FCC TEST REPORT

REPORT NO.: F930809A07

MODEL NO.: M859C

RECEIVED: August 9, 2004

TESTED: August 9 to 11, 2004

APPLICANT: BEHAVIOR TECH COMPUTER CORP.

ADDRESS: 2F. 51. Tung Hsing Rd., Taipei, Taiwan, R.O.C.

ISSUED BY: Advance Data Technology Corporation

LAB LOCATION: 47 14th Lin, Chiapau Tsun, Linko, Taipei, Taiwan, R.O.C.

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0528
ILAC MRA

Lab Code: 200102-0

No. 2177-01

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1 CERTIFICATION

PRODUCT:	MOUSE
BRAND NAME:	BTC, EMPREX
MODEL NO:	M859C
APPLICANT:	BEHAVIOR TECH COMPUTER CORP.
TESTED:	August 9 to 11, 2004
TEST ITEM:	ENGINEERING SAMPLE
STANDARDS:	FCC Part 15, Subpart B, Class B
	CISPR 22: 1997, Class B
	ICES-003: 2004, Class B
	ANSI C63.4-2001

The above equipment has been tested by **Advance Data Technology Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Kathy Tseng , **DATE:** August 16, 2004
(Kathy Tseng)

TECHNICAL ACCEPTANCE : Henry Lai , **DATE:** August 16, 2004
Responsible for EMI
(Henry Lai)

APPROVED BY : Mike Su. , **DATE:** August 16, 2004
(Mike Su, Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Remarks
FCC Part 15, Subpart B, Class B CISPR 22: 1997, Class B ICES-003: 2004, Class B	Conducted Test	PASS	Meets Class B Limit Minimum passing margin is –19.02dB at 0.213MHz
	Radiated Test	PASS	Meets Class B Limit Minimum passing margin is –8.34dB at 120.36MHz

Note: The limit for radiated test was performed according to CISPR 22: 1997, which was specified in FCC PART 15 Subpart B 15.109(g). Also the limits of ICES-003: 2004 and FCC PART 15 Subpart B are same.

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4:

Measurement	Value
Conducted emissions	2.55 dB
Radiated emissions	3.08 dB

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	MOUSE
MODEL NO.	M859C
POWER SUPPLY	DC 5V (from PC)
DATA CABLE SUPPLIED	USB Shielded cable (1.5m) +USB to PS/2 Connector

NOTE:

1. The EUT is a mouse which has two kinds of Interface, the original one is USB type and the additional is PS/2 connector.

2. The EUT has two brand names, which are identical to each other for marketing purpose only.

MODEL	BRAND NAME
M859C	BTC
	EMPREX

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

3.2 DESCRIPTION OF TEST MODES

The EUT was tested under following test modes:

TEST MODE	DESCRIPTION
MODE 1	With PS/2 Connector
MODE 2	USB Connector Only

All modes were tested and their data were recorded in this report.

3.3 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
1	PERSONAL COMPUTER	LEO	Persica 8620G	1A36I98A000205	FCC DoC Approved
2	MONITOR	ADI	CM100	020058T10200179	FCC DoC Approved
3	PRINTER	EPSON	LQ-300+	DCGY017059	FCC DoC Approved
4	MODEM	ACEEX	1414	980020501	IFAXDM1414
5	PS/2 KEYBOARD	BTC	5200T	F24800341	E5XKB5122WTH0110

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A
2	1.8 m braid shielded wire, terminated with VGA connector via metallic frame, with two cores
3	1.8m braid shielded wire, terminated with DB25 and Centronics connector via metallic frame, w/o core
4	1.2 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame, 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)	
	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	ESCS30	834115/016	Jan. 30, 2005
ROHDE & SCHWARZ Artificial Mains Network (For EUT)	ESH2-Z5	892107/003	Jun 17, 2005
LISN With Adapter (for EUT)	AD10	C03Ada-001	Jun. 17, 2005
* ROHDE & SCHWARZ 4-wire ISN	ENY41	838119/028	Nov. 16, 2004
* ROHDE & SCHWARZ 2-wire ISN	ENY22	837497/018	Nov. 16, 2004
EMCO L.I.S.N. (For peripherals)	3825/2	9504-2359	Jun 28, 2005
Software	ADT_Cond_V7.3.1	NA	NA
Software	ADT_ISN_V7.3.1	NA	NA
RF cable (JYEBAO)	5D-FB	Cable-C03.01	May 9, 2005
Terminator (For EMCO LISN)	NA	E1-01-300	Feb. 1, 2005
Terminator (For EMCO LISN)	NA	E1-01-301	Feb. 1, 2005

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. "*": These equipment are used for conducted telecom port test only (if tested).

3. The test was performed in ADT Shielded Room No. 3.

4. The VCCI Site Registration No. C-274.

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.

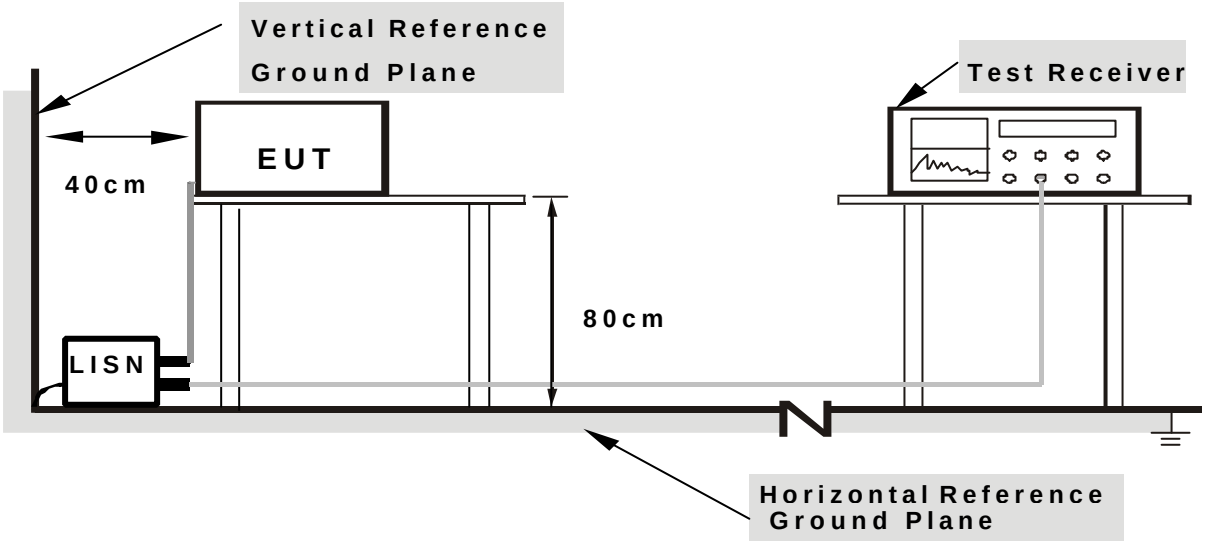
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

4.1.4 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

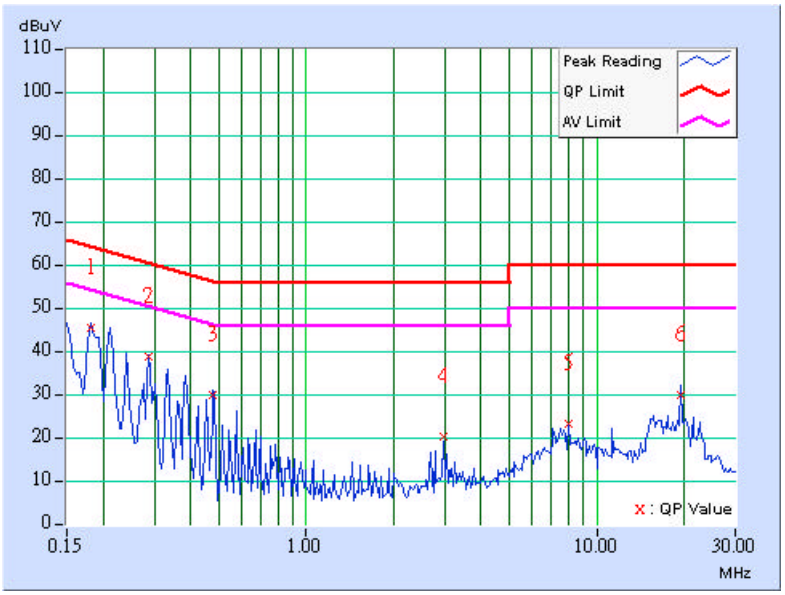
a. Turned on the power of all equipment.
b. PC ran a test program to enable all functions.
c. PC read and wrote messages from FDD and HDD.
d. A mechanical tool, designed to function the EUT, was turned on working mode.
e. PC sent "H" messages to monitor and monitor displayed "H" patterns on screen.
f. PC sent "H" messages to modem.
g. PC sent "H" messages to printer and the printer printed it out.
h. Steps c-h were repeated.

4.1.7 TEST RESULTS (1)

EUT	MOUSE	MODEL	M859C
TEST MODE	Mode 1: PS2	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	27deg. C, 60% RH, 1042hPa	TESTED BY: Michael Wang	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.18	44.46	-	44.64	-	64.43	54.43	-19.79	-
2	0.287	0.20	37.96	-	38.16	-	60.62	50.62	-22.46	-
3	0.478	0.21	28.86	-	29.07	-	56.37	46.37	-27.30	-
4	2.973	0.35	19.11	-	19.46	-	56.00	46.00	-36.54	-
5	7.992	0.60	22.40	-	23.00	-	60.00	50.00	-37.00	-
6	19.504	1.08	29.03	-	30.11	-	60.00	50.00	-29.89	-

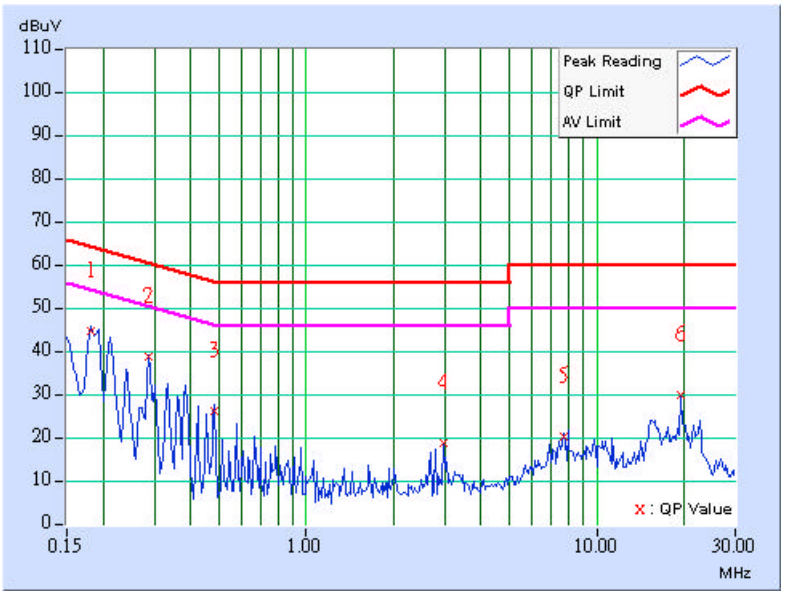
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	MOUSE	**MODEL**	M859C
TEST MODE	Mode 1: PS2	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	27deg. C, 60% RH, 1042hPa	**TESTED BY**: Michael Wang	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.18	44.21	-	44.39	-	64.43	54.43	-20.04	-
2	0.287	0.20	38.29	-	38.49	-	60.62	50.62	-22.13	-
3	0.482	0.21	25.88	-	26.09	-	56.30	46.30	-30.21	-
4	2.973	0.30	18.41	-	18.71	-	56.00	46.00	-37.29	-
5	7.688	0.42	19.80	-	20.22	-	60.00	50.00	-39.78	-
6	19.500	0.59	29.51	-	30.10	-	60.00	50.00	-29.90	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
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.

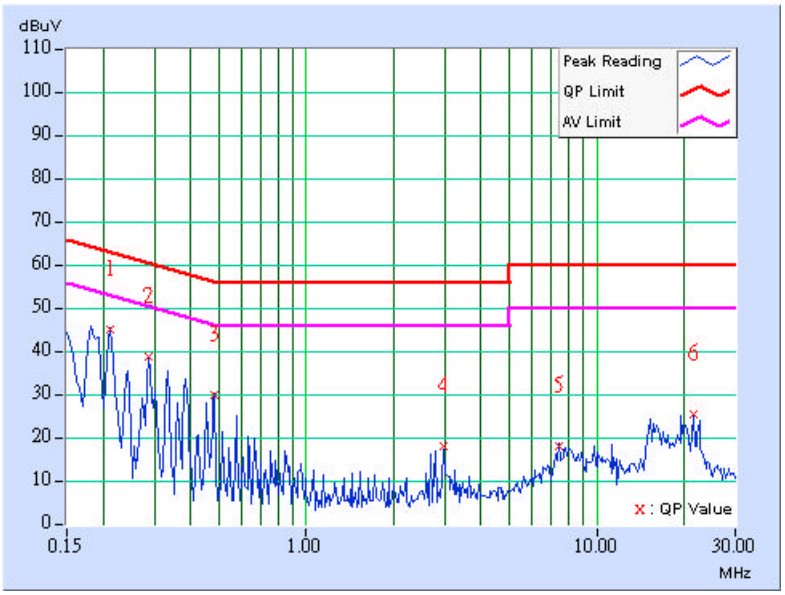


4.1.8 TEST RESULTS (2)

EUT	MOUSE	**MODEL**	M859C
TEST MODE	Mode 2: USB	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	27deg. C, 60% RH, 1042hPa	**TESTED BY**: Michael Wang	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.213**	**0.20**	**43.89**	**-**	**44.09**	**-**	**63.11**	**53.11**	**-19.02**	**-**
2	0.287	0.20	37.94	-	38.14	-	60.62	50.62	-22.48	-
3	0.482	0.21	28.96	-	29.17	-	56.30	46.30	-27.13	-
4	2.973	0.35	17.07	-	17.42	-	56.00	46.00	-38.58	-
5	7.391	0.57	17.07	-	17.64	-	60.00	50.00	-42.36	-
6	21.445	1.13	24.55	-	25.68	-	60.00	50.00	-34.32	-

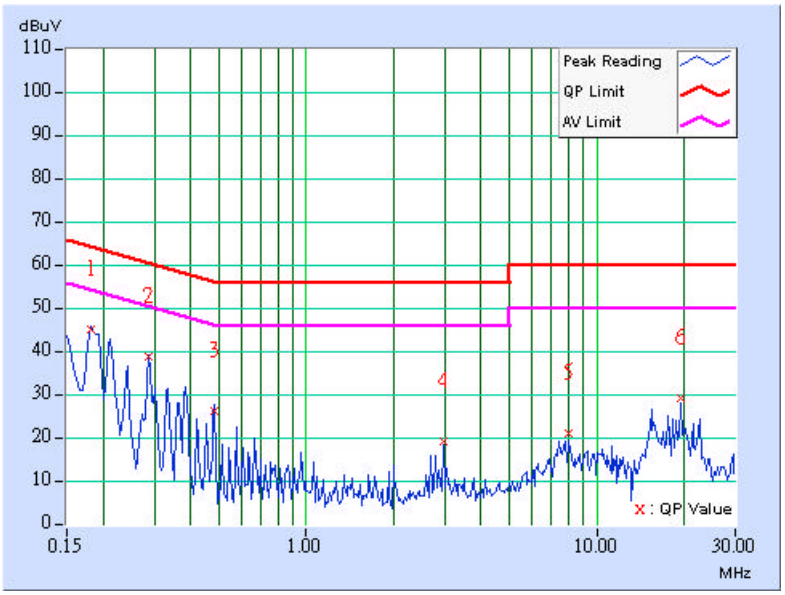
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT	MOUSE	**MODEL**	M859C
TEST MODE	Mode 2: USB	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	27deg. C, 60% RH, 1042hPa	**TESTED BY**: Michael Wang	

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.18	44.52	-	44.70	-	64.43	54.43	-19.73	-
2	0.287	0.20	38.30	-	38.50	-	60.62	50.62	-22.12	-
3	0.482	0.21	25.78	-	25.99	-	56.30	46.30	-30.31	-
4	2.973	0.30	18.73	-	19.03	-	56.00	46.00	-36.97	-
5	7.988	0.43	20.36	-	20.79	-	60.00	50.00	-39.21	-
6	19.496	0.59	28.67	-	29.26	-	60.00	50.00	-30.74	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
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

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

Note: The limit for radiated test was performed according to CISPR 22: 1997, which was specified in FCC PART 15B 15.109(g). Also the limits of ICES-003: 2004 and CISPR 22: 1997 are same.

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

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	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.

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
HP Spectrum Analyzer	8590L	3544A00941	Nov. 4, 2004
HP Preamplifier	8447D	2944A08312	Aug. 26, 2004
* HP Preamplifier	8449B	3008A01924	Oct. 12, 2004
* HP Preamplifier	8449B	3008A01638	Oct. 17, 2004
* R&S Receiver	ESCS 30	100290	Dec 10, 2004
SCHWARZBECK Tunable Dipole Antenna SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	NA 977	Nov. 15, 2004
* ROHDE & SCHWARZ TEST RECEIVER	ESMI	839013/007 839379/002	Feb. 12, 2005
* CHASE BILOG Antenna	CBL6111A	1500	Jul. 16, 2005
* EMCO Horn Antenna	3115	6714	Nov. 26, 2004
* EMCO Horn Antenna	3115	9312-4192	Feb. 28, 2005
* EMCO Turn Table	1060-04	1196	NA
* EMCO Tower	1051	1264	NA
* Software	ADT_Radiated_V5.14	NA	NA
* ANRITSU RF Switches	MP59B	M06089	Jul. 16, 2005
* TIMES RF cable	LMR-600	CABLE-ST1-01	Jul. 16, 2005

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

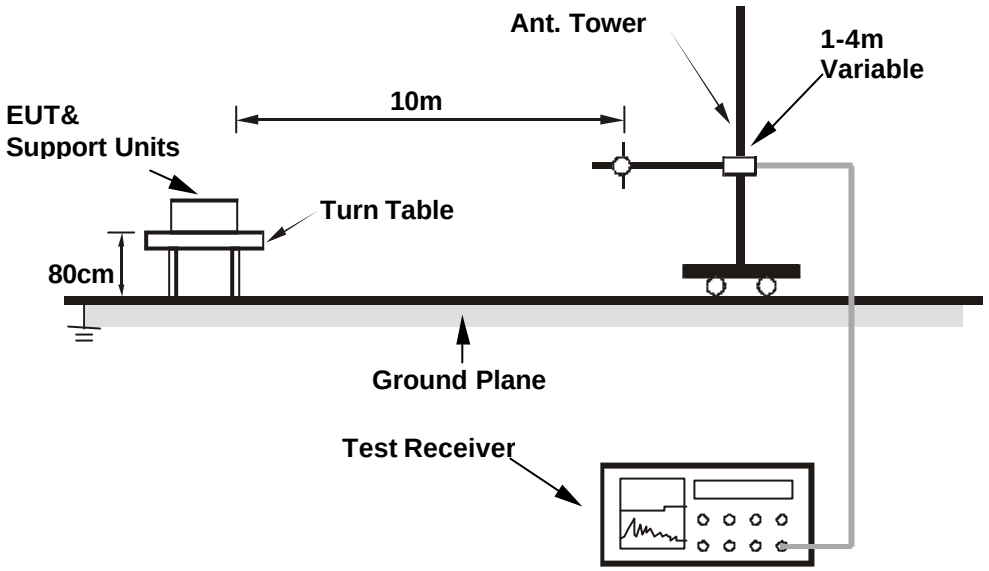
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for 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 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 item 4.1.6

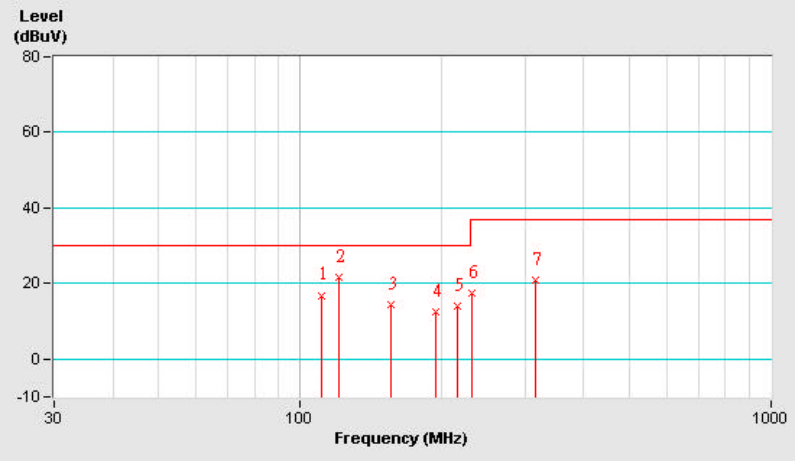
4.2.7 TEST RESULTS (1)

EUT	MOUSE	MODEL	M859C
TEST MODE	Mode 1: PS2	FREQUENCY RANGE	30-1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	27deg. C, 60% RH, 1042hPa	TESTED BY: Michael Wang	

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	110.77	16.85 QP	30.00	-13.15	4.00 H	155	5.24	11.61
2	**120.36**	**21.66 QP**	**30.00**	**-8.34**	**4.00 H**	**285**	**8.95**	**12.71**
3	155.74	14.33 QP	30.00	-15.67	4.00 H	185	2.88	11.45
4	193.60	12.35 QP	30.00	-17.65	4.00 H	174	1.87	10.48
5	216.35	14.04 QP	30.00	-15.96	4.00 H	0	2.32	11.72
6	232.10	17.41 QP	37.00	-19.59	4.00 H	185	4.62	12.79
7	315.21	20.80 QP	37.00	-16.20	3.50 H	197	3.99	16.81

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
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.

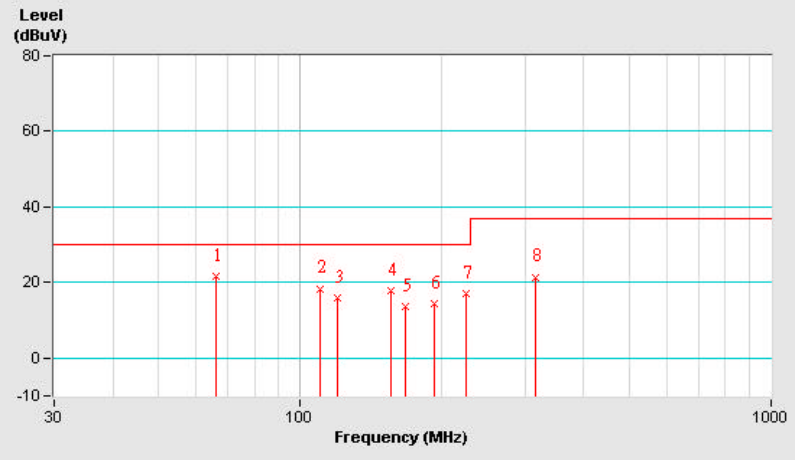


EUT	MOUSE	MODEL	M859C
TEST MODE	Mode 1: PS2	FREQUENCY RANGE	30-1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	27deg. C, 60% RH, 1042hPa	TESTED BY: Michael Wang	

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	66.34	21.65 QP	30.00	-8.35	1.01 V	217	14.96	6.69
2	110.39	18.38 QP	30.00	-11.62	1.00 V	360	6.82	11.56
3	119.70	15.93 QP	30.00	-14.07	1.00 V	268	3.25	12.68
4	155.87	17.69 QP	30.00	-12.31	1.00 V	178	6.25	11.44
5	166.88	13.49 QP	30.00	-16.51	1.00 V	215	2.59	10.90
6	193.21	14.48 QP	30.00	-15.52	1.00 V	323	4.01	10.47
7	224.32	17.14 QP	30.00	-12.86	1.00 V	157	4.88	12.26
8	316.21	21.45 QP	37.00	-15.55	1.00 V	157	4.62	16.83

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
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.

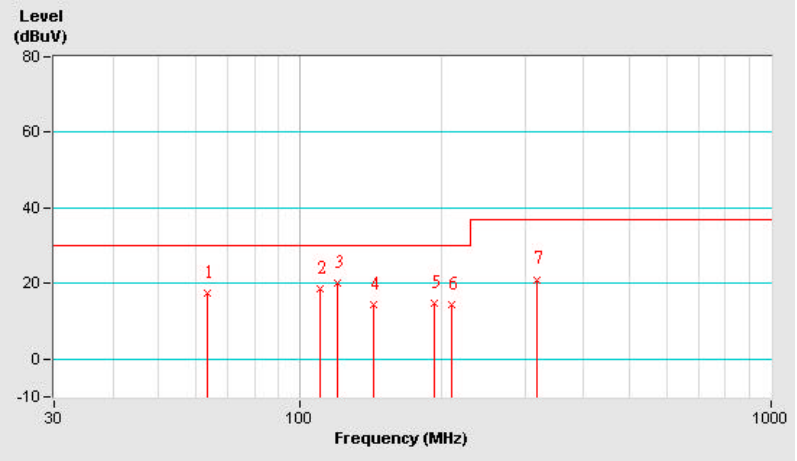


4.2.8 TEST RESULTS (2)

EUT	MOUSE	MODEL	M859C
TEST MODE	Mode 2: USB	FREQUENCY RANGE	30-1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	27deg. C, 60% RH, 1042hPa	TESTED BY: Michael Wang	

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	63.46	17.45 QP	30.00	-12.55	4.00 H	13	11.00	6.45
2	110.53	18.45 QP	30.00	-11.55	4.00 H	99	6.87	11.58
3	120.05	19.94 QP	30.00	-10.06	4.00 H	159	7.22	12.72
4	143.55	14.31 QP	30.00	-15.69	4.00 H	219	2.33	11.98
5	192.32	14.68 QP	30.00	-15.32	4.00 H	360	4.23	10.45
6	209.32	14.45 QP	30.00	-15.55	4.00 H	145	3.21	11.24
7	317.20	21.07 QP	37.00	-15.93	2.45 H	321	4.22	16.85

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
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.

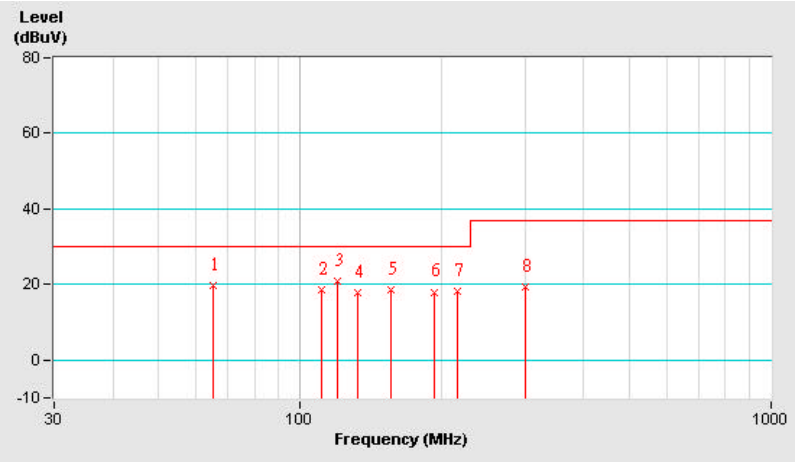


EUT	MOUSE	**MODEL**	M859C
TEST MODE	Mode 1: USB	**FREQUENCY RANGE**	30-1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	**DETECTOR FUNCTION & BANDWIDTH**	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	27deg. C, 60% RH, 1042hPa	**TESTED BY**: Michael Wang	

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	65.24	19.88 QP	30.00	-10.12	1.16 V	214	13.28	6.60
2	111.25	18.66 QP	30.00	-11.34	1.00 V	178	6.99	11.67
3	119.54	20.93 QP	30.00	-9.07	1.00 V	301	8.27	12.66
4	132.54	17.66 QP	30.00	-12.34	1.00 V	188	5.31	12.35
5	155.70	18.45 QP	30.00	-11.55	1.00 V	75	7.00	11.45
6	192.44	18.00 QP	30.00	-12.00	1.00 V	351	7.54	10.46
7	215.32	18.12 QP	30.00	-11.88	1.00 V	225	6.47	11.65
8	301.32	19.43 QP	37.00	-17.57	1.21 V	286	2.88	16.55

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
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

CONDUCTED EMISSION TEST (MODE 1)

CONDUCTED EMISSION TEST (MODE 2)

RADIATED EMISSION TEST (MODE 1)

RADIATED EMISSION TEST (MODE 2)

6 APPENDIX - INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC, Radio, Telecom 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, A2LA
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA , CSA
R.O.C.	CNLA, BSMI, DGT
Netherlands	Telefication
Singapore	PSB , GOST-ASIA(MOU)
Russia	CERTIS(MOU)

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.
If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26052943

Hsin Chu EMC/RF Lab:
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety/Telecom Lab:
Tel: 886-3-3183232
Fax: 886-3-3185050

Linko RF Lab.
Tel: 886-3-3270910
Fax: 886-3-3270892

Email: service@mail.adt.com.tw
Web Site: www.adt.com.tw

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

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