

FCC TEST REPORT

REPORT NO.: RF941208L13B

MODEL NO.: WLF3020

RECEIVED: Jan. 17, 2006

TESTED: Jan. 17 ~ Mar. 14, 2006

ISSUED: Mar. 15, 2006

APPLICANT: ASKEY COMPUTER CORP.

ADDRESS: 10F, NO. 119, CHIENKANG RD., CHUNG-HO, TAIPEI TAIWAN R.O.C.

ISSUED BY: Advance Data Technology Corporation

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

TEST LOCATION: No. 19, Hwa Ya 2nd Rd., Kueishan, Taoyuan, Taiwan, R.O.C.

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1 CERTIFICATION

PRODUCT : Wireless CF Card
MODEL NO.: WLF3020
BRAND: Askey
APPLICANT : ASKEY COMPUTER CORP.
TESTED: Jan. 17 ~ Mar. 14, 2006
TEST SAMPLE: ENGINEERING SAMPLE
STANDARDS : FCC Part 15, Subpart C (Section 15.247),
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 : Rebecca Huang , **DATE:** Mar. 15, 2006
Rebecca Huang

TECHNICAL
ACCEPTANCE : Long Chen , **DATE:** Mar. 15, 2006
Responsible for RF Long Chen

APPROVED BY : Gary Chang , **DATE:** Mar. 15, 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			
Standard Section	Test Type and Limit	Result	REMARK
15.247(d)	Transmitter Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit. Minimum passing margin is -1.87dB at 4874.00MHz.

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	3.55 dB
	200MHz ~1000MHz	3.58 dB
	1GHz ~ 18GHz	1.10 dB
	18GHz ~ 40GHz	0.91 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

PRODUCT	Wireless CF Card
MODEL NO.	WLF3020
FCC ID	H8NWLF3020
POWER SUPPLY	3.3Vdc from host equipment
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
MODULATION TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11b: 11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6Mbps
FREQUENCY RANGE	Wireless LAN: 2412MHz ~ 2462MHz Bluetooth: 2400 ~ 2483.5MHz
NUMBER OF CHANNEL	11
MAXIMUM OUTPUT POWER	20.324mW
ANTENNA TYPE	Refer to Note 2 as below
DATA CABLE	NA
I/O PORTS	NA

NOTE:

1. This is a supplementary report of RF941208L13 and is prepared for FCC Class II permissive change. Additional Radiated emission test is for EUT co-located with Bluetooth Device.
2. The following antennas were provided to this EUT.

ANT NO.	BRAND	ANTENNA P/N	ANTENNA TYPE	CONNECTOR	MAXIMUM GAIN (dBi)
1	NA	NA	Printed Antenna (Internal Antenna)	NA	0.00
2	Wanshih	3907-001100	PIFA Antenna (External Antenna)	UFL	0.00
3	ACON	ABP6P-700000	PCB Antenna (External Antenna)	I-PEX	0.47

* Antenna 3 is the worst for the final test.

3. The EUT complies with IEEE 802.11g standards and backwards compatible with IEEE 802.11b products.
4. The transmitter module is authorized for use in specific End-product (WORKABOUT PRO Hand-held Micro-computer. Please refer to below table for further details). The OEM integrator is still responsible for testing their End-product for any additional compliance requirements required with this module installed.

Model Name	Brand
7525C	WORKABOUT PRO
7525S	WORKABOUT PRO

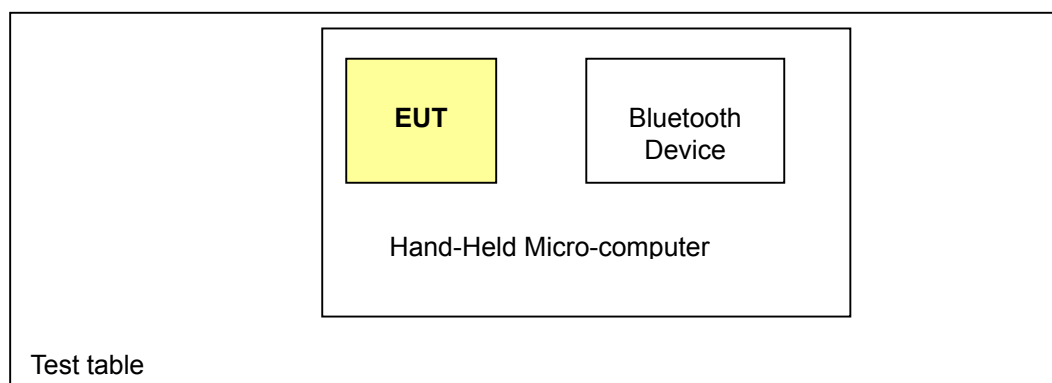
5. BT Device FCC ID: GM37525BTB
6. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 54Mbps.
7. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

Eleven channels are provided to the EUT.

Channel	Frequency	Channel	Frequency
1	2412 MHz	8	2447 MHz
2	2417 MHz	9	2452 MHz
3	2422 MHz	10	2457 MHz
4	2427 MHz	11	2462 MHz
5	2432 MHz		
6	2437 MHz		
7	2442 MHz		

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	
A	√	√	Mode:7525C
B	√	√	Mode: 7525S

Where RE<1G RE: Radiated Emission below 1GHz

RE≥1G: Radiated Emission above 1GHz

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, XYZ Axis of the antenna and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT configure mode	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate	Axis
A	802.11b	1 ~ 11	6	DSSS	DBPSK	1Mbps	Z
	Bluetooth	0 ~ 78	0	FHSS	GFSK	723kbps	
B	802.11b	1 ~ 11	6	DSSS	DBPSK	1Mbps	Z
	Bluetooth	0 ~ 78	0	FHSS	GFSK	723kbps	

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, XYZ Axis of the antenna and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT configure mode	Mode	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate	Axis
A	802.11b	1 ~ 11	6	DSSS	DBPSK	1Mbps	Z
	Bluetooth	0 ~ 78	0	FHSS	GFSK	723kbps	
B	802.11b	1 ~ 11	6	DSSS	DBPSK	1Mbps	Z
	Bluetooth	0 ~ 78	0	FHSS	GFSK	723kbps	

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. (15.247)
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

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	Hand-Held Micro-computer	WORKABOUT PRO	7525C	NA	NA
2	Hand-Held Micro-computer	WORKABOUT PRO	7525S	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	NA

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

3.5 RADIATED EMISSION MEASUREMENT

3.5.1 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.

3.5.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESIB7	100188	Dec. 20, 2006
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Nov. 27, 2006
BILOG Antenna SCHWARZBECK	VULB9168	9168-157	Jan. 15, 2007
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-407	Jan. 22, 2007
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170147	Jan. 26, 2007
Preamplifier Agilent	8449B	3008A01961	Oct. 23, 2006
Preamplifier Agilent	8447D	2944A10629	Oct. 27, 2006
RF signal cable HUBER+SUHNER	SUCOFLEX 104	214380/4	Jan. 16, 2007
RF signal cable HUBER+SUHNER	SUCOFLEX 104	219266/4	Jan. 16, 2007
Software ADT.	ADT_Radiated_V5.14	NA	NA
Antenna Tower ADT.	AT100	AT93021702	NA
Turn Table ADT.	TT100.	TT93021702	NA
Controller ADT.	SC100.	SC93021702	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 1.
 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 IC4924-2.

3.5.3 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 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 or average method as specified and then reported in a data sheet.

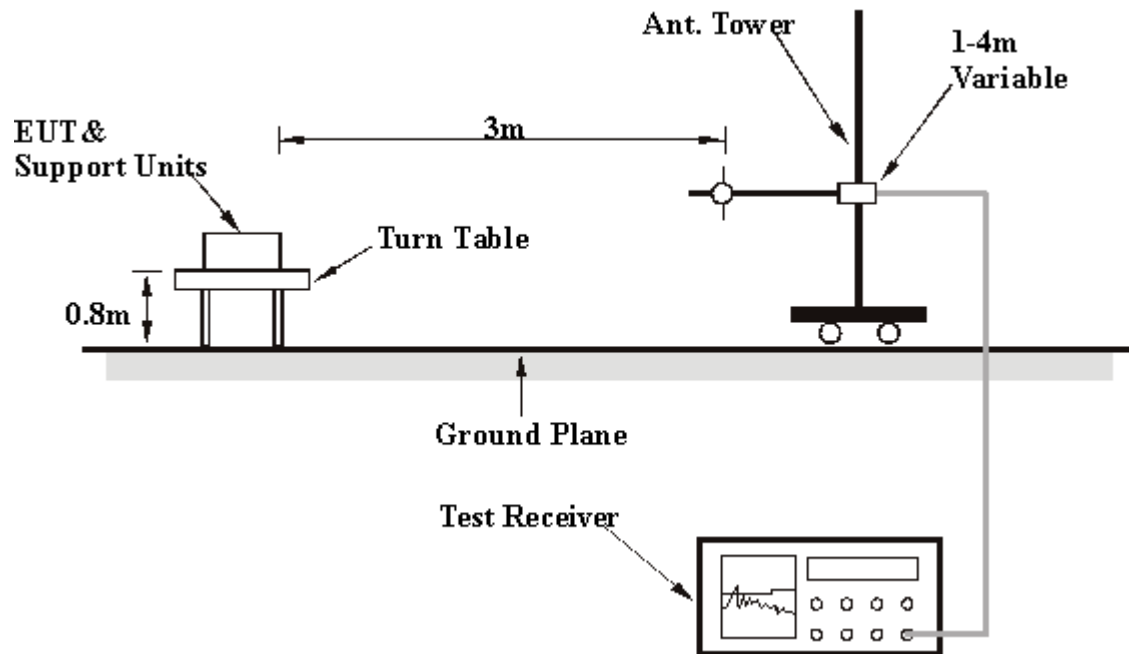
NOTE:

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 and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection at frequency above 1GHz.

3.5.4 DEVIATION FROM TEST STANDARD

No deviation

3.5.5 TEST SETUP



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

3.5.6 EUT OPERATING CONDITIONS

- a. Placed the Hand-Held Micro- Computer on a testing table.
- b. The Hand-Held Micro- Computer ran a test program (provided by manufacturer) to enable all functions under transmission condition continuously at specific channel frequency.

3.5.7 TEST RESULTS

RADIATED WORST-CASE DATA: BELOW 1GHz

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	802.11b = Channel 6 Bluetooth = Channel 0	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	802.11b = DBPSK Bluetooth = FHSS	DETECTOR FUNCTION	Quasi-Peak
TRANSFER RATE	802.11b = 1Mbps Bluetooth = 723kbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
TEST MODE	A	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TESTED BY	Jay Hsu		

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	249.66	30.18 QP	46.00	-15.82	1.25 H	268	17.10	13.08
2	288.54	29.30 QP	46.00	-16.70	1.25 H	268	15.12	14.17
3	599.56	32.06 QP	46.00	-13.94	1.25 H	289	11.18	20.88
4	624.83	29.37 QP	46.00	-16.63	1.25 H	217	8.13	21.24
5	696.75	31.38 QP	46.00	-14.62	1.25 H	262	9.18	22.20
6	881.42	31.69 QP	46.00	-14.31	1.25 H	214	6.95	24.74

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	61.10	27.58 QP	40.00	-12.42	1.25 V	106	14.23	13.35
2	63.05	28.76 QP	40.00	-11.24	1.00 V	103	15.62	13.13
3	239.94	31.64 QP	46.00	-14.36	1.00 V	88	19.27	12.37
4	267.15	31.18 QP	46.00	-14.82	1.00 V	124	17.33	13.85
5	599.56	33.98 QP	46.00	-12.02	1.25 V	76	10.85	23.13
6	696.75	30.13 QP	46.00	-15.87	1.00 V	124	5.88	24.25
7	760.90	29.29 QP	46.00	-16.71	1.00 V	76	2.92	26.37

- 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 TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	802.11b = Channel 6 Bluetooth = Channel 0	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	802.11b = DBPSK Bluetooth = FHSS	DETECTOR FUNCTION	Quasi-Peak
TRANSFER RATE	802.11b = 1Mbps Bluetooth = 723kbps	ENVIRONMENTAL CONDITIONS	25eg. C, 65%RH, 991hPa
TEST MODE	B	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TESTED BY	Jay Hsu		

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	220.50	33.40 QP	46.00	-12.60	1.00 H	124	21.61	11.79
2	247.72	35.86 QP	46.00	-10.14	1.25 H	19	23.26	12.60
3	272.99	36.08 QP	46.00	-9.92	1.25 H	10	21.57	14.50
4	300.20	35.45 QP	46.00	-10.55	1.00 H	316	19.56	15.89
5	327.41	30.13 QP	46.00	-15.87	1.25 H	10	13.81	16.32
6	681.20	29.05 QP	46.00	-16.95	1.00 H	277	5.03	24.02

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	30.00	28.24 QP	40.00	-11.76	1.00 V	346	15.67	12.57
2	63.05	28.32 QP	40.00	-11.68	1.00 V	346	15.19	13.13
3	220.50	30.31 QP	46.00	-15.69	1.00 V	196	18.53	11.79
4	257.43	36.23 QP	46.00	-9.77	1.00 V	112	23.61	12.62
5	284.65	39.14 QP	46.00	-6.86	1.00 V	247	24.04	15.10
6	294.37	40.09 QP	46.00	-5.91	1.00 V	346	24.49	15.60
7	327.41	33.32 QP	46.00	-12.68	1.00 V	346	17.00	16.32

- 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.

802.11g OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	802.11b = Channel 6 Bluetooth = Channel 0	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	802.11b = DBPSK Bluetooth = FHSS	DETECTOR FUNCTION	Peak(PK) Average (AV)
TRANSFER RATE	802.11b = 1Mbps Bluetooth = 723kbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
TEST MODE	A	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TESTED BY	Jay Hsu		

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	48.21 PK	74.00	-25.79	1.01 H	254	16.30	31.91
1	2390.00	40.52 AV	54.00	-13.48	1.01 H	254	8.61	31.91
2	*2402.00	98.54 PK			1.01 H	254	66.56	31.98
2	*2402.00	68.54 AV			1.01 H	254	36.56	31.98
3	*2437.00	98.37 PK			1.00 H	345	66.17	32.20
3	*2437.00	94.56 AV			1.00 H	345	62.36	32.20
4	4804.00	56.73 PK	74.00	-17.27	1.15 H	360	19.24	37.49
4	4804.00	26.73 AV	54.00	-27.27	1.15 H	360	-10.76	37.49
5	4874.00	54.77 PK	74.00	-19.23	1.10 H	12	17.22	37.55
5	4874.00	52.13 AV	54.00	-1.87	1.10 H	12	14.58	37.55

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	58.32 PK	74.00	-15.68	1.05 V	20	26.41	31.91
1	2390.00	48.13 AV	54.00	-5.87	1.05 V	20	16.22	31.91
2	*2402.00	101.26 PK			1.05 V	22	69.28	31.98
2	*2402.00	71.26 AV			1.05 V	22	39.28	31.98
3	*2437.00	102.33 PK			1.15 V	252	70.13	32.20
3	*2437.00	98.59 AV			1.15 V	252	66.39	32.20
4	4804.00	55.73 PK	74.00	-18.27	1.00 V	45	18.24	37.49
4	4804.00	25.73 AV	54.00	-28.27	1.00 V	45	-11.76	37.49
5	4874.00	50.94 PK	74.00	-23.06	1.16 V	250	13.39	37.55
5	4874.00	45.87 AV	54.00	-8.13	1.16 V	250	8.32	37.55

- 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. “ * ” : Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	802.11b =Channel 6 Bluetooth = Channel 0	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	802.11b = DBPSK Bluetooth = FHSS	DETECTOR FUNCTION	Peak(PK) Average (AV)
TRANSFER RATE	802.11b = 1Mbps Bluetooth = 723kbps	ENVIRONMENTAL CONDITIONS	25eg. C, 65%RH, 991hPa
TEST MODE	B	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TESTED BY	Jay Hsu		

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	48.55 PK	74.00	-25.45	1.00 H	223	16.64	31.91
1	2390.00	40.27 AV	54.00	-13.73	1.00 H	223	8.36	31.91
2	*2402.00	98.73 PK			1.00 H	223	66.75	31.98
2	*2402.00	68.73 AV			1.00 H	223	36.75	31.98
3	*2437.00	97.99 PK			1.00 H	352	65.79	32.20
3	*2437.00	93.87 AV			1.00 H	352	61.67	32.20
4	4804.00	56.85 PK	74.00	-17.15	1.11 H	1	19.36	37.49
4	4804.00	26.85 AV	54.00	-27.15	1.11 H	1	-10.64	37.49
5	4874.00	54.87 PK	74.00	-19.13	1.01 H	254	17.32	37.55
5	4874.00	51.88 AV	54.00	-2.12	1.01 H	254	14.33	37.55

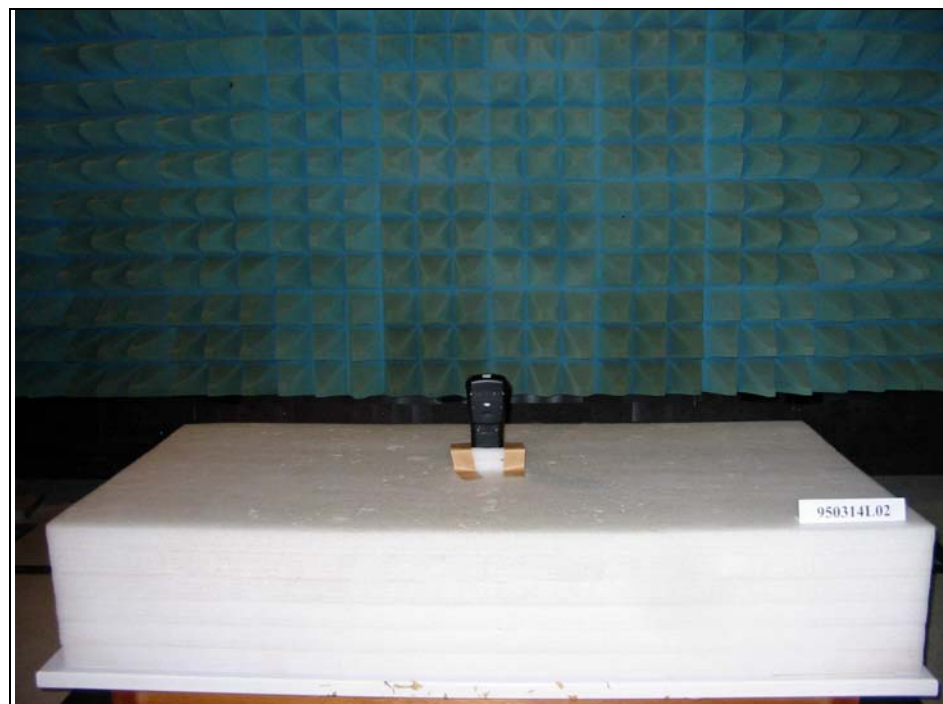
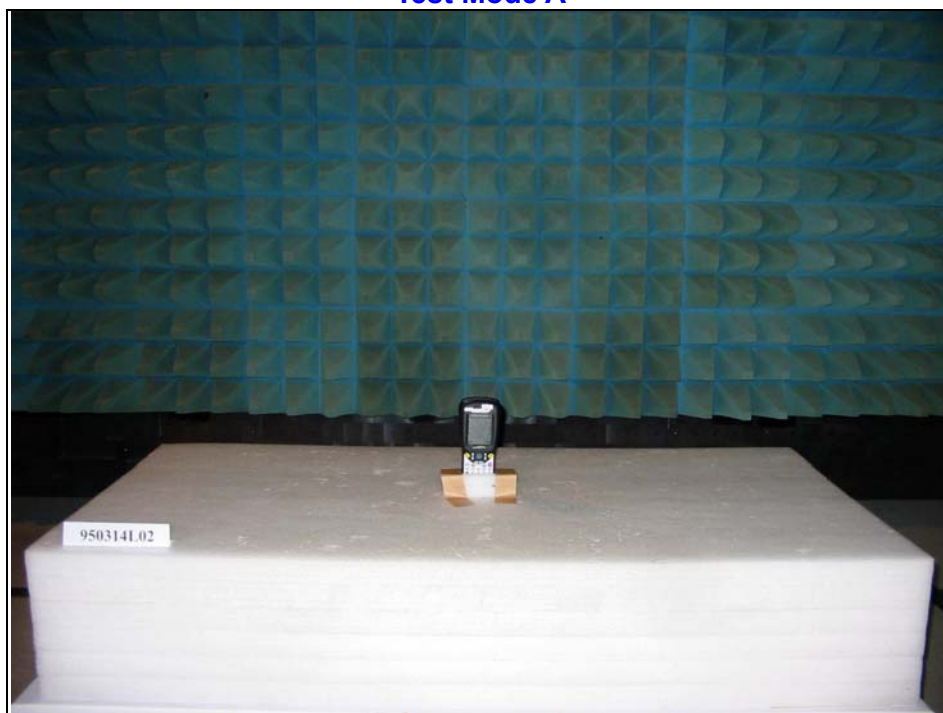
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	58.11 PK	74.00	-15.89	1.00 V	57	26.20	31.91
1	2390.00	47.85 AV	54.00	-6.15	1.00 V	57	15.94	31.91
2	*2402.00	100.83 PK			1.00 V	42	68.85	31.98
2	*2402.00	70.83 AV			1.00 V	42	38.85	31.98
3	*2437.00	101.57 PK			1.16 V	257	69.37	32.20
3	*2437.00	98.65 AV			1.16 V	257	66.45	32.20
4	4804.00	55.36 PK	74.00	-18.64	1.00 V	46	17.87	37.49
4	4804.00	25.36 AV	54.00	-28.64	1.00 V	46	-12.13	37.49
5	4874.00	50.23 PK	74.00	-23.77	1.11 V	254	12.68	37.55
5	4874.00	45.01 AV	54.00	-8.99	1.11 V	254	7.46	37.55

- 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. “ * “ : Fundamental frequency.

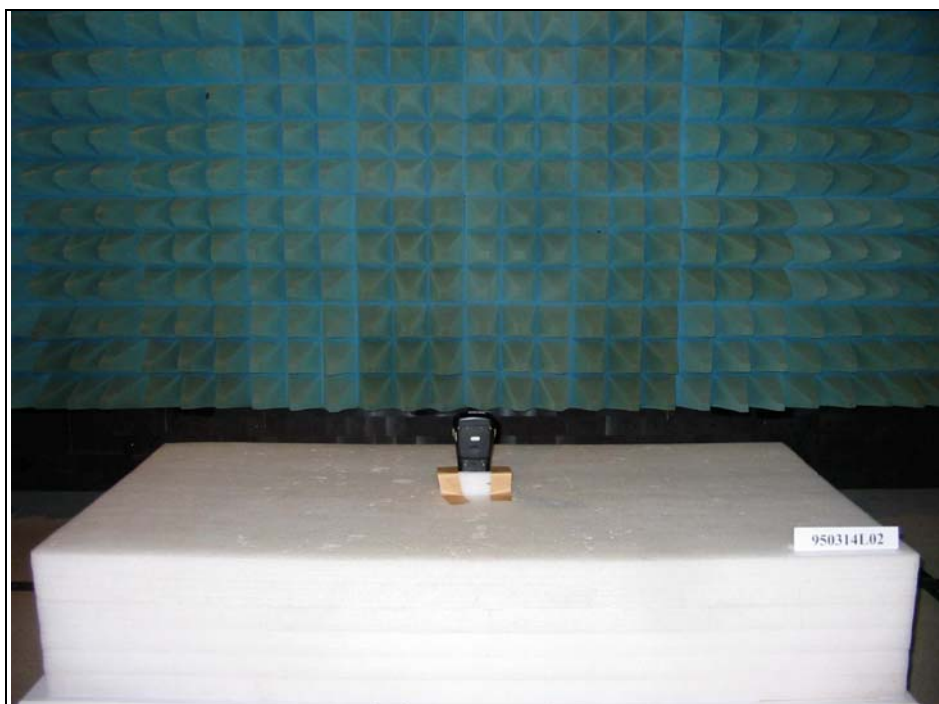
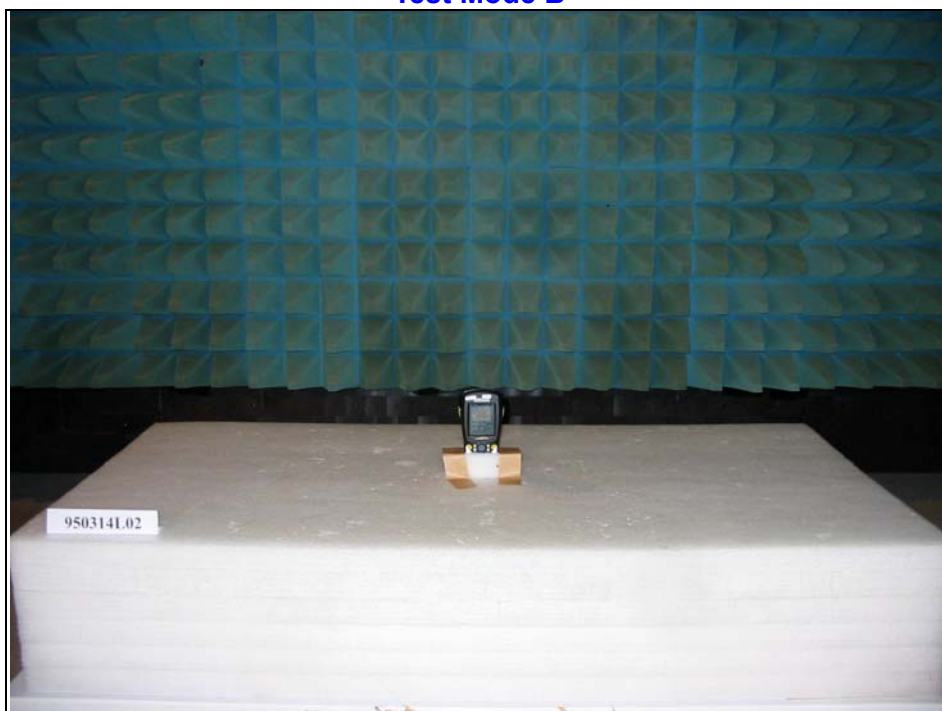
4 PHOTOGRAPHS OF THE TEST CONFIGURATION

RADIATED EMISSION TEST

Test Mode A



Test Mode B



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, 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

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.