

# FCC TEST REPORT

**REPORT NO.:** RF971110H01

**MODEL NO.:** M-R0003

**RECEIVED:** Nov. 12, 2008

**TESTED:** Nov. 12 to 17, 2008

**ISSUED:** Nov. 19, 2008

**APPLICANT:** LOGITECH FAR EAST LTD.

**ADDRESS:** #2 Creation Rd. 4, Science-Based Ind. Park  
Hsinchu Taiwan, R.O.C.

**ISSUED BY:** Advance Data Technology Corporation

**LAB LOCATION:** No. 81-1, Lu Liao Keng, 9 Ling, Wu Lung Tsuen,  
Chiung Lin Hsiang, Hsin Chu Hsien, 307  
Taiwan, R.O.C.

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# 1 CERTIFICATION

**PRODUCT :** 2.4GHz Cordless Mouse  
**BRAND NAME :** Logitech  
**MODEL NO. :** M-R0003  
**TESTED :** Nov. 12 to 17, 2008  
**TEST SAMPLE :** ENGINEERING SAMPLE  
**APPLICANT :** LOGITECH FAR EAST LTD.  
**STANDARDS :** 47 CFR Part 15, Subpart C (Section 15.249),  
ANSI C63.4-2003

The above equipment (Model: M-R0003) 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 :** Carol Liao , **DATE:** Nov. 19, 2008  
( Carol Liao, Specialist )

**TECHNICAL ACCEPTANCE :** Hank Chung , **DATE:** Nov. 19, 2008  
Responsible for RF ( Hank Chung, Deputy Manager )

**APPROVED BY :** May Chen , **DATE:** Nov. 19, 2008  
( May Chen, Deputy Manager )

## 2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

<b>APPLIED STANDARD: 47 CFR Part 15, Subpart C</b>			
<b>Standard Paragraph</b>	<b>Test Type</b>	<b>Result</b>	<b>Remark</b>
15.207	Conducted Emission Test	NA	Power supply is DC 1.5V from battery
15.249	Radiated Emission Test	PASS	Minimum passing margin is -10.15dB at 960.00MHz
15.249	Band Edge Measurement	PASS	Meet the requirement of limit

### 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:

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

<b>Measurement</b>	<b>Value</b>
Radiated emissions (30MHz-1GHz)	3.94 dB
Radiated emissions (1GHz -18GHz)	2.49 dB
Radiated emissions (18GHz -40GHz)	2.70 dB

### 3 GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

<b>PRODUCT</b>	2.4GHz Cordless Mouse
<b>MODEL NO.</b>	M-R0003
<b>FCC ID</b>	JNZMR0003
<b>POWER SUPPLY</b>	DC 1.5V from battery
<b>MODULATION TYPE</b>	GFSK
<b>CARRIER FREQUENCY OF EACH CHANNEL</b>	2405MHz ~ 2474MHz
<b>NUMBER OF CHANNEL</b>	24
<b>ANTENNA TYPE</b>	PCB printed antenna with 0.13dBi antenna gain
<b>DATA CABLE</b>	NA
<b>I/O PORTS</b>	NA
<b>ASSOCIATED DEVICES</b>	NA

**NOTE:**

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

### 3.2 DESCRIPTION OF TEST MODES

Twenty-four channels are provided in this EUT.

Channel	Freq. (MHz)						
1	2405	7	2423	13	2441	19	2459
2	2408	8	2426	14	2444	20	2462
3	2411	9	2429	15	2447	21	2465
4	2414	10	2432	16	2450	22	2468
5	2417	11	2435	17	2453	23	2471
6	2420	12	2438	18	2456	24	2474

**NOTE:**

1. Below 1 GHz, the channel 1, 15, and 24 were pre-tested in chamber. The channel 15, worst case one, was chosen for final test.
2. Above 1 GHz, the channel 1, 15, and 24 were tested individually.

### 3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a 2.4GHz Cordless Mouse. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

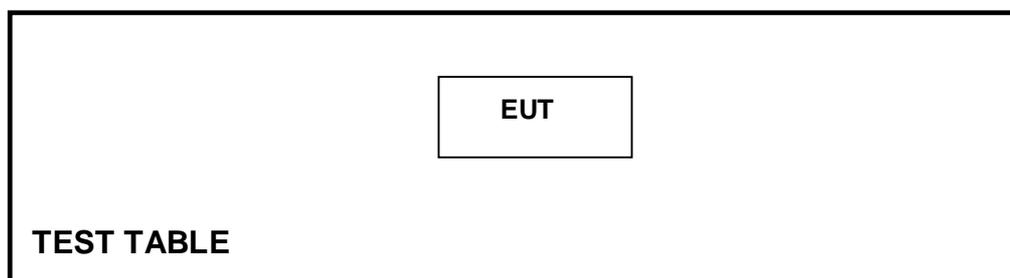
**47 CFR Part 15, Subpart C (Section 15.249)**  
**ANSI C63.4: 2003**

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

### 3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit.

### 3.5 CONFIGURATION OF SYSTEM UNDER TEST



## 4 TEST PROCEDURES AND RESULTS

### 4.1 CONDUCTED EMISSION MEASUREMENT

NA

### 4.2 RADIATED EMISSION MEASUREMENT

#### 4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

According to 15.249 the field strength of emissions from intentional radiators operated under these frequencies bands shall not exceed the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental (dBuV/m)	
	Peak	Average
2400 ~ 2483.5	114	94
	Field Strength of Harmonics (dBuV/m)	
	74	54

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

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

<b>Frequencies (MHz)</b>	<b>Field strength (microvolts/meter)</b>	<b>Measurement distance (meters)</b>
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

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 DATE	CALIBRATED UNTIL
ADVANTEST Spectrum Analyzer	R3271A	85060311	July 16, 2008	July 15, 2009
HP Pre_Amplifier	8449B	3008A0192 2	Sep. 25, 2008	Sep. 24, 2009
ROHDE & SCHWARZ Test Receiver	ESCS30	100375	April 01, 2008	Mar. 31, 2009
SCHWARZBECK TRILOG Broadband Antenna	VULB 9168	138	April 30, 2008	April 29, 2009
Schwarzbeck Horn_Antenna	BBHA9120	D124	Dec. 17, 2007	Dec. 16, 2008
Schwarzbeck Horn_Antenna	BBHA 9170	BBHA91701 53	Jan. 28, 2008	Jan. 27, 2009
RF Switches	EMH-011	08009	Oct. 07, 2008	Oct. 06, 2009
RF CABLE (Chaintek)	SF102	22054-2	Dec. 07, 2007	Dec. 06, 2008
RF Cable	8DFB	STCCAB-30 M-1GHz	Oct. 07, 2008	Oct. 06, 2009
Software	ADT_Radiated _V7.6.15.8	NA	NA	NA
CT Antenna Tower & Turn Table	NA	NA	NA	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 horn antenna, HP preamplifier (model: 8449B) and Spectrum Analyzer (model: R3271A) are used only for the measurement of emission frequency above 1GHz if tested.  
 3. The test was performed in ADT Open Site No. C.  
 4. The FCC Site Registration No. is 656396.  
 5. The VCCI Site Registration No. is R-1626.  
 6. The CANADA Site Registration No. is IC 3789C-3.

### 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 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 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 peak, quasi-peak or average method as specified and then reported in a data sheet.

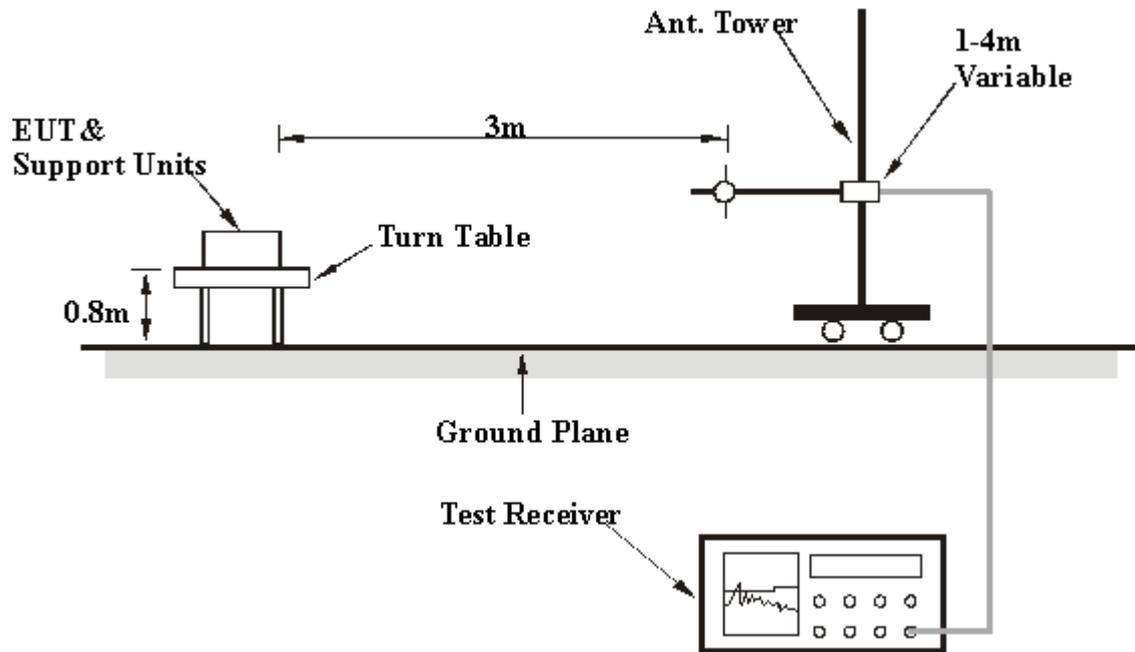
**NOTE:**

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 is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz 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. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) 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 / receiver condition continuously at specific channel frequency.

#### 4.2.7 TEST RESULTS

<b>MODE</b>	Channel 1	<b>INPUT POWER</b>	DC 1.5V from battery
<b>FREQUENCY RANGE</b>	30-1000 MHz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Quasi-Peak, 120kHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 65%RH, 965 hPa	<b>TESTED BY</b>	Rex Huang

#### 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	200.00	20.74 QP	43.50	-22.76	1.40 H	153	7.76	12.98
2	240.00	29.75 QP	46.00	-16.25	1.29 H	230	14.82	14.93
3	400.00	27.18 QP	46.00	-18.82	1.06 H	329	6.04	21.14
4	480.00	27.98 QP	46.00	-18.02	1.00 H	328	5.63	22.35
5	640.00	30.34 QP	46.00	-15.66	1.14 H	228	4.66	25.68
6	800.00	33.42 QP	46.00	-12.58	1.00 H	123	3.48	29.94
7	960.00	35.63 QP	46.00	-10.37	1.18 H	37	3.66	31.97

#### 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	200.00	24.54 QP	43.50	-18.96	1.00 V	306	11.56	12.98
2	240.00	24.98 QP	46.00	-21.02	1.00 V	345	10.05	14.93
3	400.00	31.61 QP	46.00	-14.39	1.00 V	105	10.47	21.14
4	480.00	31.02 QP	46.00	-14.98	1.00 V	158	8.67	22.35
5	640.00	30.26 QP	46.00	-15.74	1.41 V	325	4.58	25.68
6	800.00	33.36 QP	46.00	-12.64	1.14 V	312	3.42	29.94
7	<b>960.00</b>	<b>35.85 QP</b>	<b>46.00</b>	<b>-10.15</b>	<b>1.02 V</b>	<b>191</b>	<b>3.88</b>	<b>31.97</b>

- 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.

<b>MODE</b>	Channel 1	<b>INPUT POWER</b>	DC 1.5V from battery
<b>FREQUENCY RANGE</b>	1000~25000MHz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 65%RH, 965 hPa	<b>TESTED BY</b>	Frank Liu

#### 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	60.35 PK	74.00	-13.65	1.29 H	10	30.29	30.06
2	2390.00	43.44 AV	54.00	-10.56	1.29 H	10	13.38	30.06
3	*2405.00	96.85 PK	114.00	-17.15	1.29 H	10	66.73	30.12
4	*2405.00	60.35 AV	94.00	-33.65	1.29 H	10	30.23	30.12
5	4810.00	48.80 PK	74.00	-25.20	1.73 H	210	13.36	35.44
6	4810.00	12.30 AV	54.00	-41.70	1.73 H	210	-23.14	35.44
7	7215.00	57.89 PK	74.00	-16.11	1.58 H	12	16.09	41.80
8	7215.00	21.39 AV	54.00	-32.61	1.58 H	12	-20.41	41.80

#### 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	54.20 PK	74.00	-19.80	1.32 V	146	24.14	30.06
2	2390.00	43.45 AV	54.00	-10.55	1.32 V	146	13.39	30.06
3	*2405.00	92.68 PK	114.00	-21.32	1.32 V	146	62.56	30.12
4	*2405.00	56.18 AV	94.00	-37.82	1.32 V	146	26.06	30.12
5	4810.00	49.00 PK	74.00	-25.00	1.03 V	20	13.56	35.44
6	4810.00	12.50 AV	54.00	-41.50	1.03 V	20	-22.94	35.44
7	7215.00	57.50 PK	74.00	-16.50	1.59 V	132	15.70	41.80
8	7215.00	21.00 AV	54.00	-33.00	1.59 V	132	-20.80	41.80

**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. Duty cycle = 36.5%

7. Average value = peak reading + 20log(duty cycle).

<b>MODE</b>	Channel 15	<b>INPUT POWER</b>	DC 1.5V from battery
<b>FREQUENCY RANGE</b>	1000~25000MHz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 65%RH, 965 hPa	<b>TESTED BY</b>	Frank Liu

#### 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	*2447.00	95.92 PK	114.00	-18.08	1.30 H	20	65.64	30.28
2	*2447.00	59.42 AV	94.00	-34.58	1.30 H	20	29.14	30.28
3	4894.00	50.50 PK	74.00	-23.50	1.67 H	212	14.92	35.58
4	4894.00	14.00 AV	54.00	-40.00	1.67 H	212	-21.58	35.58
5	7340.00	56.56 PK	74.00	-17.44	1.56 H	7	14.44	42.12
6	7340.00	20.06 AV	54.00	-33.94	1.56 H	7	-22.06	42.12

#### 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	*2447.00	94.36 PK	114.00	-19.64	1.35 V	168	64.08	30.28
2	*2447.00	20.06 AV	94.00	-73.94	1.35 V	168	-10.22	30.28
3	4894.00	51.30 PK	74.00	-22.70	1.31 V	182	15.72	35.58
4	4894.00	14.80 AV	54.00	-39.20	1.31 V	182	-20.78	35.58
5	7340.00	58.46 PK	74.00	-15.54	1.48 V	335	16.34	42.12
6	7340.00	21.96 AV	54.00	-32.04	1.48 V	335	-20.16	42.12

- 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. Duty cycle = 36.5%
  7. Average value = peak reading + 20log(duty cycle).

<b>MODE</b>	Channel 24	<b>INPUT POWER</b>	DC 1.5V from battery
<b>FREQUENCY RANGE</b>	1000~25000MHz	<b>DETECTOR FUNCTION &amp; BANDWIDTH</b>	Peak (PK) Average (AV) 1 MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25 deg. C, 65%RH, 965 hPa	<b>TESTED BY</b>	Frank Liu

#### 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	*2474.00	95.82 PK	114.00	-18.18	1.30 H	12	65.43	30.39
2	*2474.00	59.32 AV	94.00	-34.68	1.30 H	12	28.93	30.39
3	2483.50	59.13 PK	74.00	-14.87	1.30 H	0	28.70	30.43
4	2483.50	43.43 AV	54.00	-10.57	1.30 H	0	13.00	30.43
5	4948.00	50.72 PK	74.00	-23.28	1.62 H	217	15.05	35.67
6	4948.00	14.22 AV	54.00	-39.78	1.62 H	217	-21.45	35.67
7	7215.00	58.00 PK	74.00	-16.00	1.32 H	279	16.20	41.80
8	7215.00	21.50 AV	54.00	-32.50	1.32 H	279	-20.30	41.80

#### 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	*2474.00	92.67 PK	114.00	-21.33	1.01 V	168	62.28	30.39
2	*2474.00	56.17 AV	94.00	-37.83	1.01 V	168	25.78	30.39
3	2483.50	59.65 PK	74.00	-14.35	1.01 V	168	29.22	30.43
4	2483.50	43.45 AV	54.00	-10.55	1.01 V	168	13.02	30.43
5	4948.00	51.46 PK	74.00	-22.54	1.02 V	22	15.79	35.67
6	4948.00	14.96 AV	54.00	-39.04	1.02 V	22	-20.71	35.67
7	7215.00	59.28 PK	74.00	-14.72	1.40 V	24	17.48	41.80
8	7215.00	22.78 AV	54.00	-31.22	1.40 V	24	-19.02	41.80

- 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. Duty cycle = 36.5%
  7. Average value = peak reading + 20log(duty cycle).

### 4.3 BAND EDGES MEASUREMENT

#### 4.3.1 LIMITS OF BAND EDGES MEASUREMENT

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

#### 4.3.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
R&S SPECTRUM ANALYZER	FSP40	100037	Aug. 09, 2008	Aug. 08, 2009
R&S SPECTRUM ANALYZER	FSP40	100036	Dec. 18, 2007	Dec. 17, 2008

**NOTE:**

- 1.The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- 2.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 lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 300 MHz bandwidth from band edge. The band edges was measured and recorded.

#### 4.3.4 DEVIATION FROM TEST STANDARD

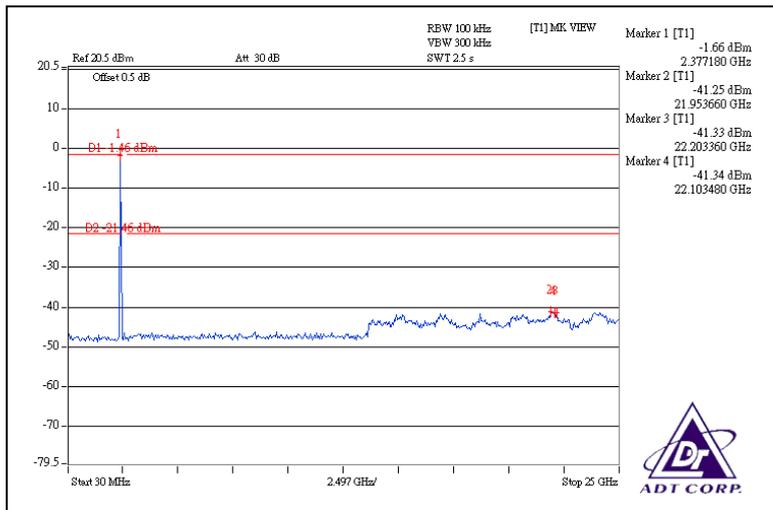
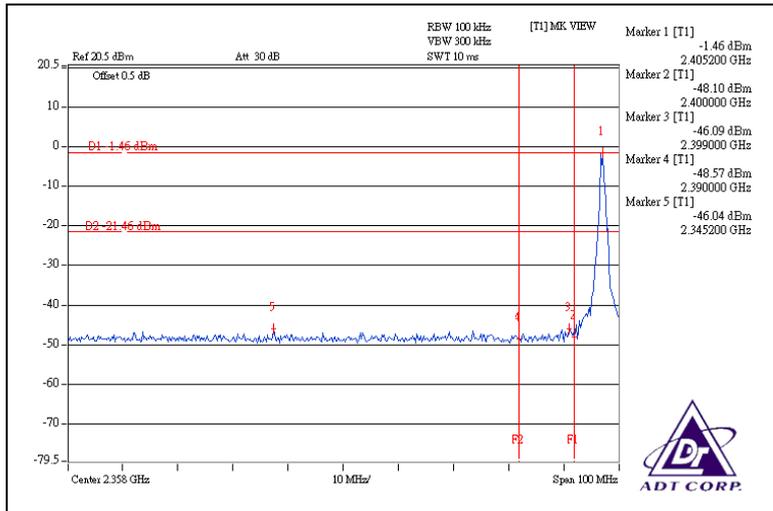
No deviation

#### 4.3.5 EUT OPERATING CONDITION

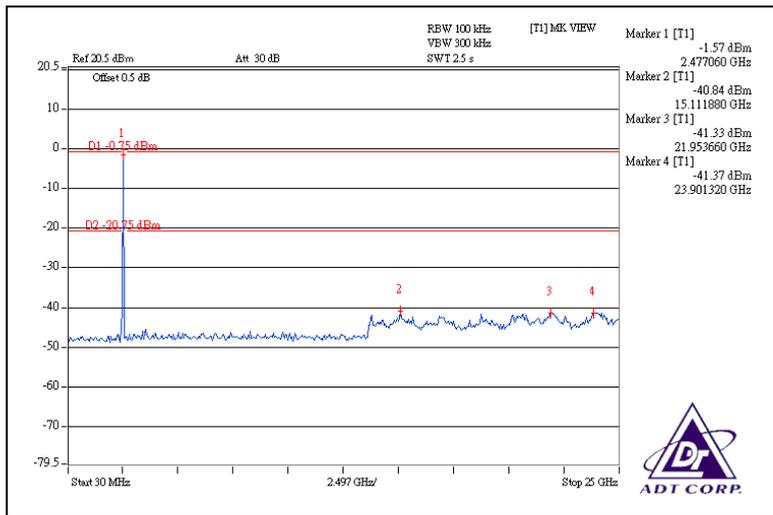
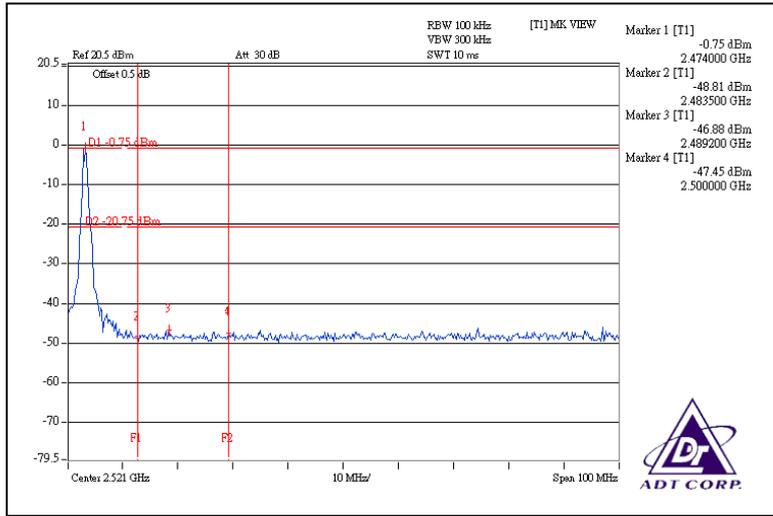
The software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel frequencies individually.

### 4.3.6 TEST RESULTS

Emissions radiated outside of the specified frequency bands, please refer pages form 13 to 16 for met the requirement of the general radiated emission limits in § 15.209. CH1



# CH24





## 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:

<b>USA</b>	FCC, UL
<b>Germany</b>	TUV Rheinland
<b>Japan</b>	VCCI
<b>Norway</b>	NEMKO
<b>Canada</b>	INDUSTRY CANADA, CSA
<b>R.O.C.</b>	TAF, BSMI, NCC
<b>Netherlands</b>	Telefication
<b>Singapore</b>	GOST-ASIA (MOU)
<b>Russia</b>	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](http://www.adt.com.tw/index.5/phtml).

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

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**Email:** [service@adt.com.tw](mailto:service@adt.com.tw)

**Web Site:** [www.adt.com.tw](http://www.adt.com.tw)

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

## **6 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.

**--- END ---**