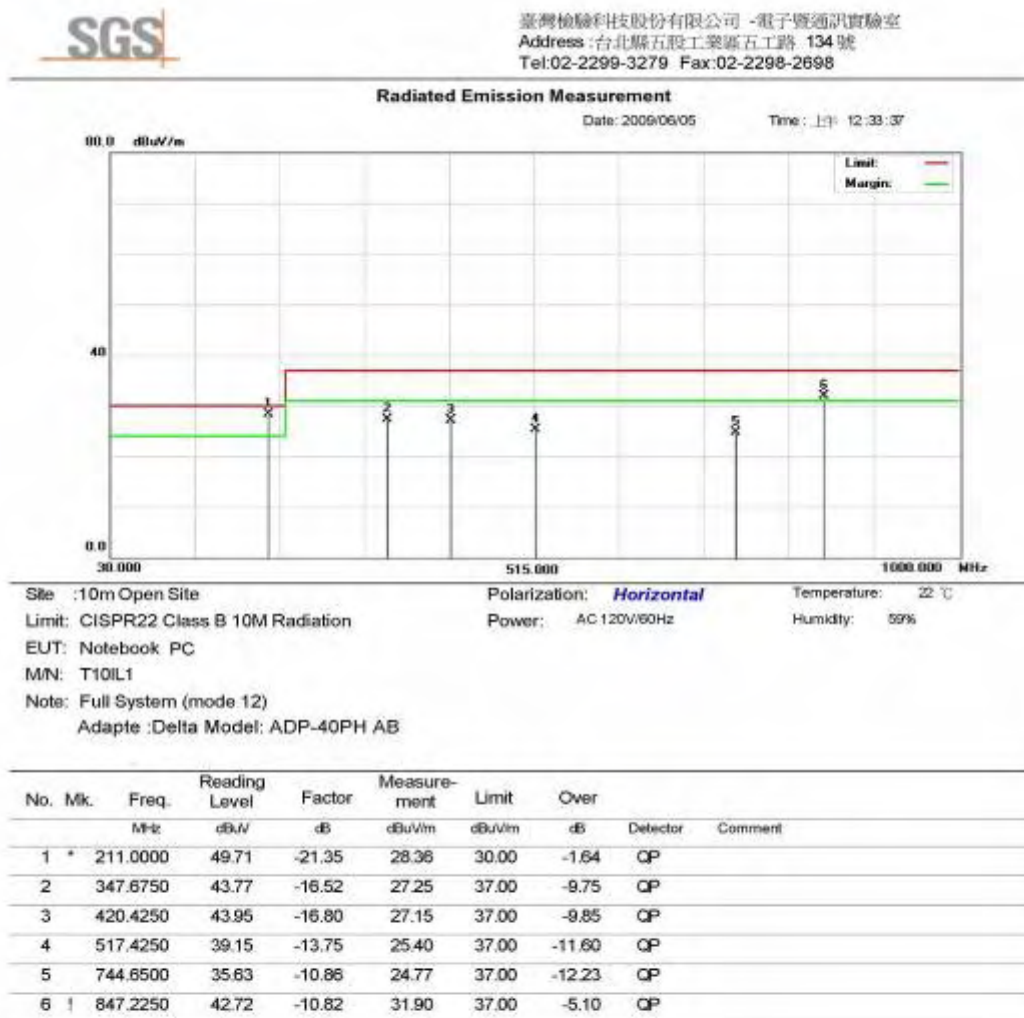
Temperature : 22 degree C      Humidity : 59 %RH  
 Atmospheric Pressure : 997 mBar

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## 2.5.4 Measurement Data

### Full System Below 1GHz Horizontal

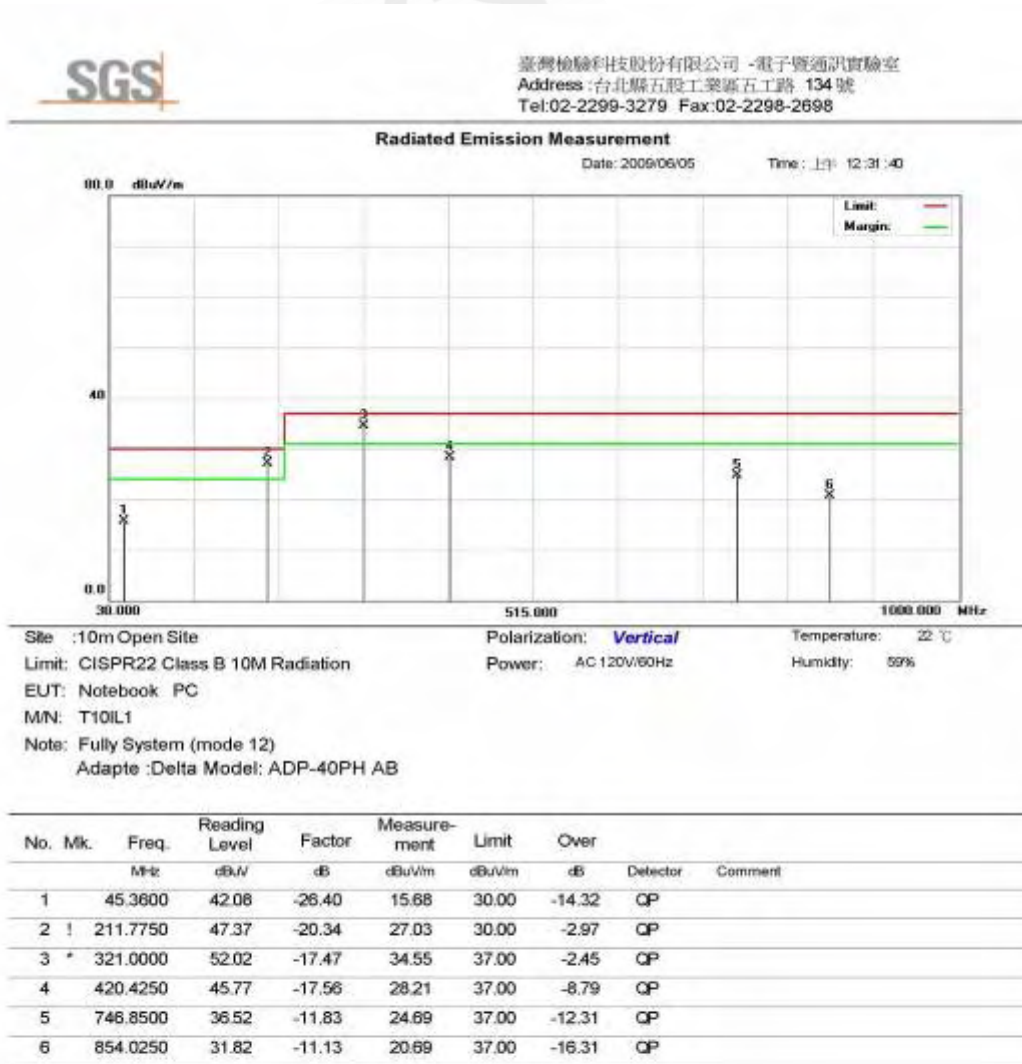


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Vertical



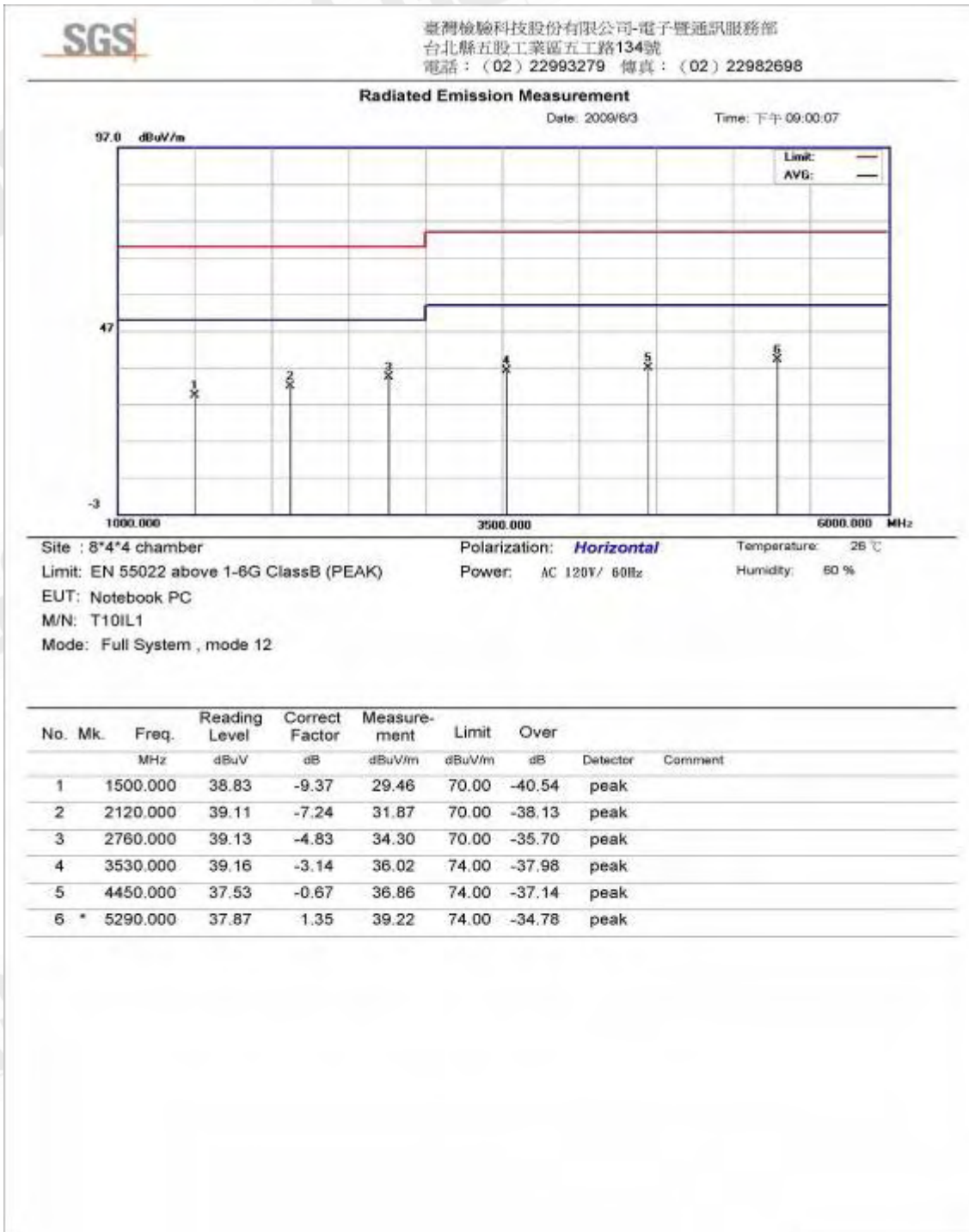
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## Full System 1G~6G

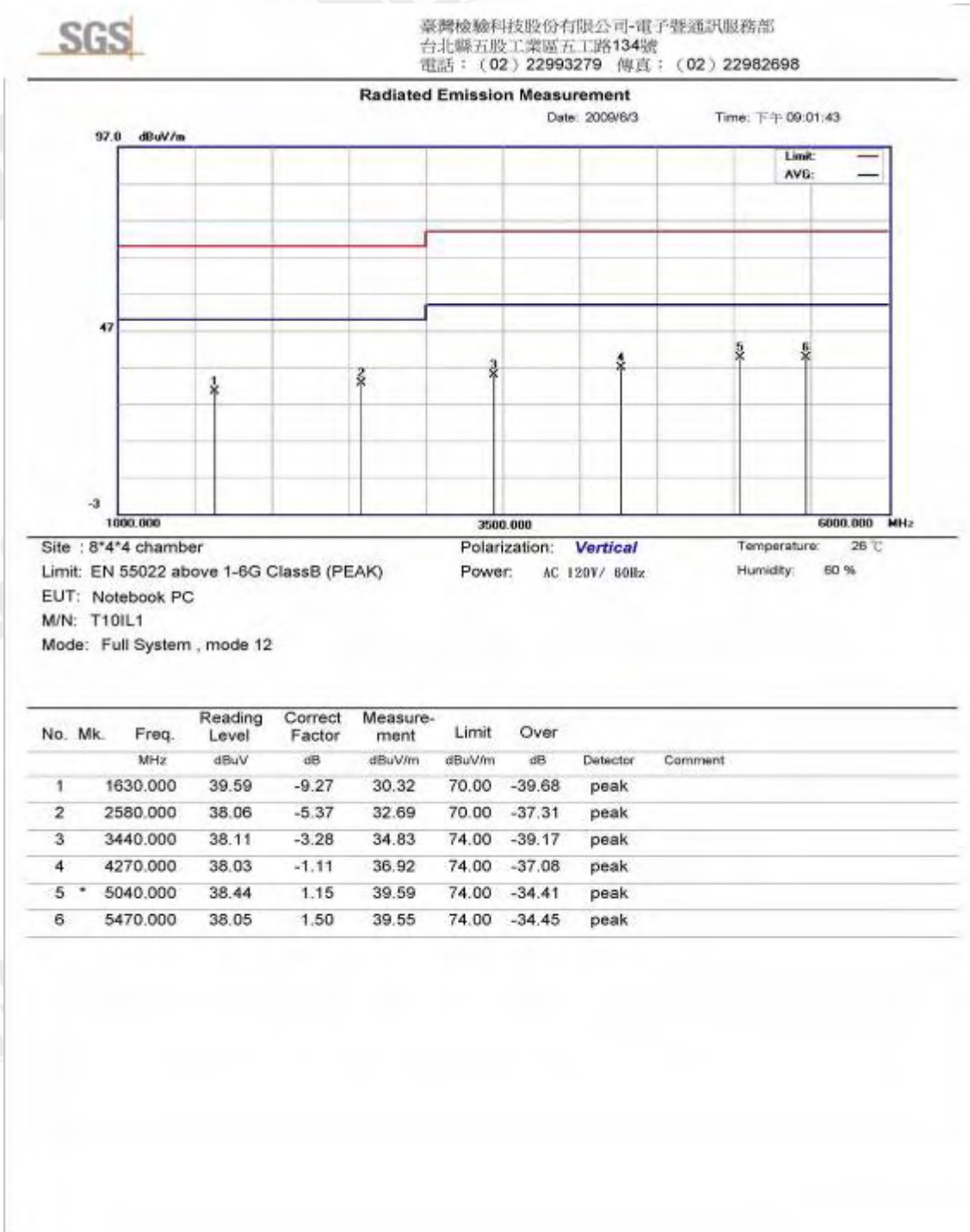
### Horizontal



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## Vertical



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