

FCC TEST REPORT

REPORT NO. : RF951013A07

MODEL NO. : M975U

RECEIVED : Oct. 13, 2006

TESTED : Oct. 31 ~ Nov. 01, 2006

ISSUED : Nov. 03, 2006

APPLICANT : BEHAVIOR TECH COMPUTER CORP.

ADDRESS : 20F-B, No.98, Sec. 1, Sintai 5th Rd., Sijhih City,
Taipei County 22102, Taiwan (R.O.C.)

ISSUED BY : Advance Data Technology Corporation

LAB ADDRESS : No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou
Hsiang 244, Taipei Hsien, Taiwan, R.O.C.

TEST LOCATION : No. 19, Hwa Ya 2nd Rd., Wen Hwa Tsuen, Kwei
Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

This test report consists of 22 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product endorsement by CNLA, A2LA or any government agencies. The test results in the report only apply to the tested sample.



Table of Contents

1.	CERTIFICATION	3
2.	SUMMARY OF TEST RESULTS	4
2.1	MEASUREMENT UNCERTAINTY	4
3.	GENERAL INFORMATION	5
3.1	GENERAL DESCRIPTION OF EUT	5
3.2	DESCRIPTION OF TEST MODES	6
3.2.1	CONFIGURATION OF SYSTEM UNDER TEST	6
3.2.2	TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL	7
3.3	GENERAL DESCRIPTION OF APPLIED STANDARDS	8
3.4	DESCRIPTION OF SUPPORT UNITS.....	8
4.	TEST TYPES AND RESULTS	9
4.1	CONDUCTED EMISSION MEASUREMENT	9
4.2	RADIATED EMISSION MEASUREMENT	9
4.2.1	LIMITS OF RADIATED EMISSION MEASUREMENT.....	9
4.2.2	TEST INSTRUMENTS.....	10
4.2.3	TEST PROCEDURES	11
4.2.4	DEVIATION FROM TEST STANDARD	11
4.2.5	TEST SETUP	12
4.2.6	EUT OPERATING CONDITIONS	12
4.2.7	TEST RESULTS	13
4.3	BAND EDGES MEASUREMENT.....	18
4.3.1	LIMITS OF BAND EDGES MEASUREMENT	18
4.3.2	TEST INSTRUMENTS.....	18
4.3.3	TEST PROCEDURE.....	18
4.3.4	DEVIATION FROM TEST STANDARD	18
4.3.5	EUT OPERATING CONDITION.....	18
4.3.6	TEST RESULTS	18
5.	INFORMATION ON THE TESTING LABORATORIES	21
	APPENDIX-A	A-1



1. CERTIFICATION

PRODUCT : Wireless Mouse
BRAND NAME : HP
MODEL NO. : M975U
APPLICANT : BEHAVIOR TECH COMPUTER CORP.
TESTED : Oct. 31 ~ Nov. 01, 2006
TEST SAMPLE : ENGINEERING SAMPLE
STANDARDS : FCC Part 15, Subpart C (Section 15.249)
ANSI C63.4-2003

The above equipment have 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 : Peggy Chen , **DATE**: Nov. 03, 2006
Peggy Chen

TECHNICAL ACCEPTANCE : Long Chen , **DATE**: Nov. 03, 2006
Responsible for RF Long Chen

APPROVED BY : Gary Chang , **DATE**: Nov. 03, 2006
Gary Chang / Supervisor

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C (Section 15.249)			
STANDARD PARAGRAPH	TEST TYPE	RESULT	REMARK
15.207	Conducted Emission Test	NA	Power supply is 3Vdc from batteries
15.209 15.249 15.249 (d)	Radiated Emission Test Band Edge Measurement Limit: 50dB less than the peak value of fundamental frequency or meet radiated emission limit in section 12.209	PASS	Meet the requirement of limit Minimum passing margin is -9.01dB at 2483.50MHz

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	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.47 dB
	200MHz ~1000MHz	3.64 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	Wireless Mouse
MODEL NO.	M975U
FCC ID	E5XMSM975U
POWER SUPPLY	3Vdc from AA batteries
MODULATION TYPE	GFSK
RADIO TECHNOLOGY	DSSS
FREQUENCY RANGE	2410 ~ 2473 MHz
NUMBER OF CHANNEL	64
ANTENNA TYPE	Printed antenna with -2.32 dBi gain
DATA CABLE	NA
I/O PORT	NA

NOTE:

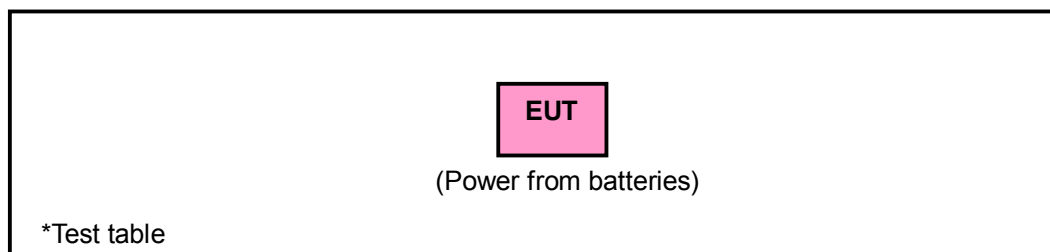
1. The EUT is a wireless mouse.
2. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

64 channels are provided to this EUT:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	2410	20	2430	40	2450	60	2470
1	2411	21	2431	41	2451	61	2471
2	2412	22	2432	42	2452	62	2472
3	2413	23	2433	43	2453	63	2473
4	2414	24	2434	44	2454		
5	2415	25	2435	45	2455		
6	2416	26	2436	46	2456		
7	2417	27	2437	47	2457		
8	2418	28	2438	48	2458		
9	2419	29	2439	49	2459		
10	2420	30	2440	50	2460		
11	2421	31	2441	51	2461		
12	2422	32	2442	52	2462		
13	2423	33	2443	53	2463		
14	2424	34	2444	54	2464		
15	2425	35	2445	55	2465		
16	2426	36	2446	56	2466		
17	2427	37	2447	57	2467		
18	2428	38	2448	58	2468		
19	2429	39	2449	59	2469		

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST



3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO			DESCRIPTION
	RE<1G	RE≥1G	APCM	
-	√	√	√	-

Where **RE<1G**: Radiated Emission below 1GHz **RE≥1G**: Radiated Emission above 1GHz
APCM: Antenna Port Conducted Measurement

RADIATED EMISSION TEST (BELOW 1 GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
0 to 63	63	DSSS	GFSK

Radiated Emission Test (Above 1 GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
0 to 63	0, 25, 63	DSSS	GFSK

Bandedge Measurement:

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
0 to 63	0, 63	DSSS	GFSK



3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C (Section 15.249)
ANSI C63.4-2003

All test items have been performed and recorded as per the above standards.

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

3.4 DESCRIPTION OF SUPPORT UNITS

NA

4. TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

NA

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.249, 15.209 as following:

15.249 Limit

Frequencies (MHz)	Field strength of Fundamental (millivolts/meter)	Field strength of Harmonics (micorvolts/meter)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24.0-24.25GHz	250	2500

15.209 Limit

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESI7	838496/016	Jan. 01, 2007
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100041	Dec. 04, 2006
BILOG Antenna SCHWARZBECK	VULB9168	9168-155	Jan. 15, 2007
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-404	Jan. 01, 2007
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170242	Jan. 19, 2007
Preamplifier Agilent	8449B	3008A01960	Nov. 09, 2006
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	219268/4	Dec. 20, 2006
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	230129/4	Dec. 20, 2006
Software ADT.	ADT_Radiated_V5.14	NA	NA
Antenna Tower inn-co GmbH	MA 4000	010303	NA
Antenna Tower Controller inn-co GmbH	CO2000	019303	NA
Turn Table ADT.	TT100.	TT93021704	NA
Turn Table Controller ADT.	SC100.	SC93021704	NA

- 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. The test was performed in HwaYa Chamber 4.
 3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
 4. The IC Site Registration No. is IC4924-4.

4.2.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 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 Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using the quasi-peak method or average method as specified and then reported in Data sheet peak mode and QP mode.

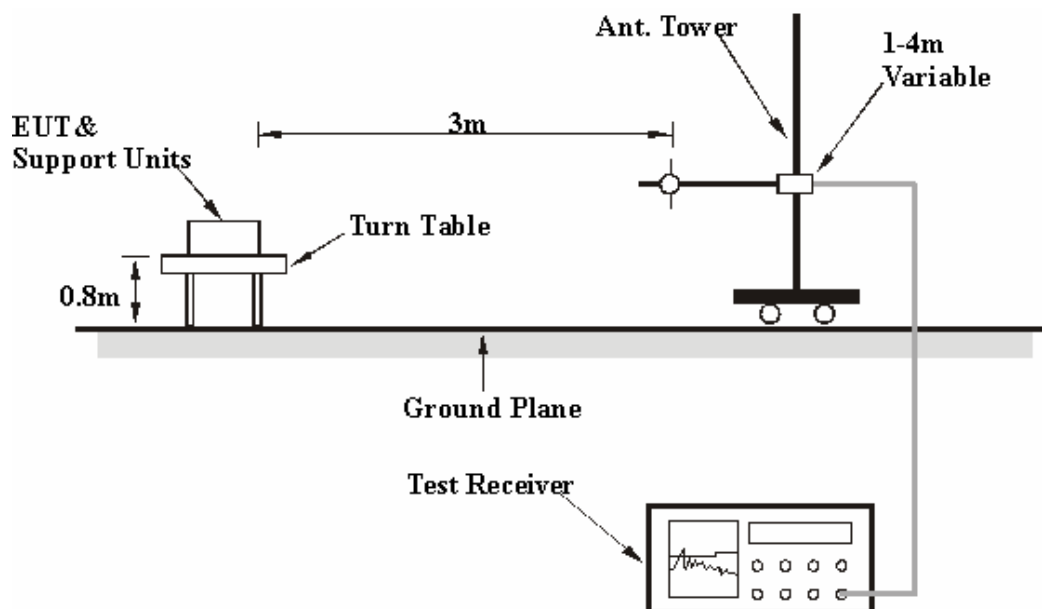
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.

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

Set the EUT under transmission condition continuously at specific channel frequency.

4.2.7 TEST RESULTS

RADIATED WORST-CASE DATA: BELOW 1GHz

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 63	FREQUENCY RANGE	Below 1000 MHz
MODULATION TYPE	GFSK	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25 deg. C, 65 % RH, 991 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 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	37.78	16.20 QP	40.00	-23.80	1.00 H	331	2.35	13.85
2	168.02	18.12 QP	43.50	-25.38	2.00 H	94	5.42	12.70
3	325.47	22.66 QP	46.00	-23.34	1.00 H	145	6.88	15.78
4	572.34	22.40 QP	46.00	-23.60	1.50 H	205	0.71	21.69
5	780.34	24.99 QP	46.00	-21.01	1.50 H	223	-0.99	25.98
6	972.79	30.28 QP	54.00	-23.72	1.50 H	169	0.99	29.29

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 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	35.83	21.68 QP	40.00	-18.32	1.50 V	139	8.40	13.28
2	267.15	20.77 QP	46.00	-25.23	1.00 V	94	7.14	13.63
3	300.20	17.87 QP	46.00	-28.13	1.50 V	82	2.44	15.43
4	599.56	29.25 QP	46.00	-16.75	1.00 V	319	6.72	22.54
5	735.63	25.03 QP	46.00	-20.97	1.50 V	55	-0.28	25.31
6	931.96	29.68 QP	46.00	-16.32	2.00 V	358	0.73	28.95

- 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.



RADIATED WORST-CASE DATA: ABOVE 1GHz

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 0	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	GFSK	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 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	2390.00	53.84 PK	74.00	-20.16	1.11 H	174	21.74	32.10
1	2390.00	44.67 AV	54.00	-9.33	1.11 H	174	12.57	32.10
2	*2410.00	84.59 PK	114.00	-29.41	1.11 H	174	52.41	32.18
2	*2410.00	66.09 AV	94.00	-27.91	1.11 H	174	33.91	32.18
3	4820.00	53.14 PK	74.00	-20.86	1.01 H	329	14.52	38.62
3	4820.00	34.64 AV	54.00	-19.36	1.01 H	329	-3.98	38.62

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 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	2390.00	47.72 PK	74.00	-26.28	1.42 V	5	15.62	32.10
1	2390.00	38.59 AV	54.00	-15.41	1.42 V	5	6.49	32.10
2	*2410.00	78.46 PK	114.00	-35.54	1.42 V	5	46.28	32.18
2	*2410.00	59.96 AV	94.00	-34.04	1.42 V	5	27.78	32.18
3	4820.00	51.09 PK	74.00	-22.91	1.34 V	189	12.47	38.62
3	4820.00	32.59 AV	54.00	-21.41	1.34 V	189	-6.03	38.62

- 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. “ * “ : Fundamental frequency.
 6. The average value of fundamental frequency is: Average = Peak value + $20\log(\text{Duty cycle})$ Where the duty factor is calculated from following formula:

$$20\log(\text{Duty cycle}) = 20\log \frac{0.7 \text{ ms}}{5.9 \text{ ms}} = -18.5\text{dB}$$
- Please see page 20 for plotted duty.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 25	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	GFSK	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 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	*2435.00	83.06 PK	114.00	-30.94	1.07 H	198	50.79	32.27
1	*2435.00	64.56 AV	94.00	-29.44	1.07 H	198	32.29	32.27
2	4870.00	53.26 PK	74.00	-20.74	1.04 H	320	14.50	38.76
2	4870.00	34.76 AV	54.00	-19.24	1.04 H	320	-4.00	38.76

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 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	*2435.00	77.03 PK	114.00	-36.97	1.40 V	8	44.76	32.27
1	*2435.00	58.53 AV	94.00	-35.47	1.40 V	8	26.26	32.27
2	4870.00	51.34 PK	74.00	-22.66	1.31 V	196	12.58	38.76
2	4870.00	32.84 AV	54.00	-21.16	1.31 V	196	-5.92	38.76

- 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. “ * “ : Fundamental frequency.
 6. The average value of fundamental frequency is: Average = Peak value + $20\log(\text{Duty cycle})$ Where the duty factor is calculated from following formula:

$$20\log(\text{Duty cycle}) = 20\log \frac{0.7 \text{ ms}}{5.9 \text{ ms}} = -18.5\text{dB}$$
- Please see page 20 for plotted duty.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 63	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	GFSK	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa	TESTED BY	Brad Wu

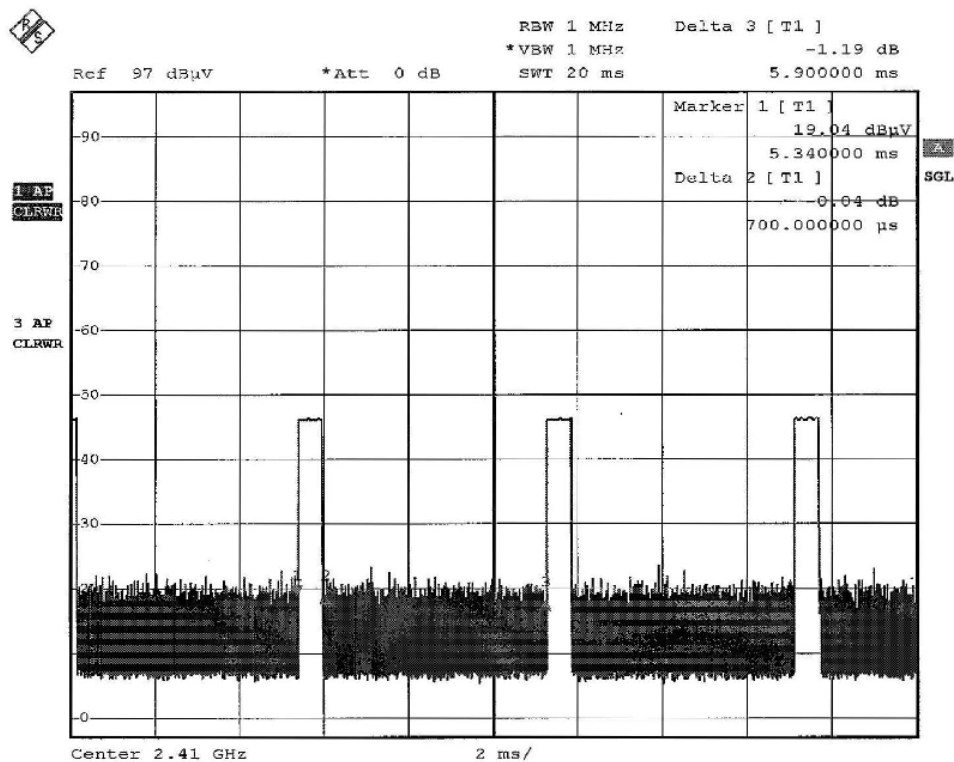
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2473.00	82.99 PK	114.00	-31.01	1.07 H	223	50.59	32.40
1	*2473.00	64.49 AV	94.00	-29.51	1.07 H	223	32.09	32.40
2	2483.50	55.40 PK	74.00	-18.60	1.07 H	223	22.96	32.44
2	2483.50	44.99 AV	54.00	-9.01	1.07 H	223	12.55	32.44
3	4946.00	53.44 PK	74.00	-20.56	1.06 H	219	14.48	38.96
3	4946.00	34.94 AV	54.00	-19.06	1.06 H	219	-4.02	38.96

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 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	*2473.00	76.86 PK	114.00	-37.14	1.38 V	10	44.46	32.40
1	*2473.00	58.36 AV	94.00	-35.64	1.38 V	10	25.96	32.40
2	2483.50	49.32 PK	74.00	-24.68	1.38 V	10	16.88	32.44
2	2483.50	38.85 AV	54.00	-15.15	1.38 V	10	6.41	32.44
3	4946.00	51.49 PK	74.00	-22.51	1.28 V	204	12.53	38.96
3	4946.00	32.99 AV	54.00	-21.01	1.28 V	204	-5.97	38.96

- 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. “ * “ : Fundamental frequency.
 6. The average value of fundamental frequency is: Average = Peak value + $20\log(\text{Duty cycle})$ Where the duty factor is calculated from following formula:

$$20\log(\text{Duty cycle}) = 20\log \frac{0.7 \text{ ms}}{5.9 \text{ ms}} = -18.5\text{dB}$$

Please see page 20 for plotted duty.



$$20\log(\text{Duty cycle}) = 20\log \frac{0.7 \text{ ms}}{5.9 \text{ ms}} = -18.5\text{dB}$$



4.3 BAND EDGES MEASUREMENT

4.3.1 LIMITS OF BAND EDGES MEASUREMENT

Below -50dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SPECTRUM ANALYZER	FSP40	100040	Jun. 07, 2007

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

4.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low loss cable. Set both RBW and VBW of spectrum analyzer to 100 kHz and 100 kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges was measured and recorded.

The spectrum plots are attached on the following pages.

4.3.4 DEVIATION FROM TEST STANDARD

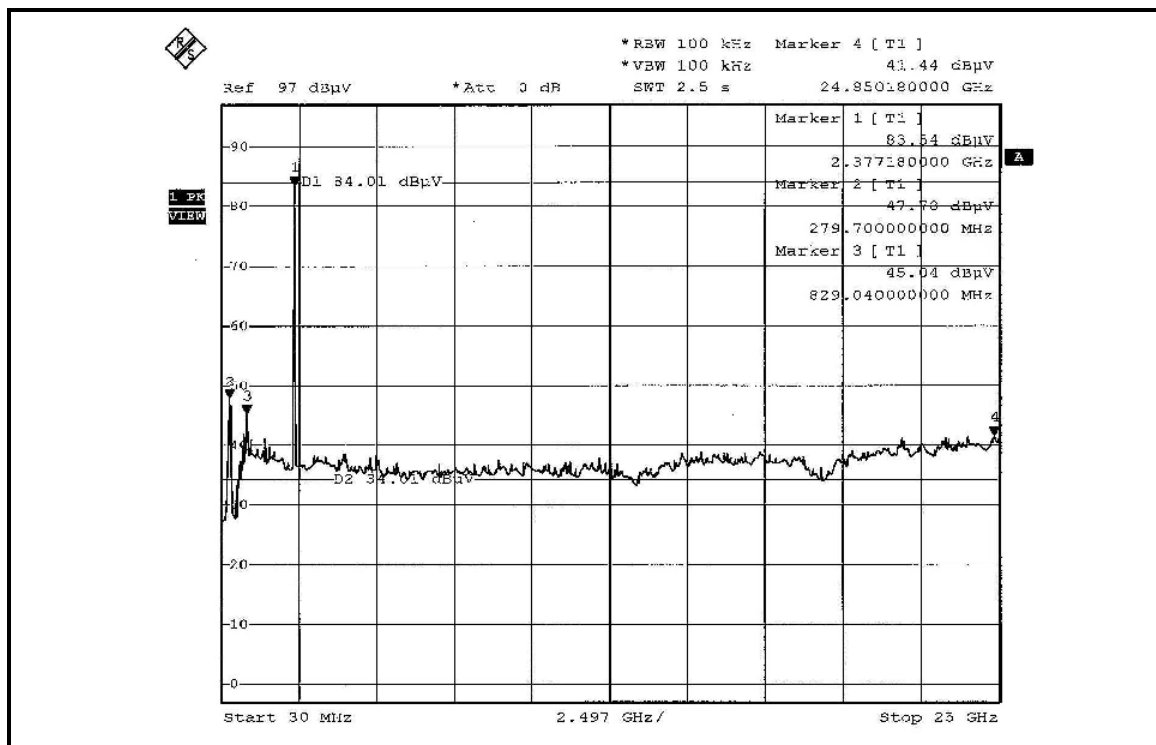
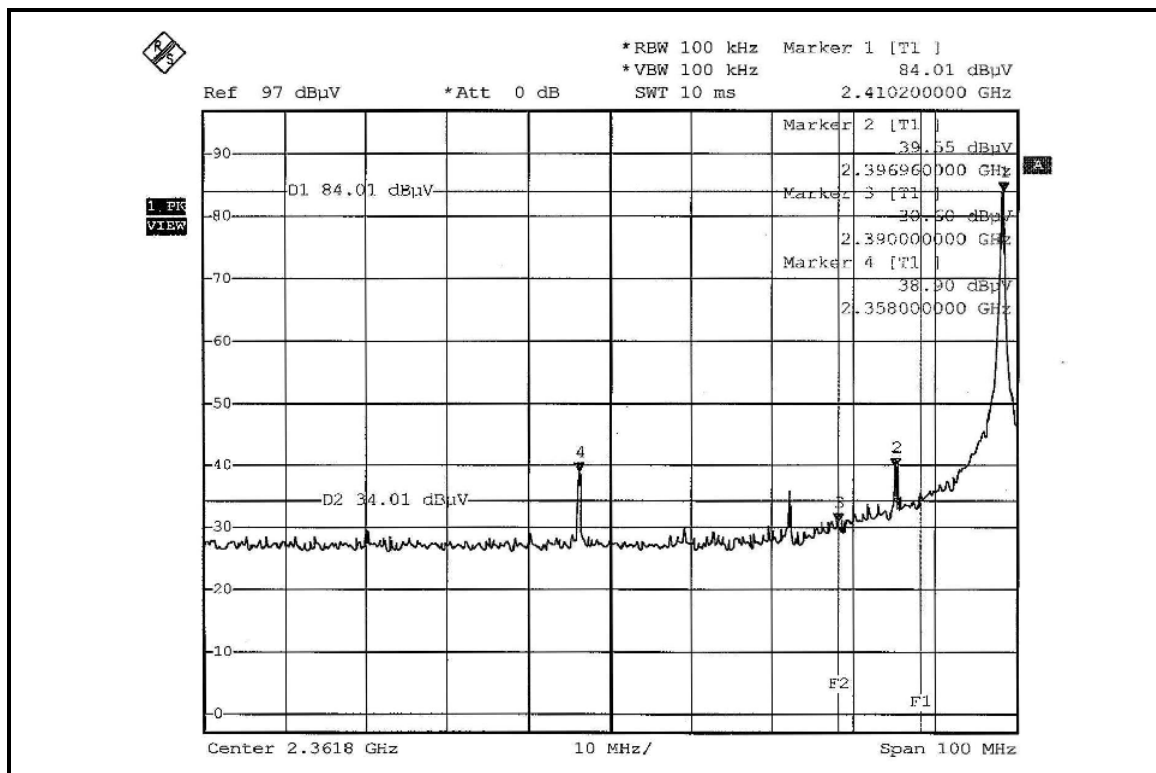
No deviation.

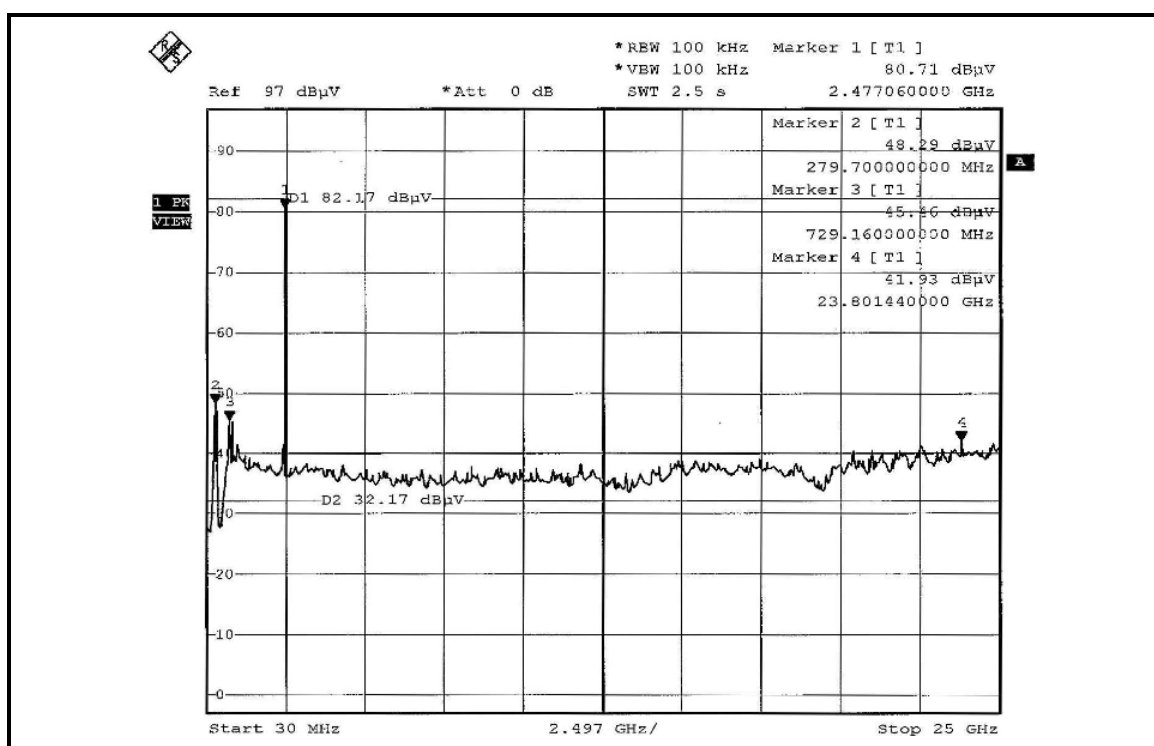
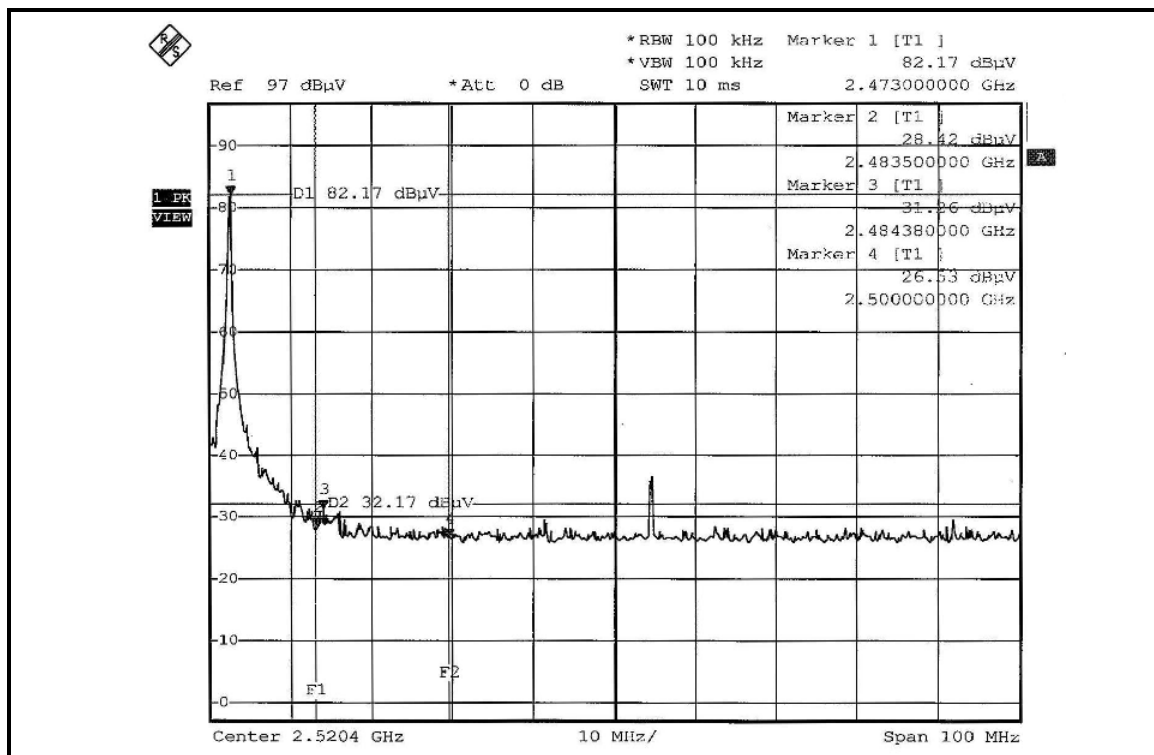
4.3.5 EUT OPERATING CONDITION

Same as Item 4.3.6.

4.3.6 TEST RESULTS

The spectrum plots are attached on the following 4 images. D1 line indicates the highest level, and D2 line indicates the 50dB offset below D1. It shows compliance with the requirement in part 15.249 (d).







5. 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.

USA	FCC, UL, A2LA
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA , CSA
R.O.C.	CNLA, BSMI, NCC
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: 886-2-26051924

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

Web Site: www.adt.com.tw

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



APPENDIX-A

MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.