EMCJ
EMC Japan Corp.

TEST REPORT

ORDER No. : 99062613(D)

DATE : Jun. 9, 1999

CUSTOMER : Advanced Peripherals Technologies, Inc

EMC Japan Corporation

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EMC TEST REPORT

Test Order NO. : 99062613(D)

Jun. 9, 1999

1. APPLICANT

- Company name :Advanced Peripherals Technologies, Inc
- Address :1031 Fujisawa Fujisawa-shi, Kanagawa
  251-0052 Japan
  Phone:0466-28-3116

2. EQUIPMENT UNDER TEST (E. U. T.)

- Device Name :Dot Matrix Printer
- Model Number :T927LL
- Serial Number :5 02788

3. SUMMARY OF TEST RESULTS

Emission test item	Basic standard	Result
RADIATED EMISSION MEASUREMENTS	FCC Part15 Subpart B Class B:1996	Complies
CONDUCTED POWER LINE MEASUREMENT	FCC Part15 Subpart B Class B:1996	Complies

4. DATE OF TEST

- Test Item received :Jun. 2, 1999
- Test Completed on :Jun. 2, 1999

- Test Performed by : T. Nomura T. NOMURA Date : Jun. 2, 1999
- Test Report Made by : Yuko Suzuki YUKO SUZUKI Date : Jun. 10, 1999
- Test Report Approved by : Yukio Suzuki YUKIO SUZUKI Date : Jun. 10, 1999

5. TEST PLACE

- Place :EMC Japan Corporation TSUKUI TEST SITE NO. 2
- Address :1686-4 Nagatake, Tsukui-Machi
  Kanagawa, 220-0204 Japan

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The results in this report apply only to the sample tested.

EQUIPMENT

No.	Equipment	Manufacturer	Model No.	Serial No.	Note
1	Dot Matrix Printer	TSE	T927LL	502788	EUT FCC ID:M36M 96 003
2	Mouse	DEC Corporation	PC7XS-AA	LT40710384	To Host PC Mouse(Core) FCC ID:DLZ210513
3	Host PC	IBM(JAPAN)	8573-121	93F3055	Host PC (Lap Top Type) FCC ID:ACJ9TG8573C
4	Auto Sheet Feeder	TOSEI DENKI	01804	———	To Printer Option
5	Serial I/F Card	TSE	01805	———	Built In EUT Option

USED CABLE

No.	Cable Name	Manufacturer	Length (m)	Bundled Length	Shield	Core	Note
a	I/F Cable	———	1.9 m	1.0 m	yes	none	Parallel I/F
b	Printer Power code (961125/3)	VOLEX PTE LTD	1.9 m	1.0 m	none	none	
c	AC Cable	———	1.9 m	1.0 m	none	yes	PC Power Code
d	Serial I/F Cable (ZR30-404)	LOAS	3.0 m	0.4 m	yes	none	

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RADIATED EMISSION

FCC Part15 Subpart B Class B:1996

List of measurement equipment

ITEM	MANUFACTURER	MODEL	Serial No.
TEST RECEIVER	ROHDE SCHWARZ	ESV	892371/006
RF PRE AMP	HEWLETT PACKARD	8449B	3008A00791
SPECTRUM ANALIZER	HEWLETT PACKARD	8562B	2923A 00418
TEST RECEIVER	ROHDE SCHWARZ	ESH2	892237/016
SPECTRUM ANALIZER	HEWLETT PACKARD	8564E	3650A00686
CAL. DIPOLE ANTENNA	SCHWARZBECK	VHAP	450/451
CAL. DIPOLE ANTENNA	SCHWARZBECK	UHAP	429/430
DIPOLE ANTENNA	SCHWARZBECK	VHA9103	none
DIPOLE ANTENNA	SCHWARZBECK	UHA9105	none
BICONICAL ANTENNA	SCHWARZBECK	BBA9106	none
LOG-PERI ANTENNA	SCHWARZBECK	UHALP9107	none
LISN	ROHDE SCHWARZ	ESH2-Z5	893606/003
LOOP ANTENNA	ROHDE SCHWARZ	HFH2-Z2	893. 103/003
HORN ANTENNA HORN ANTENNA	SCHWARZBECK SCHWARZBECK	BBHA 9120-B BBHA 9120-B	121 122
HORN ANTENNA HORN ANTENNA	EMCO(CMT) EMCO(CMT)	3160-07 3160-08	9603-1048 9508-1035
HORN ANTENNA HORN ANTENNA	EMCO(CMT) EMCO(CMT)	3160-09 3160-10	9707-1086 9704-1051

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Test Plan

DATE: Jun. 2, 1999	Condition: 25℃ 38%
The size of EUT	(646(W) × 206(H) × 272(D) mm) 10.5 kg
Representative operating conditions of the EUT	PRINT MODE
Disposition	Table Top, above the ground plane 0.8m
The type of test facility	Open site
The position of the receiving antenna	Height 1-4m at 3 meters distance from the EUT
The type of antenna to be used	Biconical(BBA9106), Log-Peri(UHALP9107)
Test frequency	30MHz-1000MHz
The performance criteria which are acceptable	EUT Complies with Limits of FCC Part15 Subpart B Class B:1996
Power Supply	A.C. 120V 60Hz

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FCC Part15 Subpart B Class B:1996

RADIATED EMISSION TEST RESULTS

COMPANY : APTI
MODEL NAME : Dot Matrix Printer
MODEL NO. : T927LL
POWER : A.C 120V 60Hz
:
TEMP : 25℃ 38%
DESCRIPTION : Sr.No : 5 02788
:

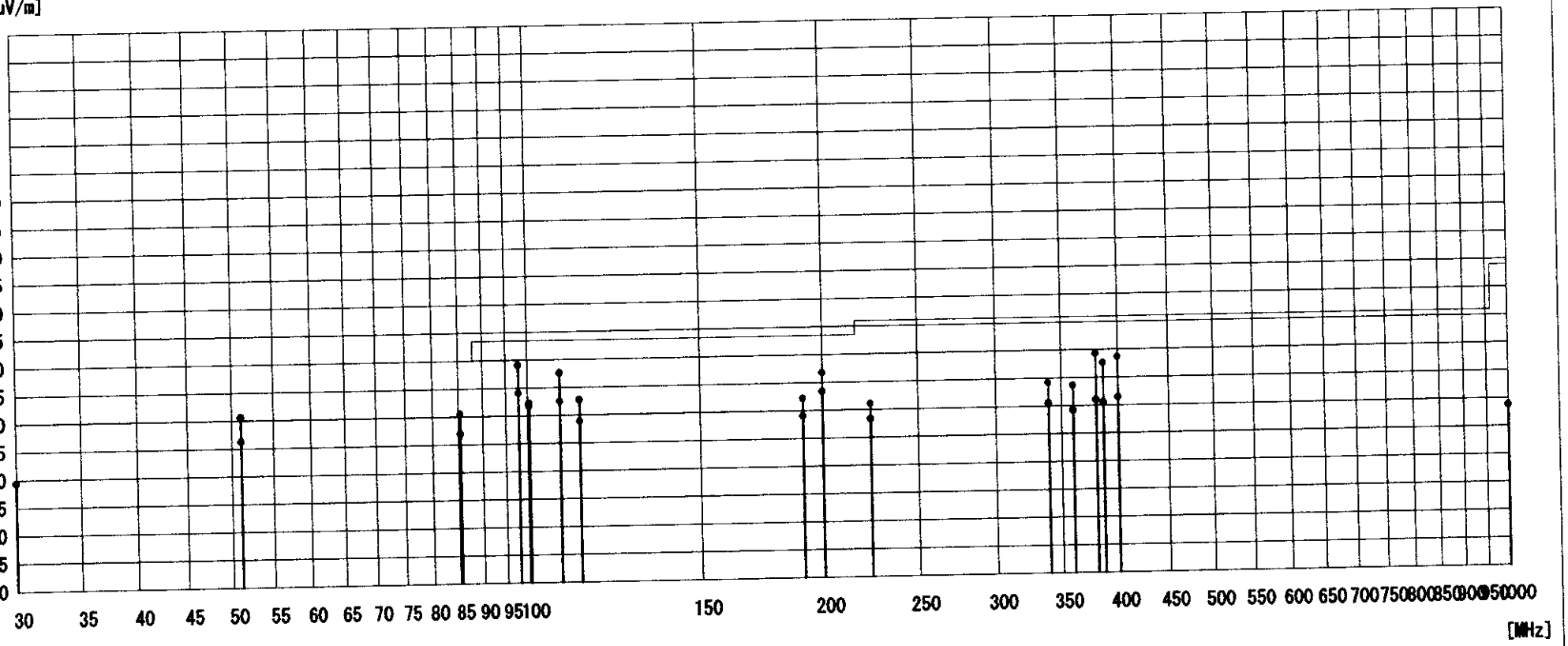
REPORT NO. : 99062613(D)
STANDARD : FCC Part15
CLASS : B
DISTANCE : 3m
TEST MODE : PRINT MODE
ENGINEER : T.NOMURA

LIMIT1 : FCC Part15 Subpart.B Class B (3m)
LIMIT2 :

	FREQUENCY [MHz]	METER READING VER. [dBuV]	HOR. [dBuV]	FACTOR [dB]	FIELD STRENGTH VER. [dBuV/m]	HOR. [dBuV/m]	LIMITS [dBuV/m]	MARGIN VER. [dB]	MARGIN HOR. [dB]	MEMO
1	30.000	25.4	25.4	-5.9	19.5	19.5	40.0	20.5	20.5	NOISE LEVEL
2	51.100	44.1	39.7	-13.4	30.7	26.3	40.0	9.3	13.7	
3	85.390	43.5	47.1	-16.5	27.0	30.6	40.0	13.0	9.4	
4	97.950	52.6	47.6	-13.4	39.2	34.2	43.5	4.3	9.3	
5	100.470	45.1	44.6	-12.8	32.3	31.8	43.5	11.2	11.7	
6	108.000	49.2	44.1	-11.5	37.7	32.6	43.5	5.8	10.9	
7	113.030	43.5	39.6	-10.7	32.8	28.9	43.5	10.7	14.6	
8	190.890	34.6	37.8	-5.5	29.1	32.3	43.5	14.4	11.2	
9	200.000	38.4	41.8	-5.0	33.4	36.8	43.5	10.1	6.7	
10	223.540	33.5	36.2	-5.0	28.5	31.2	46.0	17.5	14.8	
11	340.000	35.9	39.6	-5.3	30.6	34.3	46.0	15.4	11.7	
12	360.000	33.9	38.4	-4.6	29.3	33.8	46.0	16.7	12.2	
13	380.000	35.1	43.3	-4.0	31.1	39.3	46.0	14.9	6.7	
14	386.590	34.4	41.5	-3.8	30.6	37.7	46.0	15.4	8.3	
15	400.000	34.9	42.1	-3.4	31.5	38.7	46.0	14.5	7.3	
16	1000.000	23.5	23.5	5.4	28.9	28.9	54.0	25.1	25.1	NOISE LEVEL

COMPANY	: APTI	REPORT NO.	: 99062613(D)
MODEL NAME	: Dot Matrix Printer	STANDARD	: FCC Part15
MODEL NO.	: T927LL	CLASS	: B
POWER	: A.C 120V 60Hz	DISTANCE	: 3m
	:	TEST MODE	: PRINT MODE
TEMP	: 25℃ 38%	ENGINEER	: T.NOMURA
DESCRIPTION	: Sr.No : 5 02788		
	:		
LIMIT1 —	: FCC Part15 Subpart.B Class B (3m)		
LIMIT2	:		

VER. : ● HOR. : ●



CONDUCTED POWER LINE

FCC Part15 Subpart B Class B:1996

List of measurement equipment

ITEM	MANUFACTURER	MODEL	Serial No.
TEST RECEIVER	ROHDE SCHWARZ	ESH2	892237/016
SPECTRUM ANALIZER	HEWLETT PACKARD	8562B	2923A 00418
LISN	ROHDE SCHWARZ	ESH3-Z6 ESH3-Z6	844950/0024 837172/017

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Test Plan

DATE: Jun. 2, 1999	Condition: 25℃ 49%
The size of EUT	(646(W) × 206(H) × 272(D) mm) 10.5 kg
Representative operating conditions of the EUT	PRINT MODE
Disposition	Table Top, above the ground plane 0.8m
The type of test facility	Shield Room
Test frequency	450kHz-30MHz
The performance criteria which are acceptable	EUT Complies with Limits of FCC Part15 Subpart B Class B:1996
Power Supply	A.C. 120V 60Hz

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FCC Part15 Subpart B Class B:1996

CONDUCTED POWER LINE TEST RESULTS

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Results of Conducted Power Line Measurements. : Quasi Peak

Measuring Method : FCC 15 Sub.B Class B:1996.

\ / L1 : Measured Value

EUT : Dot Matrix Printer
Model : T927LL
Serial No. : 5 02788

Test Mode : PRINT MODE

Description : A.C.120V 60Hz
Temp. : 25°C

*** Remarks ***

Frequency (MHz)	RFI Voltage (dBuV) N	RFI Voltage (dBuV) L1	Limit (dBuV)	Margin (dB)
0.450	26.6	22.6	48.0	21.4
3.761	45.1	39.9	48.0	2.9
7.238	25.8	24.6	48.0	22.2
10.794	35.1	34.9	48.0	12.9
20.092	28.0	27.9	48.0	20.0
24.046	36.0	36.9	48.0	11.1
27.052	31.2	31.5	48.0	16.5
30.000	19.4	21.8	48.0	26.2

Conclusion : EUT Complies With Limits
of FCC 15 Sub.B Class B:1996.

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Results of Conducted Power Line Measurements.

Measuring Meathod : FCC 15 Sub.B Class B: 1996.

Order No. : 99062613(D)

EUT : Dot Matrix Printer
Model : T927LL
Serial No. : S 02788
Test Mode : PRINT MODE

—— : Limit Line
x : Measured Value (N)
o : Measured Value (L1)