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Exhibit C - Measurement Report



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LECTROMAGNETIC INTERFERENCE TEST REPORT

Company

: GETAC CORP.

Address

: 4F, 1, R&D ROAD 2 HSINCHU SCIENCE-BASED

INDUSTRIAL PARK HSINCHU, TAIWAN, R.O.C.

Sample Name : Notebook PC

Model

: A-740

Date Received : MAY. 14, 1998

Date Tested

: MAY. 20, 1998

MEASUREMENT PROCEDURE USED:

FCC RULES AND REGULATION PART 15 SUBPART B CLASS B OCTOBER 1996 AND ANSI C63.4 MAY 1992

WE HEREBY CERTIFY THAT: The measurements shown in the attachment were made in accordance with the procedures indicated, and the energy emitted by the equipment was found to be within the limits applicable. We assume full responsibility for the accuracy and completeness of these measurements and vouch for the qualifications of all persons taking them.

	Name Signature		Date	
Testing Engineer	C.F.Wu/NVLAP	O.F. Will	MAY. >1 1 PPR	
Approving Manager	Paul Y. Liau/NVLAP	Paul (Lian	May 22, 1998	
	<u></u>		7	

Notes:

- 1. This report will be invalid if duplicated or photocopied in part.
- 2. This report refers only to the specimen(s) submitted to test, and is invalid as seperately used.
- 3. This report is invalid without examination stamp and signature of this institute.
- 4. The tested specimen(s) will be preserved for thirty days from the date issued.
- 5. This is a NIST/NVLAP accrediated report but not consitituted and endersed by US government.

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1. GENERAL INFORMATION

1.1 DESCRIPTION OF EUT

COMPANY

: GETAC CORP.

SAMPLE NAME

: Notebook PC

MODEL NUMBER : A-740

SERIAL NO.

: -----

POWER SUPPLY : 22.5VDC (from power adapter)

POWER CORD

: Unshielded cable

SIGNAL CABLE

: Shielded cable (1.5m)



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1.2 DESCRIPTION OF PERIPHERALS

(1) MONITOR

MODEL NUMBER : POWERMATE 486SX/25e

SERIAL NUMBER

MANUFACTURER : NEC CORP.

F.C.C. ID

: B7ZA72

POWER CORD

: Unshielded, Detachable, 1.8m

(2) KEYBOARD

MODEL NUMBER : M

MANUFACTURER : IBM CORP.

PART NUMBER

: 1391401

POWER SOURCE

: 5VDC (FROM PC)

FCC ID

: 3101568

(3) MOUSE

M-S34 MODEL NUMBER

MANUFACTURER : HP CORP.

: LZB61608842 SERIAL NUMBER

POWER SOURCE

: 5VDC (FROM PC)

FCC ID

: DZL210582

(4) MODEM

MODEL NUMBER : 4007AM

: A10740073303 SERIAL NUMBER

MANUFACTURER : Hayes CORP.

FCC ID

: BFJ4000AM

POWER SUPPLY

: 9 VAC (FROM AC ADAPTOR)

(5) PRINTER

MODEL NUMBER : KX-P1180

: -----SERIAL NUMBER

MANUFACTURER : Panasonic COPR.

FCC ID

: ACJ5Z6KX-P1180

POWER CORD

: Shielded, Detachable, 1.8m

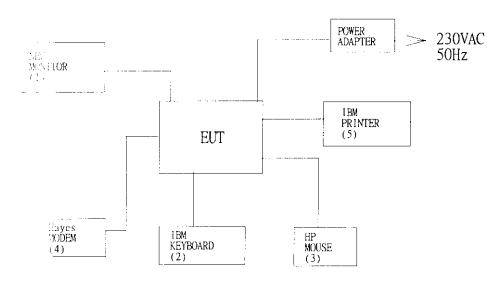
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1.3 EUT & PERIPHERALS SETUP DIAGRAM



1.4 EUT OPERATING CONDITION

- 1. Power adapter plug to EUT.
- 2.PS/2 port connect PS/2 keyboard, the other connect PS/2 mause.
- 3. Serial port connect Modem.
- 4. Parallel port connect printer.
- 5.VGA port connect monitor.
- 6. Power on.
- 7. Key in "EMITEST.EXE" and run it in DOS mode.

1.5 DESCRIPTION OF TEST SITE

SITE DESCRIPTION : FCC certificate NO. :31040/SIT

DNV certificate NO. : 510-96-1016

TUV R. certificate NO. :19664582-9610

Lloyd's certificate NO. :LA003

BCIQ certificate NO.: SL2-IN-E-02

NVLAP Lab code :200118-0

CNLA certificate NO.: CNLA-ZL97018 VCCI certificate NO.: R-629, C-650

NAME OF SITE : Electronics Research & Service Organization

Industrial Technology Research Institute

SITE LOCATION : K500, 195-4, sec. 4, Chung Hsing Rd.,

Chu-Tung Chen. Hsin-Chu, Taiwan 31015 R.O.C.



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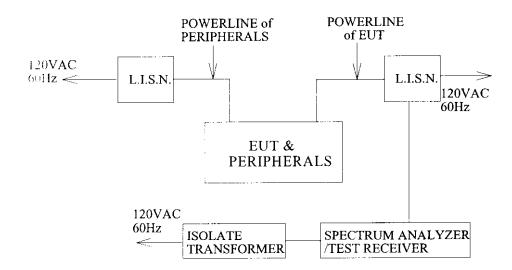
2. CONDUCTED POWERLINE TEST

2.1 TEST EQUIPMENTS

The following test equipments are used during the conducted powerline tests:

MANUFACTURER OR TYPE	MODEL No	SERIAL NO.	DATE OF CALIBRATION
SPECTRUM ANALYZER & DISPLAY	HP 8568A	2235A02320	MAR. 05, 1998
QUASI-PEAK ADAPTER	HP 85650 A	2341A00672	MAR. 05, 1998
ISOLATION TRANSFORMER	SOLAR 7032-1	N/A	N/A
I.I.S.N.	EMCO 3850/2	9311-1025 9401-1028	MAR. 24. 1998
TEST RECEIVER	R/S ESH3	8720791118	MAR. 13, 1998
SHIELDED ROOM	KEENE 5983	N/A	N/A

2.2 TEST SETUP





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2.3 CONDUCTED POWER LINE EMISSION LIMIT

FREQUENCY	MAXIMUM RF LINE VOLTAGE (dB μ V)			
(MHz)	CLASS A	CLASS B		
0.45 - 1.705	60	48		
1.705 - 30.0	69.5	48		

2.4 TEST PROCEDURE

The test procedure is performed in a $12\text{ft} \times 12\text{ft} \times 8\text{ft}(L \times W \times H)$ shielded room.

the EUT along with its peripherals were placed on a 1.0m(W)× 1.5m(L) and 0.8m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane. The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chasis ground was bounded to the horizontal ground plane of shielded room. All peripherals were connected to the second LISN and the chasis ground also bounded to the horizontal ground plane of shielded room. The excess power cable between the EUT and the LISN was bundled. The power cables of peripherals were unbundled. All connecting cables of EUT and peripherals were moved to find the maximum emission.

2.5 UNCERTAINTY OF CONDUCTED EMISSION

The uncertainty of conducted emission is ± 1.36 dB.



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2.6 LINE CONDUCTED RF VOLTAGE MEASUREMENT

The frequency spectrum from 0.45 MHz to 30 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits. All readings are Quasi-peak values.

_	Temperature: 23 °C Humidity: 50 % RH				
FREQUENCY	REA	LIMITS			
(MHz)	ONE END & GRD'D	THE OTHER END & GRD'D	$(dB \mu V)$		
0.450	*	*	48.00		
0.458	28.40	*	48.00		
0.523	*	32.70	48.00		
0.657	*	31.01	48.00		
3.421	33.69	*	48.00		
3.880	*	35.30	48.00		
3.897	36.50	*	48.00		
4.220	35.70	*	48.00		
4.346	*	34.71	48.00		
4,807	*	31.81	48.00		
4.827	32.61	*	48.00		
8.058	29.44	28.24	48.00		
23.026	36.39	36.79	48.00		
24.834	33.99	*	48.00		
30,000	*	*	48.00		

REMARKS : 1. *Undetectable



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3. RADIATED EMISSION TEST

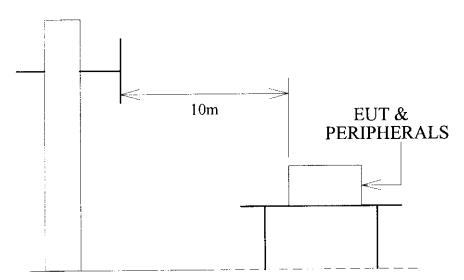
3.1 TEST EQUIPMENTS

The following test equipments are utilized in making the measurements contained in this report.

MANUFACTURER OR TYPE	MODEL NO	SERIAL NO.	DATE OF CALIBRATION
CHASE BI-LOG ANTENNA	CBL6111A	1546	MAY.26, 1997
R/S TEST RECEIVER	ESMI	842088/005 841978/008	MAY.22, 1997
ANECHOIC/SHIELDED ROOM	KEENE 5981	N/A	N/A

3.2 TEST SETUP

The diagram below shows the test setup which is utilized to make these measurements.



Antenna Elevation Variable



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3.3 RADIATION LIMIT

All emanation from a class B computing device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

FREQUENCY	FIELD STRENGTHS(dB μ V/M)			
(MHz)	CLASS A(10m) CLASS B(3m			
30-88	39.0	40.0		
88-216	43.5	43.5		
216-960	46.4	46.0		
960 - 1000	49.5	54.0		

Note: (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 closest point of any part of the device or system.

3.4 TEST PROCEDURE

The devices under test were placed on a rotatable table top 0.8 meter above ground. The table was rotated 360 degrees to determine the position of the highest radiation. EUT is set 10 meters from the interference receiving antenna which is mounted on the top of a variable height mast. The antenna height is varied between one meter and four meters above ground to find the maximum value of the field strength Both horizontal polarization and vertical polarization of the antenna are set to make the measurement.

The bandwidth setting on the E.M.I. meter (R/S TEST RECEIVER ESMI) is 120 KHz. The levels are quasi peak value readings. The frequency spectrum from 30MHz to 1000MHz was investigated.

3.5 UNCERTAINTY OF RADIATED EMISSION

The uncertainty of radiated emission is ± 2.72 dB.



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3.6 RADIATED RF NOISE MEASUREMENT

The frequency spectrum from 30 MHz to 1000 MHz was investigated. All emissions not reported below are more than 20 dB below the prescribed limits. All readings are quasi-peak values.

Temperature : 25 °C

Humidity: 76 % RH

EREC	ANTENNA	CABLE	METER READING LIMITS EMISSION LEVEL			N LEVEL	
FREQ-	1		,			AT3m (dB μ V/M)	
UENCY	FACTOR	LOSS	ATTUM (c	$B \mu V/M)$			
			HORIZON-	VERTICAL		HORIZON-	VERTICAL
(MHz)	(dB)	(dB)	TAL		$(dB \mu V/M)$	TAL	
30.00	19.71	1.20	*	*	40.00	*	*
119.74	11.81	2.20	5.08	*	43.50	29.09	*
191.83	9.04	2.76	*	11.28	43.50	*	33.08
199.90	8.95	2.80	6.48	10.16	43.50	28.23	31.91
200.00	8.95	2.80	5.08	6.80	43.50	26.83	28.55
200.45	8.95	2.80	13.48	10.16	43.50	35.23	31.91
240.01	11.73	3.04	*	4.56	46.00	*	29.33
280.01	12.94	3.22	*	3.44	46.00	*	29.60
332.21	14.08	3.46	6.76	9.04	46.00	34.30	36.58
441.09	16.63	3.96	*	6.52	46.00	*	37.11
682.30	20.64	4.83	5.64	*	46.00	41.11	*
1000.00	24.69	5.70	*	*	54.00	*	*

REMARKS: 1. * Undetectable

2. Emission level at 3m (dB μ V/M) =Antenna Factor (dB) + Cable loss (dB)

+ Meter Reading at 10m (dB μ V/M)+10(dB).

3. 10m measured data are transferred to 3m by the formula L2=L1(d1/d2) μ V/M from CISPR 22 20LogL2=20LogL1+20Log(d1/d2) $dB \mu V/M$