

Test Report
Application for Certification
On Behalf Of
INNOLABS CORPORATION
Notebook PC

Model : 9800

FCC ID : NSB9800

Prepared For:
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First Internation Computer Inc.

Notebook PC
Model No.: 9800

FCC ID: NSB9800

Application No. : 97C026 F
Application Date : Apr. 22, 1998

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GESTEK 98 F011

1. Test Report Certification

Applicant : INNOLABS CORPORATION**Manufacturer : FEATRON TECHNOLOGIES CORPORATION.****EUT Description : Notebook PC****(A) FCC ID : NSB9800****(B) Model No. : 9800****(C) Serial No. : N/A****(D) Power : 100~240V , 50/60Hz****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 FCC LIMITS APPLICABLE.

**Sample Received Date : Dec. 11, 1997****Final Test Date : Mar. 31, 1998****Documented by : Christine Fun****Test Engineer :****Approve & Authorized Signer :**

A handwritten signature in cursive script, reading "Jackie Lin", is written over a horizontal dashed line.

JACKIE LIN

A handwritten signature in cursive script, reading "Terry Chung", is written over a horizontal dashed line.

TERRY CHUNG

This test data shown below is traceable to NIST.

2. General Information

2.1 Production Description

Description	: Notebook PC
Model Number	: 9800
Serial Number	: Prototype
Applicant	: INNOLABS CORPORATION
Address	: 2F-4, No. 16, Lane 609, Sec. 5 Chung Hsin Road, San Chung City, Taipei Hsien, Taiwan.
Manufacturer	: FEATRON TECHNOLOGIES CORPORATION
Address	: 16-6, Tze Chian 1 Road, Chungli Industrial Park Chungli, Taoyuan, Taiwan.
FCC ID	: N/A
CPU	: 1. Intel 233 MHz, Clock: 66MHz 2. Intel 266 MHz, Clock: 66MHz 3. Pentium II 266 MHz, Clock: 66MHz
Adaptor	: LITEON, PA-1600-19FI I/P: 100~240V, 1.5A, 50~60Hz O/P: 19V, 3.2A Max. 60.8W
Test mode	: Mode 1. Resolution: 1024 x 768, w/CRT, Non-interlaced, 266 MHz, LCD Panel #1: SAMSUNG, LT133X1-104, 13.3" Mode 2. Resolution: 800 x 600, Non-interlaced, 233 MHz, LCD Panel #1: SAMSUNG, LT133X1-104, 13.3" Mode 3. Resolution: 1024 x 768, w/CRT, Non-interlaced, 266 MHz, LCD Panel #2: L.G., LP141X1 Mode 4. Resolution: 800 x 600, Non-interlaced, 233 MHz, LCD Panel #2: L.G., LP141X1 Mode 5. Resolution: 640 x 480, TV out, Non-interlaced, 266 MHz LCD Panel #2: SAMSUNG, LT133X1-104, 13.3" Mode 6. Resolution: 1024 x 768, Non-interlaced, Pentium II 266 MHz LCD Panel #3: L.G., LP141X2-B, 14.1"

Note: 1 This Notebook PC can support two differential CPU/Clock frequency modes up to 266MHz. All available option were investigated. The data show in this test report reflects the worst-case data for each clock frequency/video resolution and for each option listed in Section 2.2.

2.2 Tested System Details

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

☒ Host Notebook PC (EUT)

Model Number	: 9800
Serial Number	: N/A
FCC ID	: N/A
Manufacturer	: FEATRON TECHNOLOGIES CORPORATION
CPU # 1	: Intel 233MHz, Clock: 66MHz
CPU # 2	: Intel 266MHz, Clock: 66MHz
CPU # 3	: Pentium II 266MHz, Clock: 66MHz
Floppy Disk Driver	: TEAC, M/N. FD-05HG
Hard Disk Driver	: Toshiba, M/N. MK2103MAV
LCD Panel (# 1)13.3"	: SAMSUNG, LT133X1-104
LCD Panel (# 2)14.1"	: L.G., LP141X1
LCD Panel (# 3)14.1"	: L.G., LP141X2-B, 14.1"
Mother Board	: Featron Technologies Corp, Model No. M.B.9700
CD-ROM	: Toshiba, M/N. XM-1602B
Battery Pack	: SONY, LIP9020
Li-ION Battery Pack	: Molicell, 2700mAH/14.4V
Modem Card	: Archtek Telecom Corp., 56MRDI
I/O Board	: on board
Adaptor	: LITEON, PA-1600-19FI
Power Cord	: Non-Shielded, Detachable., 1.7m

☒ Monitor

Model Number	: E447AU
Serial Number	: 531DN000K00214
FCC ID	: GKR447A
Manufacturer	: COMPAL
Data Cable	: Shielded, Undetachable, 1.5m
Power Cord	: Shielded, Detachable, 1.8m

☒ Keyboard(PS2)

Model Number	: 5140
Serial Number	: 867110112
FCC ID	: E5XKBM10410
Manufacturer	: BTC
Data Cable	: Sheiled, Undetachable, 1.2 m

☒ Modem

Model Number : 1414
Serial Number : 960018041
FCC ID : IFAXDM1414
Manufacturer : ACEEX
Adaptor & Power Cord : Non-Shielded, Detachable, 1.5m
Data Cable : Shielded, Detachable, 1.2m

☒ Printer

Model Number : 2225C+
Serial Number : 3029S78093
FCC ID : DSI6XU2225
Manufacturer : HP
Adaptor & Power Cord : Non-Shielded, Detachable, 1.9m
Data Cable : Shielded, Detachable, 1.2m

☒ LCD PROJECTOR

Model Number : CPJ-200
Serial Number : 87881
FCC ID : N/A
Manufacturer : SONY
Power Cord : Non-Shielded, Detachable, 1.8m
Data Cable : Shielded, Detachable, 1.2m*4

☒ Mouse(USB)

Model Number : LTC70500572
Serial Number : N/A
FCC ID : N/A
Manufacturer : LOGITECH
Data Cable : Shielded, Undetachable, 1.5m

☒ Microphone

Model Number : N/A
Serial Number : N/A
FCC ID : N/A
Manufacturer : AIWA
Data Cable : Non-Shielded, Undetachable, 1m

☒ Speaker

Model Number : DS-203
Serial Number : N/A
FCC ID : N/A
Manufacturer : Crocodile
Power Cord : N/A
Data Cable : Shielded, Undetachable, 1m

☒ Joystick

Model Number : 3001
Serial Number : AE62901419
FCC ID : N/A
Manufacturer : Logitech
Data Cable : Shielded, Undetachable, 0.8m

☒ Radio Receiver

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

☒ Cassette Recorder

Model Number : CR-AS45
Serial Number : LC79605080313
FCC ID : N/A
Manufacturer : AIWA CO., LTD.
Power Cord : N/A (Battery)

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

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

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

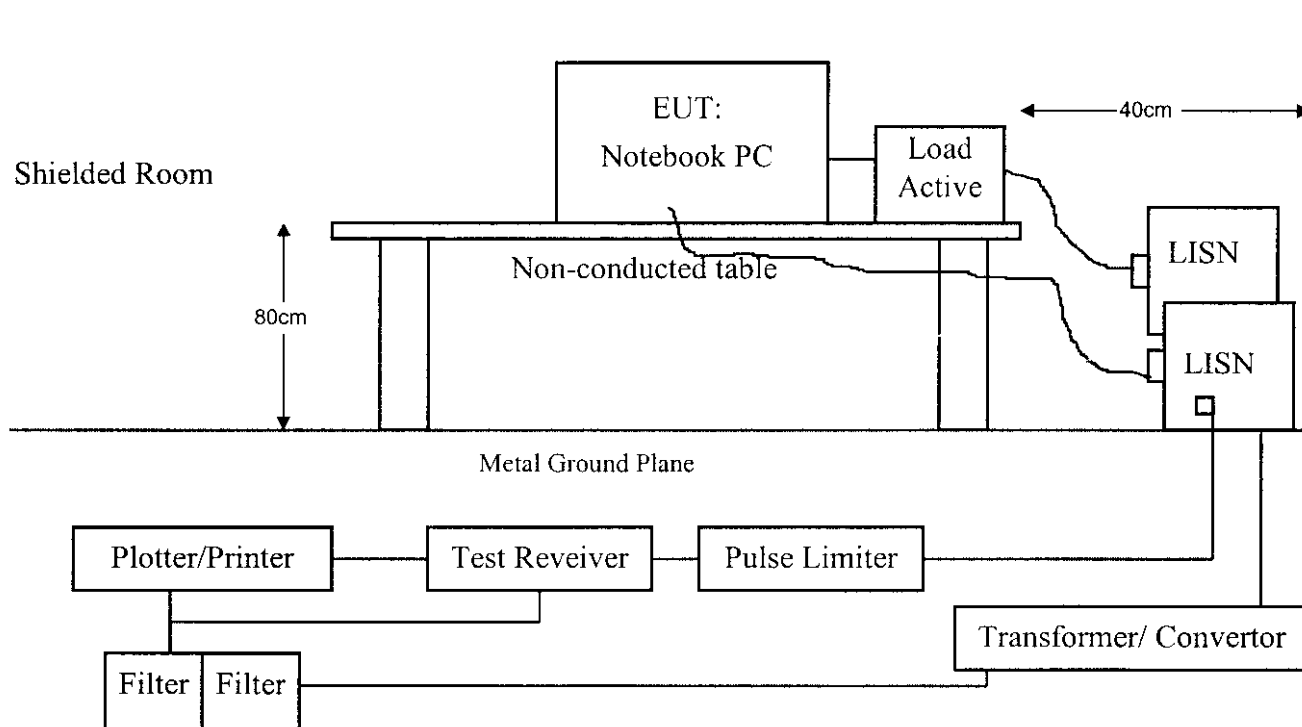
3.1 Test Equipments

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	Jul.1997	Shield Room #1	
L.I.S.N.	Solar	8012-50-R24 / 90038	Jun. 05, 1997	Shield Room #1	✓
L.I.S.N.	EMCO	3825/2 / 91111-1902	Jul.1997	Shield Room #1	
L.I.S.N.	Rohde & Schwarz	ESH3-Z5 / 840567/002	Jun. 05, 1997	Shield Room #1	✓
L.I.S.N.	Schwarzbeck	NNLK 8121	Apr. 1997	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 CISPR 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 : 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.

3.5 EUT 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 Monitor. (Depending on test mode)
- 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

3.6 Conducted Emission Data

The measurement range of conducted emission which is from **0.45 MHz to 30 MHz** was investigated. 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	:	Dec. 23, 1997	Temperature	:	16.7 °C
EUT	:	Notebook PC	Humidity	:	59 %
Test Mode	:	Mode 1	Display Pattern	:	H Pattern

FREQUENCY		READING LEVEL			LIMITS
		LINE 1	LINE 2		
MHz	dBuV	uV	dBuV	uV	uV
0.49662	20.0	10.00	24.6	16.98	250
1.34715	23.0	14.13	26.7	21.63	250
4.89410	34.0	50.12	33.1	45.19	250
15.14288	38.1	80.35	41.9	124.45	250
**27.60400	42.1	127.35	42.6	134.90	250
29.38000	40.9	110.92	40.6	107.15	250

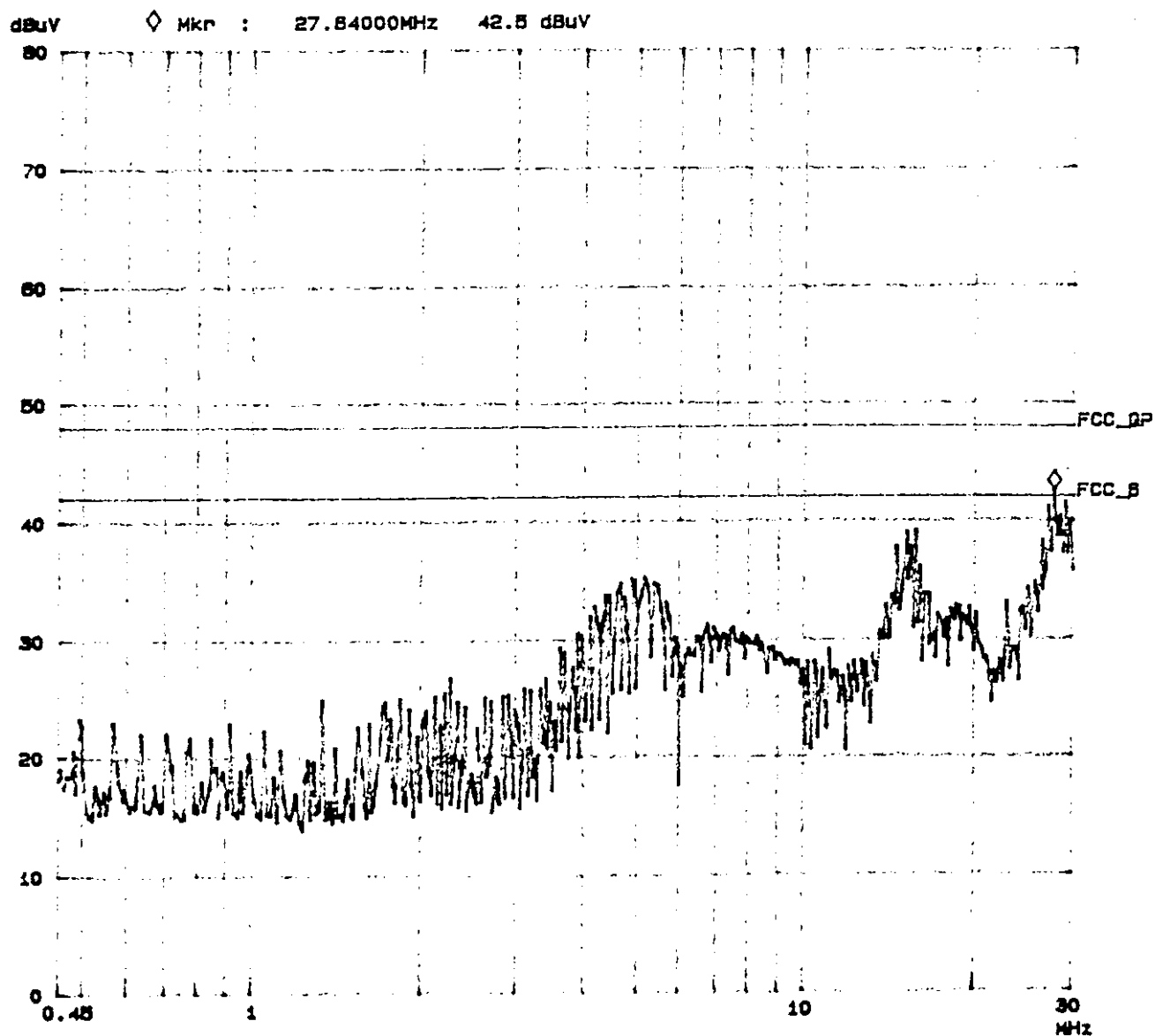
- Remarks :
1. All readings are Quasi-peak and average values.
 2. “ * ” means that the quasi-peak reading level is lower then the average limits, it is not necessary to measure the average level.
 3. “ ** ” means that this data is the worse case emission level.

Attached 2 individual pages of peak scan curve data sheets.

ROHDE & SCHWARZ ESHS 30

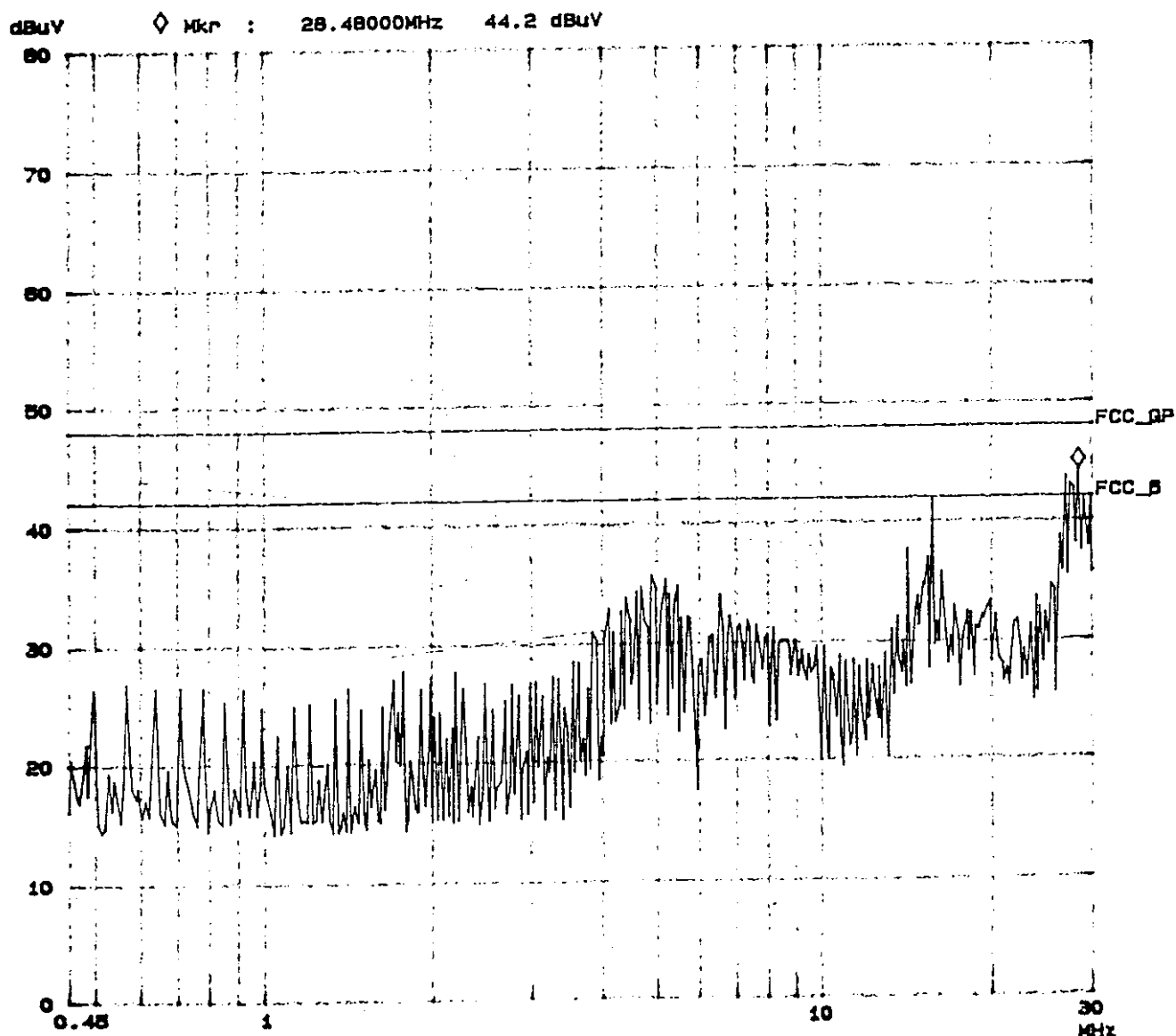
GesTek, PowerLine Conducted Emission

EUT: NOTEBOOK PC
Manuf: INNOLABS
Op Cond: MODE: 1
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 1
M/N: 9800



ROHDE & SCHWARZ ESHS 30
GesTek, PowerLine Conducted Emission

EUT: NOTEBOOK PC
Manuf: INNOLABS
Op Cond: MODE: 1
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 2
M/N: 9800
•



CONDUCTED EMISSION DATA

Date of Test	:	Dec. 23, 1997	Temperature	:	18.7 °C
EUT	:	Notebook PC	Humidity	:	58 %
Test Mode	:	Mode 2	Display Pattern	:	H Pattern

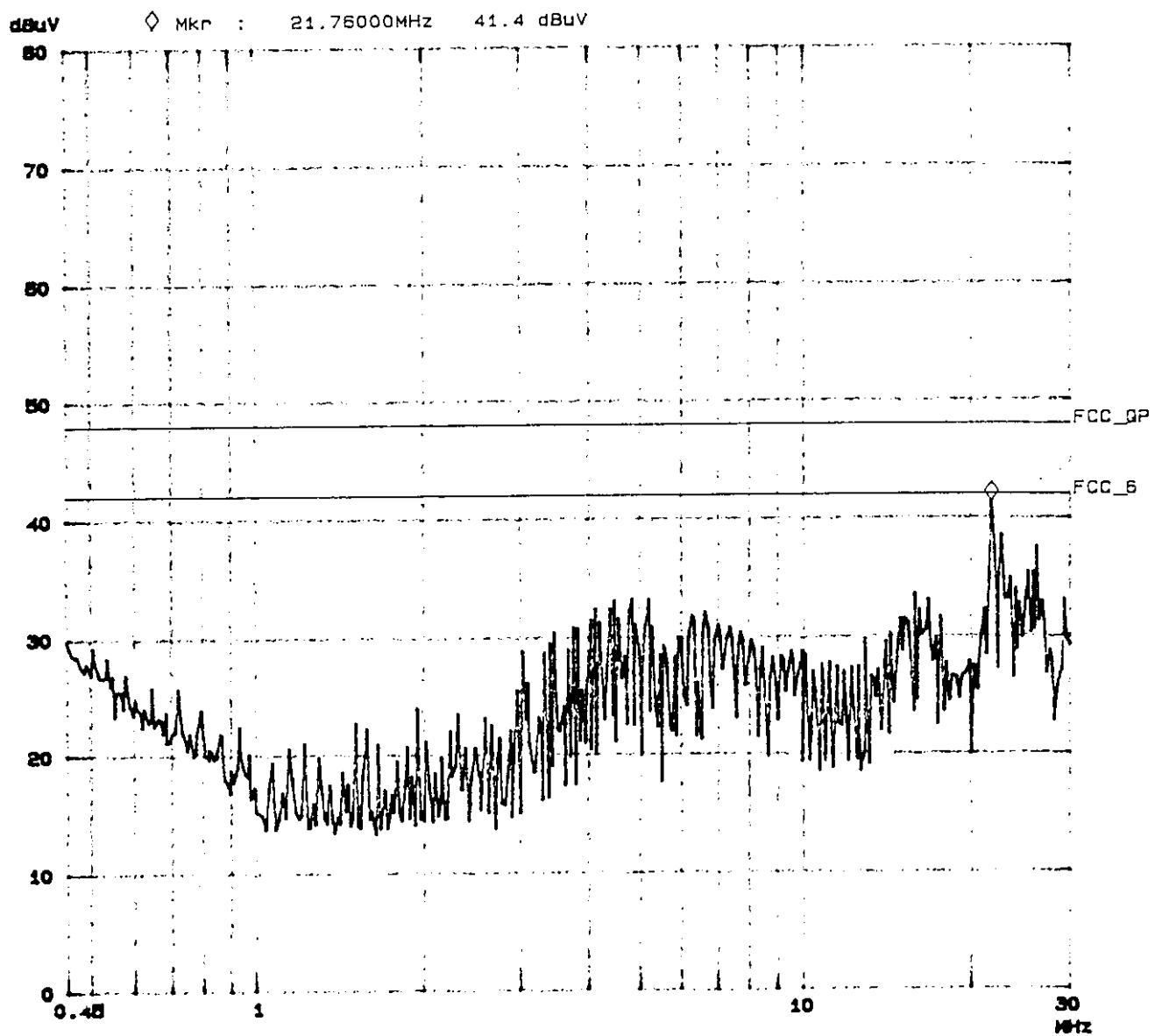
FREQUENCY		READING LEVEL			LIMITS
		LINE 1		LINE 2	
MHz	dBuV	uV	dBuV	uV	uV
0.45027	21.0	11.22	20.7	10.84	250
4.10543	30.9	35.08	31.3	36.73	250
4.82576	32.1	40.27	32.5	42.17	250
15.88000	31.3	36.73	31.6	38.02	250
**21.75930	39.4	93.33	38.6	85.11	250
22.64050	36.2	64.57	36.4	66.07	250

- 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.

ROHDE & SCHWARZ ESHS 30
GsTek, PowerLine Conducted Emission

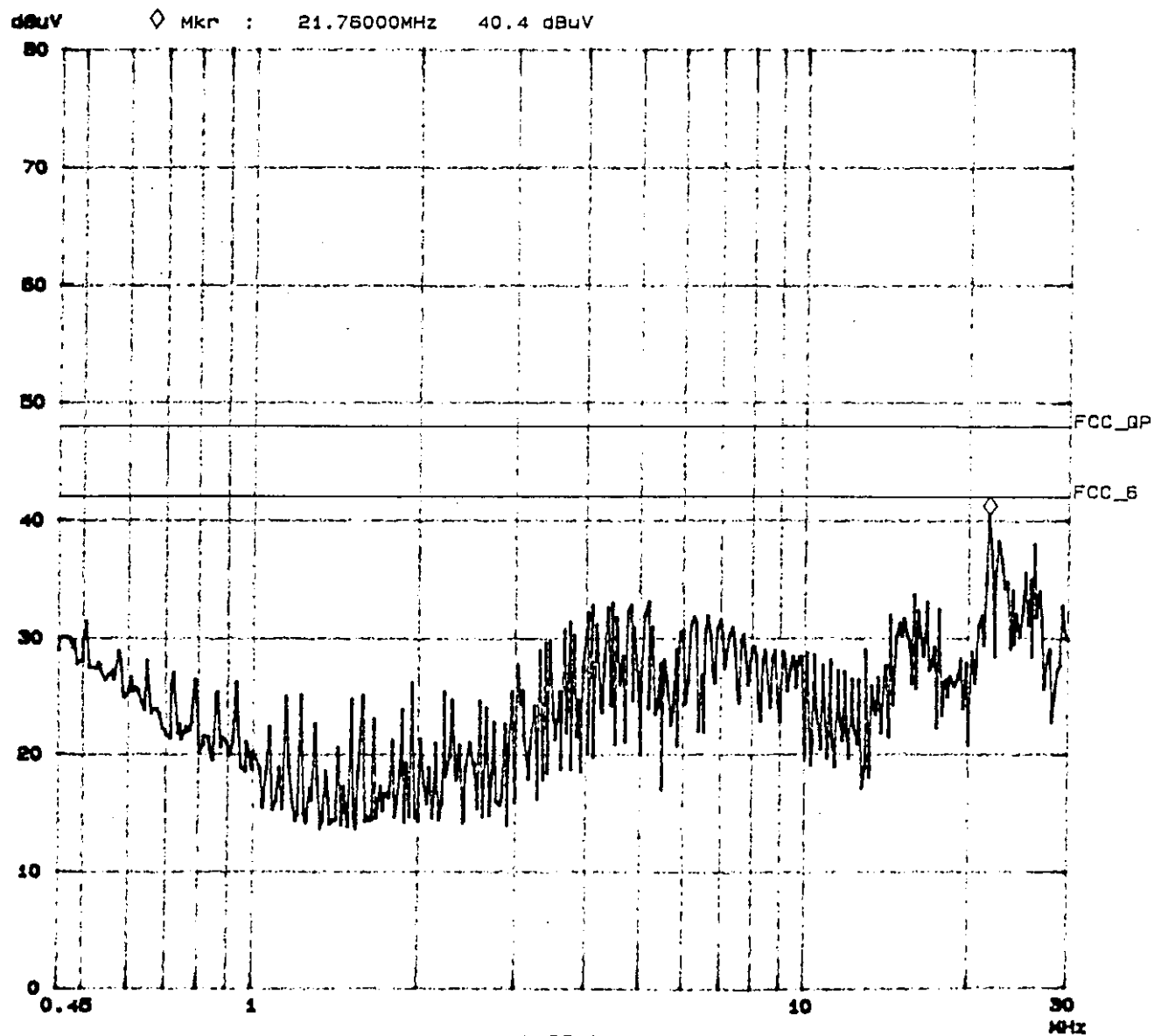
EUT: NOTEBOOK PC
Manuf: INNOLAB9
Op Cond: MODE 2
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 1
M/F: 9800



ROHDE & SCHWARZ ESHS 30

GsTek, PowerLine Conducted Emission

EUT: NOTEBOOK PC
Manuf: INNOCLASS
Op Cond: MODE 2
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 2
M/Hz 9800



CONDUCTED EMISSION DATA

Date of Test	: Dec. 23, 1997	Temperature	: 18.4 °C
EUT	: Notebook PC	Humidity	: 60 %
Test Mode	: Mode 3	Display Pattern	: H Pattern

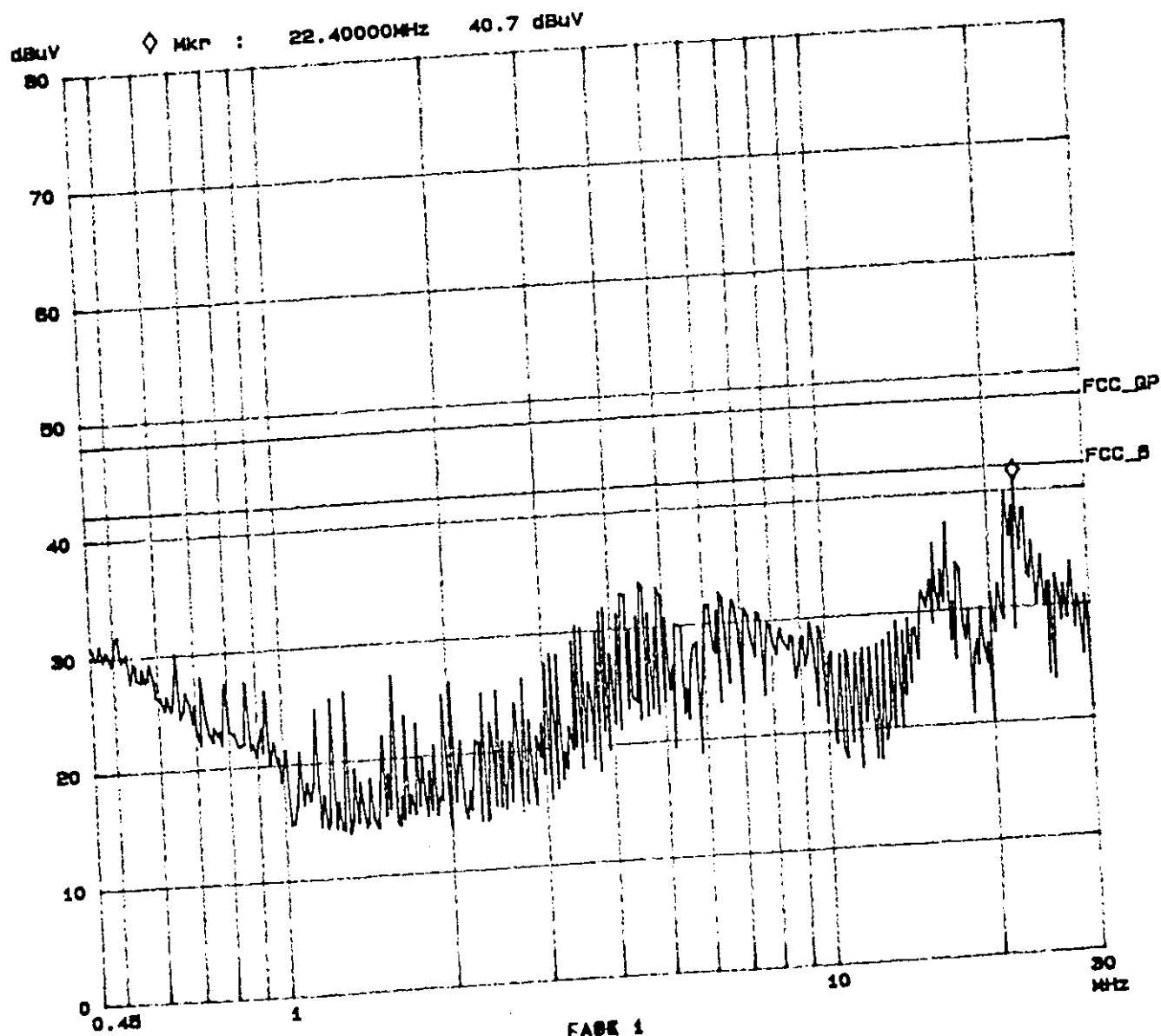
FREQUENCY	READING LEVEL				LIMITS
	LINE 1		LINE 2		
MHz	dBuV	uV	dBuV	uV	uV
0.45837	21.9	12.45	22.3	13.03	250
4.17994	31.7	38.46	32.1	40.27	250
4.54139	32.4	41.69	32.6	42.66	250
6.41379	31.0	35.48	31.1	35.89	250
15.91829	34.0	50.12	34.2	51.29	250
**22.40139	39.1	90.16	39.6	95.50	250

- 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.

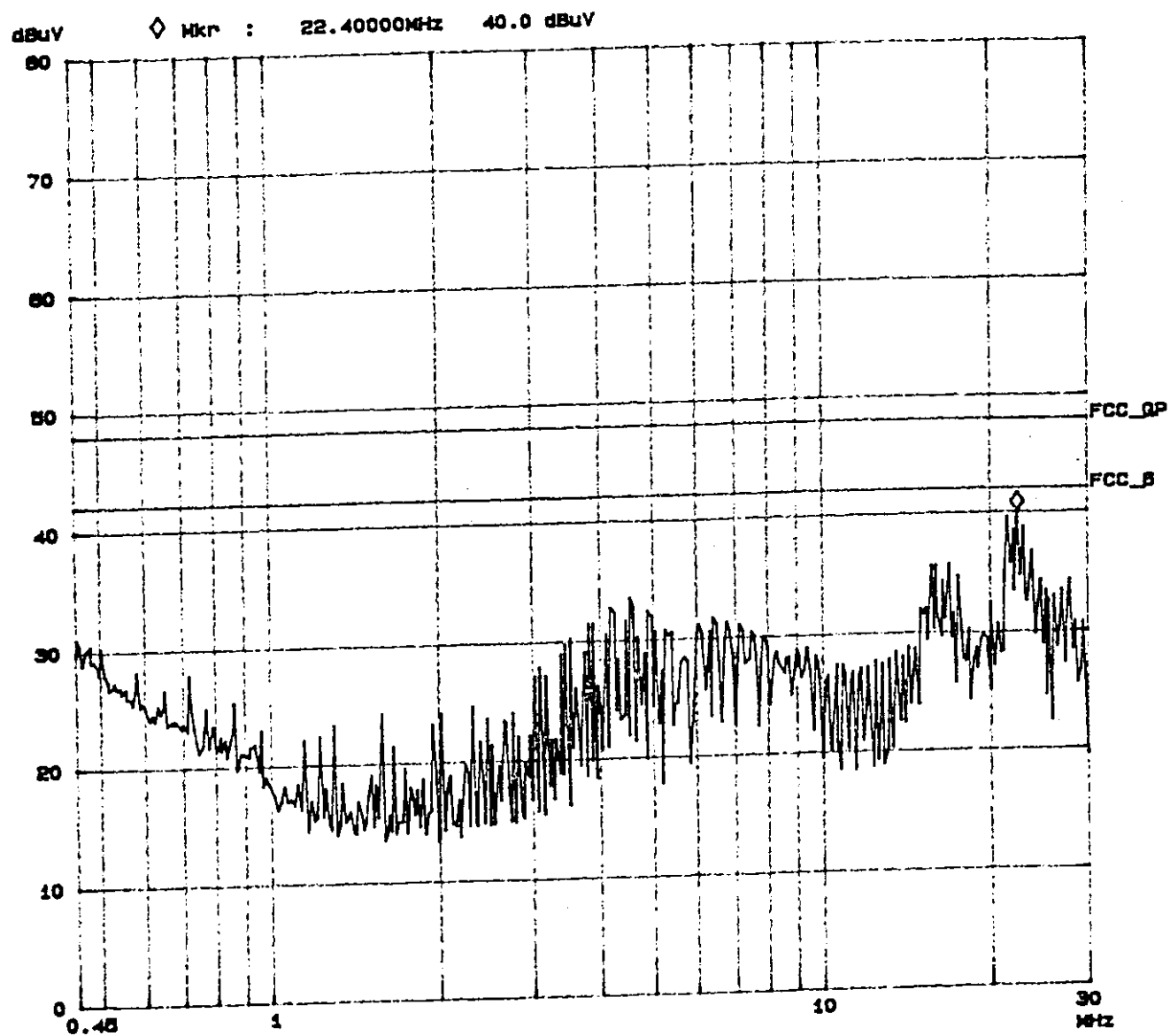
ROHDE & SCHWARZ ESHS 30
GsTek, PowerLine Conducted Emission

EUT: NOTEBOOK PC
Manuf: INNOLABS
Op Cond: MODE: 3
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 2
M/N: 9800



ROHDE & SCHWARZ ESHS 30
GsTek, PowerLine Conducted Emission

EUT: NOTEBOOK PC
Manuf: INNOLABS
Op Cond: MODE: 3
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 1
M/N: 9800



CONDUCTED EMISSION DATA

Date of Test	:	Dec. 23, 1997	Temperature	:	18.9 °C
EUT	:	Notebook PC	Humidity	:	58 %
Test Mode	:	Mode 4	Display Pattern	:	H Pattern

FREQUENCY	READING LEVEL				LIMITS
	LINE 1		LINE 2		
	MHz	dBuV	uV	dBuV	
0.45417	20.5	10.59	20.1	10.12	250
4.82517	32.0	39.81	32.6	42.66	250
6.62527	30.2	32.36	30.8	34.67	250
15.88039	31.2	36.31	31.6	38.02	250
**21.75952	38.3	82.22	39.1	90.16	250
26.16010	35.4	58.88	35.6	60.26	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.

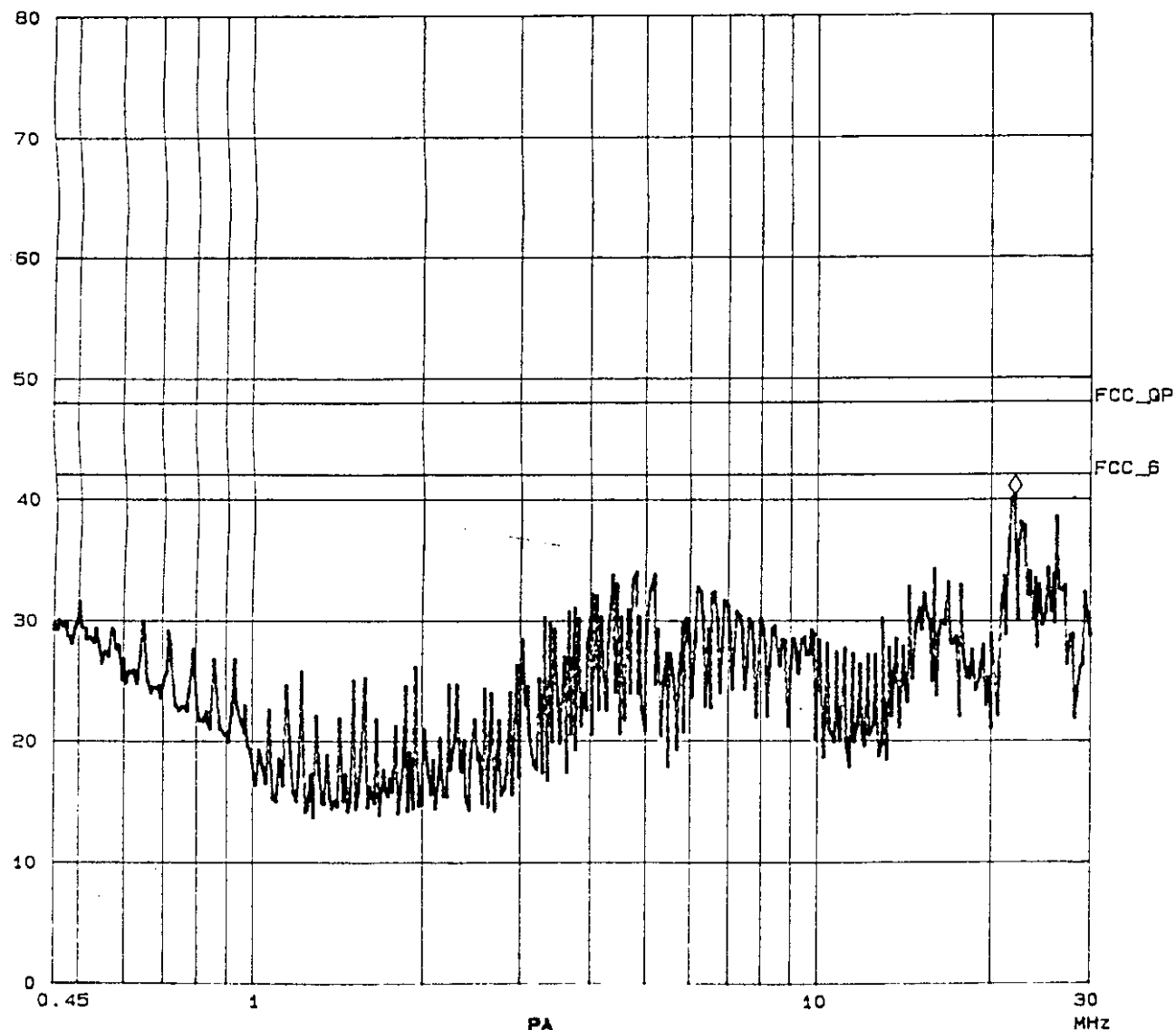
3.“ ** ” means that this data is the worse case emission level.

Attached 2 individual pages of peak scan curve data sheets.

ROHDE & SCHWARZ ESHS 30
GesTek, PowerLine Conducted Emission

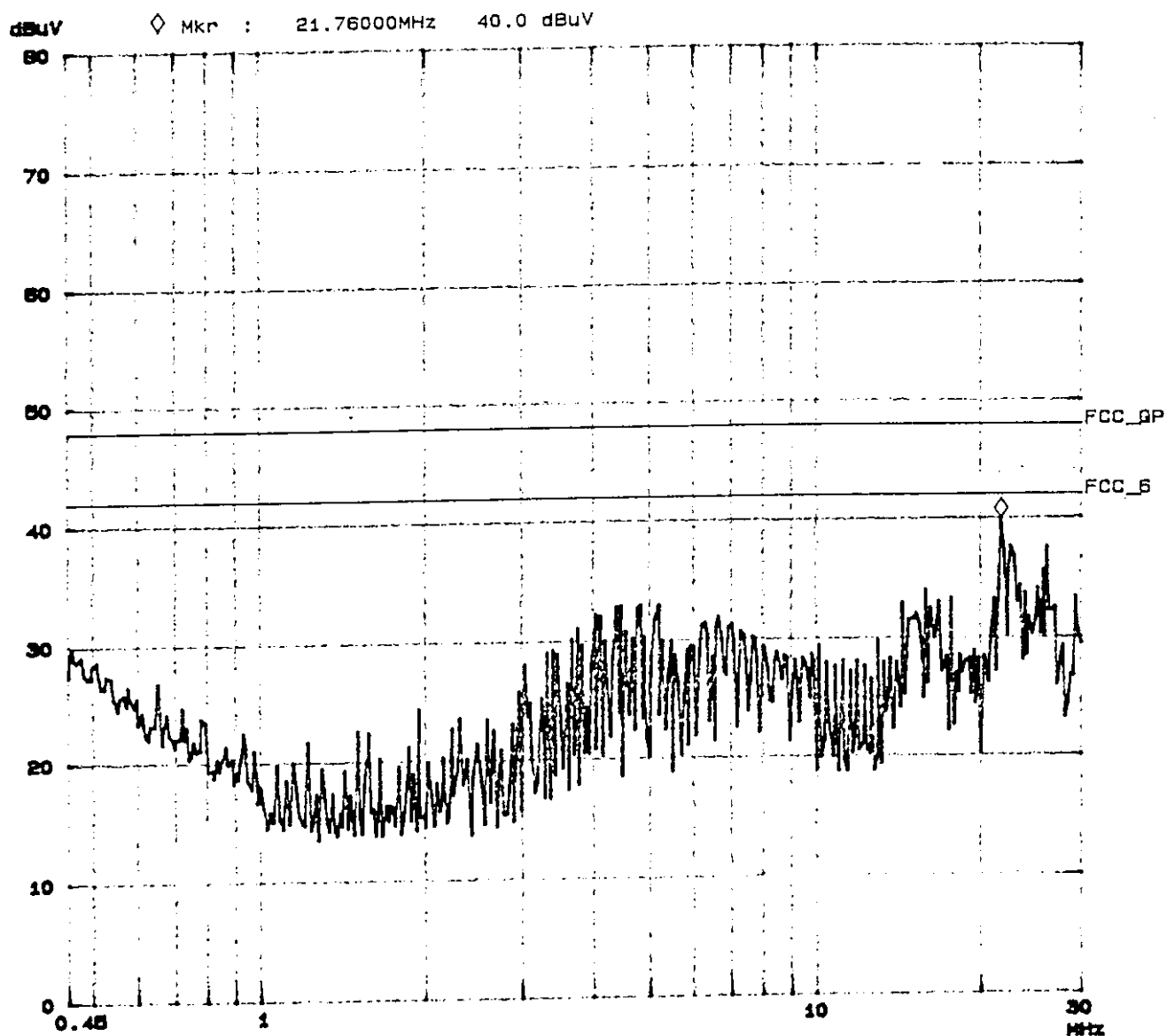
EUT: NOTEBOOK PC
Manuf: INNOLABS
Op Cond: MODE: 4
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 2
M/N: 9800
•

dBuV ◇ Mkr : 22.04000MHz 40.3 dBuV



ROHDE & SCHWARZ ESHS 30
GesTek, PowerLine Conducted Emission

EUT: NOTEBOOK PC
Manuf: INNOLABS
Op Cond: MODE: 4
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 1
M/N: 9800



CONDUCTED EMISSION DATA

Date of Test	:	Dec. 23, 1997	Temperature	:	18.8 °C
EUT	:	Notebook PC	Humidity	:	58 %
Test Mode	:	Mode 5	Display Pattern	:	H Pattern

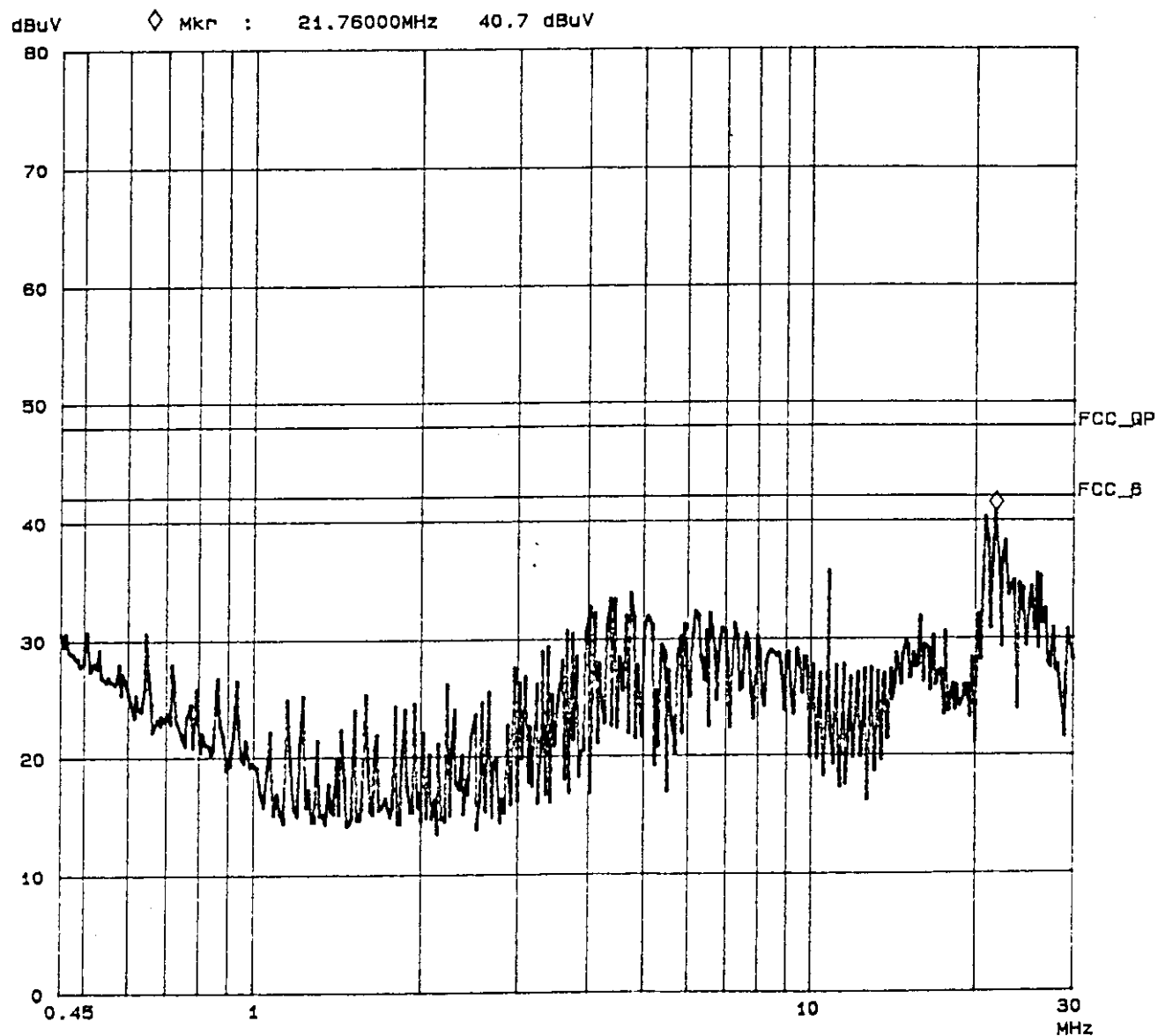
FREQUENCY		READING LEVEL			LIMITS
	LINE 1		LINE 2		
MHz	dBuV	uV	dBuV	uV	uV
0.50200	21.9	12.45	25.6	19.05	250
4.39011	31.9	39.36	32.5	42.17	250
4.75007	32.2	40.74	32.4	41.69	250
10.79826	33.0	44.67	34.1	50.70	250
20.87903	38.2	81.28	38.4	83.18	250
**21.75742	38.9	88.10	39.0	89.13	250

- 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.

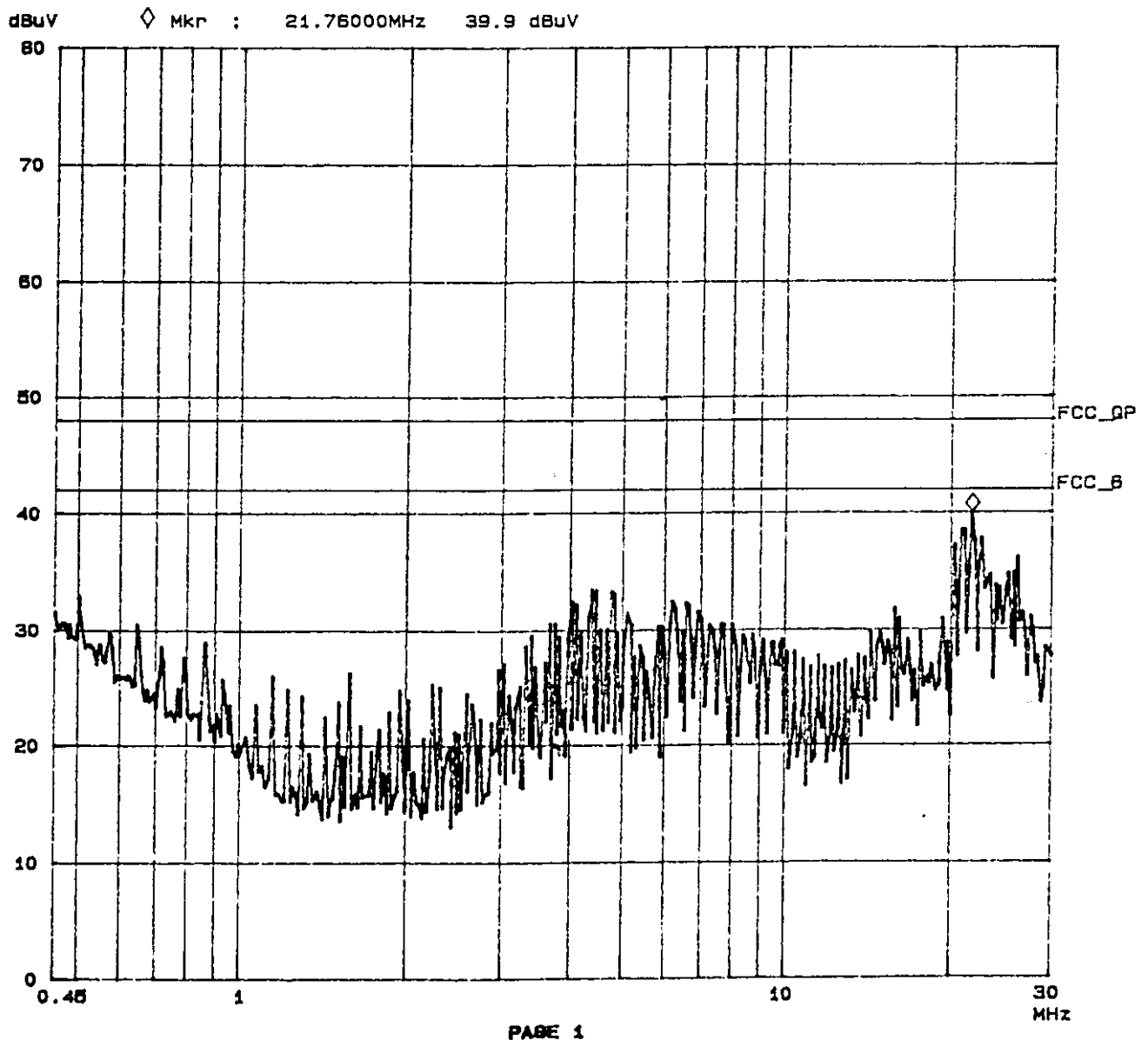
ROHDE & SCHWARZ ESHS 30
GesTek, PowerLine Conducted Emission

EUT: NOTEBOOK PC
Manuf: INNOLABS
Op Cond: MODE 5
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 2
M/N: 9800



ROHDE & SCHWARZ ESHS 30
GsTek, PowerLine Conducted Emission

EUT: NOTEBOOK PC
Manuf: INNOLABS
Op Cond: MODE: B
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 1
M/N: 9800



CONDUCTED EMISSION DATA

Date of Test	:	Mar. 25, 1998	Temperature	:	24.5 °C
EUT	:	Notebook PC	Humidity	:	66 %
Test Mode	:	Mode 6	Display Pattern	:	H Pattern

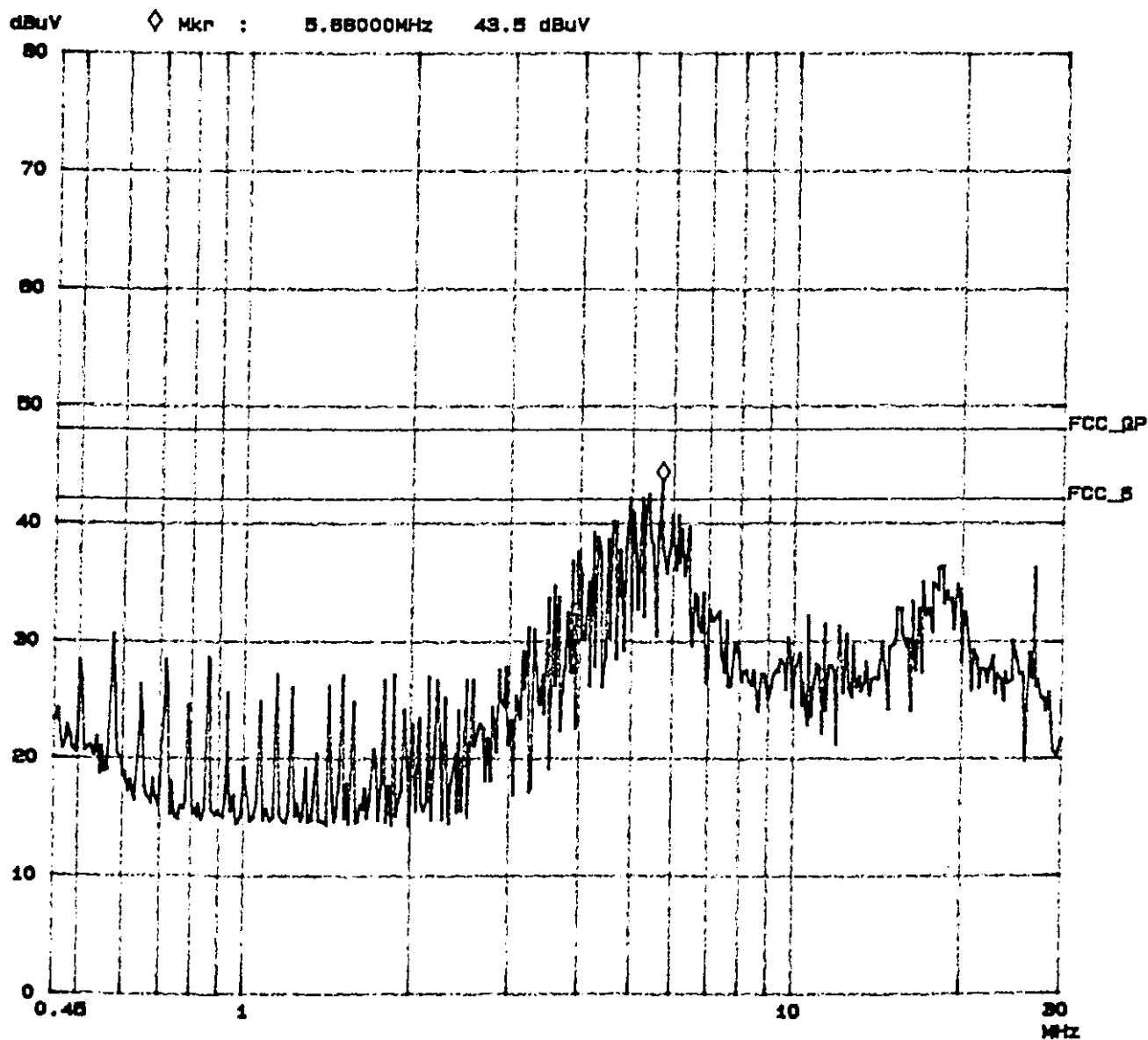
FREQUENCY		READING LEVEL			LIMITS
		LINE 1		LINE 2	
MHz	dBuV	uV	DBuV	uV	uV
0.57078	24.6	16.98	28.3	26.00	250
1.78425	24.7	17.18	26.5	21.13	250
4.06709	36.3	65.31	37.7	76.74	250
5.20879	40.8	109.65	32.3	41.21	250
**5.21303	42.0	125.89	42.1	127.35	250
18.60844	31.8	38.90	32.6	42.66	250

- 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.

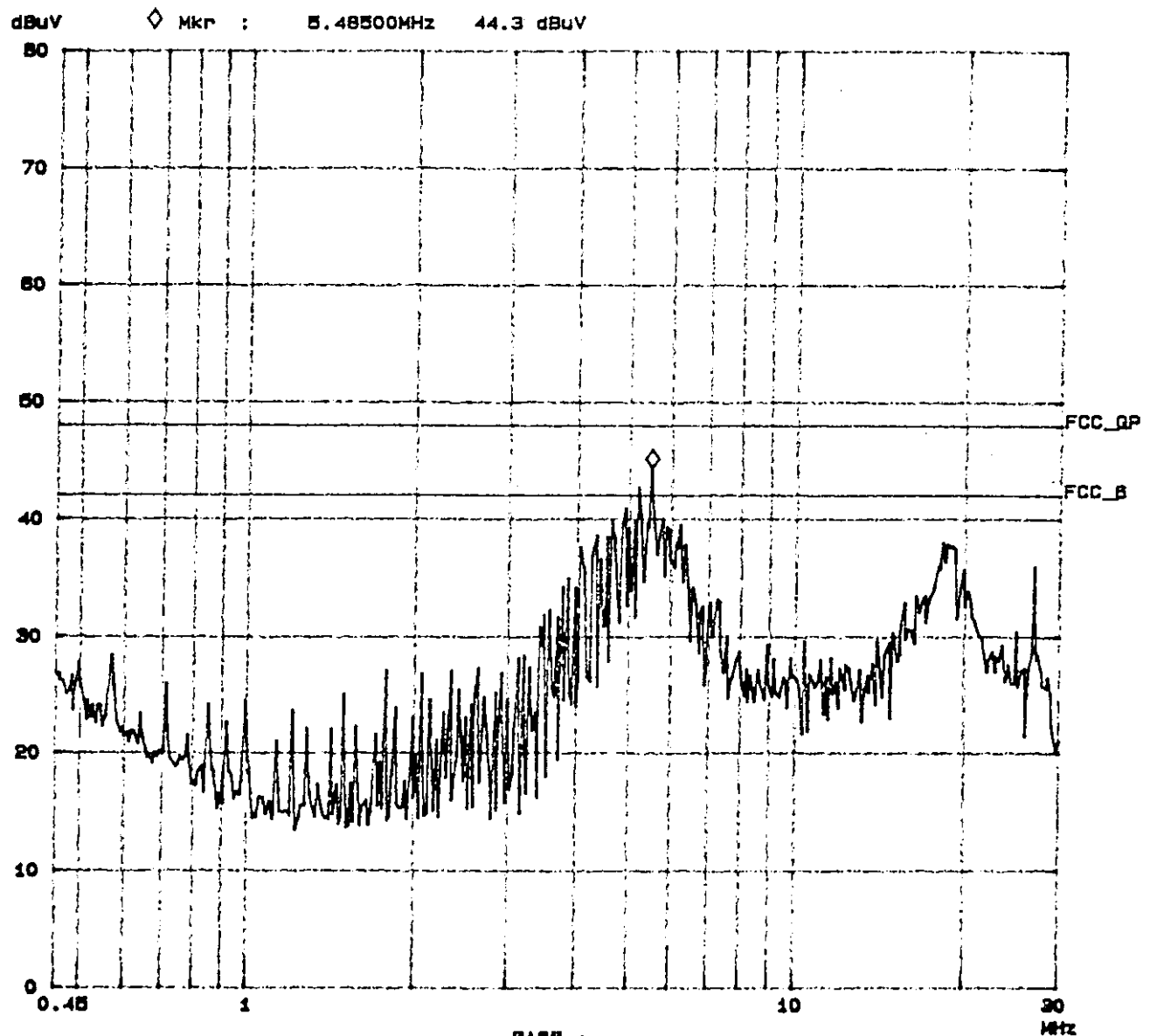
ROHDE & SCHWARZ ESHS 30
GesTek, PowerLine Conducted Emission

EUT: NOTEBOOK PC
Manuf: INNOCLASS
Op Cond: MODE B
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 2
M/t: 9800



ROHDE & SCHWARZ ESHS 30
GesTek, PowerLine Conducted Emission

EUT: NOTEBOOK PC
Manuf: INNOLAB
Op Cond: MODE B
Operator: JACKIE
Test Spec: FCC CLASS B
Comment: Line 1
M/N: 9800



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

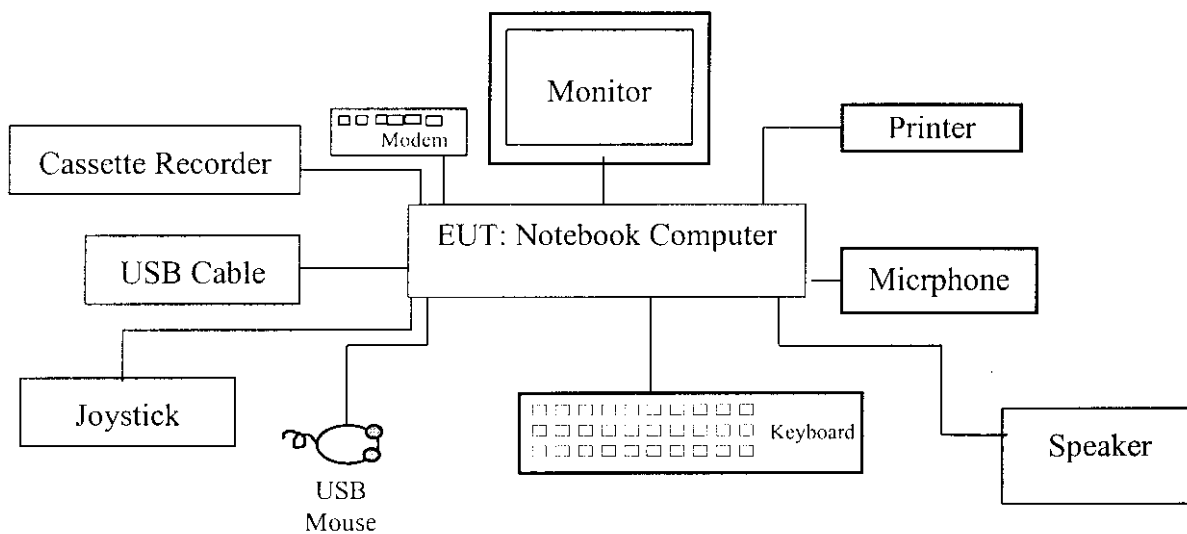
Instrument	Manufacturer	Type /Serial No.	Last Calibration	Site #1	Site #2
Test Receiver	Rohde & Schwarz	ESVS 30/829007/014	Nov. 15,1997	✓	
Spectrum Analyzer	Anristu	MA2601B/MT16442	Jun. 11,1997	✓	
Pre-Amplifier	HP	7447F/3113A04998	Nov. 16,1997	✓	
Test Receiver	Rohde & Schwarz	ESVS 10/8421122/001	Dec. 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	Jan. 05,1998	✓	
Bilog Antenna	Chase	CBL6111/1380	May. 22,1997		✓
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.

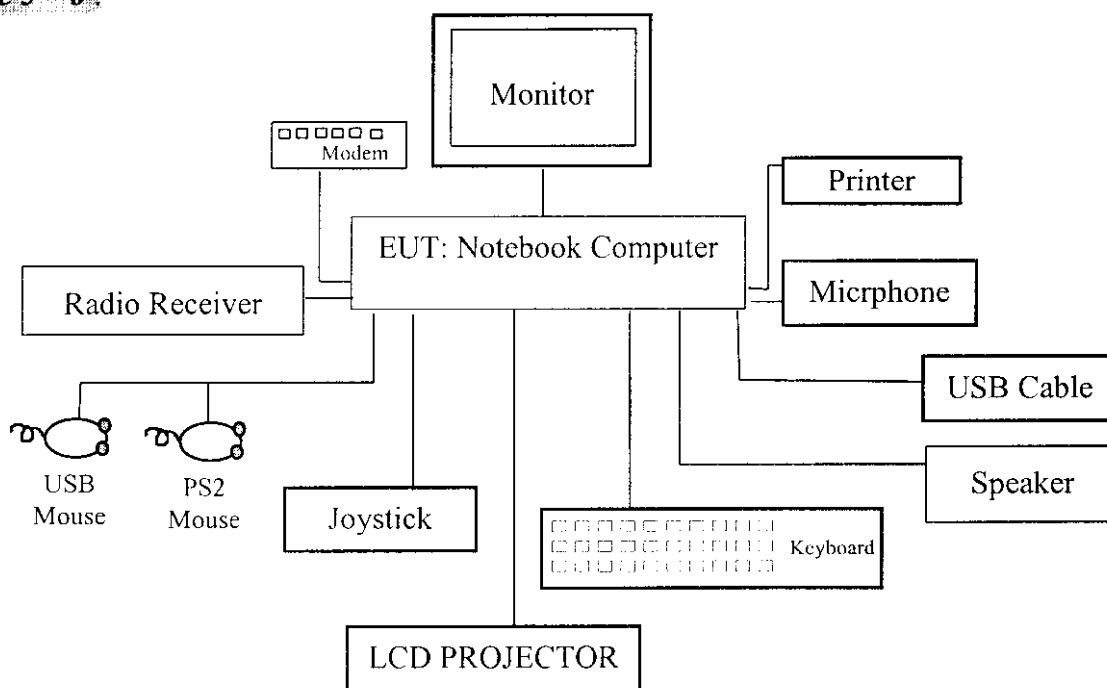
4.2 Test Setup

4.2.1 Block Diagram of Connections between EUT and simulators

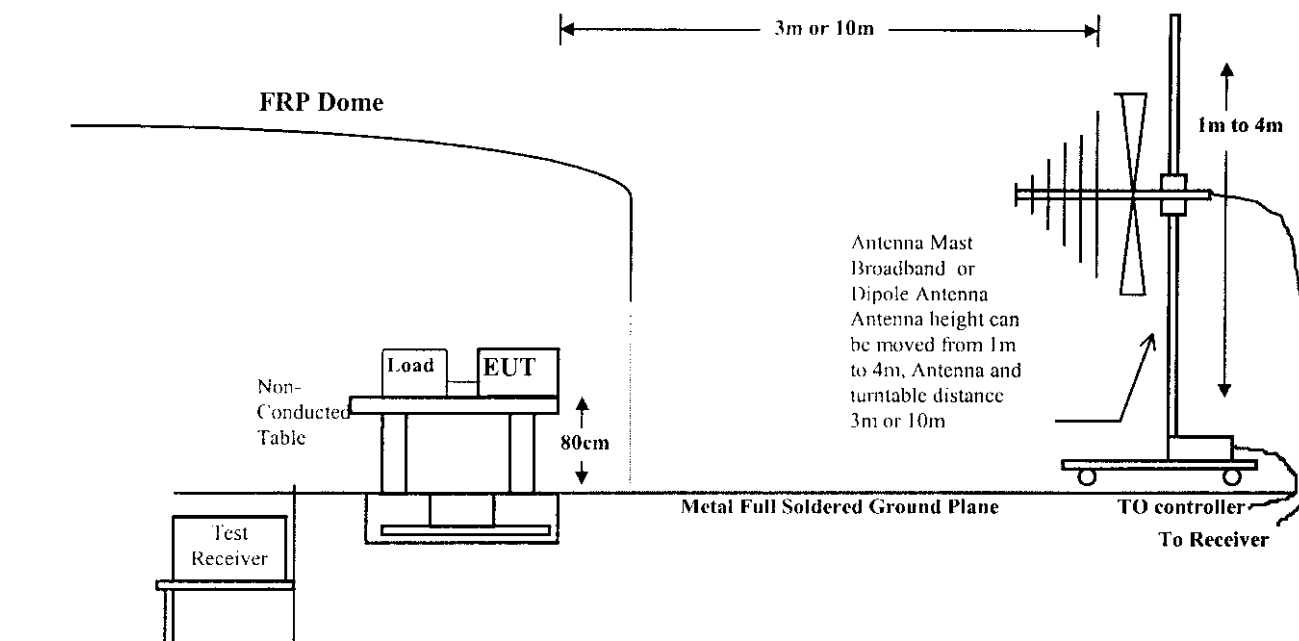
Mode 1、2、3、4:



Mode 5、6:



4.2.2 Open Test Site Setup Diagram



4.3 Radiated Emission Limit

4.3.1 FCC Class B Limits at 3m

Frequency	Distance	Field Strength	
		uV/M	dBuV/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	Distance	Field Strength
MHz	Meter	dB(uV/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.

The total uncertainty for this test is as follows:

- Uncertainty in the field strength measured (3m antenna distance): $< \pm 4$ dB
- Uncertainty in the field strength measured (10m antenna distance): $< \pm 4$ dB

The uncertainty is calculated in accordance with NAMAS document NIS 81, and is given as 2 standard deviations.

Radiated Emission Data

Date of Test :12-11,1997 Thu Temperature :16.7 deg/C
 EUT :NOTEBOOK PC Humidity :59 %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)
73.857	1.89	6.98	18.82	27.69	24.23	100
150.003	2.72	11.55	11.63	25.91	19.74	150
169.246	2.80	10.75	17.60	31.15	36.10	150
183.319	2.87	9.92	12.52	25.31	18.43	150
196.944	2.93	9.99	15.65	28.57	26.83	150
200.460	2.94	10.00	11.68	24.62	17.03	150
236.944	3.11	12.25	21.02	36.38	65.90	200
* 249.999	3.16	12.96	22.78	38.90	88.10	200
304.640	3.41	14.40	13.78	31.60	38.00	200
323.491	3.48	14.91	19.79	38.18	81.12	200
372.337	3.63	16.08	14.25	33.96	49.89	200
399.995	3.73	16.70	17.22	37.65	76.30	200
467.733	3.95	17.86	17.05	38.86	87.71	200
566.199	4.27	18.96	9.68	32.91	44.22	200
705.625	4.73	19.88	9.72	34.34	52.10	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 :12-11,1997 Thu Temperature :16.7 deg/C
 EUT :NOTEBOOK PC Humidity :59 %RH
 Working Cond.:Mode 1 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)
150.001	2.72	11.55	13.53	27.81	24.56	150
197.579	2.93	9.99	17.39	30.31	32.78	150
200.462	2.94	10.00	10.59	23.53	15.02	150
* 249.999	3.16	12.96	27.47	43.59	151.18	200
254.027	3.18	13.05	17.15	33.38	46.69	200
300.008	3.40	14.30	14.00	31.70	38.46	200
349.996	3.56	15.60	18.50	37.66	76.40	200
399.995	3.73	16.70	22.38	42.81	138.20	200
400.925	3.73	16.70	21.85	42.28	130.02	200
467.730	3.95	17.86	15.02	36.83	69.43	200
646.980	4.54	19.77	16.91	41.22	115.11	200
711.700	4.75	19.97	10.05	34.77	54.75	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 :12-18,1997 Thu Temperature :18.7 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:Mode 2 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)
47.121	1.26	11.10	15.21	27.57	23.91	100
67.710	1.76	6.74	23.43	31.93	39.48	100
123.088	2.60	12.16	14.02	28.78	27.47	150
133.640	2.64	11.96	23.61	38.22	81.43	150
150.005	2.72	11.55	21.89	36.17	64.31	150
169.248	2.80	10.75	17.38	30.93	35.20	150
200.463	2.94	10.00	22.15	35.09	56.84	150
221.055	3.04	11.30	16.34	30.68	34.20	200
237.238	3.11	12.25	18.44	33.80	48.96	200
250.001	3.16	12.96	23.96	40.08	100.92	200
300.000	3.40	14.30	21.15	38.85	87.60	200
* 334.090	3.51	15.17	23.33	42.01	126.05	200
400.050	3.73	16.70	14.68	35.11	56.95	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 :12-18,1997 Thu Temperature :18.7 deg/C
 EUT :NOTEBOOK PC Humidity :58 %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)
52.350	1.40	7.82	13.29	22.51	13.35	100
68.030	1.76	6.74	16.63	25.13	18.05	100
80.002	2.03	7.40	13.18	22.61	13.50	100
133.638	2.64	11.96	20.59	35.20	57.51	150
150.000	2.72	11.55	23.10	37.38	73.92	150
167.050	2.79	10.89	17.37	31.05	35.68	150
204.888	2.97	10.35	16.73	30.05	31.82	150
254.030	3.18	13.05	18.92	35.15	57.24	200
300.000	3.40	14.30	16.91	34.61	53.77	200
323.515	3.48	14.91	16.29	34.68	54.21	200
* 334.092	3.51	15.17	21.33	40.01	100.12	200
452.880	3.90	17.45	12.06	33.41	46.83	200
517.595	4.11	18.73	10.00	32.84	43.87	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 :01-08,1998 Thu Temperature :18.4 deg/C
 EUT :NOTEBOOK PC Humidity :60 %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)
36.139	1.04	16.10	11.68	28.82	27.59	100
* 197.576	2.93	9.99	24.52	37.44	74.50	150
199.997	2.94	10.00	23.30	36.24	64.89	150
200.456	2.94	10.00	21.30	34.24	51.54	150
249.996	3.16	12.96	19.09	35.21	57.61	200
254.026	3.18	13.05	21.71	37.94	78.92	200
280.360	3.31	13.77	22.18	39.26	91.78	200
291.146	3.35	14.02	21.09	38.47	83.81	200
334.091	3.51	15.17	16.40	35.08	56.76	200
372.333	3.63	16.08	12.13	31.84	39.08	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 :01-08,1998 Thu Temperature :18.4 deg/C
 EUT :NOTEBOOK PC Humidity :60 %RH
 Working Cond.:Mode 3 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)
133.639	2.64	11.96	12.74	27.35	23.30	150
167.049	2.79	10.89	13.53	27.21	22.93	150
197.577	2.93	9.99	21.20	34.12	50.83	150
200.000	2.94	10.00	21.78	34.72	54.47	150
249.996	3.16	12.96	17.21	33.33	46.40	200
254.026	3.18	13.05	13.26	29.49	29.83	200
* 291.139	3.35	14.02	21.64	39.02	89.28	200
467.725	3.95	17.86	16.20	38.01	79.54	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 :12-18,1997 Thu Temperature :18.9 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:Mode 4 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)
47.125	1.26	11.10	15.39	27.75	24.41	100
66.830	1.71	6.78	20.88	29.37	29.42	100
67.710	1.76	6.74	23.85	32.35	41.44	100
* 133.650	2.64	11.96	23.07	37.68	76.52	150
150.000	2.72	11.55	21.62	35.90	62.34	150
161.748	2.77	11.30	17.22	31.29	36.67	150
169.250	2.80	10.75	14.18	27.73	24.35	150
200.500	2.94	10.00	21.44	34.38	52.38	150
204.880	2.97	10.35	20.47	33.79	48.95	150
221.055	3.04	11.30	18.81	33.15	45.45	200
237.223	3.11	12.25	20.52	35.88	62.21	200
248.013	3.16	12.84	21.45	37.44	74.50	200
300.001	3.40	14.30	20.90	38.60	85.11	200
350.000	3.56	15.60	20.72	39.88	98.65	200
400.000	3.73	16.70	8.40	28.83	27.64	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 :12-18,1997 Thu Temperature :18.9 deg/C
 EUT :NOTEBOOK PC Humidity :58 %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)
* 48.010	1.31	9.92	19.33	30.55	33.70	100
66.850	1.71	6.78	15.10	23.59	15.12	100
75.484	1.94	7.11	20.95	30.00	31.62	100
118.614	2.58	12.10	11.99	26.67	21.55	150
129.404	2.62	12.04	11.85	26.52	21.18	150
133.645	2.64	11.96	17.53	32.14	40.44	150
161.754	2.77	11.30	15.18	29.25	28.99	150
167.057	2.79	10.89	15.50	29.18	28.77	150
194.102	2.92	9.97	13.13	26.02	19.99	150
204.879	2.97	10.35	19.12	32.44	41.90	150
237.234	3.11	12.25	17.27	32.63	42.79	200
254.025	3.18	13.05	16.06	32.29	41.18	200
300.000	3.40	14.30	14.08	31.78	38.82	200
323.497	3.48	14.91	15.46	33.85	49.27	200
467.764	3.95	17.86	10.19	32.00	39.82	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 :12-11,1997 Thu Temperature :18.8 deg/C
 EUT :NOTEBOOK Humidity :58 %RH
 Working Cond.:Mode 5 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)
67.701	1.76	6.74	24.22	32.72	43.24	100
73.856	1.89	6.98	24.05	32.92	44.24	100
118.474	2.58	12.10	12.34	27.02	22.43	150
118.474	2.58	12.10	12.44	27.12	22.69	150
150.000	2.72	11.55	10.71	24.99	17.75	150
169.246	2.80	10.75	21.18	34.73	54.51	150
196.943	2.93	9.99	23.85	36.77	68.97	150
221.560	3.04	11.30	16.33	30.67	34.16	200
250.000	3.16	12.96	22.71	38.83	87.40	200
310.478	3.43	14.56	14.69	32.68	43.05	200
399.998	3.73	16.70	16.87	37.30	73.28	200
* 467.731	3.95	17.86	18.87	40.68	108.16	200
649.174	4.55	19.79	10.48	34.82	55.07	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 :12-11,1997 Thu Temperature :18.8 deg/C
 EUT :NOTEBOOK Humidity :58 %RH
 Working Cond.:Mode 5 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)
150.002	2.72	11.55	12.99	27.27	23.08	150
186.171	2.88	9.93	17.58	30.39	33.08	150
200.465	2.94	10.00	15.11	28.05	25.27	150
249.998	3.16	12.96	24.72	40.84	110.15	200
349.996	3.56	15.60	18.70	37.86	78.18	200
* 399.993	3.73	16.70	22.07	42.50	133.35	200
400.916	3.73	16.70	21.23	41.66	121.06	200
534.560	4.17	18.77	10.82	33.76	48.74	200
649.176	4.55	19.79	6.56	30.90	35.07	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 :03-19,1998 Thu Temperature :24.5 deg/C
 EUT :NOTEBOOK PC Humidity :66 %RH
 Working Cond.:Mode 6 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)
66.820	1.71	6.45	16.72	24.88	17.54	100
118.470	2.58	12.44	13.60	28.62	26.97	150
123.088	2.60	12.35	17.88	32.83	43.81	150
133.639	2.64	11.63	25.95	40.22	102.55	150
147.702	2.71	10.77	22.40	35.88	62.23	150
* 169.241	2.80	10.05	29.20	42.05	126.65	150
183.291	2.87	9.47	22.11	34.45	52.80	150
194.094	2.92	9.37	25.69	37.98	79.26	150
221.054	3.04	10.95	25.06	39.05	89.66	200
237.221	3.11	12.10	27.37	42.58	134.60	200
249.991	3.16	12.96	24.15	40.28	103.22	200
258.789	3.21	13.03	23.69	39.93	99.24	200
269.573	3.25	13.07	27.30	43.63	151.83	200
285.114	3.32	13.14	26.95	43.41	148.15	200
304.634	3.41	13.31	23.85	40.57	106.78	200
334.106	3.51	13.95	24.67	42.13	127.75	200
399.986	3.73	15.34	12.52	31.59	37.96	200
417.794	3.78	15.96	11.83	31.58	37.91	200
467.731	3.95	17.34	16.56	37.85	78.07	200
487.725	4.01	17.50	22.28	43.80	154.84	200
868.616	5.26	20.70	8.38	34.34	52.14	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 :03-19,1998 Thu Temperature :24.5 deg/C
 EUT :NOTEBOOK PC Humidity :66 %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)
140.181	2.68	11.80	21.21	35.69	60.86	150
150.948	2.72	11.55	20.30	34.58	53.55	150
183.297	2.87	9.92	23.23	36.02	63.26	150
199.251	2.94	10.00	25.86	38.80	87.13	150
237.225	3.11	12.25	24.48	39.84	98.15	200
258.791	3.21	13.20	23.57	39.98	99.82	200
* 269.573	3.25	13.46	27.23	43.94	157.48	200
334.090	3.51	15.17	22.80	41.48	118.59	200
452.881	3.90	17.45	14.05	35.40	58.88	200
466.945	3.95	17.86	14.20	36.01	63.18	200
517.581	4.11	18.73	16.58	39.42	93.58	200
614.400	4.43	19.44	6.88	30.75	34.46	200
663.555	4.60	19.80	12.76	37.16	72.09	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 :01-05,1998 Mon Temperature :16.7 deg/C
 EUT :NOTEBOOK PC Humidity :59 %RH
 Working Cond.:MODE 1 PK 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)
* 1072.800	5.93	21.81	35.66	27.81	24.57	500
1162.000	6.21	21.84	34.31	26.92	22.18	500
1262.900	6.51	22.65	33.63	27.51	23.74	500

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(35.58, 35.44, 35.28)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :16.7 deg/C
 EUT :NOTEBOOK PC Humidity :59 %RH
 Working Cond.:MODE 1 PK 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)
1093.900	5.99	21.48	34.43	26.35	20.78	500
1237.100	6.44	22.44	34.36	27.92	24.87	500
* 1293.500	6.61	22.93	33.88	28.19	25.68	500

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(35.55, 35.32, 35.23)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.7 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:1 AV Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits
(MHz)	Loss	Factor	Horizontal	Horizontal	
	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)
1072.800	5.93	21.81	22.67	14.82	5.51
1162.000	6.21	21.84	22.92	15.53	5.98
* 1262.900	6.51	22.65	24.79	18.67	8.58

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(35.58, 35.44, 35.28)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.7 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:1 AV 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)
1093.900	5.99	21.48	23.78	15.70	6.10	500
* 1237.100	6.44	22.44	24.33	17.89	7.84	500
1293.500	6.61	22.93	22.59	16.90	7.00	500

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(35.55, 35.32, 35.23)

4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.7 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE 2 PK Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits
(MHz)	Loss	Factor	Horizontal	Horizontal	
	(dB)	(dB)	(dBuV/m)	(dBuV/m) (uV/m)	(uV/m)
1056.300	5.88	22.04	35.21	27.52 23.77	500
1145.600	6.15	21.72	33.71	26.11 20.21	500
* 1246.500	6.46	22.51	33.99	27.65 24.14	500

- 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(35.61, 35.47, 35.31)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.7 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE 2 PK 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)
1068.100	5.91	21.87	33.86	26.05	20.06	500
1131.500	6.11	21.62	33.07	25.31	18.43	500
* 1227.700	6.41	22.35	34.06	27.48	23.66	500

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(35.59, 35.49, 35.34)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.9 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE 2 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)
1056.300	5.88	22.04	20.76	13.07	4.50	500
1145.600	6.15	21.72	23.46	15.86	6.21	500
* 1246.500	6.46	22.51	24.77	18.43	8.35	500

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(35.61, 35.47, 35.31)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.9 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE 2 AV 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)
1068.100	5.91	21.87	22.59	14.78	5.48	500
1131.500	6.11	21.62	21.31	13.55	4.76	500
* 1227.700	6.41	22.35	22.88	16.30	6.53	500

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(35.59, 35.49, 35.34)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.4 deg/C
EUT :NOTEBOOK PC Humidity :60 %RH
Working Cond.:MODE:3 PK Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits
(MHz)	Loss	Factor	Horizontal	Horizontal	
	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)
1056.300	5.88	22.04	33.66	25.97	19.88
1112.700	6.05	21.48	34.75	26.76	21.78
* 1270.000	6.54	22.72	33.75	27.74	24.38

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(35.61, 35.52, 35.27)
4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.4 deg/C
 EUT :NOTEBOOK PC Humidity :60 %RH
 Working Cond.:MODE:3 PK Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits
(MHz)	Loss	Factor	Vertical	Vertical	(uV/m)
(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)
1047.000	5.85	22.19	34.92	27.33	23.26
1187.800	6.28	22.01	34.31	27.20	22.90
* 1291.100	6.60	22.92	33.97	28.25	25.87
					500

- 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(35.62, 35.40, 35.23)
- 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.9 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:3 AV 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)
1056.300	5.88	22.04	22.82	15.13	5.71	500
1112.700	6.05	21.48	22.61	14.62	5.38	500
* 1270.000	6.54	22.72	22.21	16.20	6.46	500

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(35.61, 35.52, 35.27)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.9 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:3 AV 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)
1047.000	5.85	22.19	23.86	16.27	6.51	500
* 1187.800	6.28	22.01	25.46	18.35	8.27	500
1291.100	6.60	22.92	21.82	16.10	6.39	500

- 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(35.62, 35.40, 35.23)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.9 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:4 PK 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)
1154.330	6.18	21.79	24.48	16.99	7.08	500
1354.250	6.80	23.90	25.37	20.94	11.14	500
* 1507.850	7.28	25.47	25.64	23.49	14.94	500

- 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(35.45, 35.13, 34.90)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.9 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:4 PK 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)
1156.580	6.19	21.80	24.05	16.59	6.75	500
1271.580	6.54	22.74	24.09	18.10	8.04	500
* 1402.150	6.95	24.71	24.31	20.91	11.11	500

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(35.45, 35.27, 35.06)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.9 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:4 AV 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)
1067.000	5.91	21.90	24.11	16.32	6.55	500
1251.770	6.48	22.56	24.35	18.09	8.03	500
* 1396.720	6.93	24.61	24.01	20.48	10.57	500

- 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(35.59, 35.30, 35.07)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 Mon Temperature :18.9 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:4 AV 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)
1222.050	6.39	22.30	24.82	18.16	8.09
1365.600	6.84	24.11	25.42	21.25	11.54
* 1422.270	7.01	24.87	25.36	22.21	12.90

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(35.34, 35.12, 35.02)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 MON Temperature :18.8 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:5 PK 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)
1033.108	5.80	21.13	34.70	25.99	19.93	500
1166.406	6.22	21.87	34.98	27.63	24.08	500
* 1233.055	6.43	22.41	36.70	30.21	32.38	500

- 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(35.65, 35.43, 35.33)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 MON Temperature :18.8 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:5 PK Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits
(MHz)	Loss	Factor	Vertical	Vertical	
	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)
1107.960	6.04	21.46	24.37	16.33	6.56
1288.050	6.60	22.90	24.76	19.02	8.93
* 1479.350	7.19	25.27	25.37	22.89	13.95

- 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(35.53, 35.24, 34.93)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test : 01-05, 1998 MON Temperature : 18.8 deg/C
 EUT : NOTEBOOK PC Humidity : 58 %RH
 Working Cond.: MODE: 5 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)
1033.108	5.80	21.13	25.36	16.65	6.80	500
1166.406	6.22	21.87	25.58	18.23	8.16	500
* 1233.055	6.43	22.41	25.26	18.77	8.68	500

- 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 (35.65, 35.43, 35.33)
 4. Deviations from the specifications: None.

Radiated Emission Data

Date of Test :01-05,1998 MON Temperature :18.8 deg/C
 EUT :NOTEBOOK PC Humidity :58 %RH
 Working Cond.:MODE:5 AV Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits
(MHz)	Loss	Factor	Vertical	Vertical	
	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)
1067.850	5.91	21.90	25.07	17.28	7.31 500
1220.120	6.38	22.28	24.89	18.20	8.13 500
* 1582.605	7.51	26.14	24.66	23.45	14.87 500

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(35.59, 35.35, 34.87)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :04-01,1998 Wed Temperature :24.5 deg/C
 EUT :NOTEBOOK PC Humidity :66 %RH
 Working Cond.:MODE:6 PK 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)
1066.914	5.91	21.27	30.34	21.92	12.48	500
1185.462	6.27	22.00	29.21	22.08	12.70	500
* 1304.126	6.65	23.09	30.54	25.06	17.90	500

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(35.59, 35.40, 35.21)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :04-01,1998 Wed Temperature :24.5 deg/C
 EUT :NOTEBOOK PC Humidity :66 %RH
 Working Cond.:MODE:6 PK Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits
(MHz)	Loss	Factor	Vertical	Vertical	
	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)
1065.984	5.90	21.92	29.57	21.80	12.30
* 1184.789	6.27	21.99	31.60	24.46	16.71
1304.987	6.65	23.07	27.32	21.82	12.33

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(35.60, 35.41, 35.21)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :04-01,1998 Wed Temperature :24.5 deg/C
 EUT :NOTEBOOK PC Humidity :66 %RH
 Working Cond.:MODE:6 AV Display Pattern:H Pattern

Frequency	Cable	Antenna	Reading Level	Emission Level	Limits
(MHz)	Loss	Factor	Horizontal	Horizontal	
	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(uV/m)
1066.914	5.91	21.27	26.32	17.90	7.85
1185.462	6.27	22.00	25.21	18.08	8.01
* 1304.126	6.65	23.09	24.33	18.85	8.76

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(35.59, 35.40, 35.21)
 4.Deviations from the specifications: None.

Radiated Emission Data

Date of Test :04-01,1998 Wed Temperature :24.5 deg/C
 EUT :NOTEBOOK PC Humidity :66 %RH
 Working Cond.:MODE:6 AV 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)
1065.984	5.90	21.92	24.38	16.61	6.77	500
1184.789	6.27	21.99	23.02	15.88	6.22	500
* 1304.987	6.65	23.07	23.64	18.14	8.07	500

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(35.60, 35.41, 35.21)
 4.Deviations from the specifications: None.

6. EMI Reduction Method During Compliance Testing

No modification was made during testing.