

FCC TEST REPORT

REPORT NO.: F910703A04

MODEL NO.: M851U, M870U

RECEIVED: July 03, 2002

TESTED: July 18 ~ 23, 2002

APPLICANT: BEHAVIOR TECH COMPUTER CORP.

ADDRESS: 2F, 51 TUNG HSING RD., TAIPEI,

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0528 ILAC MRA



Lab Code: 200102-0



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1 CERTIFICATION

PRODUCT: MOUSE BRAND NAME: BTC

MODEL NO: M851U, M870U

TEST ITEM: ENGINEERING SAMPLE

APPLICANT: BEHAVIOR TECH COMPUTER CORP.

STANDARDS: FCC Part 15, Subpart B, Class B

CISPR 22: 1997, Class B

ANSI C63.4-1992

We, **Advance Data Technology Corporation**, hereby certify that two samples (model: M851U & M870U) of the designation has been tested in our facility from July 18 \sim 23, 2002. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions herein specified.

CHECKED BY: ______, DATE: _______, July 26, 2002

APPROVED BY: Fred Gen, DATE: July 26, 2002

(Fred Chen, Manager)



2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

Standard	Test Type	Test Type Result Remar	
			Meets Class B Limit
FCC Part 15,	Conducted Test	PASS	Minimum passing margin is
Subpart B, Class B CISPR 22: 1997, Class B ANSI C63.4-1992			-17.85 dB at 0.210MHz
			Meets Class B Limit
	Radiated Test	PASS	Minimum passing margin is
ANGI C03.4-1992			-8.2 dB at 186.38 MHz

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



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	MOUSE
MODEL NO.	M851U, M870U
POWER SUPPLY	DC 5V, 50mA (From PC)
DATA CABLE	Non-shielded (1.9)

NOTE: The EUT is a USB Mouse.

The EUT has two model names, which are identical to each other in all aspects except for their model name and outer appearance so there will be a little difference in the layout:

Model	Brand
M851U	DTC
M870U	BTC

During the test, both of two models were tested separately and their data were recorded in this report.

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



3.2 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID	
4	PERSONAL	HP	Drio DA410	SC12106021	FCC DoC Approved	
l	COMPUTER	ПР	Brio BA410 SG12106031		FCC DoC Approved	
2	MONITOR	HP	D2842A	KR93473124	BEJCB910	
3	PRINTER	EPSON	LQ-300+	DCGY017059	FCC DoC Approved	
4	MODEM	ACEEX	1414	980020533	IFAXDM1414	
5	PS/2 KEYBOARD	BTC	5121W	A00801378	E5XKB5121WTH0110	

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS			
1	NA			
2	1.5 m braid shielded wire, terminated with VGA connector via metallic frame, w/o core			
1.2m braid shielded wire, terminated with DB25 and Centronics connector via me				
3	frame, w/o core			
_	1.2 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame,			
4	w/o core.			
5	1.6 m foil shielded wire, terminated with PS/2 connector via metallic frame, w/o core.			

NOTE: All power cords of the above support units are non shielded (1.8m).



4 EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A	(dBuV)	Class B (dBuV)		
FREQUENCY (MHZ)	Quasi-peak	Average	Quasi-peak	Average	
0.15 - 0.5	79	66	66 - 56	56 - 46	
0.50 - 5.0	73	60	56	46	
5.0 - 30.0	73	60	60	50	

NOTES: (1) The lower limit shall apply at the transition frequencies.

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

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
ROHDE & SCHWARZ Test Receiver	ESHS30	828109/007	July 4, 2003
ROHDE & SCHWARZ Artificial	ESH3-Z5	839135/006	July 2, 2002
Mains Network (for EUT)	ESH3-Z3	639135/006	July 3, 2003
* ROHDE & SCHWARZ	ENY41	020110/020	Dog 2 2002
4-wire ISN	ENT41	838119/028	Dec. 2, 2002
* ROHDE & SCHWARZ	ENY22	837497/016	Dec. 2, 2002
2-wire ISN	EINT 22	03/49//010	Dec. 2, 2002
EMCO-L.I.S.N. (for peripheral)	3825/2	9204-1964	July 3, 2003
Software	Cond-V2M1	NA	NA
RF cable (JYEBAO)	5D-FB	Cable-C02.01	July 5, 2003
HP Terminator (For EMCO LISN)	11593A	E1-01-298	Feb. 20, 2003
HP Terminator (For EMCO LISN)	11593A	E1-01-299	Feb. 20, 2003

NOTE: 1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.

- 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- 3. "*": These equipment are used for conducted telecom port test only (if tested).
- 4. The test was performed in ADT Shielded Room No. 2.
- 5. The VCCI Site Registration No. is C-240.



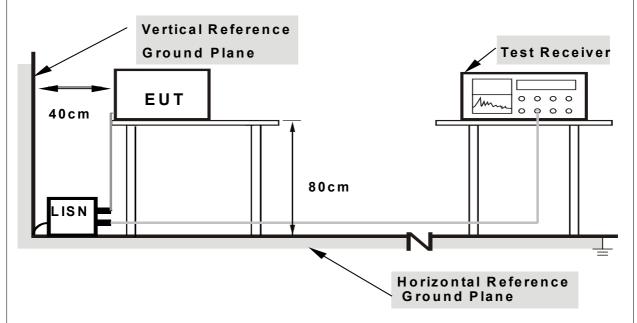
4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels ov 10dB under the prescribed limits could not be reported.	er
1.1.4 DEVIATION FROM TEST STANDARD	
No deviation	



4.1.5 TEST SETUP



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

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

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



4.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power of all equipment.
- b. PC read a test program to enable all functions.
- c. PC read and wrote messages from FDD and HDD.
- d. PC sent "H" messages to monitor and monitor displayed "H" patterns on screen.
- e. PC sent "H" messages to modem.
- f. PC sent "H" messages to printer, and the printer printed them on paper.
- g. Steps c-g were repeated.

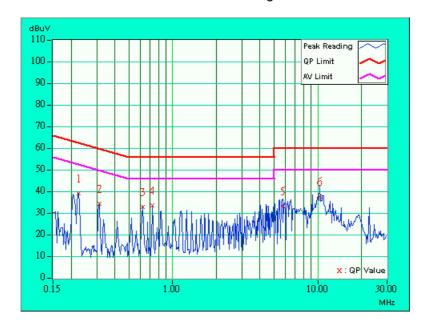


4.1.7 TEST RESULTS (A)

EUT	MOUSE	MODEL	M851U
201	INIOUSE	6dB BANDWIDTH	9 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	25 deg. C, 70 % RH, 1005 hPa	TESTED BY: Jone Lin	

	Freq.	Corr.	Readin	g Value	Emis Le	sion vel	Lir	nit	Mar	gin
No		Factor	[dB ((uV)]	[dB ((uV)]	[dB ((uV)]	(dl	В)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.225	0.10	38.65	-	38.75	-	62.63	52.63	-23.88	-
2	0.312	0.10	33.87	ı	33.97	ı	59.92	49.92	-25.95	-
3	0.624	0.10	32.51	ı	32.61	ı	56.00	46.00	-23.39	-
4	0.726	0.10	33.07	-	33.17	-	56.00	46.00	-22.83	-
5	5.727	0.39	32.55	-	32.94	-	60.00	50.00	-27.06	-
6	10.337	0.62	37.14	-	37.76	-	60.00	50.00	-22.24	-

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

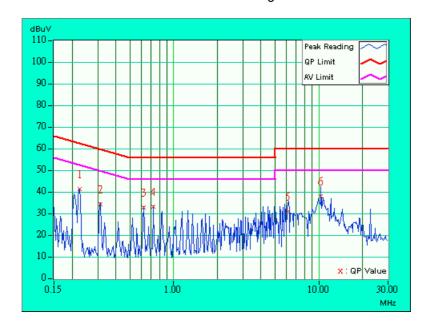




EUT	MOUSE	MODEL	M851U
201	MOUSE	6dB BANDWIDTH	9 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	25 deg. C, 70 % RH, 1005 hPa	TESTED BY: Jone Lin	

	Freq.	Corr.	Readin	g Value	Emission Level		Limit		Margin			
No		Factor	[dB ((uV)]	[dB ([dB (uV)]		[dB (uV)] [dB (uV)]		(uV)]	(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.		
1	0.224	0.10	41.12	-	41.22	-	62.66	52.66	-21.44	-		
2	0.312	0.10	34.11	-	34.21	-	59.92	49.92	-25.71	-		
3	0.624	0.10	32.49	-	32.59	ı	56.00	46.00	-23.41	-		
4	0.728	0.10	33.05	-	33.15	-	56.00	46.00	-22.85	-		
5	6.164	0.34	30.72	-	31.06	ı	60.00	50.00	-28.94	-		
6	10.339	0.42	37.83	-	38.25	-	60.00	50.00	-21.75	-		

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



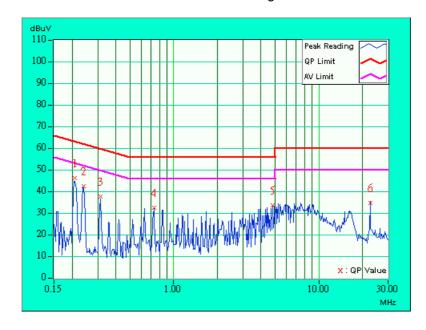


4.1.8 TEST RESULTS (B)

EUT	MOUSE	MODEL	M870U
	MOOSE	6dB BANDWIDTH	9 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL 28 deg. C, 60 % RH, 1005 hPa		TESTED BY: Jone Lin	n

	Freq.	Corr.	Readin	g Value	Emission Level		Limit		Margin		
No		Factor	[dB	(uV)]	[dB (uV)]		[dB (uV)] [dB (uV)]		(uV)]	(dl	3)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.210	0.10	44.86	-	44.96	-	63.22	53.22	-18.26	-	
2	0.240	0.10	41.35	-	41.45	-	62.10	52.10	-20.65	-	
3	0.313	0.10	36.35	-	36.45	-	59.88	49.88	-23.43	-	
4	0.732	0.10	31.34	-	31.44	-	56.00	46.00	-24.56	-	
5	4.785	0.34	32.59	-	32.93	-	56.00	46.00	-23.07	-	
6	22.571	1.25	33.45	-	34.70	-	60.00	50.00	-25.30	-	

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

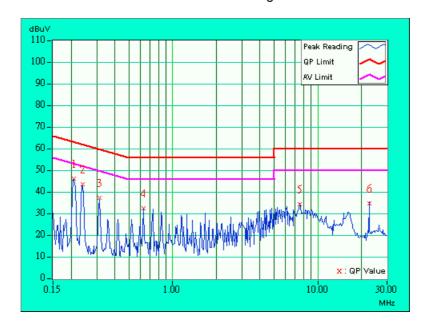




EUT	MOUSE	MODEL	M870U
EUI	WOOSE	6dB BANDWIDTH	9 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	28 deg. C, 60 % RH, 1005 hPa	TESTED BY: Jone Lin	

	Freq.	Corr.	Readin	nding Value Emission Level		Limit		Margin		
No		Factor	[dB	(uV)]	[dB ((uV)]	[dB	(uV)]	(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.210	0.10	45.26	-	45.36	•	63.21	53.21	-17.85	-
2	0.240	0.10	42.49	-	42.59	-	62.10	52.10	-19.51	-
3	0.315	0.10	36.29	-	36.39	ı	59.85	49.85	-23.46	-
4	0.627	0.10	31.42	-	31.52	ı	56.00	46.00	-24.48	-
5	7.523	0.36	33.49	-	33.85	ı	60.00	50.00	-26.15	-
6	22.570	1.10	33.57	-	34.67	-	60.00	50.00	-25.33	-

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





4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT FOR FREQUENCY BELOW 1000 MHz

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

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

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

Note: (1) The lower limit shall apply at the transition frequencies.

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



4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
HP Spectrum Analyzer	8590L	3544A00941	Dec.10, 2002
HP Pre-Amplifier	8447D	2944A08312	Aug. 19, 2002
* HP Preamplifier	8449B	3008A01201	Dec. 06, 2002
* HP Preamplifier	8449B	3008A01292	Aug. 21, 2002
* R&S Receiver	ESI7	100033	May 28, 2003
SCHWARZBECK Tunable	VHA 9103	E101051	Nov. 22, 2002
Dipole Antenna	UHA 9105	E101055	Nov. 23, 2002
* ROHDE & SCHWARZ TEST	ESMI	839013/007	lan 27 2002
RECEIVER	ESIVII	839379/002	Jan. 27, 2003
* CHASE BILOG Antenna	CBL6111A	1500	Aug. 30, 2002
* SCHWARZBECK Horn Antenna	BBHA9120-D1	D130	July 3, 2003
* EMCO Horn Antenna	3115	9312-4192	April 9, 2003
* EMCO Turn Table	1060-04	1196	NA
* EMCO Tower	1051	1264	NA
* Software	AS61D4	NA	NA
* ANRITSU RF Switches	MP59B	M06089	Aug. 30, 2002
* TIMES RF cable	LMR-600	CABLE-ST1-01	Aug. 30, 2002

NOTE: 1.The measurement uncertainty is less than +/- 3.0dB, which is calculated as per the NAMAS document NIS81.

- 2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to NML/ROC and NIST/USA.
- 3. "*" = These equipment are used for the final measurement.
- 4. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 5. The test was performed in ADT Open Site No. 1.
- 6. The VCCI Site Registration No. is R-236.

4.2.3 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the



- rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

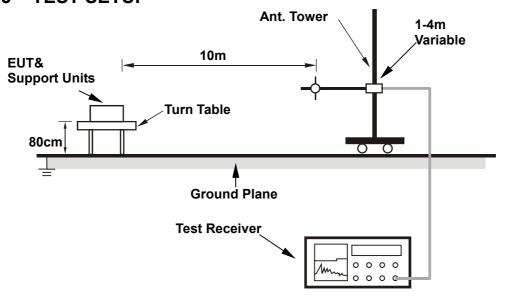
NOTE:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 300 Hz for Average detection (AV) at frequency above 1GHz.
- 3. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the interference antenna.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



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

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6

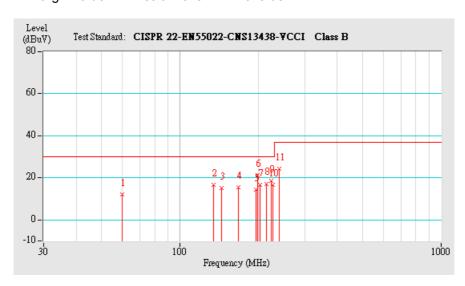


4.2.7 TEST RESULTS (A)

	MOUSE	MODEL	M851U	
EUT		FREQUENCY RANGE	30-1000 MHz	
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz	
ENVIRONMENTAL CONDITIONS	23 deg. C, 75 % RH, 1005 hPa	TESTED BY: Jone Lin		

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M								
	Freg.	Emission	Limit	Margin	Antenna	Table	Raw	Correction	
No.	(MHz)	Level	(dBuV/m)	(dB)	Height	Angle	Value	Factor	
	(IVIHZ)	(dBuV/m)	(ubu v/III)	(ub)	(m)	(Degree)	(dBuV)	(dB/m)	
1	59.88	12.2 QP	30.00	-17.80	1.00 H	5	5.20	7.00	
2	134.67	16.8 QP	30.00	-13.20	4.00 H	6	4.00	12.90	
3	144.54	15.3 QP	30.00	-14.70	4.00 H	6	2.70	12.60	
4	167.00	15.7 QP	30.00	-14.30	4.00 H	91	4.50	11.20	
5	195.88	14.4 QP	30.00	-15.60	4.00 H	359	3.80	10.60	
6	198.72	21.1 QP	30.00	-8.90	4.00 H	5	10.50	10.70	
7	201.80	16.8 QP	30.00	-13.20	4.00 H	36	6.00	10.80	
8	214.85	17.2 QP	30.00	-12.80	4.00 H	44	5.60	11.60	
9	223.33	18.5 QP	30.00	-11.50	4.00 H	177	6.40	12.10	
10	226.40	16.7 QP	30.00	-13.30	4.00 H	105	4.40	12.30	
11	239.80	24.2 QP	37.00	-12.80	4.00 H	217	11.10	13.10	

- 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
- 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission level Limit value.

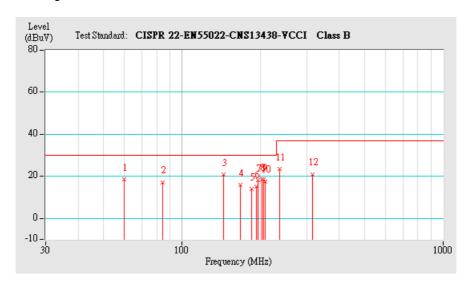




	MOUSE	MODEL	M851U	
EUT		FREQUENCY RANGE	30-1000 MHz	
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz	
ENVIRONMENTAL CONDITIONS	23 deg. C, 75 % RH, 1005 hPa	TESTED BY: Jone Lin		

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M									
No.	No. Freq. (MHz)	Emission Level	Limit (dBuV/m)	Margin (dB)	Antenna Height	Table Angle	Raw Value	Correction Factor		
		(dBuV/m)	(ubu v/III)	(ub)	(m)	(Degree)	(dBuV)	(dB/m)		
1	59.98	18.6 QP	30.00	-11.40	1.00 V	194	11.60	7.00		
2	83.99	17.2 QP	30.00	-12.80	1.00 V	128	8.40	8.90		
3	144.43	20.9 QP	30.00	-9.10	1.00 V	196	8.30	12.60		
4	167.20	15.8 QP	30.00	-14.20	1.00 V	323	4.60	11.20		
5	184.32	14.1 QP	30.00	-15.90	1.00 V	62	3.70	10.40		
6	192.60	15.1 QP	30.00	-14.90	1.00 V	355	4.50	10.50		
7	195.65	18.0 QP	30.00	-12.00	1.00 V	327	7.40	10.60		
8	201.65	18.7 QP	30.00	-11.30	1.00 V	355	7.90	10.80		
9	204.80	18.7 QP	30.00	-11.30	1.00 V	107	7.70	11.00		
10	207.88	17.6 QP	30.00	-12.40	1.00 V	37	6.40	11.20		
11	236.00	23.4 QP	37.00	-13.60	1.00 V	270	10.50	12.90		
12	315.90	21.1 QP	37.00	-15.90	1.00 V	300	5.60	15.40		

- 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
- 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission level Limit value.



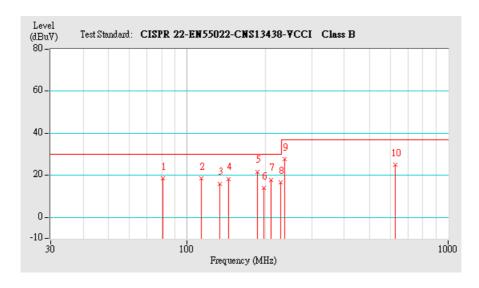


4.2.8 TEST RESULTS (B)

	MOUSE	MODEL	M870U	
EUT		FREQUENCY RANGE	30-1000 MHz	
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz	
ENVIRONMENTAL CONDITIONS	23 deg. C, 70 % RH, 1005 hPa	TESTED BY: Jone Lin		

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M							
Erog	Freq.	l evel	Limit	Margin	Antenna	Table	Raw	Correction
No.	No. (MHz)		-	•	Height	Angle	Value	Factor
		(dBuV/m)	(dBuV/m)	(dB)	(m)	(Degree)	(dBuV)	(dB/m)
1	80.56	18.6 QP	30.00	-11.40	4.00 H	256	10.10	8.50
2	113.67	18.5 QP	30.00	-11.50	4.00 H	201	6.10	12.40
3	132.99	16.1 QP	30.00	-13.90	4.00 H	74	3.20	12.90
4	144.16	18.4 QP	30.00	-11.60	4.00 H	53	5.80	12.60
5	186.38	21.8 QP	30.00	-8.20	4.00 H	256	11.40	10.40
6	196.84	14.0 QP	30.00	-16.00	4.00 H	140	3.40	10.60
7	209.15	18.0 QP	30.00	-12.00	4.00 H	5	6.80	11.20
8	228.88	16.6 QP	30.00	-13.40	4.00 H	356	4.10	12.50
9	236.21	27.7 QP	37.00	-9.30	3.68 H	135	14.80	12.90
10	626.50	25.0 QP	37.00	-12.00	1.12 H	252	0.90	24.10

- 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
- 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission level Limit value.

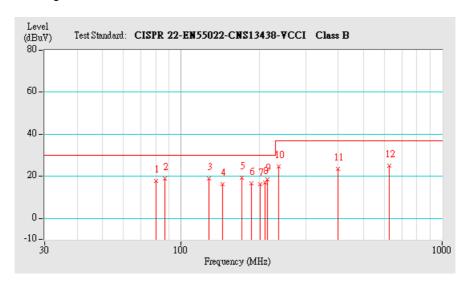




EUT	MOUSE	MODEL	M870U	
		FREQUENCY RANGE	30-1000 MHz	
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz	
ENVIRONMENTAL CONDITIONS	23 deg. C, 70 % RH, 1005 hPa	TESTED BY: Jone Lin		

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M							
Freq.	Emission	Limit	Margin	Antenna	Table	Raw	Correction	
No.	No. (MHz)	Level	(dBuV/m)	(dB)	Height	Angle	Value	Factor
	(1011 12)	(dBuV/m)			(m)	(Degree)	(dBuV)	(dB/m)
1	80.05	17.7 QP	30.00	-12.30	1.00 V	194	9.20	8.40
2	86.41	19.1 QP	30.00	-10.90	1.00 V	348	9.90	9.20
3	127.64	19.0 QP	30.00	-11.00	1.00 V	105	6.20	12.90
4	144.12	16.2 QP	30.00	-13.80	1.00 V	185	3.60	12.60
5	170.59	19.2 QP	30.00	-10.80	1.00 V	290	8.30	10.90
6	186.50	16.7 QP	30.00	-13.30	1.00 V	302	6.30	10.40
7	200.38	16.4 QP	30.00	-13.60	1.00 V	181	5.70	10.70
8	209.23	17.0 QP	30.00	-13.00	1.00 V	305	5.70	11.30
9	214.10	18.5 QP	30.00	-11.50	1.00 V	205	6.90	11.60
10	236.00	24.8 QP	37.00	-12.20	1.00 V	123	12.00	12.90
11	398.30	23.6 QP	37.00	-13.40	1.00 V	68	5.60	18.00
12	628.00	25.1 QP	37.00	-11.90	3.03 V	99	1.00	24.10

- 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
- 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission level Limit value.





5 PHOTOGRAPHS OF THE TEST CONFIGURATION

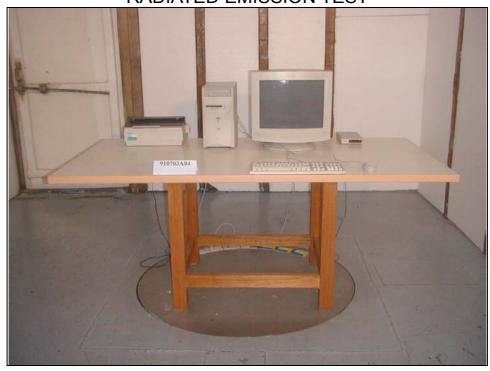
















6 APPENDIX - INFORMATION ON THE TESTING LABORATORIES

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

USA FCC, NVLAP, UL TUV Rheinland

Japan VCCI
New Zealand MoC
Norway NEMKO

Canada INDUSTRY CANADA

R.O.C. CNLA, BSMI

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml.

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