

FCC TEST REPORT

REPORT NO.: RF940917L01A

MODEL NO.: DI-725EV

OEM MODEL NO.: TXRTR10004

RECEIVED: Jan. 12, 2006

TESTED: Jan. 12 ~ Jan. 13, 2006

ISSUED: Jan. 16, 2006

APPLICANT: D-Link Corporation

ADDRESS: 17595 Mt. Herrmann, Fountain Valley, CA 92708
United States

ISSUED BY: Advance Data Technology Corporation

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

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No. 2177-01

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1. CERTIFICATION

PRODUCT: Wireless G EVDO Router
MODEL: DI-725EV
OEM MODEL: TXRTR10004
BRAND: D-Link
OEM BRAND: Kyocera
APPLICANT: D-Link Corporation
TESTED: Jan. 12 ~ Jan. 13, 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 : Andrea Hsia , DATE: Jan. 16, 2006
Andrea Hsia

TECHNICAL
ACCEPTANCE : Long Chen , DATE: Jan. 16, 2006
Responsible for RF Long Chen

APPROVED BY : Gary Chang , DATE: Jan. 16, 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
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -13.39dB at 0.193MHz
15.247(d)	Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit. Minimum passing margin is -1.10dB at 2360.00MHz

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	3.73 dB
	200MHz ~ 1000MHz	3.74 dB
	1GHz ~ 18GHz	2.20 dB
	18GHz ~ 40GHz	1.88 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 G EVDO Router
MODEL NO.	DI-725EV
OEM MODEL NO.	TXRTR10004
POWER SUPPLY	5.0Vdc from AC adapter
MODULATION TYPE	CCK, QPSK, BPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
RADIO TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11b: 11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6Mbps
FREQUENCY RANGE	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11
OUTPUT POWER	46.238mW
ANTENNA TYPE	Dipole antenna with 2.39dBi gain PIFA antenna with 0.32dBi gain
DATA CABLE	NA
I/O PORTS	RJ45
ASSOCIATED DEVICES	NA

NOTE:

1. This report is issued as a supplementary report of ADT report no.: RF940917L01. This report is prepared for FCC class II permissive change. The differences compared with the original design is adding an EVDO card, which FCC ID is OVFKWC-KPC650, therefore emission tests are added for co-location between wireless LAN and CDMA function. The emission tests have been performed at the worst channel of both WLAN and CDMA, and recorded in the report.
2. The EUT was operated with following adapter.

BRAND	FAIRWAY ELECTRONIC CO., LTD.
MODEL	VE15A-050
I/P	100-240Vac, 50-60Hz, 1.0A MAX.
O/P	+5Vdc, 3.0A, 15W MAX.
Power Line	AC 1.2m non-shielded cable DC 1.8m non-shielded cable

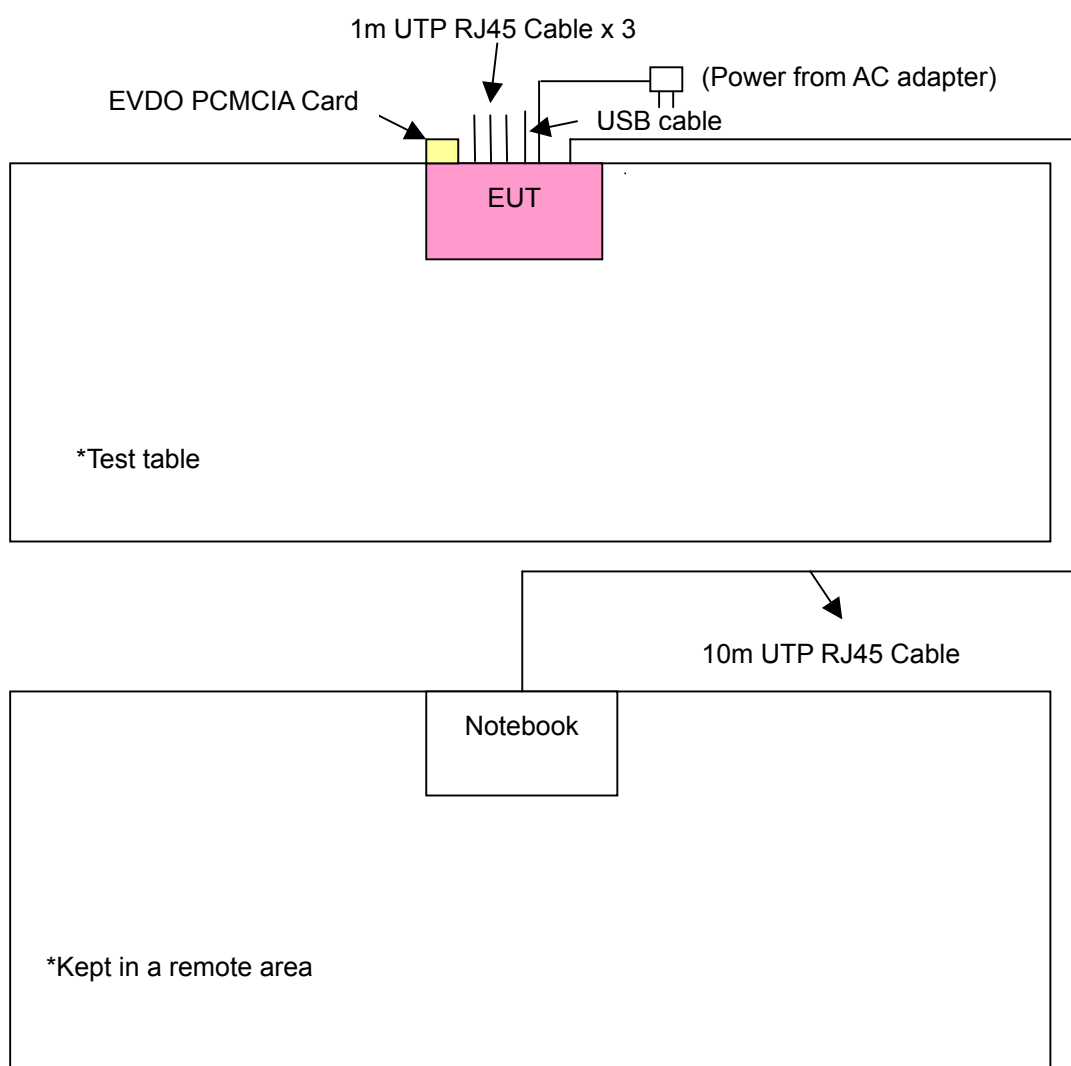
3. The EUT, operates in the 2.4GHz frequency range, lets you connect IEEE 802.11g or IEEE 802.11b devices to the network. With its high-speed data transmissions of up to 54Mbps.
4. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

Eleven channels are provided to this EUT.

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 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
	PLC	RE<1G	RE≥1G	
A	√	√	√	Co-located with CDMA 800 (Frequency: 848.31MHz, Channel 777)
B	√	√	√	Co-located with CDMA 1900 (Frequency: 1908.75 MHz, Channel 1175)

Where **PLC**: Power Line Conducted Emission**RE<1G**: Radiated Emission below 1GHz**RE≥1G**: Radiated Emission above 1GHz

POWER LINE CONDUCTED EMISSION TEST:

- ☒ 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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11g	1 to 11	1	OFDM	BPSK	6
B	802.11g	1 to 11	1	OFDM	BPSK	6

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	6	DSSS	CCK	11
B	802.11b	1 to 11	6	DSSS	CCK	11

**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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1	DSSS	CCK	11
B	802.11b	1 to 11	1	DSSS	CCK	11
A	802.11g	1 to 11	1	OFDM	BPSK	6
B	802.11g	1 to 11	1	OFDM	BPSK	6



3.2.3 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.

3.2.4 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	NOTEBOOK	DELL	PP05L	12130898320	E2K24CLNS
2	EVDO PCMCIA CARD	Kyocera	KPC650	NA	OVFKWC-KPC650

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).

4. TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

- NOTE:**
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
Test Receiver ROHDE & SCHWARZ	ESCS30	100291	Nov. 11, 2006
RF signal cable Woken	5D-FB	Cable-HYC01-01	Jan. 06, 2007
LISN SCHWARZBECK	NNBL 8226-2	8226-142	May 02, 2006
LISN ROHDE & SCHWARZ	ESH2-Z5	100104	Feb. 15, 2006
Software ADT	ADT_Cond_V3	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 test was performed in HwaYa Shielded Room 3.
 3. The VCCI Site Registration No. is C-2040.



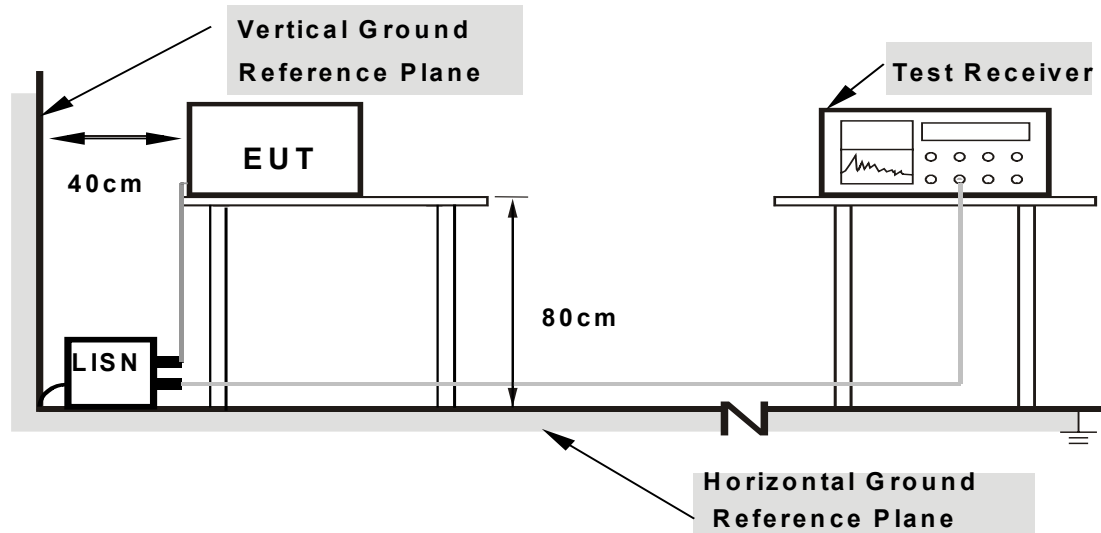
4.1.3 TEST PROCEDURES

- 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 150kHz to 30MHz 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
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. Placed the EUT on the testing table.
- b. Prepared the notebook systems to act as a communication partners and placed it outside of testing area.
- c. The communication partners ran a test program (provided by manufacturer) to enable EUT under transmission/receiving condition continuously at specific channel frequency via a RJ 45 cable.
- d. The communication partner sent data to EUT by command "PING".

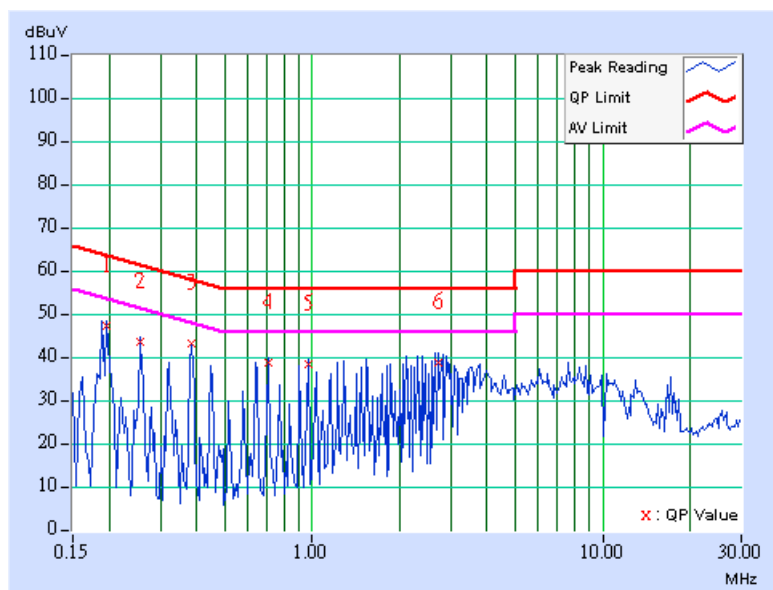
4.1.7 TEST RESULTS

CONDUCTED WORST-CASE DATA

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	CH1 (WLAN 802.11g) CH777 (CDMA 800)	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	A
TESTED BY	Jay Hsu		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	0.10	47.31	-	47.41	-	63.74	53.74	-16.33	-
2	0.255	0.10	43.52	-	43.62	-	61.58	51.58	-17.96	-
3	0.384	0.10	42.92	-	43.02	-	58.18	48.18	-15.16	-
4	0.709	0.15	38.68	-	38.83	-	56.00	46.00	-17.17	-
5	0.966	0.19	38.40	-	38.59	-	56.00	46.00	-17.41	-
6	2.703	0.26	38.78	-	39.04	-	56.00	46.00	-16.96	-

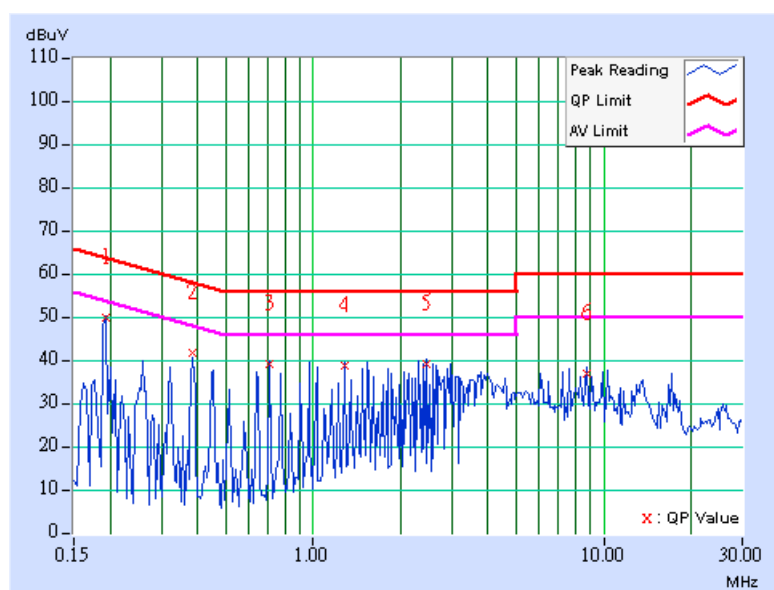
- REMARKS:** 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value =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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	CH1 (WLAN 802.11g) CH777 (CDMA 800)	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	A
TESTED BY	Jay Hsu		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	0.10	49.50	-	49.60	-	63.91	53.91	-14.31	-
2	0.384	0.10	41.23	-	41.33	-	58.18	48.18	-16.85	-
3	0.709	0.15	38.66	-	38.81	-	56.00	46.00	-17.19	-
4	1.285	0.20	38.26	-	38.46	-	56.00	46.00	-17.54	-
5	2.445	0.24	38.58	-	38.82	-	56.00	46.00	-17.18	-
6	8.742	0.52	36.68	-	37.20	-	60.00	50.00	-22.80	-

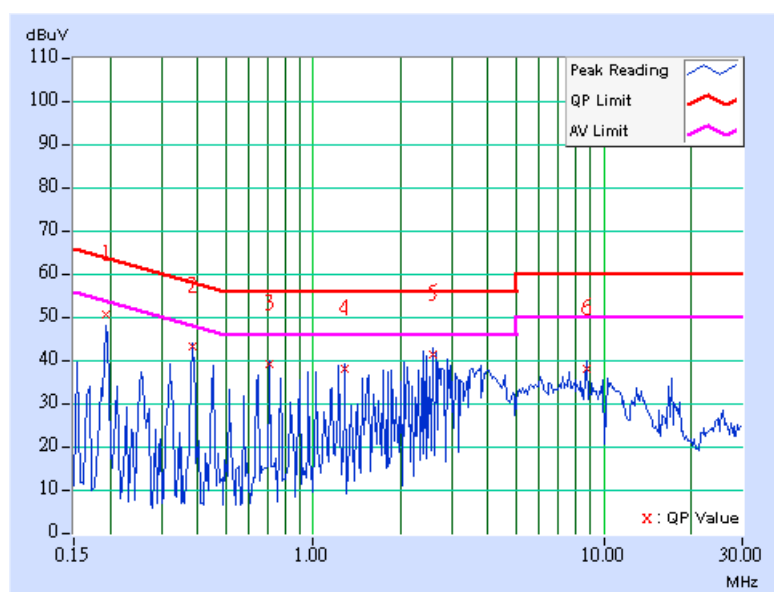
- REMARKS:** 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value =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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	CH1 (WLAN 802.11g) CH1175 (CDMA 1900)	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	B
TESTED BY	Jay Hsu		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	0.10	50.42	-	50.52	-	63.91	53.91	-13.39	-
2	0.384	0.10	43.00	-	43.10	-	58.18	48.18	-15.08	-
3	0.709	0.15	38.64	-	38.79	-	56.00	46.00	-17.21	-
4	1.285	0.20	37.67	-	37.87	-	56.00	46.00	-18.13	-
5	2.570	0.25	41.20	-	41.45	-	56.00	46.00	-14.55	-
6	8.742	0.44	37.87	-	38.31	-	60.00	50.00	-21.69	-

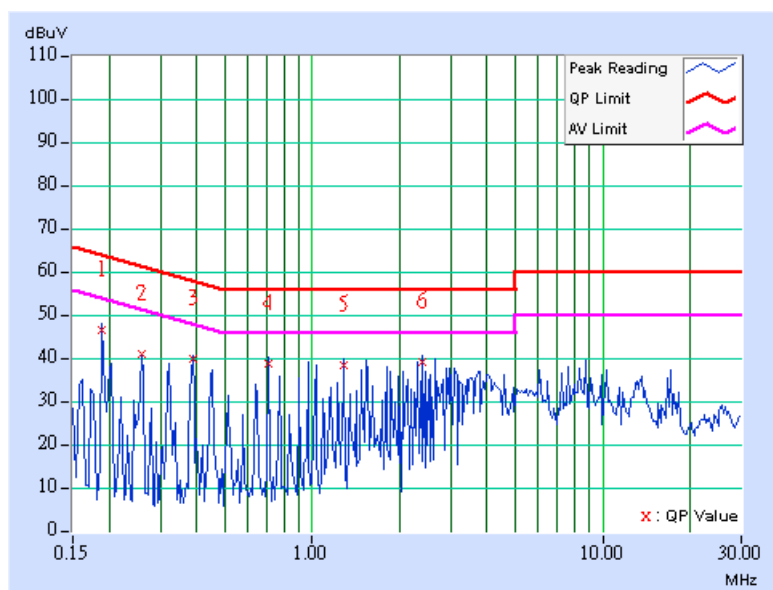
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	CH1 (WLAN 802.11g) CH1175 (CDMA 1900)	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	B
TESTED BY	Jay Hsu		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.189	0.10	46.48	-	46.58	-	64.08	54.08	-17.50	-
2	0.259	0.10	40.70	-	40.80	-	61.45	51.45	-20.65	-
3	0.388	0.10	39.89	-	39.99	-	58.10	48.10	-18.11	-
4	0.709	0.15	38.58	-	38.73	-	56.00	46.00	-17.27	-
5	1.285	0.20	38.29	-	38.49	-	56.00	46.00	-17.51	-
6	2.379	0.23	39.02	-	39.25	-	56.00	46.00	-16.75	-

- 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

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
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. 22, 2006
HORN Antenna EMCO	3117	00034130	Jan. 01, 2007
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA 9170241	Feb. 23, 2006
Preamplifier Agilent	8449B	3008A01961	Oct. 23, 2006
Preamplifier Agilent	8447D	2944A10629	Oct. 27, 2006
RF signal cable HUBER+SUHNER	SUCOFLEX 104	218182/4	Feb. 17, 2006
RF signal cable HUBER+SUHNER	SUCOFLEX 104	218194/4	Feb. 17, 2006
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.

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

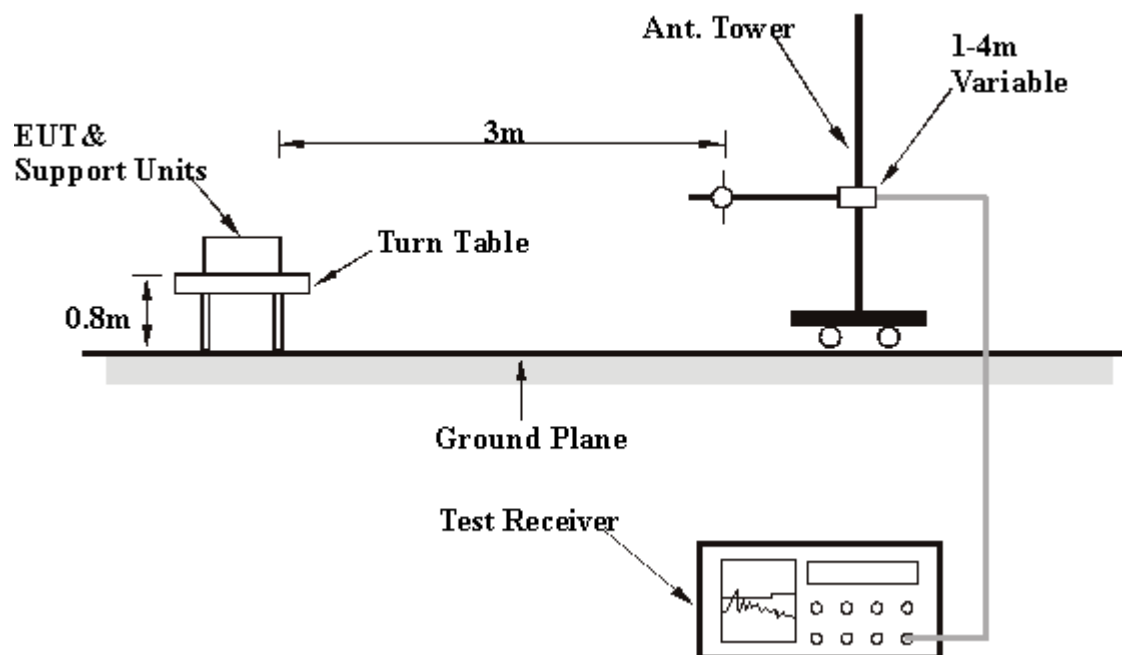
NOTE:

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 and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz 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

Same as 4.1.6

4.2.7 TEST RESULTS

RADIATED WORST-CASE DATA: BELOW 1GHz

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	CH6 (WLAN 802.11b) CH777 (CDMA 800)	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	CCK	DETECTOR FUNCTION	Quasi-Peak
TRANSFER RATE	11Mbps	ENVIRONMENTAL CONDITIONS	24deg. C, 69%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	A
TESTED BY	Match Tsui		

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	68.88	31.52 QP	40.00	-8.48	1.75 H	241	19.34	12.18
2	115.53	32.91 QP	43.50	-10.59	2.00 H	301	21.77	11.14
3	173.85	35.24 QP	43.50	-8.26	2.50 H	322	22.83	12.41
4	199.12	33.73 QP	43.50	-9.77	1.75 H	277	23.11	10.62
5	249.66	38.40 QP	46.00	-7.60	1.75 H	313	26.04	12.36
6	389.62	36.08 QP	46.00	-9.92	1.00 H	205	18.49	17.59
7	500.42	39.93 QP	46.00	-6.07	2.00 H	208	19.70	20.23
8	624.83	36.80 QP	46.00	-9.20	2.00 H	226	13.80	22.99
9	751.18	37.66 QP	46.00	-8.34	1.00 H	205	12.47	25.19
10	763.63	42.58 QP	46.00	-3.42	1.11 H	145	17.33	25.25
11	875.59	36.96 QP	46.00	-9.04	1.00 H	205	10.14	26.82
12	910.58	39.26 QP	46.00	-6.74	1.75 H	13	12.36	26.91

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	CH6 (WLAN 802.11b) CH777 (CDMA 800)	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	CCK	DETECTOR FUNCTION	Quasi-Peak
TRANSFER RATE	11Mbps	ENVIRONMENTAL CONDITIONS	24deg. C, 69%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	A
TESTED BY	Match Tsui		

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	63.77	32.67 QP	40.00	-7.33	1.02 V	156	19.96	12.72
2	117.47	38.48 QP	43.50	-5.02	1.00 V	292	27.05	11.44
3	140.80	34.32 QP	43.50	-9.18	1.00 V	10	21.40	12.92
4	169.96	37.48 QP	43.50	-6.02	1.00 V	343	24.86	12.63
5	199.12	36.11 QP	43.50	-7.39	1.00 V	226	25.49	10.62
6	249.66	39.81 QP	46.00	-6.19	1.00 V	292	27.44	12.36
7	389.62	34.98 QP	46.00	-11.02	1.00 V	340	17.39	17.59
8	455.71	33.05 QP	46.00	-12.95	1.00 V	340	14.00	19.05
9	500.42	35.06 QP	46.00	-10.94	1.00 V	343	14.83	20.23
10	599.56	32.14 QP	46.00	-13.86	1.00 V	343	9.68	22.46
11	624.83	33.68 QP	46.00	-12.32	1.00 V	103	10.68	22.99
12	751.18	32.23 QP	46.00	-13.77	1.00 V	340	7.04	25.19
13	875.59	36.52 QP	46.00	-9.48	1.00 V	340	9.70	26.82
14	910.58	33.83 QP	46.00	-12.17	1.00 V	7	6.93	26.91

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	CH6 (WLAN 802.11b) CH1175 (CDMA 1900)	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	CCK	DETECTOR FUNCTION	Quasi-Peak
TRANSFER RATE	11Mbps	ENVIRONMENTAL CONDITIONS	24deg. C, 69%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	B
TESTED BY	Match Tsui		

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	115.53	33.32 QP	43.50	-10.18	2.00 H	322	22.18	11.14
2	171.90	35.79 QP	43.50	-7.71	2.50 H	124	23.27	12.52
3	199.12	34.58 QP	43.50	-8.92	1.75 H	253	23.96	10.62
4	249.66	38.78 QP	46.00	-7.22	2.00 H	304	26.42	12.36
5	300.20	35.09 QP	46.00	-10.91	1.25 H	175	19.63	15.46
6	389.62	38.01 QP	46.00	-7.99	1.00 H	229	20.43	17.59
7	455.71	35.19 QP	46.00	-10.81	1.00 H	229	16.14	19.05
8	500.42	39.88 QP	46.00	-6.12	1.50 H	181	19.64	20.23
9	558.74	37.55 QP	46.00	-8.45	1.50 H	214	16.00	21.55
10	599.56	35.82 QP	46.00	-10.18	1.50 H	181	13.36	22.46
11	624.83	37.61 QP	46.00	-8.39	1.50 H	214	14.61	22.99
12	700.64	35.55 QP	46.00	-10.45	2.50 H	124	11.43	24.12
13	751.18	38.78 QP	46.00	-7.22	1.00 H	229	13.60	25.19
14	875.59	37.32 QP	46.00	-8.68	1.00 H	229	10.50	26.82
15	910.58	36.76 QP	46.00	-9.24	1.50 H	19	9.85	26.91

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	CH6 (WLAN 802.11b) CH1175 (CDMA 1900)	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	CCK	DETECTOR FUNCTION	Quasi-Peak
TRANSFER RATE	11Mbps	ENVIRONMENTAL CONDITIONS	24deg. C, 69%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	B
TESTED BY	Match Tsui		

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	36.05 QP	40.00	-3.95	1.25 V	184	23.05	13.00
2	63.05	37.20 QP	40.00	-2.80	1.00 V	166	24.41	12.79
3	115.53	38.95 QP	43.50	-4.55	1.00 V	232	27.81	11.14
4	140.80	34.48 QP	43.50	-9.02	1.00 V	106	21.56	12.92
5	169.96	36.74 QP	43.50	-6.76	1.00 V	112	24.11	12.63
6	199.12	36.49 QP	43.50	-7.01	1.00 V	43	25.87	10.62
7	249.66	39.61 QP	46.00	-6.39	1.00 V	73	27.24	12.36
8	389.62	36.93 QP	46.00	-9.07	1.00 V	118	19.34	17.59
9	500.42	35.56 QP	46.00	-10.44	1.00 V	112	15.33	20.23
10	556.79	35.58 QP	46.00	-10.42	1.25 V	184	14.07	21.50
11	560.68	35.80 QP	46.00	-10.20	1.00 V	13	14.21	21.59
12	875.59	36.32 QP	46.00	-9.68	1.00 V	118	9.50	26.82
13	910.58	35.20 QP	46.00	-10.80	1.00 V	13	8.29	26.91

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.

802.11b DSSS MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	CH1 (WLAN 802.11b) CH777 (CDMA 800)	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	CCK	DETECTOR FUNCTION	Peak (PK) Average (AV)
TRANSFER RATE	11Mbps	ENVIRONMENTAL CONDITIONS	24deg. C, 69%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	A
TESTED BY	Match Tsui		

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	1673.04	64.58 PK	74.00	-9.42	1.22 H	158	35.66	28.92
1	1673.04	50.31 AV	54.00	-3.69	1.22 H	158	21.39	28.92
2	2240.00	55.11 PK	74.00	-18.89	1.20 H	298	23.72	31.39
2	2240.00	45.14 AV	54.00	-8.86	1.20 H	298	13.75	31.39
3	2280.00	55.14 PK	74.00	-18.86	1.17 H	51	23.58	31.56
3	2280.00	48.30 AV	54.00	-5.70	1.17 H	51	16.74	31.56
4	2288.00	58.17 PK	74.00	-15.83	1.24 H	80	26.58	31.59
4	2288.00	50.90 AV	54.00	-3.10	1.24 H	80	19.31	31.59
5	2320.00	58.71 PK	74.00	-15.29	1.08 H	350	26.98	31.73
5	2320.00	48.60 AV	54.00	-5.40	1.08 H	350	16.87	31.73
6	2360.00	57.98 PK	74.00	-16.02	1.13 H	289	26.08	31.90
6	2360.00	50.36 AV	54.00	-3.64	1.13 H	289	18.46	31.90
7	2375.00	54.64 PK	74.00	-19.36	1.06 H	16	22.67	31.97
7	2375.00	48.21 AV	54.00	-5.79	1.06 H	16	16.24	31.97
8	*2412.00	104.12 PK			1.02 H	345	71.99	32.13
8	*2412.00	98.41 AV			1.02 H	345	66.28	32.13
9	3216.00	51.56 PK	74.00	-22.44	1.14 H	33	17.63	33.93
9	3216.00	48.54 AV	54.00	-5.46	1.14 H	33	14.61	33.93
10	4824.00	49.54 PK	74.00	-24.46	1.13 H	336	11.34	38.20
10	4824.00	39.54 AV	54.00	-14.46	1.00 H	0	1.34	38.20

- 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	CH1 (WLAN 802.11b) CH777 (CDMA 800)	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	CCK	DETECTOR FUNCTION	Peak (PK) Average (AV)
TRANSFER RATE	11Mbps	ENVIRONMENTAL CONDITIONS	24deg. C, 69%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	A
TESTED BY	Match Tsui		

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	1400.00	43.52 PK	74.00	-30.48	1.18 V	177	14.80	28.72
1	1400.00	40.18 AV	54.00	-13.82	1.18 V	177	11.46	28.72
2	2240.00	56.65 PK	74.00	-17.35	1.26 V	286	25.26	31.39
2	2240.00	47.63 AV	54.00	-6.37	1.26 V	286	16.24	31.39
3	2280.00	59.35 PK	74.00	-14.65	1.18 V	295	27.79	31.56
3	2280.00	50.05 AV	54.00	-3.95	1.18 V	295	18.49	31.56
4	2288.00	59.86 PK	74.00	-14.14	1.17 V	295	28.27	31.59
4	2288.00	52.66 AV	54.00	-1.34	1.17 V	295	21.07	31.59
5	2320.00	58.43 PK	74.00	-15.57	1.35 V	295	26.70	31.73
5	2320.00	50.71 AV	54.00	-3.29	1.35 V	295	18.98	31.73
6	2360.00	60.91 PK	74.00	-13.09	1.07 V	306	29.01	31.90
6	2360.00	52.90 AV	54.00	-1.10	1.07 V	306	21.00	31.90
7	*2412.00	114.19 PK			1.03 V	314	82.06	32.13
7	*2412.00	107.45 AV			1.03 V	314	75.32	32.13
8	3216.00	51.56 PK	74.00	-22.44	1.00 V	30	17.63	33.93
8	3216.00	47.81 AV	54.00	-6.19	1.00 V	30	13.88	33.93
9	4824.00	55.02 PK	74.00	-18.98	1.11 V	341	16.82	38.20
9	4824.00	47.53 AV	54.00	-6.47	1.11 V	0	9.33	38.20

- 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	CH1 (WLAN 802.11b) CH1175 (CDMA 1900)	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	CCK	DETECTOR FUNCTION	Peak (PK) Average (AV)
TRANSFER RATE	11Mbps	ENVIRONMENTAL CONDITIONS	24deg. C, 69%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	B
TESTED BY	Match Tsui		

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	2244.00	54.11 PK	74.00	-19.89	1.10 H	341	22.70	31.41
1	2244.00	45.36 AV	54.00	-8.64	1.10 H	341	13.95	31.41
2	2280.00	53.40 PK	74.00	-20.60	1.32 H	300	21.84	31.56
2	2280.00	47.36 AV	54.00	-6.64	1.32 H	300	15.80	31.56
3	2320.00	57.40 PK	74.00	-16.60	1.10 H	187	25.67	31.73
3	2320.00	46.89 AV	54.00	-7.11	1.10 H	187	15.16	31.73
4	2360.00	57.12 PK	74.00	-16.88	1.23 H	347	25.22	31.90
4	2360.00	49.69 AV	54.00	-4.31	1.23 H	347	17.79	31.90
5	2375.00	51.10 PK	74.00	-22.90	1.10 H	110	19.13	31.97
5	2375.00	46.98 AV	54.00	-7.02	1.10 H	110	15.01	31.97
6	*2412.00	104.36 PK			1.10 H	110	72.23	32.13
6	*2412.00	99.24 AV			1.10 H	110	67.11	32.13
7	4824.00	48.20 PK	74.00	-25.80	1.27 H	360	10.00	38.20
7	4824.00	39.98 AV	54.00	-14.02	1.27 H	360	1.78	38.20

- 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	CH1 (WLAN 802.11b) CH1175 (CDMA 1900)	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	CCK	DETECTOR FUNCTION	Peak (PK) Average (AV)
TRANSFER RATE	11Mbps	ENVIRONMENTAL CONDITIONS	24deg. C, 69%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	B
TESTED BY	Match Tsui		

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	2240.00	55.47 PK	74.00	-18.53	1.20 V	310	24.08	31.39
1	2240.00	48.32 AV	54.00	-5.68	1.20 V	310	16.93	31.39
2	2280.00	60.30 PK	74.00	-13.70	1.20 V	274	28.74	31.56
2	2280.00	50.77 AV	54.00	-3.23	1.20 V	274	19.21	31.56
3	2288.00	60.10 PK	74.00	-13.90	1.09 V	187	28.51	31.59
3	2288.00	52.17 AV	54.00	-1.83	1.09 V	187	20.58	31.59
4	2320.00	57.88 PK	74.00	-16.12	1.23 V	314	26.15	31.73
4	2320.00	50.69 AV	54.00	-3.31	1.23 V	314	18.96	31.73
5	2360.00	60.67 PK	74.00	-13.33	1.04 V	306	28.77	31.90
5	2360.00	52.74 AV	54.00	-1.26	1.04 V	306	20.84	31.90
6	*2412.00	113.80 PK			1.04 V	306	81.67	32.13
6	*2412.00	106.64 AV			1.04 V	306	74.51	32.13
7	2944.00	58.82 PK	74.00	-15.18	1.21 V	340	25.36	33.46
7	2944.00	50.59 AV	54.00	-3.41	1.21 V	340	17.13	33.46

- 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.

802.11g OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	CH1 (WLAN 802.11g) CH777 (CDMA 850)	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	DETECTOR FUNCTION	Peak (PK) Average (AV)
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	24deg. C, 69%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	A
TESTED BY	Match Tsui		

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	2320.00	55.74 PK	74.00	-18.26	1.10 H	269	24.01	31.73
1	2320.00	44.14 AV	54.00	-9.86	1.10 H	269	12.41	31.73
2	2390.00	60.40 PK	74.00	-13.60	1.27 H	360	28.36	32.04
2	2390.00	47.16 AV	54.00	-6.84	1.27 H	360	15.12	32.04
3	*2412.00	103.21 PK			1.09 H	360	71.08	32.13
3	*2412.00	93.92 AV			1.09 H	360	61.79	32.13

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	2280.00	57.68 PK	74.00	-16.32	1.10 V	347	26.12	31.56
1	2280.00	47.98 AV	54.00	-6.02	1.10 V	347	16.42	31.56
2	2320.00	47.65 PK	74.00	-26.35	1.11 V	135	15.92	31.73
2	2320.00	47.30 AV	54.00	-6.70	1.11 V	135	15.57	31.73
3	2390.00	63.24 PK	74.00	-10.76	1.10 V	180	31.20	32.04
3	2390.00	51.11 AV	54.00	-2.89	1.10 V	180	19.07	32.04
4	*2412.00	109.54 PK			1.10 V	179	77.41	32.13
4	*2412.00	100.24 AV			1.10 V	179	68.11	32.13
5	3216.00	50.21 PK	74.00	-23.79	1.27 V	196	16.28	33.93
5	3216.00	46.89 AV	54.00	-7.11	1.27 V	196	12.96	33.93

- 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	CH1 (WLAN 802.11g) CH1175 (CDMA 1900)	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	DETECTOR FUNCTION	Peak (PK) Average (AV)
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	24deg. C, 69%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	B
TESTED BY	Match Tsui		

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	2320.00	55.10 PK	74.00	-18.90	1.07 H	214	23.37	31.73
1	2320.00	44.20 AV	54.00	-9.80	1.07 H	214	12.47	31.73
2	2390.00	61.20 PK	74.00	-12.80	1.23 H	300	29.16	32.04
2	2390.00	47.34 AV	54.00	-6.66	1.23 H	300	15.30	32.04
3	*2412.00	103.63 PK			1.23 H	300	71.50	32.13
3	*2412.00	94.27 AV			1.23 H	300	62.14	32.13

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	2240.00	51.67 PK	74.00	-22.33	1.24 V	360	20.28	31.39
1	2240.00	44.63 AV	54.00	-9.37	1.24 V	360	13.24	31.39
2	2280.00	58.20 PK	74.00	-15.80	1.17 V	314	26.64	31.56
2	2280.00	48.17 AV	54.00	-5.83	1.17 V	314	16.61	31.56
3	2320.00	55.32 PK	74.00	-18.68	1.10 V	126	23.59	31.73
3	2320.00	48.27 AV	54.00	-5.73	1.10 V	126	16.54	31.73
4	2390.00	63.82 PK	74.00	-10.18	1.07 V	180	31.78	32.04
4	2390.00	51.77 AV	54.00	-2.23	1.07 V	180	19.73	32.04
5	*2412.00	110.11 PK			1.10 V	180	77.98	32.13
5	*2412.00	100.89 AV			1.10 V	180	68.76	32.13
6	3216.00	49.98 PK	74.00	-24.02	1.31 V	165	16.05	33.93
6	3216.00	47.10 AV	54.00	-6.90	1.31 V	165	13.17	33.93

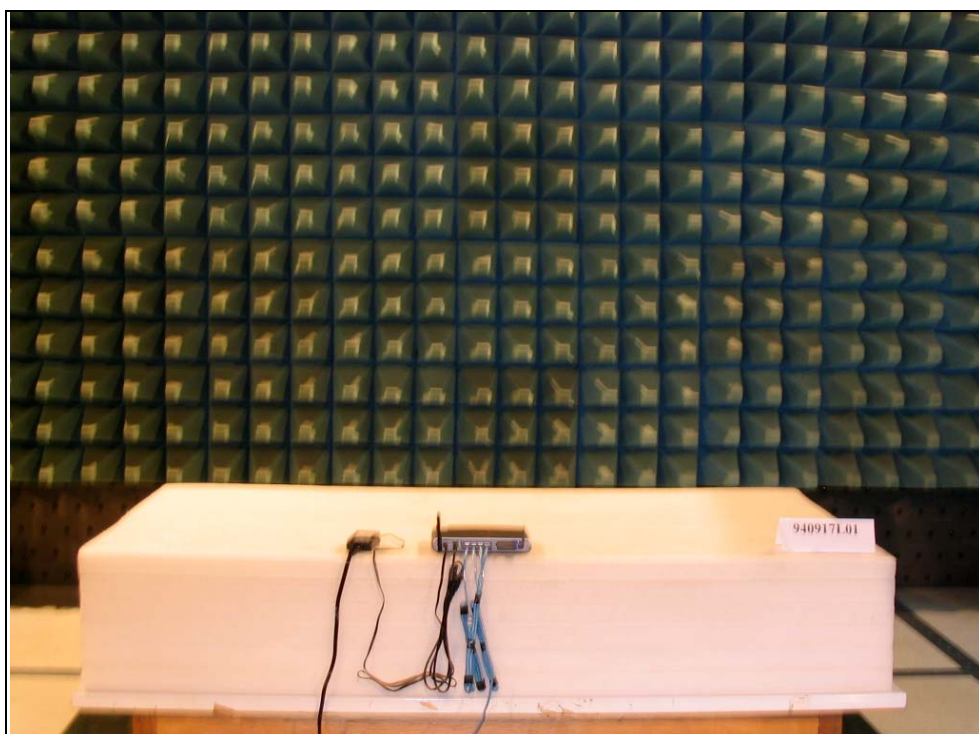
- REMARKS:**
1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. “ * ”: Fundamental frequency.

5. PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST



RADIATED EMISSION TEST



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, 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

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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.