



FCC TEST REPORT

REPORT NO.: RF970425A02

MODEL NO.: KG-0766

RECEIVED: April 25, 2008

TESTED: April 28, 2008

ISSUED: May 6, 2008

APPLICANT: Chicony Electronics Co., Ltd.

ADDRESS: No. 25, Wu-Gong 6th Rd., Wu Ku Industrial Park,
Taipei Hsien, Taiwan, R.O.C.

ISSUED BY: Advance Data Technology Corporation

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

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1. CERTIFICATION

PRODUCT: Wireless Keyboard
BRAND NAME: acer
MODEL NO.: KG-0766
APPLICANT: Chicony Electronics Co., Ltd.
TESTED: April 28, 2008
TEST SAMPLE: ENGINEERING SAMPLE
STANDARDS: FCC Part 15, Subpart C (Section 15.249)
ANSI C63.4-2003

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 : Celia Chen , **DATE:** May 6, 2008
(Celia Chen / Specialist)

TECHNICAL ACCEPTANCE : Jamison Chan , **DATE:** May 6, 2008
Responsible for RF (Jamison Chan / Supervisor)

APPROVED BY : Ken Liu , **DATE:** May 6, 2008
(Ken Liu / Deputy Manager)

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 SECTION | TEST TYPE AND LIMIT | RESULT | REMARK |
| 15.207 | Conducted Emission Test | N/A | 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 | Minimum passing margin is -3.46dB at 2483.500MHz |

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

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

| Measurement | Frequency | Uncertainty |
|--------------------|------------------|--------------------|
| Radiated emissions | 30MHz ~ 1GHz | 3.75 dB |
| | 1GHz ~ 40GHz | 2.89 dB |

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| | |
|---------------------------|----------------------------------|
| EUT | Wireless Keyboard |
| MODEL NO. | KG-0766 |
| FCC ID | E8HKG-0766 |
| POWER SUPPLY | 3Vdc from batteries |
| MODULATION TYPE | GFSK |
| FREQUENCY RANGE | 2402MHz ~ 2479MHz |
| NUMBER OF CHANNEL | 78 |
| ANTENNA TYPE | Strip antenna with -3.98dBi gain |
| DATA CABLE | N/A |
| I/O PORTS | N/A |
| ASSOCIATED DEVICES | N/A |

NOTE:

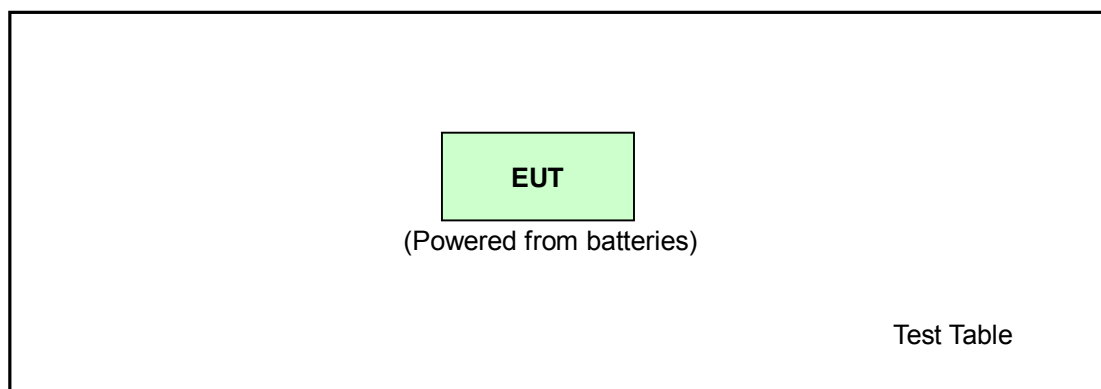
1. The EUT is a wireless keyboard, which is a transceiver.
2. The above EUT information was declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

78 channels are provided to this EUT:

| CHANNEL | FREQ. (MHZ) | CHANNEL | FREQ. (MHz) | CHANNEL | FREQ. (MHz) | CHANNEL | FREQ. (MHz) |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| 0 | 2402 | 20 | 2422 | 40 | 2442 | 60 | 2462 |
| 1 | 2403 | 21 | 2423 | 41 | 2443 | 61 | 2463 |
| 2 | 2404 | 22 | 2424 | 42 | 2444 | 62 | 2464 |
| 3 | 2405 | 23 | 2425 | 43 | 2445 | 63 | 2465 |
| 4 | 2406 | 24 | 2426 | 44 | 2446 | 64 | 2466 |
| 5 | 2407 | 25 | 2427 | 45 | 2447 | 65 | 2467 |
| 6 | 2408 | 26 | 2428 | 46 | 2448 | 66 | 2468 |
| 7 | 2409 | 27 | 2429 | 47 | 2449 | 67 | 2469 |
| 8 | 2410 | 28 | 2430 | 48 | 2450 | 68 | 2470 |
| 9 | 2411 | 29 | 2431 | 49 | 2451 | 69 | 2471 |
| 10 | 2412 | 30 | 2432 | 50 | 2452 | 70 | 2472 |
| 11 | 2413 | 31 | 2433 | 51 | 2453 | 71 | 2473 |
| 12 | 2414 | 32 | 2434 | 52 | 2454 | 72 | 2474 |
| 13 | 2415 | 33 | 2435 | 53 | 2455 | 73 | 2475 |
| 14 | 2416 | 34 | 2436 | 54 | 2456 | 74 | 2476 |
| 15 | 2417 | 35 | 2437 | 55 | 2457 | 75 | 2477 |
| 16 | 2418 | 36 | 2438 | 56 | 2458 | 76 | 2478 |
| 17 | 2419 | 37 | 2439 | 57 | 2459 | 77 | 2479 |
| 18 | 2420 | 38 | 2440 | 58 | 2460 | | |
| 19 | 2421 | 39 | 2441 | 59 | 2461 | | |

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST



3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL:

| EUT configure mode | Applicable to | | | | Description |
|--------------------|---------------|-------|-------|------|-------------|
| | PLC | RE<1G | RE≥1G | APCM | |
| - | Note | √ | √ | √ | - |

Where PLC: Power Line Conducted Emission

RE<1G RE: Radiated Emission below 1GHz

RE≥1G: Radiated Emission above 1GHz

APCM: Antenna Port Conducted Measurement

Note: No need to concern of Conducted Emission due to the EUT is powered by battery.

RADIATED EMISSION TEST (BELOW 1 GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations 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 TYPE |
|-------------------|----------------|-----------------|
| 0 to 77 | 77 | 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 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 TYPE |
|-------------------|----------------|-----------------|
| 0 to 77 | 0, 38, 77 | GFSK |

BANDEDGE MEASUREMENT:

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations 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 TYPE |
|-------------------|----------------|-----------------|
| 0 to 77 | 0, 77 | 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. (15.249)

ANSI C63.4-2003

All test items 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.

4. TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

N/A

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 15.209 as following:

| 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 |
|-----------------------------------|--------------------------|------------------|------------------|
| HP Preamplifier | 8447D | 2432A03504 | May 09, 2008 |
| HP Preamplifier | 8449B | 3008A01201 | Oct. 01, 2008 |
| HP Preamplifier | 8449B | 3008A01292 | Aug. 05, 2008 |
| ROHDE & SCHWARZ TEST RECEIVER | ESI7 | 836697/012 | Dec. 05, 2008 |
| Schwarzbeck Antenna | VULB 9168 | 137 | Sep. 13, 2008 |
| Schwarzbeck Antenna | VHBA 9123 | 480 | Apr. 22, 2009 |
| EMCO Horn Antenna | 3115 | 6714 | Oct. 18, 2008 |
| EMCO Horn Antenna | 3115 | 9312-4192 | Apr. 20, 2009 |
| ADT. Turn Table | TT100 | 0306 | NA |
| ADT. Tower | AT100 | 0306 | NA |
| Software | ADT_Radiated_V 7.6.15 | NA | NA |
| SUHNER RF cable | SF104-26.5 | CABLE-CH6-17m-01 | Nov. 04, 2008 |
| ROHDE & SCHWARZ Spectrum Analyzer | FSP 40 | 100035 | Mar. 25, 2009 |

- 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 and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
 3. The test was performed in ADT Chamber No. 6.
 4. The Industry Canada Reference No. IC 3789-6.

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 meter semi- anechoic. 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 lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak method or average method as specified and then reported in data sheet.

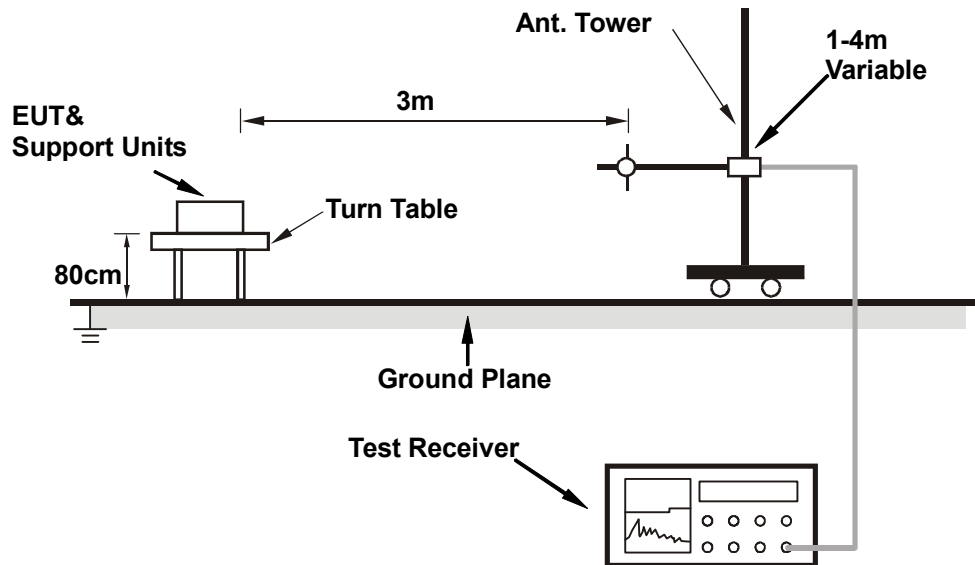
NOTE:

1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection 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 condition continuously at specific channel frequency.

4.2.7 TEST RESULTS

RADIATED WORST CASE DATA: BELOW 1GHz

| | | | |
|---------------------------------|----------------------------|--------------------------|---------------|
| MODULATION TYPE | GFSK | CHANNEL | 77 |
| INPUT POWER | 3Vdc | FREQUENCY RANGE | Below 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 78%RH, 1001Pa | DETECTOR FUNCTION | Quasi-Peak |
| TESTED BY | Chad Lee | | |

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 | 39.719 | 24.29 QP | 40.00 | -15.71 | 1.63 H | 151 | 9.62 | 14.67 |
| 2 | 776.453 | 27.32 QP | 46.00 | -18.68 | 1.11 H | 211 | -0.42 | 27.74 |
| 3 | 834.770 | 27.60 QP | 46.00 | -18.40 | 1.50 H | 163 | -1.03 | 28.63 |
| 4 | 846.433 | 27.53 QP | 46.00 | -18.47 | 1.32 H | 148 | -1.23 | 28.76 |
| 5 | 902.806 | 27.74 QP | 46.00 | -18.26 | 1.82 H | 355 | -1.49 | 29.23 |
| 6 | 935.852 | 28.47 QP | 46.00 | -17.53 | 1.00 H | 109 | -1.00 | 29.47 |

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 | 105.812 | 29.85 QP | 43.50 | -13.65 | 1.21 V | 22 | 17.70 | 12.15 |
| 2 | 832.826 | 27.19 QP | 46.00 | -18.81 | 1.63 V | 319 | -1.42 | 28.61 |
| 3 | 854.208 | 28.71 QP | 46.00 | -17.29 | 1.88 V | 331 | -0.13 | 28.84 |
| 4 | 881.423 | 27.71 QP | 46.00 | -18.29 | 1.00 V | 28 | -1.35 | 29.06 |
| 5 | 935.852 | 28.23 QP | 46.00 | -17.77 | 1.66 V | 313 | -1.24 | 29.47 |
| 6 | 959.178 | 29.26 QP | 46.00 | -16.74 | 1.59 V | 178 | -0.49 | 29.75 |

- 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)
 - 3The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.

RADIATED WORST CASE DATA: ABOVE 1GHz

| | | | |
|---------------------------------|----------------------------|--------------------------|--------------------------|
| MODULATION TYPE | GFSK | CHANNEL | 0 |
| INPUT POWER | 3Vdc | FREQUENCY RANGE | 1 ~ 25GHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 78%RH, 1001Pa | DETECTOR FUNCTION | Peak(PK) Average (AV) |
| TESTED BY | Chad Lee | | |

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 | 2390.000 | 60.37 PK | 74.00 | -13.63 | 1.00 H | 42 | 25.71 | 34.66 |
| 2 | 2390.000 | 45.86 AV | 54.00 | -8.14 | 1.00 H | 42 | 11.20 | 34.66 |
| 3 | *2402.000 | 91.44 PK | 114.00 | -22.56 | 1.00 H | 42 | 56.75 | 34.69 |
| 4 | *2402.000 | 77.83 AV | 94.00 | -16.17 | 1.00 H | 42 | 43.14 | 34.69 |
| 5 | 4804.000 | 52.59 PK | 74.00 | -21.41 | 1.00 H | 134 | 10.74 | 41.85 |
| 6 | 4804.000 | 40.70 AV | 54.00 | -13.30 | 1.00 H | 134 | -1.15 | 41.85 |

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 | 2390.000 | 57.08 PK | 74.00 | -16.92 | 1.07 V | 40 | 22.42 | 34.66 |
| 2 | 2390.000 | 45.72 AV | 54.00 | -8.28 | 1.07 V | 40 | 11.06 | 34.66 |
| 3 | *2402.000 | 84.64 PK | 114.00 | -29.36 | 1.07 V | 40 | 49.95 | 34.69 |
| 4 | *2402.000 | 72.68 AV | 94.00 | -21.32 | 1.07 V | 40 | 37.99 | 34.69 |
| 5 | 4804.000 | 49.12 PK | 74.00 | -24.88 | 1.00 V | 181 | 7.27 | 41.85 |
| 6 | 4804.000 | 39.16 AV | 54.00 | -14.84 | 1.00 V | 181 | -2.69 | 41.85 |

- 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.
 5. " * " : Fundamental frequency



| | | | |
|---------------------------------|----------------------------|--------------------------|--------------------------|
| MODULATION TYPE | GFSK | CHANNEL | 38 |
| INPUT POWER | 3Vdc | FREQUENCY RANGE | 1 ~ 25GHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 78%RH, 1001Pa | DETECTOR FUNCTION | Peak(PK) Average (AV) |
| TESTED BY | Chad Lee | | |

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 | *2440.000 | 92.28 PK | 114.00 | -21.72 | 1.19 H | 36 | 57.51 | 34.77 |
| 2 | *2440.000 | 78.31 AV | 94.00 | -15.69 | 1.19 H | 36 | 43.54 | 34.77 |
| 3 | 4880.000 | 52.18 PK | 74.00 | -21.82 | 1.00 H | 136 | 10.14 | 42.05 |
| 4 | 4880.000 | 40.75 AV | 54.00 | -13.25 | 1.00 H | 136 | -1.29 | 42.05 |

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 | *2440.000 | 84.90 PK | 114.00 | -29.10 | 1.00 V | 142 | 50.13 | 34.77 |
| 2 | *2440.000 | 73.91 AV | 94.00 | -20.09 | 1.00 V | 142 | 39.14 | 34.77 |
| 3 | 4880.000 | 53.22 PK | 74.00 | -20.78 | 1.46 V | 86 | 11.18 | 42.05 |
| 4 | 4880.000 | 42.18 AV | 54.00 | -11.82 | 1.46 V | 86 | 0.14 | 42.05 |

- 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

| | | | |
|---------------------------------|----------------------------|--------------------------|--------------------------|
| MODULATION TYPE | GFSK | CHANNEL | 77 |
| INPUT POWER | 3Vdc | FREQUENCY RANGE | 1 ~ 25GHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 78%RH, 1001Pa | DETECTOR FUNCTION | Peak(PK) Average (AV) |
| TESTED BY | Chad Lee | | |

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 | *2479.000 | 95.09 PK | 114.00 | -18.91 | 1.06 H | 314 | 60.24 | 34.85 |
| 2 | *2479.000 | 80.49 AV | 94.00 | -13.51 | 1.06 H | 314 | 45.64 | 34.85 |
| 3 | 2483.500 | 70.54 PK | 74.00 | -3.46 | 1.06 H | 314 | 35.68 | 34.86 |
| 4 | 2483.500 | 47.10 AV | 54.00 | -6.90 | 1.06 H | 314 | 12.24 | 34.86 |
| 5 | 4958.000 | 51.59 PK | 74.00 | -22.41 | 1.15 H | 120 | 9.34 | 42.25 |
| 6 | 4958.000 | 38.83 AV | 54.00 | -15.17 | 1.15 H | 120 | -3.42 | 42.25 |

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 | *2479.000 | 89.52 PK | 114.00 | -24.48 | 1.10 V | 89 | 54.67 | 34.85 |
| 2 | *2479.000 | 76.31 AV | 94.00 | -17.69 | 1.10 V | 89 | 41.46 | 34.85 |
| 3 | 2483.500 | 65.59 PK | 74.00 | -8.41 | 1.10 V | 89 | 30.73 | 34.86 |
| 4 | 2483.500 | 46.07 AV | 54.00 | -7.93 | 1.10 V | 89 | 11.21 | 34.86 |
| 5 | 4958.000 | 52.80 PK | 74.00 | -21.20 | 1.00 V | 85 | 10.55 | 42.25 |
| 6 | 4958.000 | 41.59 AV | 54.00 | -12.41 | 1.00 V | 85 | -0.66 | 42.25 |

- 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



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 | FSP 40 | 100036 | Mar. 12, 2009 |

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 lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz and 300 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

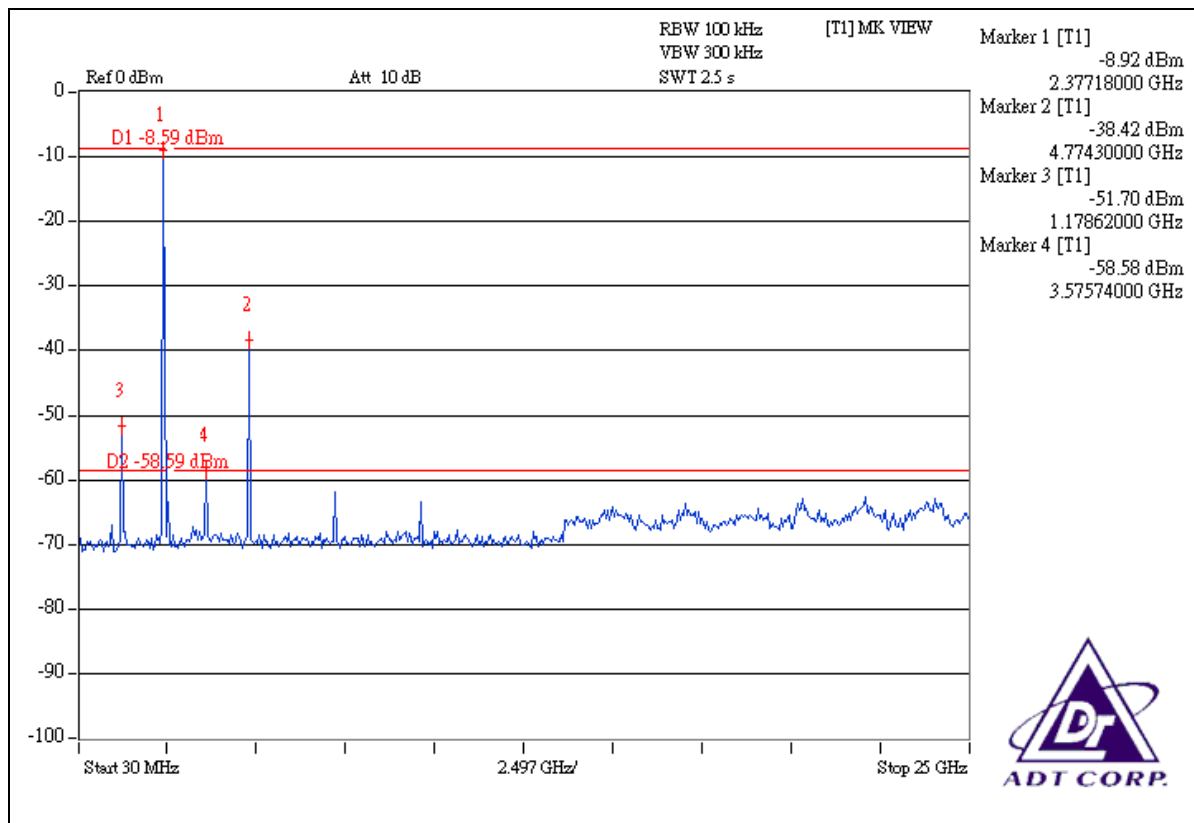
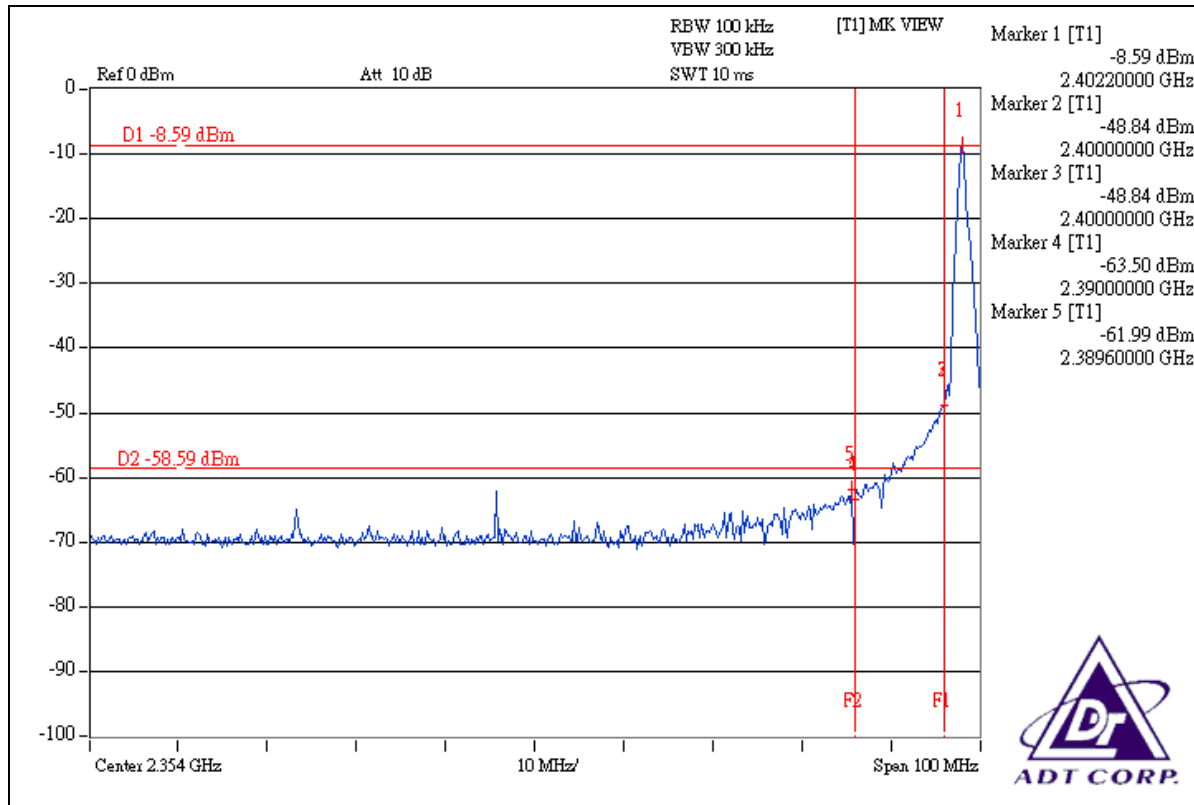
No deviation

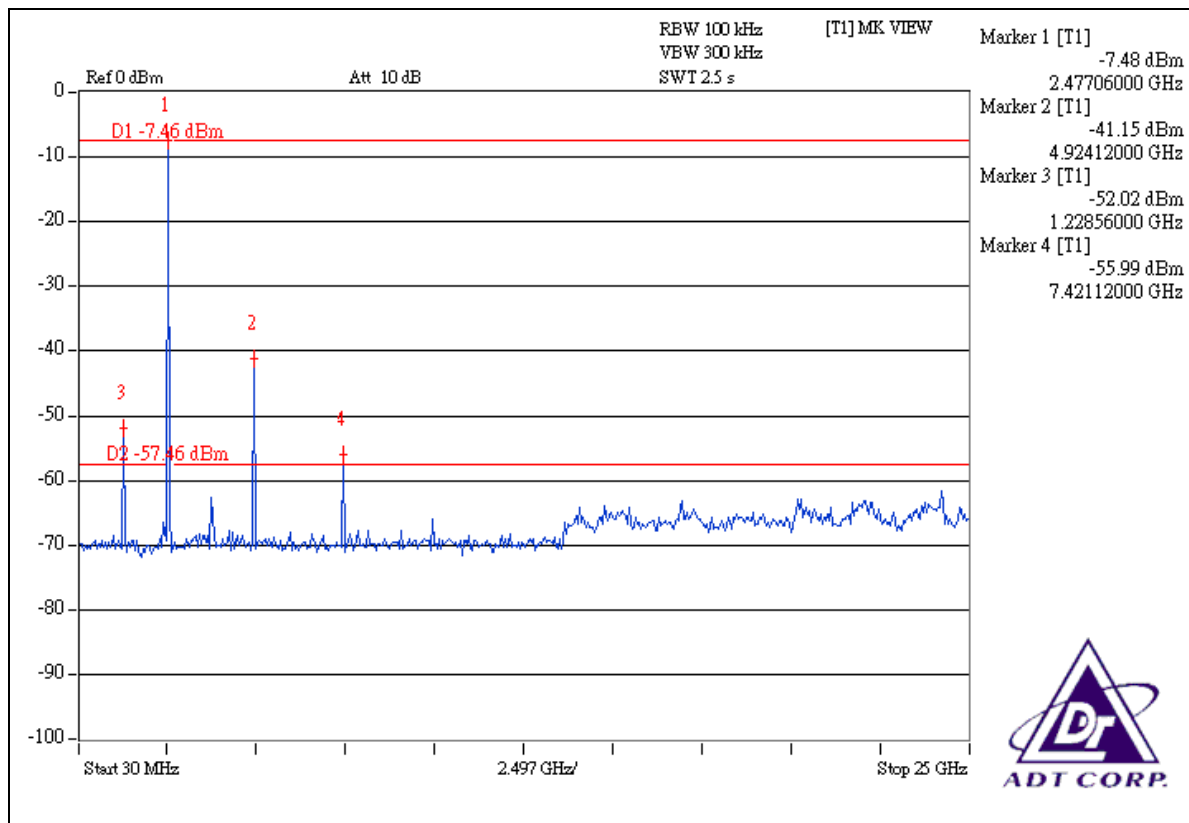
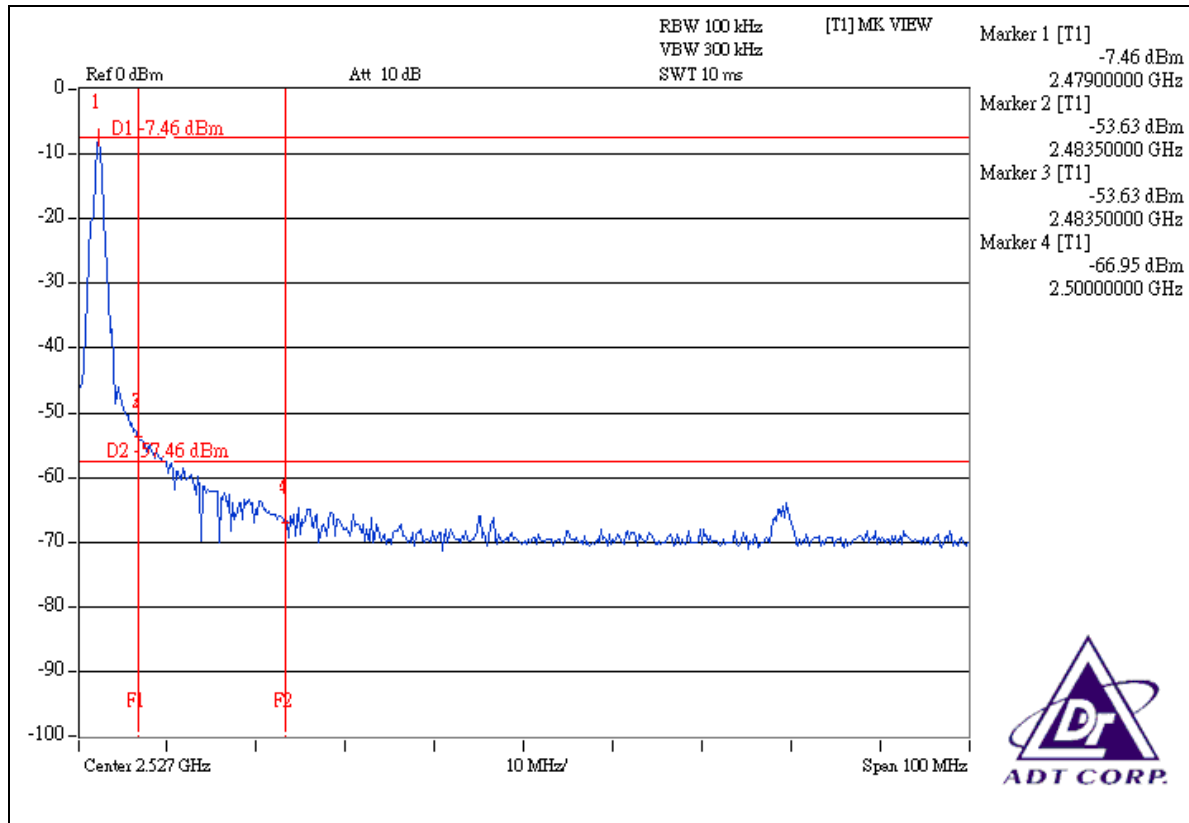
4.3.5 EUT OPERATING CONDITION

Same as Item 4.2.6

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. PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



6. 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. | TAF, BSMI, NCC |
| Netherlands | Telefication |
| Singapore | 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



7. 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.