

FCC DoC TEST REPORT

REPORT NO.: D901024A08

MODEL NO.: Solo 1400, EA1

RECEIVED: Oct. 24, 2001

TESTED: Oct. 31, 2001

APPLICANT: Quanta Computer Inc.

ADDRESS: No. 188, Wen Hwa 2nd Rd., Kuei Shan Hsiang,
Tao Yuen Hsien, Taiwan, R.O.C.

ISSUED BY: Advance Data Technology Corporation

LAB LOCATION: 47 14th Lin, Chiapau Tsun, Linko, Taipei,
Taiwan, R.O.C.

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0528
ILAC MRA



Lab Code: 200102-0

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1 CERTIFICATION

PRODUCT: NOTEBOOK PC
BRAND NAME: Gateway, QUANTA
MODEL NO: Solo 1400, EA1
TEST ITEM: ENGINEERING SAMPLE
APPLICANT: Quanta Computer Inc.
STANDARDS: FCC Part 15, Subpart B, Class B
CISPR 22:1997, Class B
ANSI C63.4-1992
ICES-003: 1997

We, **Advance Data Technology Corporation**, hereby certify that one sample (model: Solo 1400) of the designation have been tested in our facility on Oct. 31, 2001. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions herein specified.

TESTED BY: Martin Lee, **DATE:** 11/7/2001
(Martin Lee)

CHECKED BY: Yemmy Soong, **DATE:** 11/7/2001
(Yemmy Soong)

APPROVED BY: Mike Su, **DATE:** 11/7/2001.
(Mike Su, Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Remarks
FCC Part 15, Subpart B, Class B	Conducted Test	PASS	Meets Class B Limit Minimum passing margin is -7.91 dB at 0.151 MHz
CISPR 22: 1997, Class B	Radiated Test	PASS	Meets Class B Limit Minimum passing margin is -4.0 dB at 496.00 MHz

NOTE: For conducted emission test, the test limit used is according to FCC Part 15.107. In this part, conducted emission test for telecom port is not mentioned and therefore this item is not tested.

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	NOTEBOOK PC
MODEL NO.	Solo 1400, EA1
POWER SUPPLY	Power adapter Brand: DELTA Model: ADP-60DH I/P: 100-240V, 1.5A, 50-60Hz O/P: 19Vdc, 3.16A, 60W Non-shielded AC 2-pin (1.8m) Non-shielded DC (1.2m)
DATA CABLE	NA

NOTE: The EUT has two model names, which are identical to each other in all aspects except for their model names and brand names, as the following:

- ◆ Model: EA1, Brand: QUANTA
- ◆ Model: Solo 1400, Brand: Gateway

From the above models, model: Solo 1400 was selected as the representative for the test and its data is recorded in this report.

The EUT was configured with the following key components:

Component	Model & Brand Name
CPU	Intel PIII 1 GHz
	Intel Celeron 850 MHz
	Intel Celeron 900 MHz
LCD Panel	QDI 14.1" TFT XGA, model: QD141X1LH06
	LG 14.1" TFT XGA, model: LP141XB-A2
MEMORY	PC133 64MB
	PC133 128MB
	PC133 256MB
HDD	Toshiba 10GB, model: MK1017GAP
	Toshiba 20GB, model: MK2017GAP
	Toshiba 20GB, model: MK2018GAP
	IBM 10GB, model: IC25N010ATDA04-0
	IBM 20GB, model: IC25N020ATDA04-0
FDD	Panasonic, model: JU-226A142FC K1140
Wireless Module	Actiontec 802.11b, model: 802UI-HP

CD-ROM/ DVD-ROM/ CD-RW/ COMBO (DVD/CD-RW)	QSI, model: SCR-242 (24X CD-ROM)
	MKE, model: CR-177-D DPK-5 (24X CD-ROM)
	QSI, model: SDR-081 (8X DVD-ROM)
	MKE, model: SR-8176-C CPK-3 (8X DVD-ROM)
	QSI, model: SCW-081 (8/8/24 CD-RW)
	MKE, model: UJDA330 QT-B (10/10/24 CD-RW)
ADAPTER	MKE, model: UJDA710 QT-B (Combo 8X 8/4/24 DVD/CD-RW)
	DELTA, model: ADP-60DH
MAIN BATTERY	Sanyo 8-cell NiMH, model: 8HR-4/3FAU-QC/EA1
	Sanyo 8-cell Li-Ion, model: 4UR18650F-2-QC/EA1

For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

3.2 DESCRIPTION OF TEST MODES

For the final test, two configurations, which produced the worst emission levels, were selected for the test. The final configurations are as the following:

Component	Model & Brand Name	
	Mode 1	Mode 2
LCD Panel	QDI 14.1" TFT XGA, model: QD141X1LH06	LG 14.1" TFT XGA, model: LP141XB-A2
CPU	Intel Celeron 850 MHz	Intel PIII 1 GHz
MEMORY	128MB	256MB
HDD	Toshiba 10GB, model: MK1017GAP	Toshiba 20GB, model: MK2017GAP
FDD	Panasonic, 1.44MB model: JU-226A142FC K1140	Panasonic, 1.44MB model: JU-226A142FC K1140
ROM DRIVE	QSI, model: SCR-242 (24X CD-ROM)	QSI, model: SDR-081 (8X DVD-ROM)
Modem/LAN	On board	On board
Wireless Module	NA	Actiontec 802.11b, model: 802UI-HP
BATTERY	Sanyo 8-cell NiMH, model: 8HR-4/3FAU-QC/EA1	Sanyo 8-cell Li-Ion, model: 4UR18650F-2-QC/EA1
ADAPTER	DELTA, model: ADP-60DH	DELTA, model: ADP-60DH

The EUT was tested under 1024x768 resolution.

3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1.	COLOR MONITOR	GATEWAY	EV910B	19016B197637	FCC DoC Approved
2.	PRINTER	HP	C6414B	CN05T1N0CB	NA
3.	KEYBOARD	GATEWAY	SK-7926	F880574	NA
4.	USB MOUSE	LOGITECH	M-BB48	LZE00651079	FCC DoC Approved
5.	MICROPHONE	CAROL	MUD-329	M501015	NA
6.	EARPHONE	KOKA	ST-8	H201031	NA
7.	PERSONAL COMPUTER	IBM	2156-D1N	BNA349G	FCC DoC Approved
8.	MONITOR	ADI	SM-5514A	521S030303A	BR8SM-5514AC
9.	PS/2 KEYBOARD	NEC	RT-101	42052613	AQ6-MTN56Z5
10.	PS/2 MOUSE	LOGITECH	M-S43	LZE00702998	DZL211106
11.	MODEM	ACTIONTEC	EX560RK	119W0017	FCC DoC Approved
12.	EPABX	VIDAR-SMS	EASYSWITCH PX-4	95080130	NA
13.	Network adapter	INTEL	GD82559	009027A598FB	EJMNPDALBANY
14.	NOTEBOOK PC (for Mode 2 only)	GATEWAY	Solo 1400	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1.	1.8 m braid shielded wire, terminated with VGA connector via metallic frame, w/o core. Provided by client.
2.	1.9m braid shielded wire, terminated with DB25 and Centronics connector via metallic frame, w/o core. Provided by client.
3.	1.8m foil shielded wire, terminated with PS/2 connector via drain wire, w/o core. Provided by client.
4.	1.8 m foil shielded wire, terminated with USB connector via drain wire, w/o core.
5.	2.9 m wrapped shielded wire, terminated via drain wire, with 3.5 mm phone plug, w/o core.
6.	2.0 m wrapped shielded wire, terminated with 3.5mm phone plug via drain wire, w/o core.
7.	NA
8.	1.5 m braid shielded wire, terminated with VGA connector via metallic frame, w/o core.
9.	1.8 m foil shielded wire, terminated with PS/2 connector via metallic frame, w/o core.

10.	1.8 m foil shielded wire, terminated with PS/2 connector via drain wire, w/o core.
11.	NA
12.	NA
13.	NA
14.	Provided by client.

- NOTE:**
1. All power cords of the above support units are non-shielded (1.8m).
 2. The EUT acted as SERVER PC and communicated with support units 7-13 (kept in a remote area), which acted as WORKSTATION and partners of communication system via a UTP cable (10m).
 3. The EUT acted as SERVER PC and communicated with support unit 14 (kept in a remote area), which acted as WORKSTATION and partner of communication system via a wireless transmission. (FOR MODE 2 ONLY)
 4. A telephone cable (10m) was connected from EUT to support unit 12.
 5. A telephone cable (1.8m) was connected between support unit 12 to support unit 11.
 6. A RS232 serial cable (1.2m) was connected between support unit 7 and support unit 11.

4 EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

- NOTES:** (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
- (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
ROHDE & SCHWARZ Test Receiver	ESCS30	834115/016	Feb. 21, 2002
ROHDE & SCHWARZ Artificial Mains Network (For EUT)	ESH2-Z5	892107/003	July 10, 2002
* ROHDE & SCHWARZ 4-wire ISN	ENY41	838119/028	Dec. 12, 2001
* ROHDE & SCHWARZ 2-wire ISN	ENY22	837497/018	Dec. 3, 2001
EMCO L.I.S.N. (For peripherals)	3825/2	9504-2359	July 10, 2002
Software	Cond-V2J	NA	NA
RF cable (JYEBao)	RG-58A/U	Cable-C03.01	July 11, 2002
Terminator (For EMCO LISN)	NA	E1-01-300	Feb. 20, 2002
Terminator (For EMCO LISN)	NA	E1-01-301	Feb. 20, 2002
Shielded Room	Site 3	ADT-C03	NA
VCCI Site Registration No.	Site 3	C-274	NA

- NOTE:** 1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

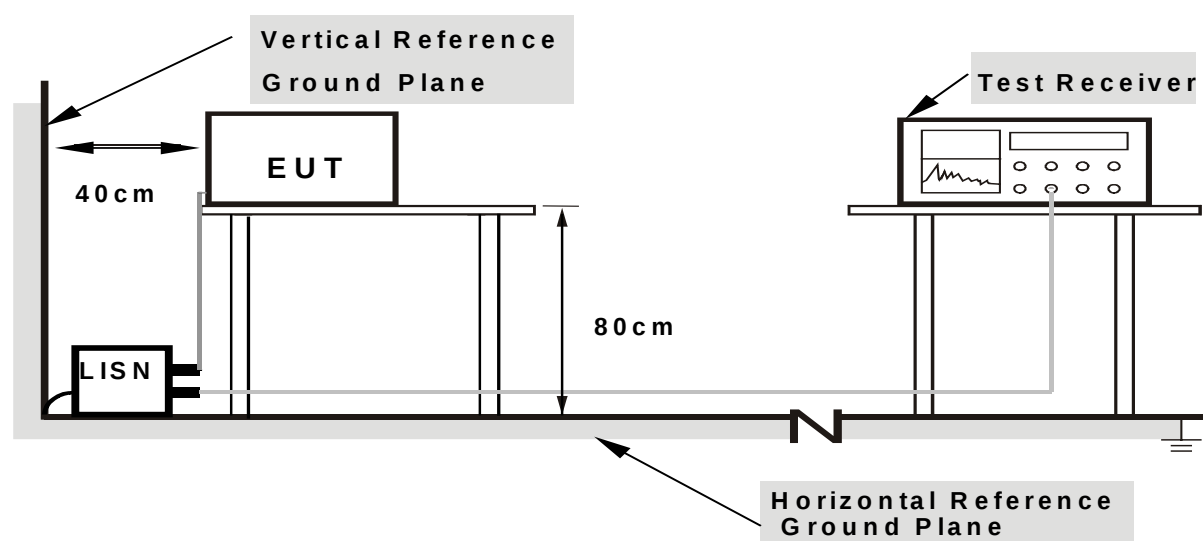
4.1.3 TEST PROCEDURE

- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels over 10dB under the prescribed limits could not be reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

4.1.6 EUT OPERATING CONDITIONS

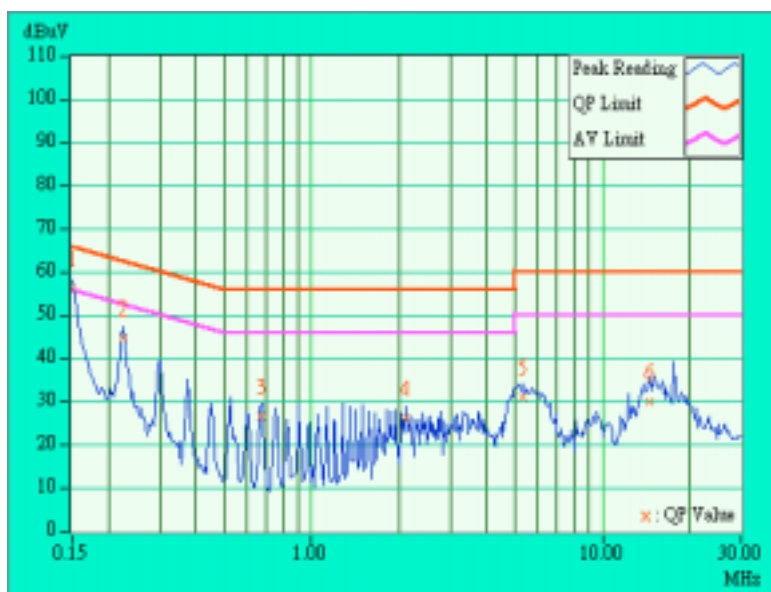
- a. Turned on the power of all equipment.
- b. EUT ran a test program to enable all functions of EUT.
- c. EUT read and wrote messages from HDD and FDD.
- d. EUT sent and received messages from WORKSTATION PC via a UTP cable and a telephone cable. (for Mode 1 & 2)
- e. EUT sent and received messages from NOTEBOOK PC via a wireless transmission. (for Mode 2 only)
- f. EUT sent "H" messages to LCD panel & external monitor, then they displayed "H" patterns on their screens simultaneously.
- g. EUT sent messages to printer, and then printer printed them on paper.
- h. EUT sent messages to modem.
- i. EUT sent audio messages to earphone.
- j. Steps c-j were repeated.

4.1.7 TEST RESULTS (A)

EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	1	6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60 % RH, 1005 hPa	TESTED BY: Martin Lee	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.151	0.10	56.16	47.47	56.26	47.57	65.97	55.97	-9.71	-8.40
2	0.224	0.10	44.68	-	44.78	-	62.67	52.67	-17.89	-
3	0.676	0.15	26.84	-	26.99	-	56.00	46.00	-29.01	-
4	2.106	0.21	26.40	-	26.61	-	56.00	46.00	-29.39	-
5	5.344	0.32	31.27	-	31.59	-	60.00	50.00	-28.41	-
6	14.566	0.49	29.92	-	30.41	-	60.00	50.00	-29.59	-

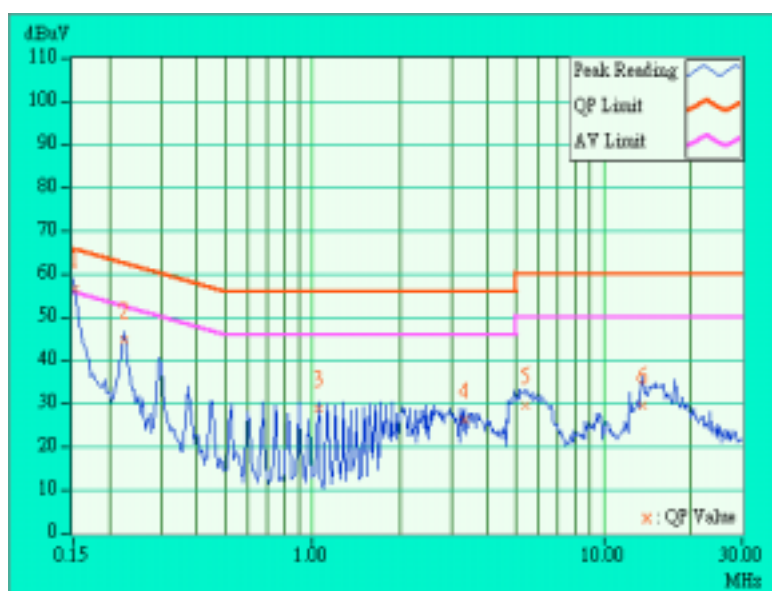
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.



EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	1	6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60 % RH, 1005 hPa	TESTED BY: Martin Lee	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.151	0.10	56.66	47.93	56.76	48.03	65.94	55.94	-9.18	-7.91
2	0.225	0.10	44.81	-	44.91	-	62.62	52.62	-17.71	-
3	1.049	0.20	28.95	-	29.15	-	56.00	46.00	-26.85	-
4	3.334	0.27	26.32	-	26.59	-	56.00	46.00	-29.41	-
5	5.397	0.32	29.47	-	29.79	-	60.00	50.00	-30.21	-
6	13.604	0.54	29.46	-	30.00	-	60.00	50.00	-30.00	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.

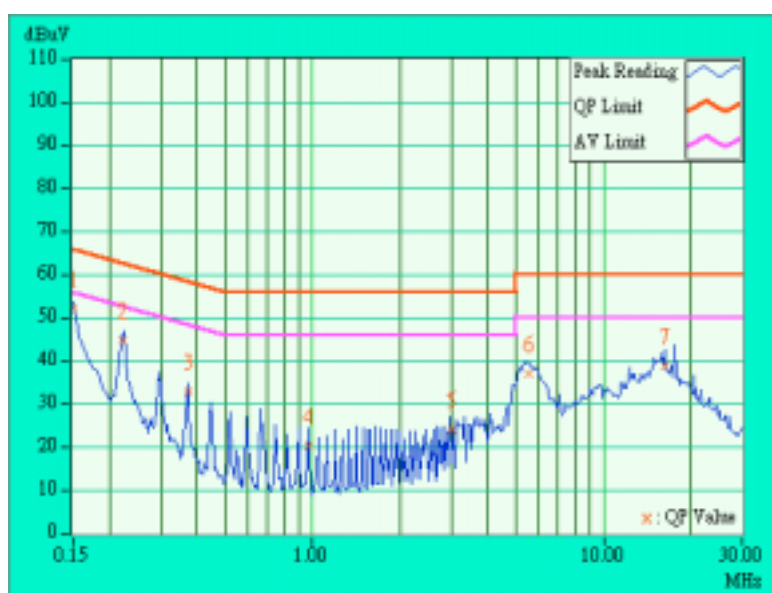


4.1.8 TEST RESULTS (B)

EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	2	6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60 % RH, 1005 hPa	TESTED BY: Martin Lee	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.10	52.34	-	52.44	-	66.00	56.00	-13.56	-
2	0.223	0.10	44.82	-	44.92	-	62.70	52.70	-17.78	-
3	0.375	0.10	32.80	-	32.90	-	58.40	48.40	-25.50	-
4	0.972	0.20	20.31	-	20.51	-	56.00	46.00	-35.49	-
5	2.990	0.25	24.01	-	24.26	-	56.00	46.00	-31.74	-
6	5.530	0.33	36.97	-	37.30	-	60.00	50.00	-22.70	-
7	16.230	0.52	38.98	-	39.50	-	60.00	50.00	-20.50	-

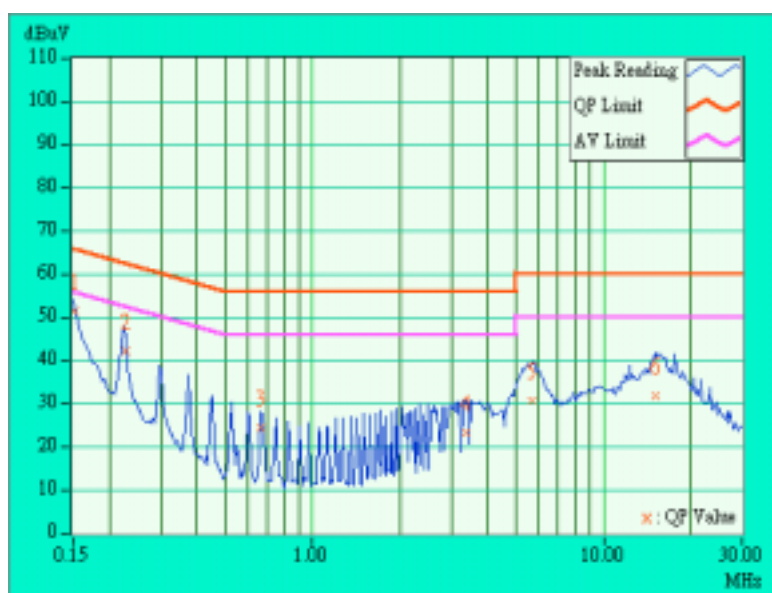
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.



EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	2	6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60 % RH, 1005 hPa	TESTED BY: Martin Lee	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.151	0.10	51.56	-	51.66	-	65.93	55.93	-14.27	-
2	0.227	0.10	42.09	-	42.19	-	62.56	52.56	-20.37	-
3	0.665	0.14	24.33	-	24.47	-	56.00	46.00	-31.53	-
4	3.382	0.27	23.37	-	23.64	-	56.00	46.00	-32.36	-
5	5.707	0.33	30.60	-	30.93	-	60.00	50.00	-29.07	-
6	15.095	0.61	31.98	-	32.59	-	60.00	50.00	-27.41	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT FOR FREQUENCY BELOW 1000 MHz

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

LIMIT OF RADIATED EMISSION OF FCC PART 15, SUBPART B FOR FREQUENCY ABOVE 1000 MHz

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80.0	60.0	74.0	54.0

- Note:** (1) The lower limit shall apply at the transition frequencies.
 (2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
 (3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
HP Spectrum Analyzer	8594E	3520A01861	Feb. 12, 2002
HP Preamplifier	8447D	2944A08118	Nov. 27, 2001
* HP Preamplifier	8449B	3008A01201	Dec. 13, 2001
* HP Preamplifier	8449B	3008A01292	Aug. 21, 2002
* ROHDE & SCHWARZ TEST RECEIVER	ESVS 10	840241/010	Sept. 19, 2002
SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	E101051 E101055	Nov. 23, 2001
* ROHDE & SCHWARZ TEST RECEIVER	ESMI	839013/007 839379/002	Jan. 25, 2002
* CHASE BILOG Antenna	CBL6112B	2433	July 17, 2002
* SCHWARZBECK Horn Antenna	BBHA9120-D1	D130	July 6, 2002
* EMCO Horn Antenna	3115	9312-4192	April 15, 2002
* CHANCE Turn Table	U200	9701	NA
* CHANCE Tower	AT-100	CM-A003	NA
* Software	AS61D4	NA	NA
* ANRITSU RF Switches	MP59B	6100034537	July 17, 2002
* TIMES RF cable	LMR-600	CABLE-ST3-01	July 17, 2002
Open Field Test Site	Site 3	ADT-R03	July 14, 2002
VCCI Site Registration No.	Site 3	R-269	NA

- NOTE:** 1. The measurement uncertainty is less than $\pm 3.0\text{dB}$, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to NML/ROC and NIST/USA.
3. "*" = These equipment are used for the final measurement.
4. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz.

4.2.3 TEST PROCEDURE

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10-meter open field site. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make

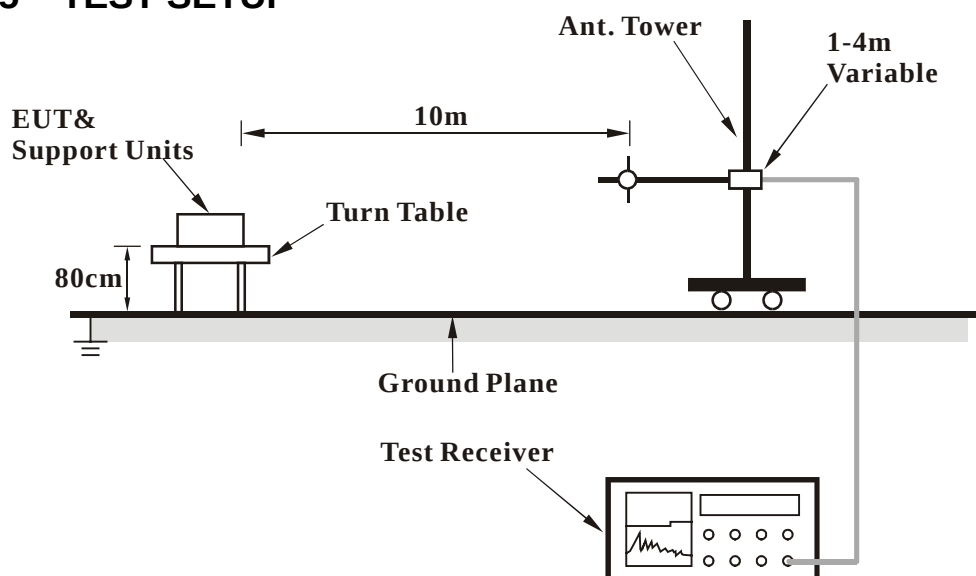
the measurement.

- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using the quasi-peak method or average method as specified and then reported in Data sheet peak mode and QP mode.
- g. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the interference antenna and the detect function was set to Peak or Average.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

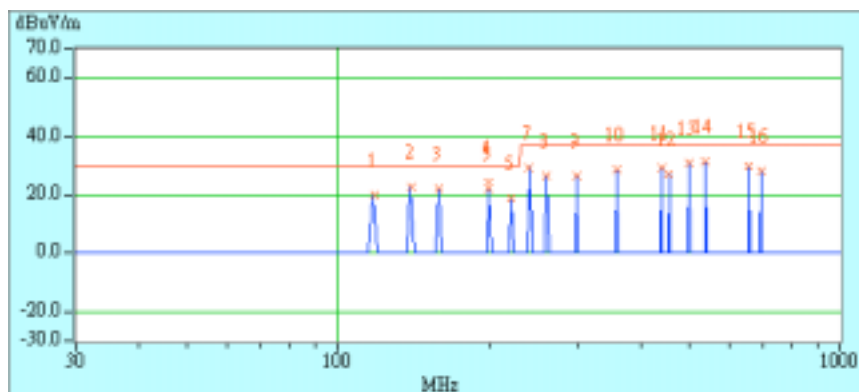
4.2.7 TEST RESULTS (A)

EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	1	FREQUENCY RANGE	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 70 % RH, 1005 hPa	TESTED BY: Martin Lee	

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Gain (dB)	Correction Factor (dB/m)
1	118.18	19.9 QP	30.00	-10.10	4.00H	258	7.45	11.52	0.96	0.00	-12.48
2	139.91	22.9 QP	30.00	-7.10	4.00H	178	10.96	10.87	1.05	0.00	-11.91
3	158.74	22.1 QP	30.00	-7.90	4.00H	346	11.57	9.41	1.12	0.00	-10.54
4	198.54	24.6 QP	30.00	-5.40	4.00H	138	14.73	8.60	1.25	0.00	-9.85
5	198.54	22.3 QP	30.00	-7.70	4.00H	150	12.48	8.60	1.25	0.00	-9.85
6	220.88	18.9 QP	30.00	-11.10	4.00H	358	7.47	10.13	1.30	0.00	-11.43
7	240.15	29.3 QP	37.00	-7.70	4.00H	61	16.42	11.51	1.35	0.00	-12.86
8	260.10	26.4 QP	37.00	-10.60	4.00H	164	11.48	13.43	1.49	0.00	-14.92
9	298.43	26.5 QP	37.00	-10.50	4.00H	330	11.89	13.01	1.60	0.00	-14.61
10	360.00	28.5 QP	37.00	-8.50	3.09H	102	12.39	14.44	1.70	0.00	-16.14
11	440.30	29.3 QP	37.00	-7.70	1.71H	58	11.07	16.21	1.99	0.00	-18.20
12	456.30	27.2 QP	37.00	-9.80	3.34H	271	8.67	16.45	2.05	0.00	-18.49
13	499.83	30.9 QP	37.00	-6.10	1.15H	212	11.14	17.58	2.16	0.00	-19.74
14	538.90	31.3 QP	37.00	-5.70	2.22H	156	10.49	18.57	2.28	0.00	-20.85
15	658.00	29.9 QP	37.00	-7.10	1.15H	280	8.25	19.05	2.59	0.00	-21.65
16	695.38	28.0 QP	37.00	-9.00	1.62H	107	6.17	19.16	2.67	0.00	-21.84

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Gain (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Gain (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.

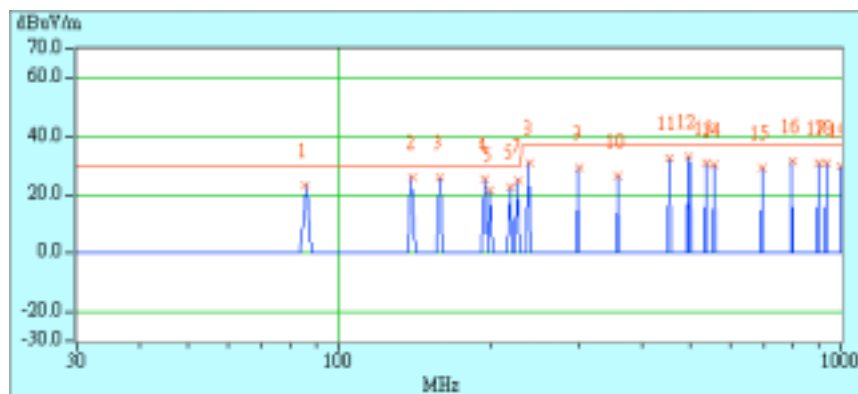


EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	1	FREQUENCY RANGE	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 70 % RH, 1005 hPa	TESTED BY: Martin Lee	

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Gain (dB)	Correction Factor (dB/m)
1	85.39	23.6 QP	30.00	-6.40	1.00V	110	14.67	8.00	0.88	0.00	-8.88
2	139.51	25.9 QP	30.00	-4.10	1.00V	28	14.00	10.87	1.05	0.00	-11.91
3	158.00	25.8 QP	30.00	-4.20	1.00V	116	15.30	9.41	1.12	0.00	-10.54
4	194.82	25.5 QP	30.00	-4.50	1.00V	180	15.70	8.57	1.23	0.00	-9.80
5	199.90	21.6 QP	30.00	-8.40	1.00V	1	11.79	8.60	1.25	0.00	-9.86
6	220.00	22.5 QP	30.00	-7.50	1.00V	257	11.24	9.96	1.30	0.00	-11.26
7	227.29	24.7 QP	30.00	-5.30	1.00V	138	12.93	10.48	1.31	0.00	-11.79
8	238.93	30.7 QP	37.00	-6.30	1.00V	29	18.06	11.34	1.34	0.00	-12.69
9	300.00	29.4 QP	37.00	-7.60	1.00V	88	14.75	13.01	1.60	0.00	-14.62
10	358.75	26.4 QP	37.00	-10.60	2.09V	155	10.30	14.44	1.70	0.00	-16.14
11	454.00	32.5 QP	37.00	-4.50	3.63V	271	14.02	16.38	2.04	0.00	-18.43
12	496.00	33.0 QP	37.00	-4.00	3.38V	31	13.40	17.46	2.15	0.00	-19.60
13	537.00	31.0 QP	37.00	-6.00	3.59V	307	10.20	18.51	2.27	0.00	-20.78
14	558.00	30.6 QP	37.00	-6.40	3.39V	288	9.50	18.77	2.33	0.00	-21.10
15	695.20	29.6 QP	37.00	-7.40	1.84V	312	7.78	19.16	2.67	0.00	-21.84
16	799.70	31.7 QP	37.00	-5.30	2.32V	17	8.38	20.39	2.96	0.00	-23.34
17	899.97	30.9 QP	37.00	-6.10	1.91V	103	6.48	21.22	3.19	0.00	-24.42
18	934.00	31.2 QP	37.00	-5.80	2.49V	18	6.26	21.68	3.22	0.00	-24.90
19	999.66	30.0 QP	37.00	-7.00	1.70V	354	5.42	21.33	3.27	0.00	-24.61

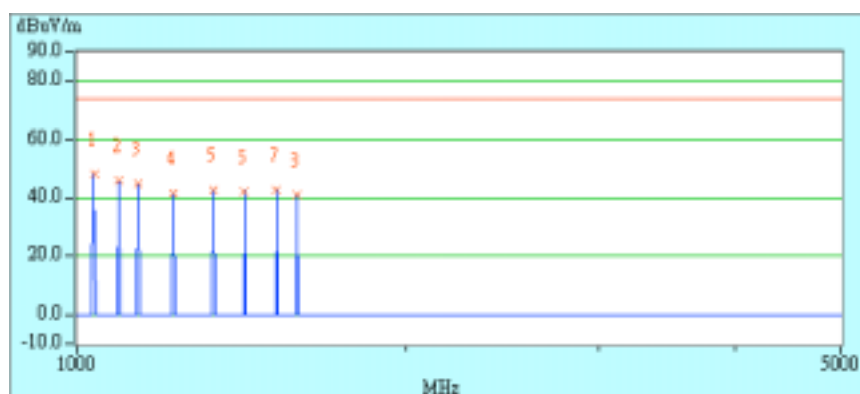
- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Gain (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Gain (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	1	FREQUENCY RANGE	1000-5000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak, 1MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 70 % RH, 1005 hPa	TESTED BY: Martin Lee	

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M											
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Gain (dB)	Correction Factor (dB/m)
1	1037.00	48.3 pk	74.00	-25.70	1.15H	106	58.98	24.03	3.39	38.12	10.70
2	1092.00	46.1 pk	74.00	-27.90	1.39H	182	56.28	24.33	3.48	38.00	10.19
3	1138.00	44.9 pk	74.00	-29.10	1.05H	244	54.69	24.56	3.55	37.90	9.80
4	1226.00	41.4 pk	74.00	-32.60	1.19H	354	50.37	25.00	3.75	37.71	8.96
5	1331.00	43.0 pk	74.00	-31.00	1.78H	117	51.06	25.47	3.95	37.47	8.06
6	1423.00	42.0 pk	74.00	-32.00	1.03H	274	49.44	25.64	4.22	37.27	7.41
7	1523.00	42.5 pk	74.00	-31.50	1.07H	192	50.16	25.16	4.30	37.09	7.63
8	1589.00	41.2 pk	74.00	-32.80	1.00H	116	49.06	24.86	4.38	37.05	7.82

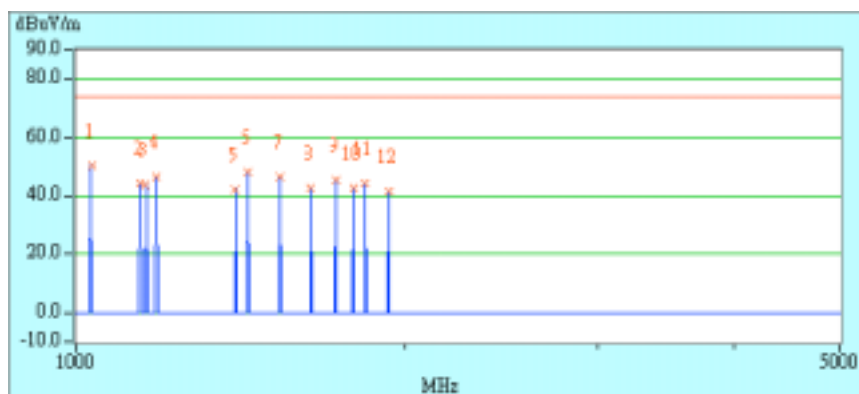
- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Gain (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Gain (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	1	FREQUENCY RANGE	1000-5000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak, 1MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 70 % RH, 1005 hPa	TESTED BY: Martin Lee	

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Gain (dB)	Correction Factor (dB/m)
1	1034.00	50.5 pk	74.00	-23.50	1.76V	273	61.20	24.01	3.38	38.13	10.74
2	1146.00	44.5 pk	74.00	-29.50	1.35V	0	54.20	24.60	3.56	37.88	9.72.
3	1158.00	43.6 pk	74.00	-30.40	1.70V	356	53.20	24.69	3.60	37.85	9.56
4	1184.00	46.7 pk	74.00	-27.30	1.57V	163	56.00	24.82	3.67	37.80	9.31
5	1398.00	42.4 pk	74.00	-31.60	1.01V	358	49.80	25.76	4.11	37.32	7.45
6	1436.00	48.0 pk	74.00	-26.00	1.01V	238	55.37	25.59	4.28	37.24	7.38
7	1534.00	46.3 pk	74.00	-27.70	1.06V	206	54.00	25.11	4.31	37.08	7.66
8	1640.00	42.5 pk	74.00	-31.50	1.72V	156	50.12	24.82	4.59	37.02	7.61
9	1728.00	45.6 pk	74.00	-28.40	1.09V	73	53.03	24.85	4.69	36.96	7.43
10	1794.00	42.7 pk	74.00	-31.30	1.08V	136	49.96	24.88	4.77	36.92	7.28
11	1839.00	44.3 pk	74.00	-29.70	1.08V	185	51.22	25.07	4.86	36.90	6.97
12	1933.00	41.7 pk	74.00	-32.30	1.45V	176	48.06	25.50	4.94	36.84	6.40

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Gain (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Gain (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



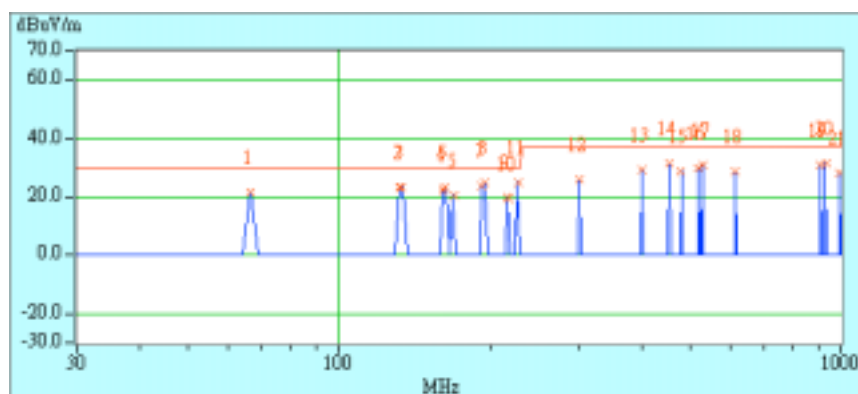
4.2.8 TEST RESULTS (B)

EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	2	FREQUENCY RANGE	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 70 % RH, 1005 hPa	TESTED BY: Martin Lee	

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Gain (dB)	Correction Factor (dB/m)
1	66.50	21.4 QP	30.00	-8.60	4.00H	4	15.53	5.11	0.76	0.00	-5.87
2	132.21	23.5 QP	30.00	-6.50	4.00H	318	11.30	11.17	1.02	0.00	-12.19
3	133.27	23.4 QP	30.00	-6.60	4.00H	318	11.30	11.07	1.03	0.00	-12.10
4	161.35	22.0 QP	30.00	-8.00	4.00H	183	11.61	9.26	1.13	0.00	-10.39
5	162.40	23.1 QP	30.00	-6.90	4.00H	53	12.80	9.16	1.14	0.00	-10.31
6	169.38	20.7 QP	30.00	-9.30	4.00H	287	10.59	8.96	1.15	0.00	-10.11
7	192.06	23.9 QP	30.00	-6.10	4.00H	78	14.13	8.55	1.22	0.00	-9.77
8	194.86	25.2 QP	30.00	-4.80	4.00H	266	15.38	8.57	1.23	0.00	-9.80
9	216.07	20.2 QP	30.00	-9.80	4.00H	136	9.08	9.79	1.29	0.00	-11.08
10	217.28	19.7 QP	30.00	-10.30	4.00H	0	8.61	9.79	1.29	0.00	-11.09
11	227.33	25.1 QP	30.00	-4.90	4.00H	354	13.36	10.48	1.31	0.00	-11.79
12	300.80	25.8 QP	37.00	-11.20	4.00H	285	11.14	13.05	1.60	0.00	-14.66
13	399.85	29.5 QP	37.00	-7.50	2.00H	241	11.68	15.98	1.84	0.00	-17.83
14	454.63	31.5 QP	37.00	-5.50	2.43H	123	13.10	16.38	2.04	0.00	-18.44
15	480.10	29.0 QP	37.00	-8.00	1.53H	117	9.80	17.08	2.11	0.00	-19.19
16	519.56	29.9 QP	37.00	-7.10	2.24H	324	9.58	18.08	2.22	0.00	-20.30
17	529.56	31.1 QP	37.00	-5.90	2.16H	351	10.50	18.33	2.25	0.00	-20.59
18	617.00	28.6 QP	37.00	-8.40	2.83H	38	7.50	18.60	2.46	0.00	-21.07
19	909.19	31.0 QP	37.00	-6.00	2.53H	238	6.50	21.35	3.20	0.00	-24.56
20	933.05	31.7 QP	37.00	-5.30	1.00H	173	6.81	21.65	3.22	0.00	-24.87
21	995.60	28.5 QP	37.00	-8.50	1.00H	234	3.85	21.38	3.27	0.00	-24.66

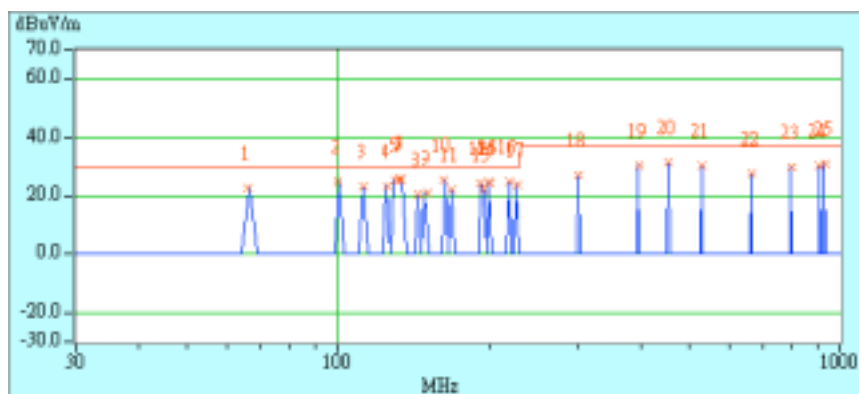
- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Gain (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Gain (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	2	FREQUENCY RANGE	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 70 % RH, 1005 hPa	TESTED BY: Martin Lee	

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M												
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Gain (dB)	Correction Factor (dB/m)	
1	65.86	22.6 QP	30.00	-7.40	1.17V	291	16.73	5.11	0.76	0.00	-5.87	
2	99.77	25.1 QP	30.00	-4.90	1.00V	220	13.62	10.60	0.88	0.00	-11.48	
3	112.13	23.4 QP	30.00	-6.60	1.00V	234	11.21	11.26	0.94	0.00	-12.19	
4	125.03	23.5 QP	30.00	-6.50	1.00V	135	11.03	11.48	0.99	0.00	-12.47	
5	129.92	25.6 QP	30.00	-4.40	1.00V	46	13.32	11.27	1.01	0.00	-12.29	
6	132.47	25.8 QP	30.00	-4.20	1.00V	154	13.60	11.17	1.02	0.00	-12.19	
7	133.26	25.6 QP	30.00	-4.40	1.00V	154	13.50	11.07	1.03	0.00	-12.10	
8	144.04	20.7 QP	30.00	-9.30	1.00V	83	9.11	10.53	1.07	0.00	-11.59	
9	150.03	21.3 QP	30.00	-8.70	1.00V	163	10.06	10.15	1.09	0.00	-11.24	
10	162.39	25.4 QP	30.00	-4.60	1.00V	0	15.10	9.16	1.14	0.00	-10.30	
11	168.02	22.3 QP	30.00	-7.70	1.00V	259	12.19	8.96	1.15	0.00	-10.11	
12	192.04	24.4 QP	30.00	-5.60	1.00V	45	14.63	8.55	1.22	0.00	-9.77	
13	194.88	22.1 QP	30.00	-7.90	1.00V	150	12.30	8.57	1.23	0.00	-9.80	
14	198.59	25.2 QP	30.00	-4.80	1.00V	147	15.35	8.60	1.25	0.00	-9.85	
15	200.03	24.5 QP	30.00	-5.50	1.00V	41	14.65	8.60	1.25	0.00	-9.86	
16	220.04	25.1 QP	30.00	-4.90	1.00V	229	13.84	9.96	1.30	0.00	-11.26	
17	227.33	24.0 QP	30.00	-6.00	1.00V	302	12.21	10.48	1.31	0.00	-11.79	
18	300.60	26.9 QP	37.00	-10.10	1.00V	312	12.24	13.05	1.60	0.00	-14.66	
19	397.18	30.5 QP	37.00	-6.50	3.19V	125	12.85	15.82	1.83	0.00	-17.66	
20	454.64	31.8 QP	37.00	-5.20	2.49V	0	13.37	16.38	2.04	0.00	-18.44	
21	529.53	30.3 QP	37.00	-6.70	2.58V	64	9.72	18.33	2.25	0.00	-20.59	
22	666.48	27.9 QP	37.00	-9.10	1.86V	191	6.22	19.08	2.60	0.00	-21.68	
23	799.63	29.8 QP	37.00	-7.20	2.13V	354	6.46	20.39	2.96	0.00	-23.34	
24	909.20	30.4 QP	37.00	-6.60	2.38V	258	5.85	21.35	3.20	0.00	-24.56	
25	932.85	31.2 QP	37.00	-5.80	2.20V	151	6.34	21.65	3.22	0.00	-24.86	

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Gain (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Gain (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.

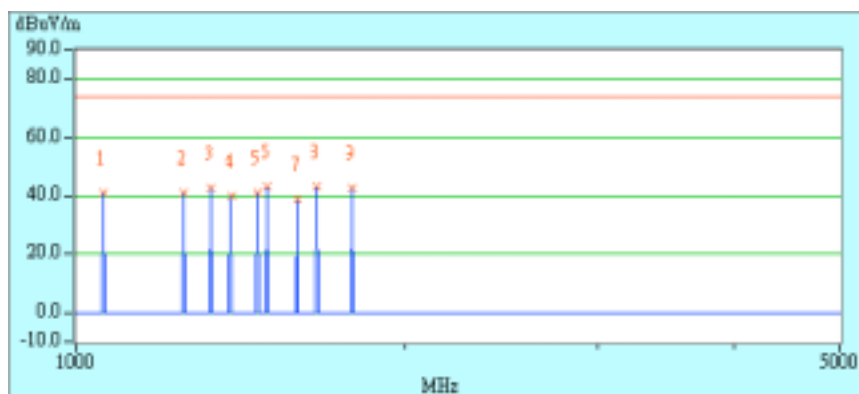


EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	2	FREQUENCY RANGE	1000-5000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak, 1MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 70 % RH, 1005 hPa	TESTED BY: Martin Lee	

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Gain (dB)	Correction Factor (dB/m)
1	1059.00	41.3 pk	74.00	-32.70	1.00H	268	51.72	24.16	3.44	38.07	10.47
2	1254.00	41.2 pk	74.00	-32.80	1.09H	2	49.87	25.14	3.82	37.64	8.69
3	1330.00	42.9 pk	74.00	-31.10	1.09H	0	50.94	25.45	3.95	37.48	8.09
4	1386.00	40.1 pk	74.00	-33.90	1.00H	190	47.66	25.69	4.06	37.36	7.61
5	1466.00	41.3 pk	74.00	-32.70	1.63H	120	48.75	25.45	4.32	37.18	7.42
6	1496.00	43.2 pk	74.00	-30.80	1.05H	28	50.69	25.30	4.28	37.11	7.53
7	1594.00	38.9 pk	74.00	-35.10	1.00H	101	46.70	24.84	4.38	37.04	7.84
8	1659.00	43.5 pk	74.00	-30.50	1.17H	158	51.03	24.82	4.65	37.00	7.54
9	1789.00	42.5 pk	74.00	-31.50	1.30H	65	49.80	24.88	4.76	36.93	7.29

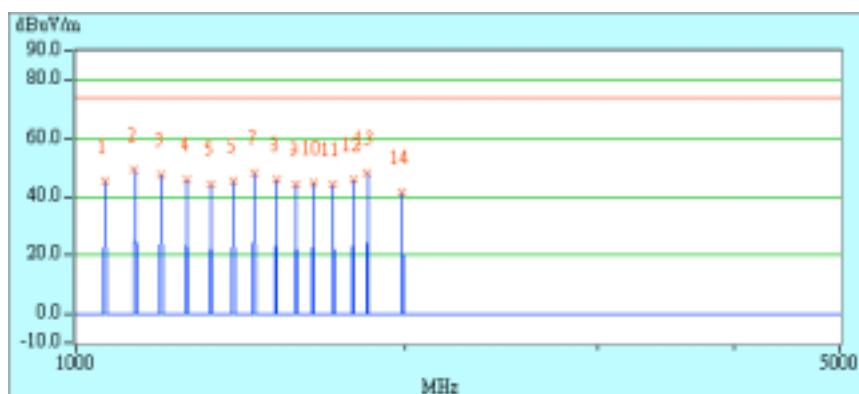
- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Gain (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Gain (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



EUT	NOTEBOOK PC	MODEL NO.	Solo 1400
MODE	2	FREQUENCY RANGE	1000-5000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak, 1MHz
ENVIRONMENTAL CONDITIONS	25 deg. C, 70 % RH, 1005 hPa	TESTED BY: Martin Lee	

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M											
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Gain (dB)	Correction Factor (dB/m)
1	1064.00	45.7 pk	74.00	-28.30	1.70V	72	56.16	24.18	3.45	38.06	10.43
2	1131.00	49.5 pk	74.00	-24.50	1.70V	341	59.37	24.54	3.54	37.91	9.83
3	1196.00	47.6 pk	74.00	-26.40	1.01V	274	56.84	24.88	3.70	37.77	9.19
4	1262.00	46.1 pk	74.00	-27.90	1.60V	130	54.66	25.18	3.84	37.62	8.61
5	1328.00	44.3 pk	74.00	-29.70	1.30V	257	52.34	25.45	3.95	37.48	8.08
6	1393.00	45.4 pk	74.00	-28.60	1.30V	149	52.97	25.73	4.09	37.34	7.53
7	1456.00	48.0 pk	74.00	-26.00	1.81V	120	55.41	25.49	4.33	37.20	7.37
8	1524.00	46.0 pk	74.00	-28.00	1.12V	242	53.58	25.16	4.30	37.09	7.62
9	1589.00	44.1 pk	74.00	-29.90	1.35V	273	51.94	24.86	4.38	37.05	7.81
10	1647.00	44.8 pk	74.00	-29.20	1.43V	360	52.34	24.82	4.63	37.01	7.56
11	1719.00	44.4 pk	74.00	-29.60	1.23V	48	51.80	24.85	4.68	36.97	7.45
12	1792.00	46.3 pk	74.00	-27.70	1.11V	102	53.56	24.88	4.77	36.92	7.28
13	1846.00	48.3 pk	74.00	-25.70	1.67V	255	55.20	25.11	4.88	36.89	6.91
14	1989.00	41.4 pk	74.00	-32.60	1.00V	0	47.50	25.76	4.95	36.81	6.10

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Gain (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Gain (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



5 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST



RADIATED EMISSION TEST



6 APPENDIX - INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025, Guide 25 or EN 45001:

USA	FCC, NVLAP, UL
Germany	TUV Rheinland
Japan	VCCI
New Zealand	MoC
Norway	NEMKO, DNV
Canada	INDUSTRY CANADA
R.O.C.	CNLA, BSMI

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml.
If you have any comments, please feel free to contact us at the following:

Lin Kou EMC Lab:

Tel: 886-2-26052180

Fax: 886-2-26052943

Hsin Chu EMC Lab:

Tel: 886-35-935343

Fax: 886-35-935342

Lin Kou Safety Lab:

Tel: 886-2-26093195

Fax: 886-2-26093184

Lin Kou RF & Telecom Lab.

Tel: 886-3-3270910

Fax: 886-3-3270892

Email: service@mail.adt.com.tw

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.