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1. Test Report Certification

Applicant : First International Computer Inc.

Manufacturer : First International Computer Inc.

EUT Description : Notebook PC

(A) Model No. : Amber 2.0

(LaVie NX/VersaPro NX/Avanza NX NB)

(NEC Versa Note/ ZDS Versa Note/ Easy Note)

(B) Serial No. : ProtoType

(C) Power : 110V/60Hz

(D) Rating DC-O/P: 19V

MEASUREMENT PROCEDURE USED :

CFR 47, Part 15 Radio Frequency Device Subpart B Unintentional Radiators Class B :1996
CISPR 22 Limits and methods of measurement of radio disturbance characteristics of
information technology equipment: 1993

ANSI C63.4 Methods of Measurements of Radio-Noise Emissions from Low-Voltage
Electrical and Electronic Equipment in the range of 9kHz to 40GHz. :1992

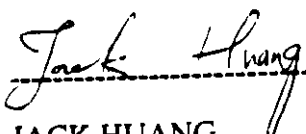
THE MEASUREMENT SHOWN IN THE ATTACHMENT WERE MADE IN ACCORDANCE
WITH THE PROCEDURES INDICATED, AND THE MAXIMUM ENERGY EMITTED BY
THE EQUIPMENT WAS FOUND TO BE WITHIN THE ABOVE LIMITS APPLICABLE.

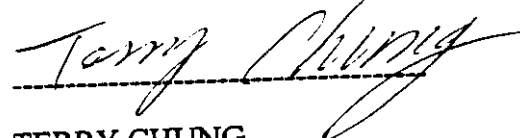
NVLAP[®]

Sample Received Date : July 14, 1998
Final Test Date : September 10, 1998
Documented by : Winnie Chiu

Test Engineer :

Approve & Authorized Signer :


JACK HUANG


TERRY CHUNG

This test data shown below is traceable to NIST.

First International Computer / Notebook Computer
FCC ID: EUNC2
Original Application returned to Taiwan by Mellon Bank and not yet located.
Class II Change Application combined into attached copy of missing Original Application

2. General Information

2.1 Production Description

Description : Notebook P.C.

Model Number : Amber 2.0
(Lavie NX/VersaPro NX/Avanza NX NB)
(NEC Versa Note/ ZDS Versa Note / Easy Note)

Serial Number : Prototype

Applicant : First International Computer Inc.

Address : 6F., Formosa Plastics Rear Bldg 201, Tung-Hwa N. Road, Taipei,
Taiwan, R.O.C.

Manufacturer : First International Computer Inc.

Address : 6F., Formosa Plastics Rear Bldg 201, Tung-Hwa N. Road, Taipei,
Taiwan, R.O.C.

CPU : Pentium II 233/266/300MHz, Tillamook 233/266, Clock: 66MHz

Power Adaptor : Delta, I/P : 100~240V 1.5A 50~60Hz,
O/P: 19V, 2.46A.

Mode 1: Pentium II 266MHz, Clock: 66MHz, LCD: NEC13.3" TFT, Resolution 1024x768.
Mode 2: Pentium II 266MHz, Clock: 66MHz, LCD: NEC 13.3" TFT, Resolution 1024X768.
Mode 3: Pentium II 300MHz, Clock: 66MHz, LCD: NEC 12.1" TFT, Resolution 800x600.
Mode 4: Pentium II 233MHz, Clock: 66MHz, LCD: NEC 12.1" TFT, Resolution 800x600
Mode 5: Tillamook 266MHz, Clock: 66 MHz, LCD: Panasonic 12.1" DSTN, Resolution 800x600.
Mode 6: Tillamook 233MHz, Clock: 66MHz, LCD: Hitachi 12.1" DSTN, Resolution 800x600.
Mode 7: Pentium II 300MHz, Clock: 66MHz, LCD: NEC 13.3" TFT", Resolution 800x600.

Note:

1. This Notebook computer can support different CPU/Clock frequency modes and can support different types of LCD panel. The test condition of 233 MHz/Clock and 266, 300MHz and all the components listed at section 2.2 were investigated. The data shown in this test report reflects the worst-case data for each frequency/video resolution.
2. Actually (LaVie NX/ VersaPro NX/Avanza NX NB) (NEC Versa Note/ ZDS Versa Note/ Easy Note) they are the same of products name, in case of requirement of marketing requirement.

2.1.1 System Details

NO.	CATEGORY	MODEL NO.	VENDOR
1	Glide Pad	KGDDGQ941A	ALPS
2	3.5"FDD	FD-1238T-018	NEC
3	3.5"FDD	MF355H-348MN	Mitsubishi
4	2.1GB HDD	DK237A-21	Hitachi
5	2.1GB HDD	MHD2021IAT	Fujitsu
6	2.1GB HDD	MK2109MAT	Toshiba
7	3.2GB HDD	DK237A-32	Hitachi
8	3.2GB HDD	MHD2032AT	Fujitsu
9	3.2GB HDD	MK3205MAV	Toshiba
10	4.3GB HDD	DKLA-24320	IBM
11	4.3GB HDD	MK4309MAT	Toshiba
12	5.4GB HDD	DADA-25400	IBM
13	5.4GB HDD	DK227A-50	Hitachi
14	6.4GB HDD	DADA-26480	IBM
15	6.4GB HDD	MK6409MAV	Toshiba
16	24X CD-ROM	CD-224E-A92 / CD-224E / CD224E-A34	Teac
17	24X CD-ROM	XM 1702B	Toshiba
18	24X CD-ROM	XM-1802B	Toshiba
19	24X CD-ROM	CDR-2800A(SP4)	NEC
20	Li-ion Battery	2800mA/14.4v	Panasonic
21	Li-ion Battery	2800mA/14.1V	Sanyo
22	Ni-MH Battery	4000mA/9.6V	Toshiba
23	Ni-MH Battery	3800mA/9.6V	Panasonic
24	Ni-MH Battery	3800mA/9.6V	Sanyo
25	Adaptor	ADP-50MB	Delta
26	Invertor(12.1")TFT		Delta
27	Invertor(12.1")DSTN		Delta
28	Invertor (13.3")		Delta
29	Keyboard (US)		Jing-Mold
30	Keyboard (Japan)		Jing-Mold
31	LAN Card		NEC
32	FAX/Modem (US)		Askey
33	FAX/Modem (Japan)		Askey

2.2 Tested System Details

The FCC IDs/Types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards, which have grants) are:

☒ Host Notebook Computer (EUT)

	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Mode 7
CPU	Pentium II 266	Pentium II 266	Pentium II 300	Pentium II 233	Tillamook 266	Tillamook 233	Pentium II 300
Clock	66MHz	66MHz	66MHz	66MHz	66MHz	66MHz	66MHz
LCD	NEC 13.3" (1024 x 768) TFT	NEC 13.3" TFT (1024 x 768)	NEC 12.1" TFT (800 x 600)	NEC 12.1" TFT (800 x 600)	Panasonic (800 x 600) 12.1" DSTN	Hitachi (800 x 600) 12.1" DSTN	NEC (800 x 600) 13.3 TFT
HDD	IBM 6.4GB DADA-26480	Hitachi 5.0GB DK227A-50	IBM 5.4 GB DADA-25400	Toshiba 4.3 GB MK4309MAT	Fuji 3.2 GB MHD2032AT	Hitachi 3.2GB DK237A-32	IBM 6.4GB DADA-26480
FDD	NEC 3.5" FD-1238T	NEC 3.5" FD-1238T	NEC 3.5" FD-1238T	NEC 3.5" FD-1238T	NEC 3.5" FD-1238T	NEC 3.5" FD-1238T	Mitsubishi 3.5" MF355H-348MN
CD-ROM	TEAC 24X CD-224EA-92	TEAC 24X CD-224EA-92	Toshiba 24X XM-1802B	Toshiba 24X XM-1802B	TEAC 24X CD-224E	TEAC 24X CD-224E	NEC 24X CDR-2800A
FAX/MODEM	Askey 56K	None	Askey 56K	None	None	NEC 100MHz	Askey 56K
LAN	None	NEC 100MHz	None	NEC 100	Askey 56K	None	None
AC Adaptor	Delta	Delta	Delta	Delta	Delta	Delta	Liteon
Battery	Panasonic Li-ION	Panasonic Li-ION	Sanyo Li-ION	Toshiba Ni-MH	Panasonic Ni-MH	Panasonic Ni-MH	Panasonic Li-ION

☒ Monitor M01-012

Model Number : SyncMaster 700p
 Serial Number : H3MH903257V
 Manufacturer : SAMSUNG
 FCC ID : A3LCGH760
 BCIQ ID No. : 3872A230
 Data Cable : Shielded, Undetachable, 1.5m
 Power Cord : Shielded, Detachable, 1.5m

☒ Keyboard K01-004

Model Number : 6311-TW
Serial Number : K6367092584
FCC ID : JVPKBS-WTN
Manufacturer : ACER
Data Cable : Sheiled, Undetachable, 1.2 m

☒ Modem M03-010

Model Number : 1414
Serial Number : 960018043
FCC ID : IFAXDM1414
Manufacturer : ACEEX
Adaptor & Power Cord : Non-Shielded, Detachable, 1.5m
Data Cable : Shielded, Detachable, 1.2m

☒ Printer P01-009

Model Number : C2642A(DJ-400)
Serial Number : MY7951C4RW
FCC ID : B94C2642X
Manufacturer : HP
Adaptor & Power Cord : AC 110V, 60Hz To DC 30V
: Non-Shielded, Detachable, 1.9m

☒ Earphone

Model Number : CDH-33TV
Serial Number : N/A
Manufacturer : JSX
Power Cord : N/A
Data Cable : Non-Shielded, Detachable, 1 m

☒ Microphone M04-011 ~ 018

Model Number : M02
Serial Number : N/A
FCC ID : N/A
Manufacturer : GALAXY
Data Cable : Non-Shielded, Undetachable, 1.2m

☒ Radio Receiver R02-010 ~014

Model Number : HS-GS162
Serial Number : LYJ1084567
FCC ID : N/A
Manufacturer : AIWA CO., LTD
Power Cord : N/A (Battery)

☒ Telephone T01-001

Model Number : ST-203
Serial Number : 4K01460
Manufacturer : SINOCA
Phone line cable : Non-Shielded, Detachable, 1.5m
Handset Cable : Non-Shielded, Detachable, 1.5m

☒ Scanner (USB) S02-002

Model Number : S-UA1
Serial Number : LTC74803704
FCC ID : DZL211089
Manufacturer : Logitech
Power with Data cable : Shielded, Undetachable, 1.5m with DC 5V

2.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-1992.

Radiated testing was performed at an antenna to EUT distance of 3 meters.

2.4 Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21-27
Humidity (%RH)	25-75	60-65
Barometric pressure (mbar)	860-1060	950-1000

FCC Site Description : Aug. 10, 1995 File on
Federal Communication Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046
Reference 31040/SIT1300F2

NVLAP Lab Code : 200085-0
United States Department of commerce
National Institute of Standards and Technology
National Voluntary Laboratory Accreditation Program

Name of firm : Global EMC Standard Tech. Corp.

Site location : No. 3 Pau-Tou Valley, Chia-Pau Tsuen, Lin Kou
Tsiang, Taipei Country, Taiwan, R.O.C.

3.5EUT Exercise Software

The EUT exercise program used during conducted testing was designed to exercise the EUT in a manner similar to a typical use. The exercise sequence is listed as below:

- 3.5.1 Setup the EUT and simulators as shown on 3.2.
- 3.5.2 Turn on the power of all equipments.
- 3.5.3 Boot the PC form Hard Disk.
- 3.5.4 Play CD Disk Music in windows environment.
- 3.5.5 PC sent "H" Pattern to Both LCD Panel And Ext. Monitor.
- 3.5.6 PC sent "H" Pattern to Parallel (printer) port.
- 3.5.7 PC sent "H" Pattern to Serial port.
- 3.5.8 Repeat 3.5.5 to 3.5.7

3.6Conducted Emission Data

The measurement range of conducted emission which is from 0.45 MHz to 30 MHz was investigated. All readings are quasi-peak and average values with a resolution Bandwidth of 9 KHz. The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range for all the test modes. Then the worst modes were reported the following data pages.

CONDUCTED EMISSION DATA

Date of Test	: July 14, 1998	Temperature	: 26 °C
EUT	: Notebook PC	Humidity	: 55 %
Test Mode	: Mode 1	Display Pattern	: H Pattern

FREQUENCY		READING LEVEL			LIMITS
		LINE 1		LINE 2	
MHz		dBuV	uV	dBuV	uV
0.49981		26.0	19.95	23.0	14.13
2.71117		24.6	16.98	25.7	19.28
3.92514		33.3	46.24	32.6	42.66
5.42581		30.1	31.99	30.4	33.11
15.28158		26.0	19.95	26.4	20.89

Remarks : 1. All readings are Quasi-peak and average values.

2. " * " means that the quasi-peak reading level is lower then the average limits, it is not necessary to measure the average level.

3. " ** " means that this data is the worse case emission level.

Attached 2 individual pages of peak scan curve data sheets.

CONDUCTED EMISSION DATA

Date of Test	July 21, 1998	Temperature	26 °C
EUT	Notebook PC	Humidity	54 %
Test Mode	Mode 2	Display Pattern	H Pattern

FREQUENCY	READING LEVEL				LIMITS
	LINE 1		LINE 2		
MHz	DBuV	uV	dBuV	uV	uV
0.4830	26.7	21.63	26.9	22.13	250
1.24105	23.3	14.62	22.8	13.80	250
3.386534	37.4	74.13	35.8	61.66	250
17.12055	26.6	21.38	27.0	22.39	250
24.99926	28.6	26.92	24.9	17.58	250

Remarks : 1. All readings are Quasi-peak and average values.

2. " * " means that the quasi-peak reading level is lower then the average limits, it is not necessary to measure the average level.

3. " ** " means that this data is the worse case emission level.

Attached 2 individual pages of peak scan curve data sheets.

CONDUCTED EMISSION DATA

Date of Test	: July 21, 1998	Temperature	: 26.7 °C
EUT	: Notebook PC	Humidity	: 52 %
Test Mode	: Mode 3	Display Pattern	: H Pattern

FREQUENCY		READING LEVEL			LIMITS
	LINE 1		LINE 2		
MHz	dBuV	uV	dBuV	uV	uV
0.48412	24.5	16.79	27.8	24.55	250
0.76044	19.4	9.33	17.6	7.59	250
1.79117	20.3	10.35	20.3	10.35	250
4.54865	34.1	50.70	31.4	37.15	250
16.84382	29.1	28.51	27.3	23.17	250

Remarks : 1. All readings are Quasi-peak and average values.

2. " * " means that the quasi-peak reading level is lower then the average limits, it is not necessary to measure the average level.

3. " ** " means that this data is the worse case emission level.

Attached 2 individual pages of peak scan curve data sheets.

CONDUCTED EMISSION DATA

Date of Test	: July 21, 1998	Temperature	: 26.7 °C
EUT	: Notebook PC	Humidity	: 52 %
Test Mode	: Mode 4	Display Pattern	: H Pattern

FREQUENCY	READING LEVEL				LIMITS
	LINE 1		LINE 2		
MHz	dBuV	uV	dBuV	uV	uV
0.48170	26.8	21.88	28.9	27.86	250
0.68949	21.4	11.75	25.2	18.20	250
1.79379	27.0	22.39	25.6	19.05	250
5.10974	35.8	61.66	36.7	68.39	250
16.43377	30.1	31.99	34.1	50.70	250

Remarks : 1. All readings are Quasi-peak and average values.

2. " * " means that the quasi-peak reading level is lower then the average limits, it is not necessary to measure the average level.

3. " ** " means that this data is the worse case emission level.

Attached 2 individual pages of peak scan curve data sheets.

CONDUCTED EMISSION DATA

Date of Test	July 21, 1998	Temperature	26.7 °C
EUT	Notebook PC	Humidity	52 %
Test Mode	Mode 5	Display Pattern	H Pattern

FREQUENCY	READING LEVEL				LIMITS
	LINE 1		LINE 2		
MHz	DBuV	uV	dBuV	uV	uV
0.50210	27.8	24.55	25.8	19.50	250
0.64281	24.9	17.58	22.2	12.88	250
5.15515	29.2	28.84	19.9	9.89	250
23.1602	29.6	30.20	30.4	33.11	250
27.3633	35.9	62.37	35.3	58.21	250

Remarks : 1. All readings are Quasi-peak and average values.

2. " * " means that the quasi-peak reading level is lower then the average limits, it is not necessary to measure the average level.

3. " ** " means that this data is the worse case emission level.

Attached 2 individual pages of peak scan curve data sheets.

CONDUCTED EMISSION DATA

Date of Test	: July 21, 1998	Temperature	: 26.7 °C
EUT	: Notebook PC	Humidity	: 52 %
Test Mode	: Mode 6	Display Pattern	: H Pattern

FREQUENCY		READING LEVEL			LIMITS
		LINE 1		LINE 2	
MHz		dBuV	uV	dBuV	uV
0.49964		27.5	27.80	25.4	18.62
3.06999		28.4	24.90	29.0	28.18
3.99835		35.5	29.20	35.7	60.95
4.78252		35.6	45.00	35.1	56.89
16.83848		31.1	35.90	31.8	38.90

Remarks : 1. All readings are Quasi-peak and average values.

2. " * " means that the quasi-peak reading level is lower then the average limits, it is not necessary to measure the average level.

3. " ** " means that this data is the worse case emission level.

Attached 2 individual pages of peak scan curve data sheets.

CONDUCTED EMISSION DATA

Date of Test	: August 25, 1998	Temperature	: 29 °C
EUT	: Notebook PC	Humidity	: 48 %
Test Mode	: Mode 7	Display Pattern	: H Pattern

FREQUENCY	READING LEVEL				LIMITS
	LINE 1		LINE 2		
MHz	dBuV	uV	dBuV	uV	uV
1.65907	38.1	80.35	37.8	77.62	250
2.62234	39.9	98.86	37.6	75.86	250
3.14528	40.6	107.15	36.8	69.18	250
5.15489	37.3	73.28	33.9	49.55	250
25.00059	26.8	21.88	27.1	22.65	250

Remarks : 1. All readings are Quasi-peak and average values.

2. " * " means that the quasi-peak reading level is lower then the average limits, it is not necessary to measure the average level.

3. " ** " means that this data is the worse case emission level.

Attached 2 individual pages of peak scan curve data sheets.

GTR 98-F017

4. Radiation Emission Test

4.1 Test Equipment

The following test equipments are used during the radiated emission tests:

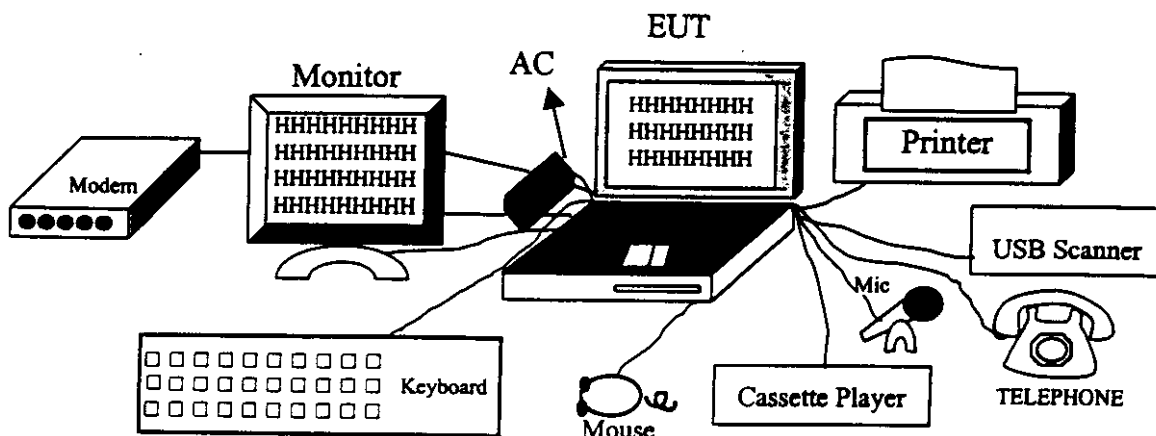
Radiated test was performed on : ☒ Site #1 ☐ Site #2

Instrument	Manufacturer	Type /Serial No.	Last Calibration	Site #1	Site #2
Test Receiver	Rohde & Schwarz	ESVS 30/829007/014	Nov. 15,1997	✓	
Spectrum Analyzer	Anristu	MA2601B/MT16442	Jun. 11,1997	✓	
Pre-Amplifier	HP	7447F/3113A04998	Nov. 16,1997	✓	
Test Receiver	Rohde & Schwarz	ESVS 10/8421122/001	Dec. 26,1997		✓
Spectrum Analyzer	HP	8568B/4315B05847	Jan. 05,1998		✓
Pre Amplifier	HP	8447D/3113A04487	Jan. 05,1998		✓
Antenna 30Mhz-2Ghz	Chase	CBL 6112/2039	May. 16,1998	✓	
Bilog Antenna	Chase	CBL6111/1380	May. 16,1998		✓
Dipole Antenna	Schwarzbeck	VHAP/719,UHAP/736	Jun.11,1997		

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

4.2 Test Setup

4.2.1 Block Diagram of Connections between EUT and simulators



4.4 EUT Configuration

The equipments which is listed 4.2.1 are installed on Radiated Emission Test to meet the Commission requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

4.5 Operating Condition of EUT

Same as Conducted Power Line Test which is listed in 3.5.

4.6 Radiated Emission Data

The measurement range of radiated emission which is from 30 MHz to 2 GHz was investigated. All readings are quasi-peak values with a resolution Bandwidth of 120 KHz. The initial step in collecting radiated emission data is a spectrum analyzer peak scan of the measurement range for all the test modes. Then the worst modes were reported the following data pages.

Radiated Emission Data

Date of Test : 07-22, 1998

Temperature : 26 deg/C

EUT : NOTEBOOK

Humidity : 55 %RH

Working Cond.: MODE 1

Display Pattern: H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Horizontal (dBuV/m)	Emission Level Horizontal (dBuV/m)	(uV/m)	Limits (uV/m)
39.201	0.88	14.78	15.44	31.10	35.90	100
66.358	1.20	6.08	23.10	30.38	33.03	100
128.866	1.63	12.27	13.21	27.11	22.67	150
165.905	2.07	9.75	23.50	35.32	58.37	150
166.425	2.07	9.75	25.16	36.98	70.66	150
194.092	2.14	9.95	22.60	34.69	54.25	150
198.738	2.17	10.11	21.20	33.48	47.23	150
272.045	2.68	12.98	19.33	34.99	56.14	200
319.998	3.02	13.95	22.59	39.57	95.14	200
332.151	3.09	14.17	16.19	33.45	47.04	200
352.004	3.22	14.60	21.25	39.06	89.78	200
364.713	3.32	15.29	10.94	29.55	30.03	200
384.000	3.46	16.17	20.95	40.59	107.01	200
398.144	3.59	16.96	13.81	34.36	52.24	200
417.805	3.67	17.13	9.67	30.47	33.37	200
452.874	3.80	17.44	16.09	37.33	73.56	200
510.525	3.96	18.50	13.37	35.83	61.89	200
530.750	4.08	18.70	13.87	36.65	67.97	200
841.065	5.87	21.31	10.07	37.25	72.87	200

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-22, 1998

Temperature :26 deg/C

EUT :NOTEBOOK

Humidity :55 %RH

Working Cond.:MODE 1

Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
39.218	0.88	14.78	14.96	30.62	33.97	100
66.253	1.20	6.08	18.41	25.69	19.25	100
156.352	2.05	10.20	20.93	33.17	45.57	150
167.134	2.07	9.75	16.20	28.02	25.19	150
186.135	2.06	9.64	15.41	27.10	22.66	150
194.091	2.14	9.95	21.08	33.17	45.54	150
221.050	2.33	11.20	20.85	34.38	52.36	200
243.410	2.46	12.19	24.33	38.99	88.98	200
258.785	2.57	12.67	20.30	35.54	59.86	200
296.529	2.87	13.50	16.38	32.75	43.40	200
320.004	3.02	13.95	17.73	34.71	54.37	200
333.335	3.10	14.20	13.87	31.18	36.21	200
368.651	3.36	15.49	12.30	31.14	36.06	200
388.180	3.51	16.47	20.81	40.79	109.53	200
452.878	3.80	17.44	18.62	39.86	98.44	200
466.104	3.83	17.72	12.53	34.08	50.56	200
517.553	4.00	18.56	16.97	39.53	94.69	200
582.271	4.39	19.22	13.07	36.68	68.21	200
646.954	4.69	19.97	14.39	39.04	89.57	200

Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-24,1998 Fri Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :60 %RH
 Working Cond.:MODE 2 Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level		Limits
(MHz)	Loss	Factor	Horizontal	Horizontal	Horizontal	
	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)	(uV/m)
39.208	0.88	14.78	12.61	28.27	25.92	100
66.515	1.20	6.08	18.53	25.81	19.51	100
74.013	1.28	6.63	13.92	21.83	12.35	100
86.021	1.40	8.36	14.07	23.83	15.55	100
129.394	1.63	12.27	15.03	28.93	27.96	150
166.100	2.07	9.75	23.41	35.23	57.76	150
194.088	2.14	9.95	21.91	34.00	50.10	150
208.902	2.26	10.65	17.78	30.69	34.24	150
243.408	2.46	12.19	24.10	38.76	86.65	200
250.001	2.50	12.47	28.17	43.13	143.42	200
265.530	2.62	12.80	21.26	36.68	68.23	200
300.001	2.91	13.60	16.94	33.45	47.02	200
323.482	3.05	14.03	21.88	38.95	88.62	200
352.002	3.22	14.60	21.85	39.66	96.21	200
384.000	3.46	16.17	18.42	38.06	79.97	200
388.175	3.51	16.47	20.82	40.80	109.65	200
425.001	3.70	17.19	14.59	35.48	59.43	200
500.002	3.90	18.39	16.47	38.75	86.64	200
601.763	4.50	19.42	11.70	35.63	60.45	200

- Remarks:
1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-24,1998 Fri Temperature :26 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :60 %RH
 Working Cond.:MODE 2 Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
39.207	0.88	14.78	11.68	27.34	23.29	100
86.021	1.40	8.36	17.32	27.08	22.60	100
129.393	1.63	12.27	13.89	27.79	24.52	150
156.348	2.05	10.20	20.04	32.28	41.13	150
165.985	2.07	9.75	22.53	34.35	52.20	150
174.999	2.03	9.56	18.83	30.42	33.18	150
194.088	2.14	9.95	17.89	29.98	31.54	150
250.001	2.50	12.47	16.39	31.35	36.95	200
258.789	2.57	12.67	20.30	35.54	59.86	200
275.003	2.69	13.02	10.90	26.61	21.41	200
299.200	2.89	13.54	12.64	29.07	28.41	200
352.000	3.22	14.60	12.08	29.89	31.24	200
384.000	3.46	16.17	22.29	41.93	124.86	200
388.180	3.51	16.47	16.20	36.18	64.42	200
425.003	3.70	17.19	9.17	30.06	31.84	200
452.873	3.80	17.44	15.14	36.38	65.94	200
500.004	3.90	18.39	17.61	39.89	98.79	200
517.574	4.00	18.56	16.73	39.29	92.11	200
528.075	4.07	18.68	12.32	35.06	56.65	200

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-23,1998 Thu Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 3 Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level		Limits
	Loss	Factor	Horizontal	Horizontal		
(MHz)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)	(uV/m)
66.305	1.20	6.08	18.30	25.58	19.00	100
86.016	1.40	8.36	13.96	23.72	15.35	100
135.171	1.72	11.80	15.09	28.61	26.93	150
159.747	2.09	10.06	21.13	33.28	46.13	150
165.840	2.07	9.75	20.12	31.94	39.55	150
180.410	2.00	9.40	24.08	35.48	59.45	150
186.136	2.06	9.64	22.47	34.16	51.08	150
200.453	2.20	10.20	24.16	36.56	67.30	150
214.772	2.29	10.92	26.05	39.27	91.92	150
240.039	2.44	12.01	21.60	36.05	63.47	200
298.496	2.89	13.54	18.22	34.65	54.00	200
319.495	3.02	13.95	15.95	32.93	44.29	200
331.779	3.09	14.17	19.13	36.39	65.99	200
398.148	3.59	16.96	16.20	36.75	68.79	200
481.087	3.86	18.03	13.65	35.54	59.87	200
841.901	5.87	21.31	10.49	37.67	76.48	200
962.174	6.35	22.23	5.72	34.30	51.88	501

Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-23,1998 Thu Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 3 Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
39.225	0.88	14.78	11.53	27.19	22.89	100
86.020	1.40	8.36	23.67	33.43	46.96	100
165.790	2.08	9.80	22.38	34.26	51.65	150
184.326	2.04	9.56	13.76	25.36	18.53	150
200.456	2.20	10.20	17.59	29.99	31.59	150
214.774	2.29	10.92	21.30	34.52	53.20	150
228.515	2.37	11.47	20.45	34.29	51.81	200
260.596	2.59	12.72	16.86	32.16	40.56	200
298.680	2.89	13.54	14.79	31.22	36.38	200
331.782	3.09	14.17	15.94	33.20	45.71	200
380.933	3.45	16.08	16.85	36.37	65.87	200
440.996	3.76	17.32	21.80	42.88	139.29	200
449.018	3.79	17.38	17.15	38.32	82.44	200
453.031	3.81	17.48	17.91	39.20	91.16	200
469.061	3.84	17.79	17.12	38.75	86.62	200
521.177	4.02	18.60	18.26	40.88	110.65	200
561.268	4.26	19.00	16.36	39.62	95.75	200
641.451	4.66	19.90	15.77	40.33	103.87	200
786.446	5.62	20.77	4.61	31.01	35.50	200

- Remarks:
1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-23,1998 Thu Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 4 Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Horizontal (dBuV/m)	Emission Level Horizontal (dBuV/m)	(uV/m)	Limits (uV/m)
41.389	0.92	12.30	9.81	23.03	14.17	100
86.021	1.40	8.36	12.02	21.78	12.28	100
135.171	1.72	11.80	20.16	33.68	48.28	150
140.322	1.81	11.30	17.49	30.60	33.90	150
166.045	2.07	9.75	23.31	35.13	57.10	150
186.136	2.06	9.64	21.51	33.20	45.73	150
188.424	2.08	9.72	14.72	26.51	21.17	150
198.580	2.17	10.11	16.56	28.84	27.68	150
214.775	2.29	10.92	19.65	32.87	44.00	150
250.001	2.50	12.47	26.11	41.07	113.14	200
260.594	2.59	12.72	19.94	35.24	57.82	200
282.627	2.76	13.19	21.15	37.10	71.61	200
307.208	2.94	13.71	20.87	37.52	75.14	200
319.495	3.02	13.95	15.35	32.33	41.34	200
331.782	3.09	14.17	14.36	31.62	38.10	200
375.001	3.40	15.78	11.22	30.40	33.12	200
417.799	3.67	17.13	14.31	35.11	56.92	200
481.090	3.86	18.03	7.10	28.99	28.17	200
525.004	4.05	18.64	3.39	26.07	20.12	200

Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-23,1998 Thu

Temperature :27 deg/C

EUT :NOTEBOOK AMBER 2.0

Humidity :70 %RH

Working Cond.:MODE 4

Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
80.014	1.39	7.30	18.58	27.27	23.10	100
116.020	1.48	12.40	14.61	28.49	26.58	150
140.323	1.81	11.30	15.49	28.60	26.93	150
157.497	2.09	10.06	20.09	32.24	40.93	150
186.135	2.06	9.64	25.56	37.25	72.90	150
200.456	2.20	10.20	20.81	33.21	45.76	150
214.773	2.29	10.92	21.37	34.59	53.63	150
228.514	2.37	11.47	16.84	30.68	34.19	200
260.592	2.59	12.72	18.13	33.43	46.95	200
300.683	2.91	13.60	17.49	34.00	50.09	200
336.052	3.12	14.24	13.94	31.29	36.70	200
400.930	3.60	17.00	16.05	36.65	68.03	200
440.997	3.76	17.32	20.13	41.21	114.92	200
453.034	3.81	17.48	14.77	36.06	63.51	200
481.090	3.86	18.03	20.60	42.49	133.27	200
509.146	3.95	18.48	14.87	37.30	73.29	200
521.178	4.02	18.60	17.52	40.14	101.62	200
561.266	4.26	19.00	16.29	39.55	94.98	200
625.002	4.60	19.71	13.69	38.00	79.42	200

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-23,1998 Thu Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 5 Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Horizontal (dBuV/m)	Emission Level Horizontal (dBuV/m)	(uV/m)	Limits (uV/m)
55.131	1.10	7.05	21.07	29.22	28.89	100
84.195	1.40	8.01	21.43	30.84	34.83	100
120.273	1.51	12.90	20.44	34.85	55.30	150
157.498	2.09	10.06	24.34	36.49	66.76	150
165.335	2.08	9.80	26.20	38.08	80.19	150
198.810	2.20	10.20	21.83	34.23	51.46	150
208.901	2.26	10.65	22.53	35.44	59.17	150
225.510	2.36	11.38	27.06	40.80	109.59	200
243.406	2.46	12.19	23.13	37.79	77.50	200
250.005	2.50	12.47	24.19	39.15	90.70	200
270.345	2.66	12.93	22.63	38.23	81.53	200
307.206	2.94	13.71	21.00	37.65	76.27	200
331.784	3.09	14.17	16.03	33.29	46.18	200
380.675	3.45	16.08	15.70	35.22	57.71	200
500.001	3.90	18.39	15.84	38.12	80.57	200
625.005	4.60	19.71	7.24	31.55	37.79	200
725.009	5.25	20.20	5.51	30.97	35.34	200
750.003	5.40	20.40	6.80	32.60	42.66	200
875.003	5.95	21.66	12.38	39.99	99.87	200

Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-23,1998 Thu Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 5 CPU:P266MHz Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level		Limits
	Loss	Factor	Vertical	Vertical		
(MHz)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)	(uV/m)
61.145	1.20	5.96	21.01	28.17	25.61	100
127.295	1.60	12.43	20.43	34.46	52.84	150
140.317	1.81	11.30	19.53	32.64	42.88	150
140.321	1.81	11.30	19.85	32.96	44.49	150
165.748	2.08	9.80	20.55	32.43	41.84	150
171.392	2.05	9.65	21.61	33.32	46.32	150
186.133	2.06	9.64	21.67	33.36	46.58	150
199.145	2.20	10.20	19.08	31.48	37.50	150
208.902	2.26	10.65	14.71	27.62	24.05	150
225.509	2.36	11.38	22.38	36.12	63.94	200
240.042	2.44	12.01	23.35	37.80	77.63	200
300.678	2.91	13.60	14.16	30.67	34.14	200
331.790	3.09	14.17	13.60	30.86	34.91	200
355.807	3.25	14.80	15.42	33.46	47.11	200
360.818	3.29	15.09	16.43	34.81	55.04	200
385.870	3.48	16.27	17.17	36.92	70.16	200
400.906	3.60	17.00	15.32	35.92	62.55	200
446.006	3.79	17.36	16.35	37.50	74.98	200
466.099	3.83	17.72	18.64	40.19	102.17	200

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-14,1998

Temperature :27 deg/C

EUT :NOTEBOOK AMBER 2.0

Humidity :70 %RH

Working Cond.:MODE 6

Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level		Limits
	Loss	Factor	Horizontal	Horizontal		
(MHz)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)	(uV/m)
40.090	0.92	12.30	7.69	20.91	11.10	100
131.550	1.66	12.11	18.59	32.36	41.51	150
166.210	2.07	9.75	22.59	34.41	52.56	150
232.530	2.39	11.65	22.68	36.72	68.56	200
240.029	2.44	12.01	24.59	39.04	89.55	200
288.003	2.79	13.28	22.69	38.77	86.75	200
298.923	2.89	13.54	25.67	42.10	127.32	200
307.211	2.94	13.71	25.34	41.99	125.71	200
331.780	3.09	14.17	21.54	38.80	87.09	200
528.051	4.07	18.68	11.68	34.42	52.63	200
811.029	5.74	21.00	11.28	38.02	79.63	200

Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :07-14,1998

Temperature :27 deg/C

EUT :NOTEBOOK AMBER 2.0

Humidity :70 %RH

Working Cond.:MODE 6

Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
33.355	0.86	18.40	13.25	32.51	42.22	100
84.200	1.40	8.01	22.36	31.77	38.77	100
127.292	1.60	12.43	21.12	35.15	57.21	150
135.309	1.72	11.80	21.73	35.25	57.84	150
145.326	1.87	11.02	21.26	34.16	51.03	150
166.125	2.07	9.75	24.68	36.51	66.88	150
172.037	2.04	9.60	23.54	35.19	57.45	150
186.135	2.06	9.64	18.66	30.35	32.94	150
198.965	2.20	10.20	14.63	27.03	22.46	150
232.528	2.39	11.65	18.52	32.56	42.47	200
298.725	2.89	13.54	16.50	32.93	44.30	200
307.211	2.94	13.71	15.38	32.03	39.94	200
364.750	3.32	15.29	7.59	26.20	20.42	200
400.902	3.60	17.00	13.00	33.60	47.88	200
415.935	3.66	17.11	14.89	35.66	60.69	200
614.414	4.55	19.57	14.58	38.70	86.10	200
811.029	5.74	21.00	11.25	37.99	79.35	200

Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.

2. " * ", means this data is worse case emission level.

3. Emission Level = Reading Level + Antenna Factor + Cable loss

4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :08-24,1998 Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 7 Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Horizontal (dBuV/m)	Emission Level Horizontal (dBuV/m)	(uV/m)	Limits (uV/m)
60.875	1.20	5.90	14.75	21.85	12.37	100
128.867	1.63	12.27	20.97	34.87	55.40	150
156.357	2.05	10.20	19.72	31.96	39.65	150
167.136	2.07	9.75	19.30	31.12	35.99	150
177.923	2.01	9.46	15.63	27.10	22.65	150
194.091	2.14	9.95	23.81	35.90	62.35	150
217.258	2.30	11.02	16.85	30.17	32.25	200
240.043	2.44	12.01	22.82	37.27	73.04	200
282.632	2.76	13.19	18.86	34.81	55.01	200
298.331	2.89	13.54	18.07	34.50	53.08	200
323.487	3.05	14.03	20.54	37.61	75.95	200
372.000	3.37	15.58	17.23	36.18	64.45	200
388.182	3.51	16.47	17.62	37.60	75.86	200
452.880	3.80	17.44	15.54	36.78	69.05	200
569.995	4.32	19.10	15.15	38.57	84.81	200
598.960	4.50	19.40	15.11	39.01	89.19	200
629.984	4.62	19.75	15.33	39.70	96.62	200
774.162	5.55	20.66	13.99	40.20	102.30	200

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worst case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :08-24,1998 Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 7 Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits	
	Loss	Factor	Vertical	Vertical		
(MHz)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)	(uV/m)
80.874	1.40	7.65	22.24	31.29	36.71	100
135.175	1.72	11.80	18.82	32.34	41.38	150
156.350	2.05	10.20	20.54	32.78	43.57	150
167.134	2.07	9.75	24.28	36.10	63.85	150
172.038	2.04	9.60	21.83	33.48	47.19	150
194.093	2.14	9.95	26.56	38.65	85.58	150
208.900	2.26	10.65	20.57	33.48	47.21	150
221.050	2.33	11.20	20.78	34.31	51.94	200
231.829	2.39	11.65	21.57	35.61	60.34	200
258.789	2.57	12.67	22.86	38.10	80.38	200
307.205	2.94	13.71	17.92	34.57	53.50	200
323.483	3.05	14.03	19.30	36.37	65.85	200
368.650	3.36	15.49	17.35	36.19	64.49	200
388.180	3.51	16.47	21.21	41.19	114.69	200
452.875	3.80	17.44	19.77	41.01	112.37	200
517.575	4.00	18.56	17.63	40.19	102.17	200
649.988	4.71	20.00	15.10	39.81	97.81	200
691.759	5.04	20.00	15.32	40.36	104.25	200
699.992	5.10	20.00	14.79	39.89	98.74	200

- Remarks:
1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :08-17,1998 Mon Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 1 PEAK+AVG Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Horizontal (dBuV/m)	Emission Level Horizontal (dBuV/m)	(uV/m)	Limits (uV/m)
1288.663	7.16	23.87	39.67	35.47	59.33	500 PK
1288.663	7.16	23.87	27.59	23.39	14.77	500 AV
1351.724	7.31	24.26	31.67	28.11	25.43	500 AV
1351.724	7.31	24.26	40.26	36.69	68.34	500 PK
1664.253	8.03	25.73	45.28	44.20	162.26	500 PK
1664.253	8.03	25.73	37.26	36.18	64.45	500 AV

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss-
 Amp Factor(35.24,35.14, 34.83)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :08-17,1998 Mon Temperature :27 deg/C
EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
Working Cond.:MODE 1 PEAK+AVG Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
1288.659	7.16	23.87	41.26	37.06	71.25	500 PK
1288.659	7.16	23.87	33.68	29.48	29.77	500 AV
1563.523	7.79	25.37	43.26	41.55	119.57	500 PK
1563.523	7.79	25.37	35.26	33.55	47.60	500 AV

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is worse case emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss-
Amp Factor(35.24, 35.87)
4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test : 08-17, 1998 Mon Temperature : 27 deg/C
 EUT : NOTEBOOK AMBER 2.0 Humidity : 70 %RH
 Working Cond.: MODE 2 PEAK+AVG Display Pattern: H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level		Limits
	Loss	Factor	Horizontal	Horizontal		
(MHz)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)	(uV/m)
1102.327	6.73	22.83	39.58	33.61	47.90	500 PK
1102.327	6.73	22.83	27.56	21.59	12.00	500 AV
1671.342	8.04	25.80	41.67	40.68	108.17	500 PK
1671.342	8.04	25.80	32.67	31.68	38.38	500 AV

- Remarks:
1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss -
Amp Factor(35.54, 35.83)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test : 08-17, 1998 Mon Temperature : 27 deg/C
EUT : NOTEBOOK AMBER 2.0 Humidity : 70 %RH
Working Cond.: MODE 2 PEAK+AVG Display Pattern: H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
1288.663	7.16	23.87	39.58	35.37	58.71	500 PK
1288.663	7.16	23.87	34.52	30.32	32.79	500 AV
1563.526	7.79	25.37	41.28	39.57	95.19	500 PK
1563.526	7.79	25.37	33.48	31.77	38.78	500 AV

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is worse case emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss-
Amp Factor(35.24, 34.87)
4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :08-17,1998 Mon Temperature :27 deg/C
EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
Working Cond.:MODE 3 PEAK+AVG Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Horizontal (dBuV/m)	Emission Level Horizontal (dBuV/m)	(uV/m)	Limits (uV/m)
1288.657	7.16	23.87	38.64	34.44	52.70	500 PK
1288.657	7.16	23.87	29.43	25.23	18.25	500 AV
1453.267	7.54	24.99	39.58	37.14	71.94	500 PK
1453.267	7.54	24.99	27.59	25.15	18.09	500 AV
1664.237	8.03	25.73	30.57	29.49	29.83	500 AV
1664.237	8.03	25.73	41.28	40.20	102.38	500 PK

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is worse case emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss-
Amp Factor(35.24, 34.98, 34.83)
4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test : 08-17, 1998 Mon Temperature : 27 deg/C
 EUT : NOTEBOOK AMBER 2.0 Humidity : 70 %RH
 Working Cond.: MODE 3 PEAK+AVG Display Pattern: H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
1288.659	7.16	23.87	41.38	37.18	72.24	500 PK
1288.659	7.16	23.87	32.75	28.55	26.75	500 AV
1664.253	8.03	25.73	40.67	39.59	95.43	500 PK
1664.253	8.03	25.73	31.48	30.40	33.13	500 AV

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss-
 Amp Factor(35.24, 34.83)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test : 08-17, 1998 Mon Temperature : 27 deg/C
 EUT : NOTEBOOK AMBER 2.0 Humidity : 70 %RH
 Working Cond.: MODE 4 PEAK+AVG Display Pattern: H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits	
(MHz)	Loss	Factor	Horizontal	Horizontal	(uV/m)	(uV/m)
	(dB)	(dB)	(dBuV/m)	(dBuV/m)		
1272.948	7.13	23.89	39.67	35.42	59.01	500 PK
1272.948	7.13	23.89	30.27	26.02	20.00	500 AV
1403.220	7.43	24.65	40.27	37.29	73.22	500 PK
1403.220	7.43	24.65	31.57	28.59	26.89	500 AV

- Remarks:
1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss-
Amp Factor(35.26, 35.06)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :08-17,1998 Mon Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 4 PEAK+AVG Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m) (uV/m)		Limits (uV/m)
1201.027	6.96	23.33	38.59	33.50	47.34	500 PK
1201.027	6.96	23.33	27.55	22.46	13.28	500 AV
1351.713	7.31	24.26	41.29	37.73	76.96	500 PK
1351.713	7.31	24.26	32.67	29.11	28.53	500 AV
1660.449	8.02	25.70	31.45	30.33	32.84	500 AV
1660.449	8.02	25.70	40.28	39.16	90.77	500 PK

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss-
 Amp Factor(35.38, 35.14, 34.84)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :08-17,1998 Mon Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 5 PEAK+AVG Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Horizontal (dBuV/m)	Emission Level Horizontal (dBuV/m)	(uV/m)	Limits (uV/m)
1272.951	7.13	23.89	38.59	34.34	52.11	500 PK
1272.951	7.13	23.89	26.58	22.33	13.08	500 AV
1403.213	7.43	24.65	31.29	28.31	26.04	500 AV
1403.213	7.43	24.65	42.25	39.27	91.97	500 PK
1657.483	8.01	25.68	32.68	31.54	37.74	500 AV
1657.483	8.01	25.68	40.27	39.13	90.42	500 PK

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss-
 Amp Factor(35.26, 35.06, 34.84)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test : 08-17, 1998 Mon Temperature : 27 deg/C
 EUT : NOTEBOOK AMBER 2.0 Humidity : 70 %RH
 Work: ~~14~~ Cond.: MODE 5 PEAK+AVG Display Pattern: H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
1202.731	6.97	23.35	40.57	35.51	59.66	500 PK
1202.731	6.97	23.35	31.24	26.18	20.38	500 AV
1574.14A	7.82	25.42	39.57	37.95	78.94	500 PK
1574.14A	7.82	25.42	27.58	25.96	19.85	500 AV

- Remarks:
1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss -
Amp Factor (35.38, 34.87)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :08-17,1998 Mon Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 6 PEAK+AVG Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level		Limits
	Loss	Factor	Horizontal	Horizontal		
(MHz)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)	(uV/m)
1272.918	7.13	23.89	36.25	32.00	39.81	500 PK
1272.918	7.13	23.89	27.26	23.01	14.14	500 AV
1353.095	7.31	24.28	38.25	34.71	54.38	500 PK
1353.095	7.31	24.28	29.43	25.89	19.70	500 AV
1661.254	8.02	25.71	30.47	29.37	29.41	500 AV
1661.254	8.02	25.71	37.59	36.49	66.77	500 PK

- Remarks:
1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss-
Amp Factor(35.26, 35.14, 34.84)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :08-17,1998 Mon Temperature :27 deg/C
EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
Working Cond.:MODE 6 PEAK+AVG Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
1272.931	7.13	23.89	29.65	25.40	18.62	500 AV
1272.931	7.13	23.89	39.67	35.42	59.01	500 PK
1661.253	8.02	25.71	40.28	39.18	91.00	500 PK
1661.253	8.02	25.71	32.08	30.98	35.40	500 AV

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is worse case emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss-
Amp Factor(35.26, 34.84)
4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test : 09-06, 1998 Sun Temperature : 27 deg/C
 EUT : NOTEBOOK Humidity : 70 %RH
 Working Cond.: MODE: 7 PEAK+AVG Display Pattern: H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Horizontal (dBuV/m)	Emission Level Horizontal (dBuV/m)	(uV/m)	Limits (uV/m)
1101.172	6.02	21.41	46.31	38.20	81.31	500 PK
1201.304	6.32	22.11	47.75	40.80	109.69	500 AV
1101.172	6.02	21.41	33.47	25.36	18.54	500 AV
1201.304	6.32	22.11	34.49	27.54	23.82	500 PK

- Remarks:
1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss-Amp Factor.
(38.38, 35.06)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :09-06,1998 Sun

Temperature :27 deg/C

EUT :NOTEBOOK

Humidity :70 %RH

Working Cond.:MODE:7 PEAK+AVG

Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
1201.158	6.32	22.10	51.24	44.28	163.77	500 PK
1401.285	6.95	24.71	47.00	43.60	151.38	500 AV
1201.158	6.32	22.10	31.74	24.78	17.34	500 AV
1401.285	6.95	24.71	33.43	30.03	31.73	500 PK

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is worse case emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss-Amp Factor.
(35.54, 35.38)
4. Deviations from the specifications: None.

1. Test Report Certification

Applicant : First International Computer Inc.

Manufacturer : First International Computer Inc.

EUT Description : Notebook PC

(A) Model No. : Amber 2.0

(LaVie NX/VersaPro NX/Avanza NX NB)

(NEC Versa Note/ ZDS Versa Note/ Easy Note)

(B) Serial No. : ProtoType

(C) Power : 110V/60Hz

(D) Rating DC-O/P: 19V

MEASUREMENT PROCEDURE USED :

- CFR 47, Part 15 Radio Frequency Device Subpart B Unintentional Radiators Class B :1996
- CISPR 22 Limits and methods of measurement of radio disturbance characteristics of information technology equipment: 1993
- ANSI C63.4 Methods of Measurements of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9kHz to 40GHz. :1992

THE MEASUREMENT SHOWN IN THE ATTACHMENT WERE MADE IN ACCORDANCE WITH THE PROCEDURES INDICATED, AND THE MAXIMUM ENERGY EMITTED BY THE EQUIPMENT WAS FOUND TO BE WITHIN THE ABOVE LIMITS APPLICABLE.

NVLAP[®]

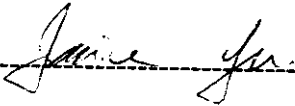
Sample Received Date : September 23, 1998

Final Test Date : October 06, 1998

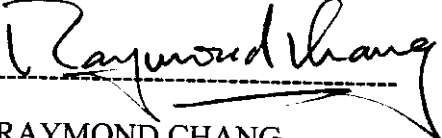
Documented by : Winnie Chiu

Test Engineer :

Approve & Authorized Signer :



JANICE YU



RAYMOND CHANG

This test data shown below is traceable to NIST.

2. General Information

2.1 Production Description

Description : Notebook P.C.

Model Number : Amber 2.0
(LaVie NX/VersaPro NX/Avanza NX NB)
(NEC Versa Note/ ZDS Versa Note / Easy Note)

Serial Number : Prototype

Applicant : First International Computer Inc.

Address : 6F., Formosa Plastics Rear Bldg 201, Tung-Hwa N. Road, Taipei,
Taiwan, R.O.C.

Manufacturer : First International Computer Inc.

Address : 6F., Formosa Plastics Rear Bldg 201, Tung-Hwa N. Road, Taipei,
Taiwan, R.O.C.

CPU : Pentium II 300MHz, Clock: 66MHz.

Power Adaptor : Delta, I/P : 100~240V 1.5A 50~60Hz,
O/P: 19V, 2.46A.

Mode 8: Pentium II 300MHz, Clock: 66MHz, LCD: LG12.1" TFT, Resolution 1024x768.

Note:

1. This Notebook computer can support different CPU/Clock frequency modes and can support different types of LCD panel. The test condition of 300MHz and all the components listed at section 2.2 were investigated. The data shown in this test report reflects the worst-case data for each frequency/video resolution.
2. Actually (LaVie NX/ VersaPro NX/Avanza NX NB) (NEC Versa Note/ ZDS Versa Note/ Easy Note) they are the same of products name, in case of requirement of marketing requirement.

First International Computer / Notebook Computer

FCC ID: EUNC2

Original Application returned to Taiwan by Mellon Bank and not yet located.

Class II Change Application combined into attached copy of missing Original Application.

2.2 Tested System Details

The FCC IDs/Types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards, which have grants) are:

☒ Host Notebook Computer (EUT)

Mode 8	CPU:	LCD:	FDD:	FAX/Modem:	Battery
	Pentium II 300MHz	12.1" TFT M/N: LP121S3-A S/N: N/A	NEC	Askey 56K	Panasonic Li-ION
	Clock:	CD-ROM:	HDD:	AC Adaptor:	LAN
	66MHz	TEAC CD-224E	HITACHI M/N: DK238A-43 S/N: 5302000336	Delta	Non

☒ Monitor M01-010

Model Number : SyncMaster 700p
 Serial Number : H3MH903296Y
 Manufacturer : SAMSUNG
 FCC ID : A3LCGH760
 Data Cable : Shielded, Undetachable, 1.5m
 Power Cord : Shielded, Detachable, 1.5m

☒ Keyboard K01-030

Model Number : KB-5923
 Serial Number : 7L10500809
 FCC ID : E8HKB-5923
 Manufacturer : TATUNG
 Data Cable : Shielded, Undetachable, 2.0 m

☒ Modem M03-003

Model Number : 1414
 Serial Number : 960011400
 FCC ID : IFAXDM1414
 Manufacturer : ACEEX
 Adaptor & Power Cord : Non-Shielded, Detachable, 1.5m
 Data Cable : Shielded, Detachable, 1.2m

☒ Printer P01-012

Model Number : C2642A(DJ-400)
Serial Number : MY7951C4QC
FCC ID : B94C2642X
Manufacturer : HP
Adaptor & Power Cord : AC 110V, 60Hz To DC 30V
: Non-Shielded, Detachable, 1.9m
Data Cable : Shielded, Detachable, 1.8m

☒ Microphone M04-011 ~ 018

Model Number : M02
Serial Number : N/A
FCC ID : N/A
Manufacturer : GALAXY
Data Cable : Non-Shielded, Undetachable, 1.2m

☒ Radio Receiver R02-010 ~014

Model Number : HS-GS162
Serial Number : LYJ1084567
FCC ID : N/A
Manufacturer : AIWA CO., LTD
Power Cord : N/A (Battery)

☒ Scanner (USB) S02-001

Model Number : S-UA1
Serial Number : LTC74803633
FCC ID : DZL211089
Manufacturer : Logitech
Power with Data cable : Shielded, Undetachable, 1.5m with DC 5V

☒ Speaker S01-008 ~015

Model Number : 768
Serial Number : N/A
FCC ID : N/A
Manufacturer : RANBO ENTERPRISE CO.,LTD.
Power Cord : N/A
Data Cable : Non-Shielded, Undetachable, 1.2m

2.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-1992.

Radiated testing was performed at an antenna to EUT distance of 3 meters.

2.4 Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21-27
Humidity (%RH)	25-75	60-65
Barometric pressure (mbar)	860-1060	950-1000

FCC Site Description : Aug. 10, 1995 File on

Federal Communication Commission

FCC Engineering Laboratory

7435 Oakland Mills Road

Columbia, MD 21046

Reference 31040/SIT1300F2

NVLAP Lab Code : 200085-0

United States Department of commerce

National Institute of Standards and Technology

National Voluntary Laboratory Accreditation Program

Name of firm : Global EMC Standard Tech. Corp.

Site location : No. 3 Pau-Tou Valley, Chia-Pau Tsuen, Lin Kou

Tsiang, Taipei Country, Taiwan, R.O.C.

3. Conducted Power Line Test

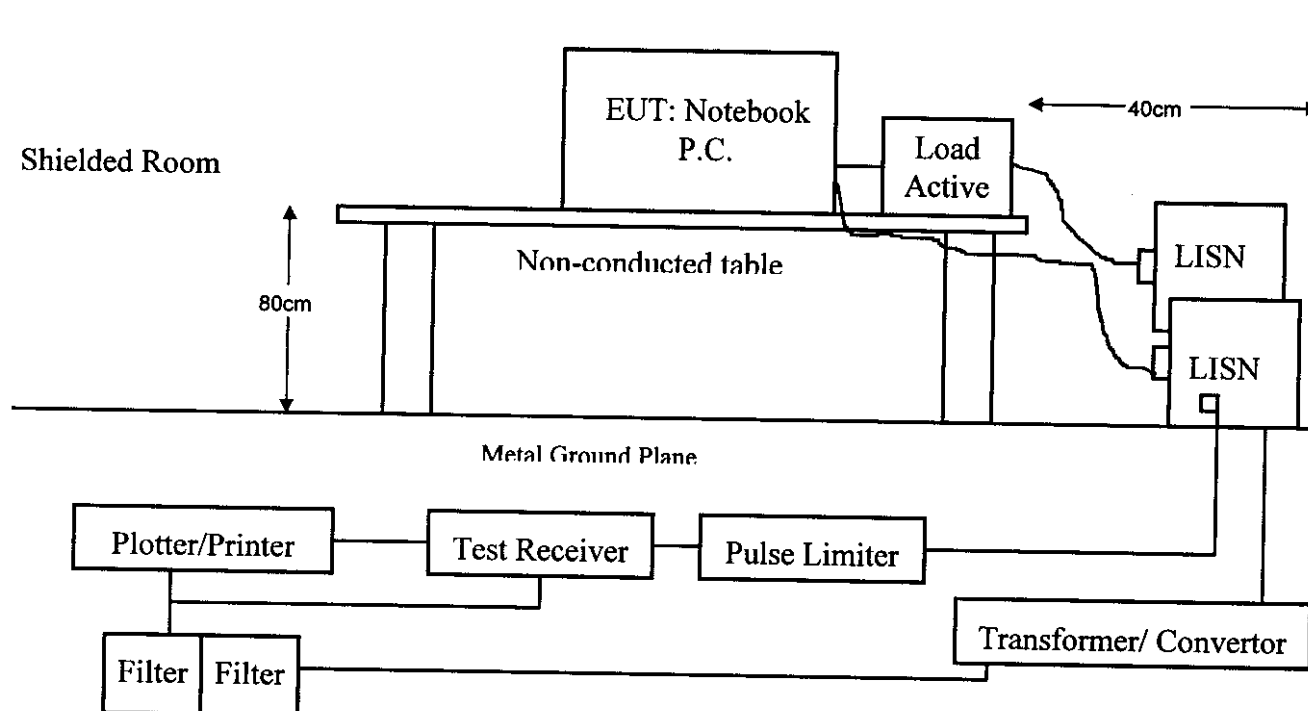
3.1 Test Equipments

The following test equipments are used during the conducted power line tests:

Instrument	Manufacturer	Type /Serial No.	Last Calibration	Location	C.E.
Test Receiver	Rohde & Schwarz	ESHS 30 / 8281091010	Dec. 24, 1997	Shield Room #1	✓
L.I.S.N.	Kyoritsu	KNW-407	Aug. 10, 1998	Shield Room #1	
L.I.S.N.	Solar	8012-50-R24 / 90038	Jun. 02, 1998	Shield Room #1	✓
L.I.S.N.	EMCO	3825/2 / 91111-1902	Aug. 10, 1998	Shield Room #1	
L.I.S.N.	Rohde & Schwarz	ESH3-Z5 / 840567/002	Jun. 02, 1998	Shield Room #1	✓
L.I.S.N.	Schwarzbeck	NNLK 8121	Apr. 10, 1998	Shield Room #1	
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	Jan. 11, 1998	Shield Room #1	✓

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

3.2 Block Diagram of Test Setup



3.3 Conducted Powerline Emission Limit

3.3.1 FCC Limits

Frequency	Maximum RF Line Voltage			
	Class A		Class B	
MHz	uV	dBuV	uV	dBuV
0.45 - 1.705	1000	60.0	250	48.0
1.705 - 30	3000	69.5	250	48.0

Remarks : 1. RF Line Voltage (dBuV) = $20 \log$ RF Line Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3.3.2 CISPR Limits

Frequency	Maximum RF Line Voltage dB(uV)			
	Class A		Class B	
MHz	QUASI-PEAK	AVERAGE	QUASI-PEAK	AVERAGE
0.15 - 0.50	79	66	66-56	56-46
0.50-5.0	73	60	56	46
5.0 - 30	73	60	60	50

Remarks : In the Above Table, the tighter limit applies at the band edges.

3.4 EUT Configuration on Measurement

The equipments which is listed 3.2 are installed on Conducted Power Line Test to meet the Commission requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

3.5EUT Exercise Software

The EUT exercise program used during conducted testing was designed to exercise the EUT in a manner similar to a typical use. The exercise sequence is listed as below:

- 3.5.1 Setup the EUT and simulators as shown on 3.2.
- 3.5.2 Turn on the power of all equipments.
- 3.5.3 Boot the PC form Hard Disk.
- 3.5.4 Play CD Disk Music in windows environment.
- 3.5.5 PC sent "H" Pattern to Both LCD Panel And Ext. Monitor.
- 3.5.6 PC sent "H" Pattern to Parallel (printer) port.
- 3.5.7 PC sent "H" Pattern to Serial port.
- 3.5.8 Repeat 3.5.5 to 3.5.7

3.6Conducted Emission Data

The measurement range of conducted emission which is from 0.45 MHz to 30 MHz was investigated. All readings are quasi-peak and average values with a resolution Bandwidth of 9 KHz. The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range for all the test modes. Then the worst modes were reported the following data pages.

CONDUCTED EMISSION DATA

Date of Test	:	September 25, 1998	Temperature	:	27.1 °C
EUT	:	Notebook PC	Humidity	:	49 %
Test Mode	:	Mode 8	Display Pattern	:	H Pattern

FREQUENCY		READING LEVEL			LIMIT
		LINE 1		LINE 2	
MHz		dBuV	uV	dBuV	uV
0.47749		37.9	78.52	37.9	78.52
1.56893		31.9	39.36	33.0	44.67
3.20477		34.5	53.09	36.1	63.83
4.56939		39.7	96.61	41.6	120.23
13.6377		30.8	34.67	29.4	29.51
22.87873		36.3	65.31	32.9	44.16

Remarks : 1. All readings are Quasi-peak and average values.

2. “ * ” means that the quasi-peak reading level is lower then the average limits,
it is not necessary to measure the average level.

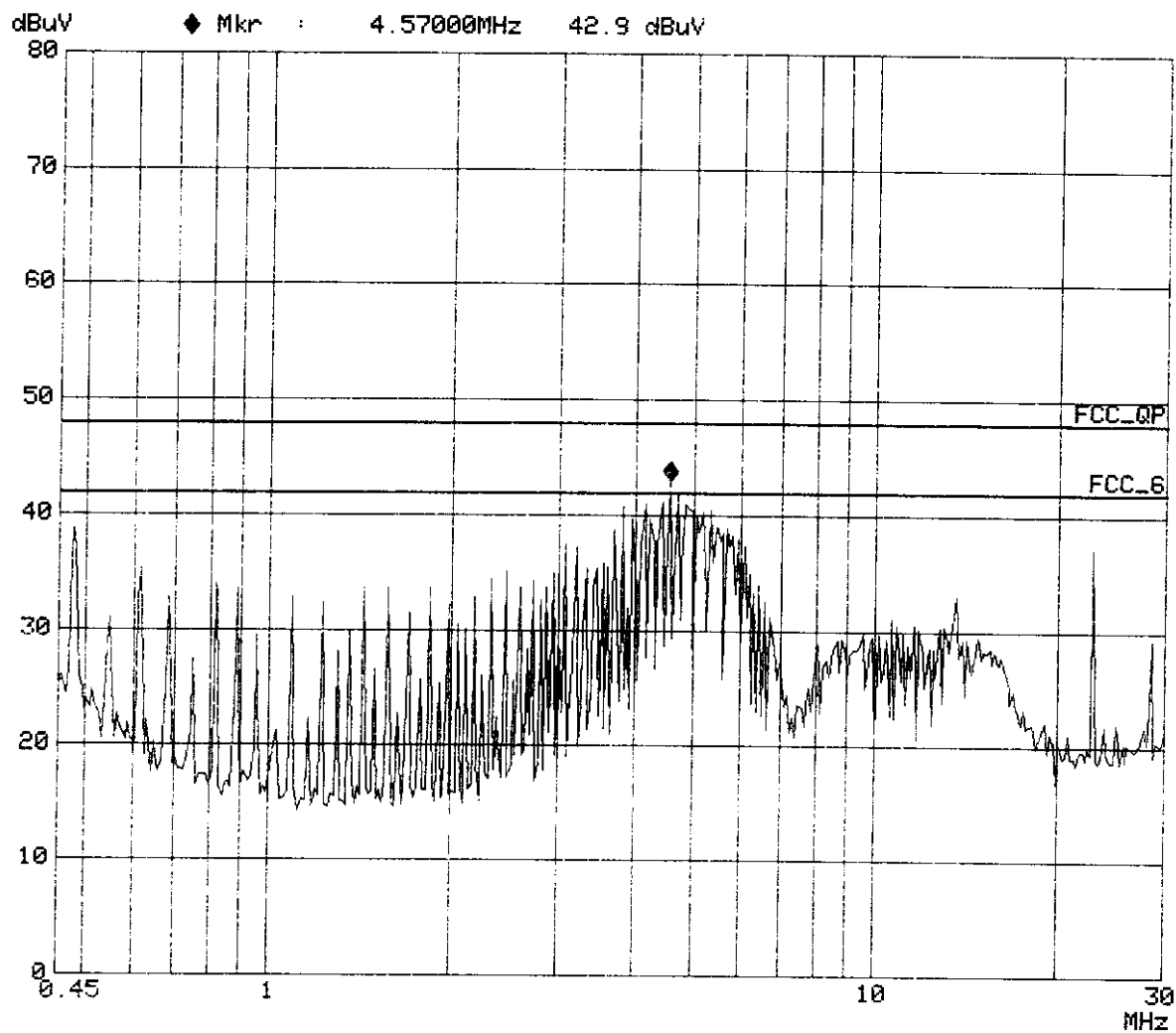
3. “ ** ” means that this data is the worse case emission level.

Attached 2 individual pages of peak scan curve data sheets.

ROHDE&SCHWARZ ESHS30

GESTEK, Power Line Conducted Emission

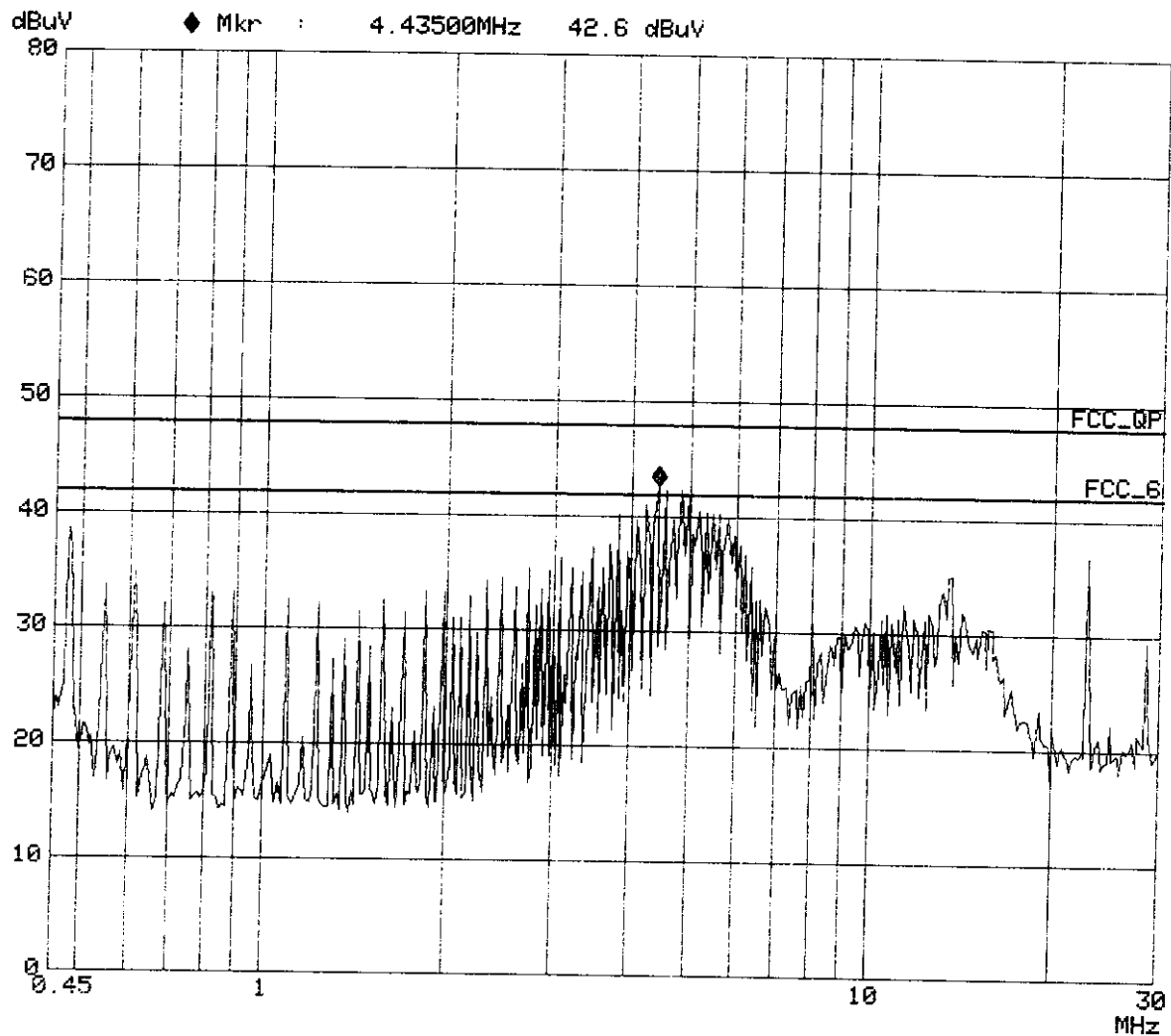
EUT: NOTEBOOK AMBER2.0
Manuf: FIC
Op Cond: 800*600 LG LCD
Operator: IVAN
Test Spec: FCC CLASS B
Comment: Line 2
MODE 8
Date: 25. Sep 98 11:55



ROHDE&SCHWARZ ESHS30

GESTEK, Power Line Conducted Emission

EUT: NOTEBOOK AMBER2.0
Manuf: FIC
Op Cond: 800*600 LG LCD
Operator: IVAN
Test Spec: FCC CLASS B
Comment: Line 1
MODE 8
Date: 25. Sep 98 12:00



4. Radiation Emission Test

4.1 Test Equipment

The following test equipments are used during the radiated emission tests:

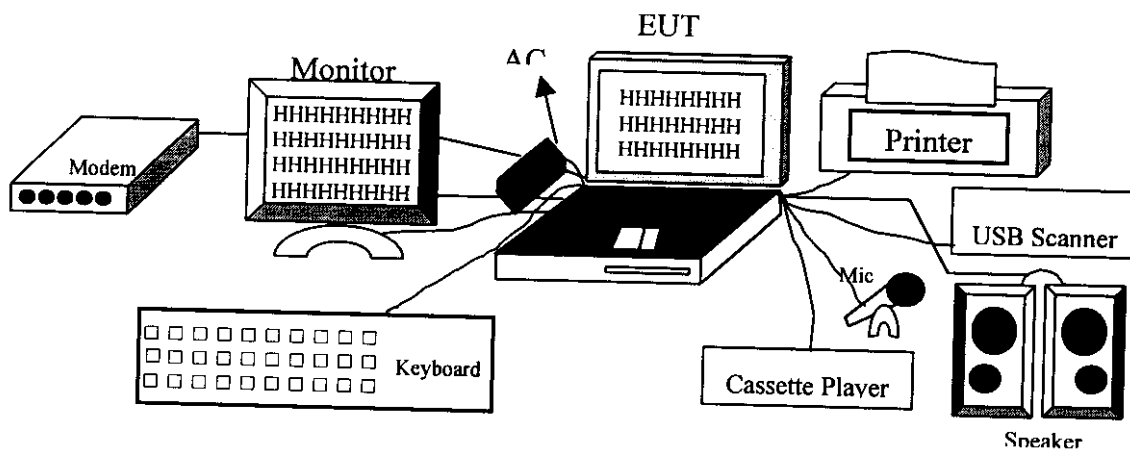
Radiated test was performed on : ☒ Site #1 ☐ Site #2

Instrument	Manufacturer	Type /Serial No.	Last Calibration	Site #1	Site #2
Test Receiver	Rohde & Schwarz	ESVS 30/829007/014	Nov. 15,1997	✓	
Spectrum Analyzer	Anristu	MA2601B/MT16442	Jun. 11,1997	✓	
Pre-Amplifier	HP	7447F/3113A04998	Nov. 16,1997	✓	
Test Receiver	Rohde & Schwarz	ESVS 10/8421122/001	Dec. 26,1997		✓
Spectrum Analyzer	HP	8568B/4315B05847	Jan. 05,1998		✓
Pre Amplifier	HP	8447D/3113A04487	Jan. 05,1998		✓
Antenna 30Mhz-2Ghz	Chase	CBL 6112/2039	May. 16,1998	✓	
Bilog Antenna	Chase	CBL6111/1380	May. 16,1998		✓
Dipole Antenna	Schwarzbeck	VHAP/719,UHAP/736	Jun.11,1997		

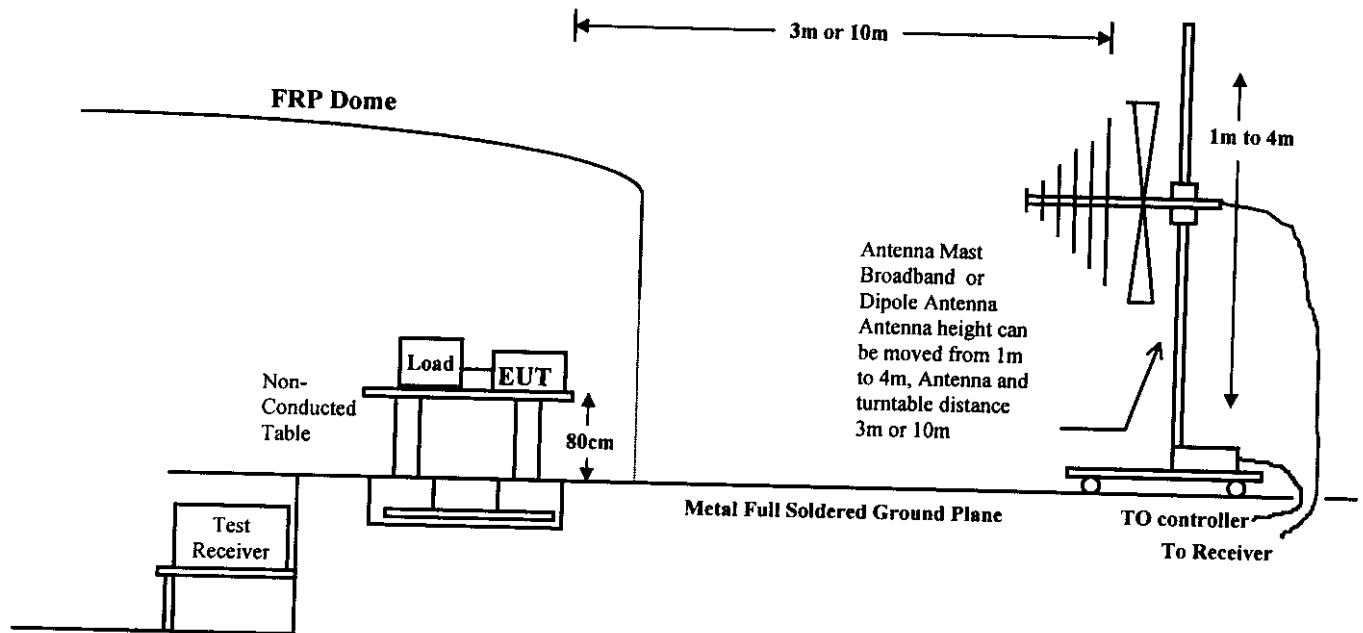
Note: All equipment upon which need to calibrated are with calibration period of 1 year.

4.2 Test Setup

4.2.1 Block Diagram of Connections between EUT and simulators



4.2.2 Open Test Site Setup Diagram



4.3 Radiated Emission Limit

4.3.1 FCC Class B Limits at 3m

Frequency MHz	Distance Meter	Field Strength	
		$\mu\text{V/M}$	$\text{dB}\mu\text{V/M}$
30 - 88	3	100	40.0
88 - 216	3	150	43.5
216 - 960	3	200	46.0
960 - 2000	3	500	54.0

4.3.2 CISPR Class B Limits at 10m

Frequency MHz	Distance Meter	Field Strength
		$\text{dB}(\mu\text{V/M})$
30 - 230	10	30
230 - 1000	10	37

- 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.

4.4 EUT Configuration

The equipments which is listed 4.2.1 are installed on Radiated Emission Test to meet the Commission requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

4.5 Operating Condition of EUT

Same as Conducted Power Line Test which is listed in 3.5.

4.6 Radiated Emission Data

The measurement range of radiated emission which is from 30 MHz to 2 GHz was investigated. All readings are quasi-peak values with a resolution Bandwidth of 120 KHz. The initial step in collecting radiated emission data is a spectrum analyzer peak scan of the measurement range for all the test modes. Then the worst modes were reported the following data pages.

Radiated Emission Data

Date of Test :09-23,1998 Wed Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 8 Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level		Limits
	Loss	Factor	Horizontal	Horizontal		
(MHz)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)	(uV/m)
47.996	1.08	9.73	14.99	25.80	19.49	100
66.401	1.20	6.08	21.50	28.78	27.47	100
128.847	1.63	12.27	20.71	34.61	53.77	150
157.479	2.09	10.06	19.45	31.60	38.02	150
165.925	2.07	9.75	18.74	30.56	33.74	150
180.390	2.00	9.40	19.34	30.74	34.45	150
192.417	2.12	9.87	15.82	27.81	24.57	150
199.392	2.20	10.20	25.56	37.96	79.07	150
208.900	2.26	10.65	19.56	32.47	42.03	150
220.473	2.33	11.20	27.90	41.43	117.91	200
228.483	2.37	11.47	24.46	38.30	82.20	200
232.525	2.39	11.65	27.55	41.59	120.12	200
240.011	2.44	12.01	26.41	40.86	110.42	200
260.561	2.59	12.72	24.63	39.93	99.22	200
299.105	2.89	13.54	24.79	41.22	115.06	200
368.646	3.36	15.49	20.01	38.85	87.60	200
383.993	3.46	16.17	19.68	39.32	92.45	200
466.105	3.83	17.72	7.79	29.34	29.30	200
516.102	4.00	18.56	13.87	36.43	66.27	200
712.712	5.17	20.09	12.47	37.73	77.04	200
811.016	5.74	21.00	8.43	35.17	57.35	200

Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :09-23,1998 Wed Temperature :27 deg/C
 EUT :NOTEBOOK AMBER 2.0 Humidity :70 %RH
 Working Cond.:MODE 8 Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical (dBuV/m)	(uV/m)	Limits (uV/m)
48.003	1.08	9.73	18.43	29.24	28.97	100
68.141	1.20	6.14	19.85	27.19	22.87	100
112.249	1.46	12.09	21.07	34.62	53.80	150
128.848	1.63	12.27	20.41	34.31	51.94	150
200.429	2.20	10.20	18.07	30.47	33.38	150
214.744	2.29	10.92	20.95	34.17	51.10	150
240.514	2.45	12.10	20.71	35.26	57.96	200
260.565	2.59	12.72	15.14	30.44	33.27	200
288.620	2.81	13.32	18.15	34.28	51.78	200
298.920	2.89	13.54	23.01	39.44	93.74	200
320.686	3.02	13.95	14.10	31.08	35.80	200
348.739	3.20	14.50	16.79	34.49	53.03	200
368.644	3.36	15.49	15.95	34.79	54.89	200
383.993	3.46	16.17	17.58	37.22	72.60	200
400.858	3.60	17.00	15.90	36.50	66.86	200
440.942	3.76	17.32	17.47	38.55	84.61	200
468.999	3.84	17.79	16.81	38.44	83.59	200
481.024	3.86	17.99	20.39	42.24	129.44	200
521.113	4.02	18.60	17.59	40.21	102.44	200
561.199	4.26	19.00	17.27	40.53	106.32	200
641.370	4.66	19.90	12.78	37.34	73.62	200
663.562	4.82	20.00	12.21	37.03	71.01	200
721.538	5.23	20.17	12.26	37.66	76.40	200

Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :10-06,1998 Tue

Temperature :27 deg/C

EUT :NOTEBOOK

Humidity :65 %RH

Working Cond.:MODE:8 PK+AV

Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Horizontal (dBuV/m)	Emission Level Horizontal (dBuV/m)	(uV/m)	Limits (uV/m)
1026.310	6.56	21.61	31.55	24.07	15.97	500 PK
1026.310	6.56	21.61	28.42	20.94	11.14	500 AV
1320.954	7.24	23.97	33.54	29.56	30.08	500 PK
1320.954	7.24	23.97	29.43	25.45	18.74	500 AV

- Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.
 2. " * ", means this data is worse case emission level.
 3. Emission Level = Reading Level + Antenna Factor + Cable loss -
 Amp Factor(35.66,35.66,35.19,35.19)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :10-06,1998 Tue

Temperature :27 deg/C

EUT :NOTEBOOK

Humidity :70 %RH

Working Cond.:MODE:8 PK+AV

Display Pattern:H Pattern

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB)	Reading Level Vertical (dBuV/m)	Emission Level Vertical		Limits
				(dBuV/m)	(uV/m)	(uV/m)
1020.326	6.55	21.55	32.00	24.43	16.66	500 PK
1020.326	6.55	21.55	30.42	22.85	13.89	500 AV
1320.254	7.24	23.97	33.61	29.63	30.32	500 PK
1320.254	7.24	23.97	29.32	25.35	18.51	500 AV

Remarks: 1. All Readings below 1GHz are Quasi-Peak, above are average value.

2. " * ", means this data is worse case emission level.

3. Emission Level = Reading Level + Antenna Factor + Cable loss-Amp Factor.
(35.67,35.67,35.19,35.19)

4. Deviations from the specifications: None.