FCC TEST REPORT

REPORT NO.: RF921128H04
MODEL NO.: G11FNW-PC
RECEIVED: Dec. 12, 2003
TESTED: Dec. 15 to 31, 2003

APPLICANT: Proxim Corporation

ADDRESS: 935 Stewart Drive, Sunnyvale, CA 94085, USA

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, Taiwan, R.O.C.

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1 CERTIFICATION

PRODUCT : 802.11b/g Cardbus
BRAND NAME : Proxim
MODEL NO. : G11FNW-PC
APPLICANT : Proxim Corporation
STANDARDS : 47 CFR Part 15, Subpart C (Section 15.247), ANSI C63.4-1992

We, **Advance Data Technology Corporation**, hereby certify that one sample of the designation has been tested in our facility from Dec. 15 to 31, 2003. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions herein specified.

PREPARED BY: Carol Liao , **DATE:** *Jan. 07, 2003*
(Carol Liao)

APPROVED BY: , **DATE:** *Jan. 07, 2003*
(Eric Lin, Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: 47 CFR Part 15, Subpart C			
Standard Section	**Test Type and Limit**	**Result**	**REMARK**
15.207	AC Power Conducted Emission Limit: 48dBuV	PASS	Meet the requirement of limit Minimum passing margin is –15.73 dBuV at 0.177 MHz
15.247(a)(2)	Spectrum Bandwidth of a Direct Sequence Spread Spectrum System Limit: min. 500kHz	PASS	Meet the requirement of limit
15.247(b)	Maximum Peak Output Power Limit: max. 30dBm	PASS	Meet the requirement of limit
15.247(c)	Transmitter Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit Minimum passing margin is –0.8 dBuV at 2483.5MHz and 7386.0MHz
15.247(d)	Power Spectral Density Limit: max. 8dBm	PASS	Meet the requirement of limit
15.247(c)	Band Edge Measurement Limit: 20 dB less than the peak value of fundamental frequency	PASS	Meet the requirement of limit

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	802.11b/g Cardbus
MODEL NO.	G11FNW-PC
POWER SUPPLY	3.45VDC from host equipment
MODULATION TYPE	CCK, OFDM, DBPSK, DQPSK
RADIO TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	1/2/5.5/6/9/11/12/18/24/36/48/54Mbps
FREQUENCY RANGE	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11
OUTPUT POWER	22.48dBm
ANTENNA TYPE	Please see below (note 3)
DATA CABLE	NA
I/O PORTS	NA
ASSOCIATED DEVICES	NA

NOTE:

1. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 54Mbps.
2. The EUT complies with IEEE 802.11g draft standards, and backwards compatible with IEEE 802.11b products.
3. There are three antennas provided to this EUT, please refer to the following table:

No.	Model No.	Gain (dBi)	Antenna Type	Antenna Connector
1		2.0dBi	integral antenna	NA
2	AIN-WB-OD-B	2.5dBi	Dual-Band Omni Dirctional Antenna	Aliner 23-401A R/A plug
3	AIN24-OD-0202	3.0dBi	Ranger Extender Antenna	WaveLAN II Specail, Snap-on type

4. For a 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 in 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		

NOTE:

1. Below 1 GHz, the channel 1, 6, and 11 were pre-tested in chamber. The channel 11, worst case one, was chosen for final test.
2. Above 1 GHz, the channel 1, 6, and 11 were tested individually.
3. Transfer rate, 11Mbps with CCK technique and 6Mbps with OFDM technique, the worst case, were chosen for final test.

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a 802.11b/g Cardbus . According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

47 CFR Part 15, Subpart C. (15.247)
ANSI C63.4 : 1992

All tests 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 47 CFR Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

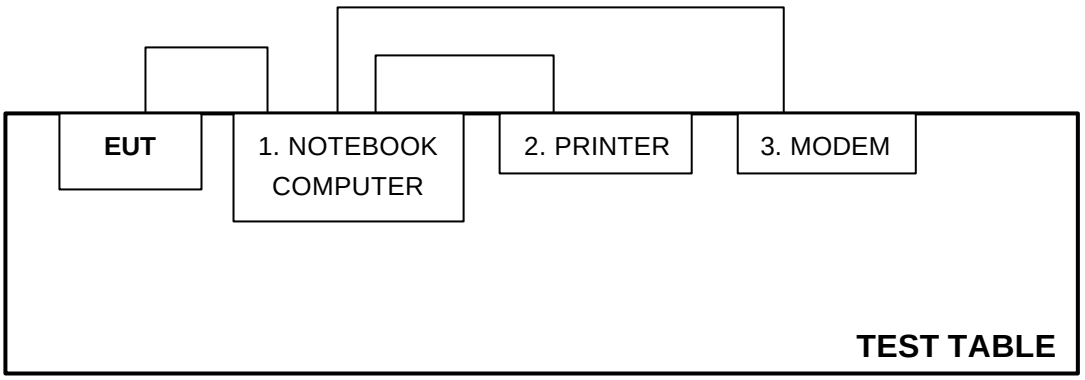
3.4 DESCRIPTION OF SUPPORT UNITS

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	NOTEBOOK	DELL	PP01L	TW-09C748-12800-17Q-C504	DoC
2	PRINTER	HP	C2642A	MY79F1C3MZ	B94C2642X
3	MODEM	ACEEX	1414	0206026771	IFAXDM1414

No.	Signal cable description
1	NA
2	1.8 m braid shielded wire, terminated with DB25 and Centronics connector via metallic frame, w/o core.
3	1 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame, w/o core.

Note: 1. All power cords of the above support units are unshielded (1.8m).



NOTE: 1. Please refer to the photos of test configuration in Item 5 also.

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. All emanations from a class 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
ROHDE & SCHWARZ Test Receiver	ESCS 30	847124/029	Nov. 17, 2004
ROHDE & SCHWARZ LISN (for EUT)	ESHS-Z5	848773/004	Nov. 13, 2004
KYORITSU LISN (for peripheral)	KNW-407	8/1395/12	Jul. 23, 2004
RF Cable (JETBAO)	RG233/U	Cable_CA_01	Jul. 03, 2004
Terminator(for KYORITSU)	50	3	Apr. 11, 2004
Software	Cond-V2e	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 ADT Shielded Room No. A.
3. The VCCI Con A Registration No. is C-817.

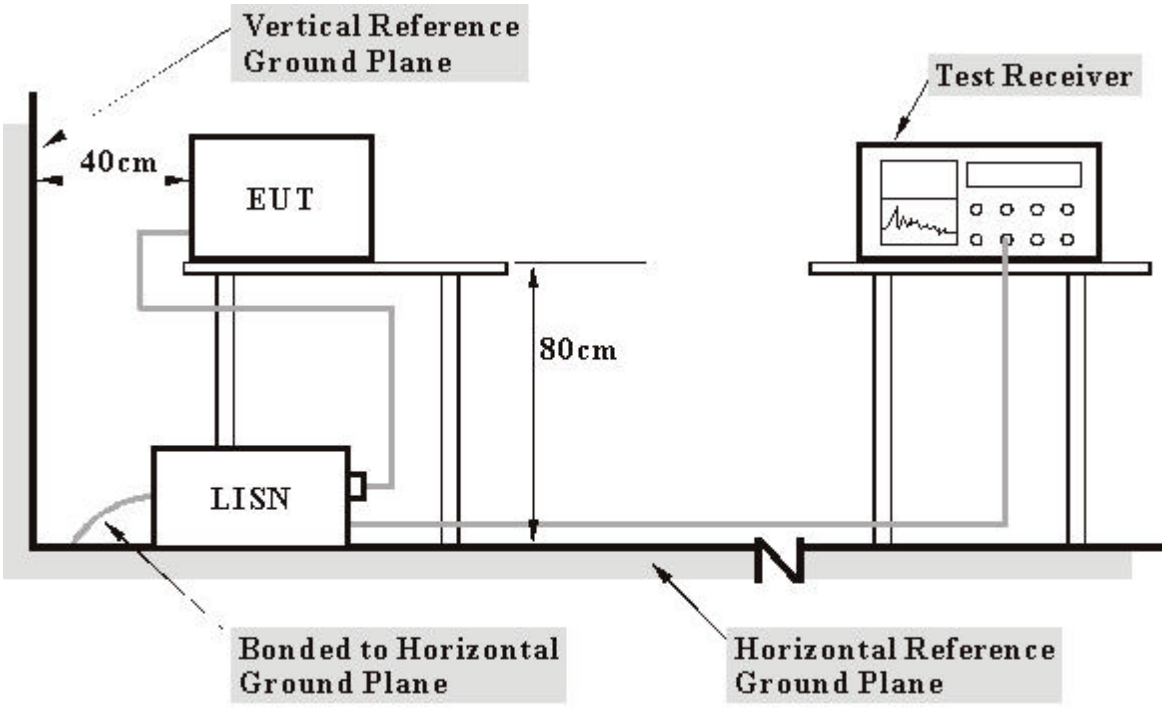
3. TEST PROCEDURES

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 150 kHz to 30 MHz was searched. Emission levels over 10dB under the prescribed limits could not be reported

4.1.3 TEST SETUP



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

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

4.1.4 EUT OPERATING CONDITIONS

a. Connected the EUT to support unit 1 (Notebook Computer) and placed on a testing table.

b. The support unit 1 (Notebook computer) ran a test program to enable EUT under transmission condition continuously at specific channel frequency.

c. Notebook computer sends "H" messages to modem.

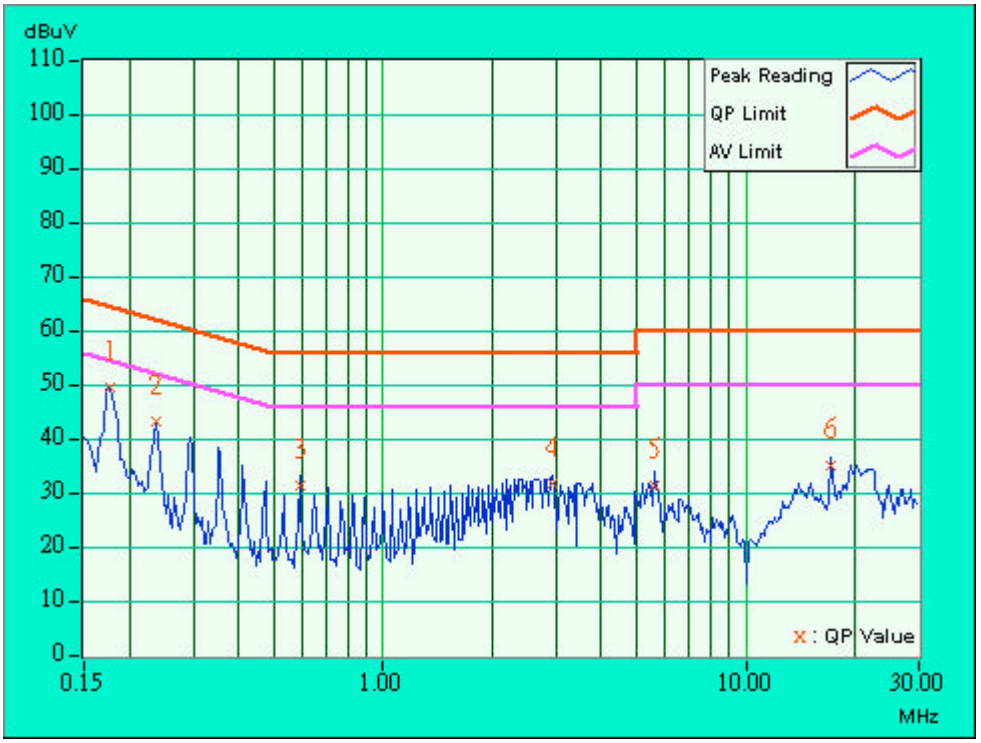
d. Notebook computer sends "H" messages to printer, and the printer prints them on paper.

4.1.5 TEST RESULTS

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	24 deg. C, 50%RH, 981 hPa	**TESTED BY**	Hank Chung

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.177**	**0.20**	**48.68**	**-**	**48.88**	**-**	**64.61**	**54.61**	**-15.73**	**-**
2	0.236	0.20	42.28	-	42.48	-	62.24	52.24	-19.76	-
3	0.591	0.23	30.50	-	30.73	-	56.00	46.00	-25.27	-
4	2.951	0.35	30.90	-	31.25	-	56.00	46.00	-24.75	-
5	5.609	0.51	30.20	-	30.71	-	60.00	50.00	-29.29	-
6	17.160	1.10	34.22	-	35.32	-	60.00	50.00	-24.68	-

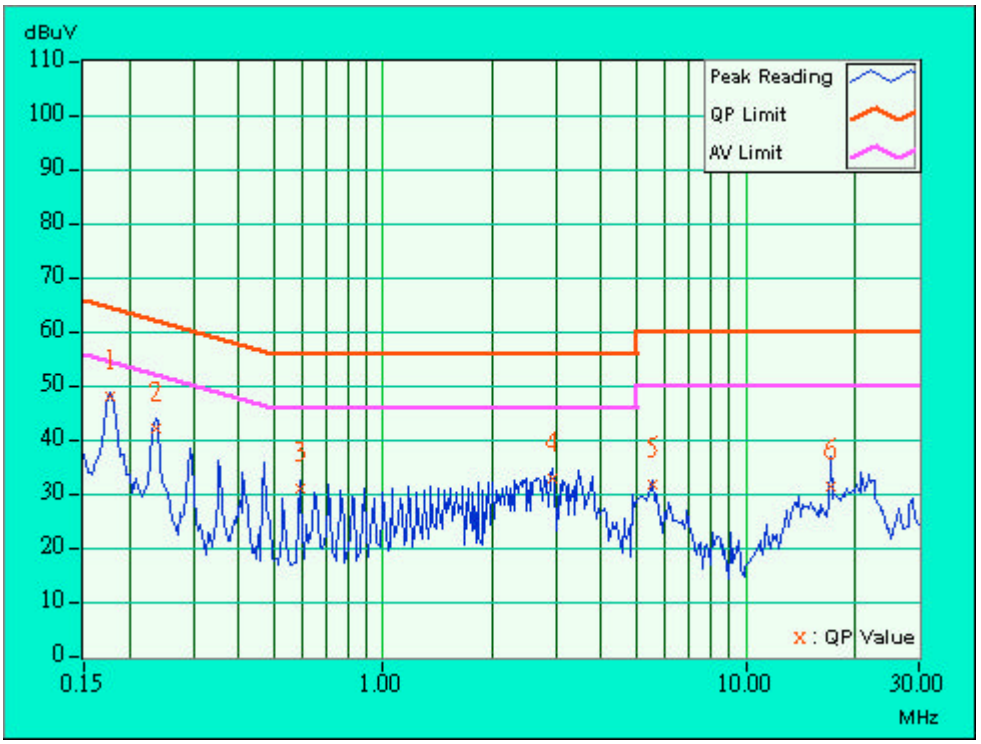
NOTES: (1) "*": Undetectable
(2) Q.P. and AV. are abbreviations of quasi-peak and average.
(3) "-": The Quasi-peak reading value also meets an average limit, thus measurement with the average detector is unnecessary.
(4) The emission levels of other frequencies were very low against the limit.
(5) Correction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



EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 11	**6dB BANDWIDTH**	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	24 deg. C, 50%RH, 981 hPa	**TESTED BY**	Hank Chung

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.20	47.15	-	47.35	-	64.61	54.61	-17.26	-
2	0.236	0.20	41.30	-	41.50	-	62.24	52.24	-20.74	-
3	0.592	0.23	29.96	-	30.19	-	56.00	46.00	-25.81	-
4	2.951	0.35	31.86	-	32.21	-	56.00	46.00	-23.79	-
5	5.550	0.48	30.73	-	31.21	-	60.00	50.00	-28.79	-
6	17.242	1.00	30.50	-	31.50	-	60.00	50.00	-28.50	-

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



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Field strength limits are at the distance of 3 meters, emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequencies (MHz)	Field Strength of Fundamental	
	uV/m	dBuV/m
30-88	100	40.0
88-216	150	43.5
216-960	200	46.0
Above 960	500	54.0

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 Spectrum Analyzer	8594ER	3829U04676	Jul. 14, 2004
ADVANTEST Spectrum Analyzer	R3271A	85060311	May 21, 2004
CHASE RF Pre_Amplifier	CPA9232	1057	Apr. 24, 2004
HP Pre_Amplifier	8449B	3008A01281	June 27, 2004
ROHDE & SCHWARZ Test Receiver	ESVS 10	849231 /019	Nov. 03, 2004
CHASE Broadband Antenna	CBL6111c	2730	Jul 17, 2004
Schwarzbeck Horn_Antenna	3115	5619	Jul. 17, 2004
SCHWARZBECK Tunable Dipole Antenna	UHAP	897	Mar. 07, 2005
SCHWARZBECK Tunable Dipole Antenna	VHAP	880	Mar. 07, 2005
RF Switches (ARNITSU)	CS-201	1565157	Dec. 01, 2004
RF CABLE (Chaintek) 1GHz-20GHz	SF102	22054-2	Feb. 10. 2004
RF Cable(RICHTEC)	9913-30M	STCCAB-30M-1GHz-021	Nov. 5, 2004
Software	AS60P8	NA	NA
CHANCE MOST Antenna Tower	AT-100	0203	NA
CHANCE MOST Turn Table	TT-100	0203	NA

Note: 1. The calibration interval of the above test instruments is 12 months (36 months for Tunable Dipole Antenna) and the calibrations are traceable to NML/ROC and NIST/USA.
2. * = These equipment are used for the final measurement.
3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The test was performed in ADT Open Site No. C.
5. The FCC Site Registration No. is 656396.
6. The VCCI Site Registration No. is R-1626.
7. The CANADA Site Registration No. is IC 3789-C.

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.

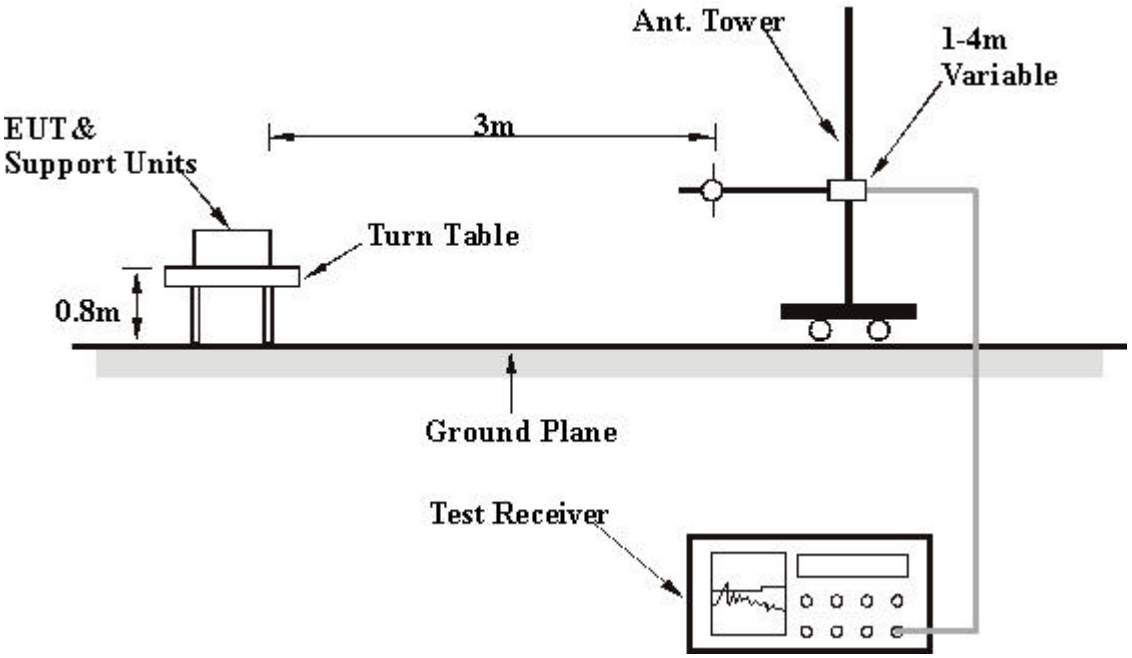
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

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 and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 300 Hz for Average detection (AV) at frequency above 1GHz.

4.2.4 TEST SETUP



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

4.2.5 EUT OPERATING CONDITIONS

Same as 4.1.5.

4.2.6 TEST RESULTS

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 11 (Antenna 1)	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	24 deg. C, 60%RH, 981 hPa	**TESTED BY**	Eric 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	124.96	27.60 QP	43.50	-15.90	1.51 H	230	15.30	12.30
2	132.99	28.90 QP	43.50	-14.60	1.15 H	345	17.10	11.70
3	200.00	25.20 QP	43.50	-18.30	1.06 H	15	15.50	9.70
4	264.00	24.60 QP	46.00	-21.40	1.29 H	284	11.00	13.60
5	300.00	32.10 QP	46.00	-13.90	1.59 H	307	17.40	14.70
6	400.01	31.80 QP	46.00	-14.20	1.14 H	174	15.00	16.80
7	500.00	31.40 QP	46.00	-14.60	1.05 H	108	12.20	19.30
8	528.07	29.80 QP	46.00	-16.20	1.70 H	197	8.90	20.90

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	125.01	24.00 QP	43.50	-19.50	1.26 V	195	11.80	12.20
2	133.23	29.00 QP	43.50	-14.50	1.26 V	252	17.30	11.70
3	200.05	24.50 QP	43.50	-19.00	1.32 V	200	14.80	9.70
4	249.99	27.40 QP	46.00	-18.60	1.01 V	309	14.10	13.30
5	300.00	31.20 QP	46.00	-14.80	1.40 V	344	16.50	14.70
6	351.01	30.90 QP	46.00	-15.10	1.01 V	179	15.20	15.70
7	400.04	33.40 QP	46.00	-12.60	1.31 V	120	16.60	16.80
8	531.76	31.70 QP	46.00	-14.30	1.59 V	188	10.60	21.10

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 11 (Antenna 2)	**FREQUENCY RANGE**	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	24 deg. C, 60%RH, 981 hPa	**TESTED BY**	Eric 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	125.19	24.60 QP	43.50	-18.90	1.19 H	68	12.40	12.20
2	134.21	26.60 QP	43.50	-16.90	2.01 H	354	14.80	11.70
3	200.00	24.00 QP	43.50	-19.50	1.01 H	222	14.30	9.70
4	266.85	25.40 QP	46.00	-20.60	1.44 H	54	12.10	13.30
5	300.10	36.20 QP	46.00	-9.80	1.19 H	296	21.50	14.70
6	399.91	33.00 QP	46.00	-13.00	1.63 H	326	16.20	16.80
7	500.23	32.50 QP	46.00	-13.50	1.83 H	54	13.20	19.30
8	528.00	28.90 QP	46.00	-17.10	1.20 H	45	8.00	20.90

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	125.24	24.80 QP	43.50	-18.70	1.11 V	47	12.60	12.20
2	132.64	22.00 QP	43.50	-21.50	1.23 V	69	10.30	11.70
3	200.11	24.30 QP	43.50	-19.20	1.11 V	47	14.60	9.70
4	250.03	26.90 QP	46.00	-19.10	1.11 V	356	13.60	13.30
5	300.01	30.60 QP	46.00	-15.40	1.42 V	357	15.80	14.70
6	352.00	28.90 QP	46.00	-17.10	1.33 V	69	13.20	15.70
7	400.01	32.70 QP	46.00	-13.30	1.74 V	56	15.90	16.80
8	532.27	32.20 QP	46.00	-13.80	1.73 V	6	11.10	21.10

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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	802.11b/g Cardbus	MODEL	G11FNW-PC
MODE	Channel 11 (Antenna 3)	FREQUENCY RANGE	30-1000 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	24 deg. C, 60%RH, 981 hPa	TESTED BY	Eric 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	125.20	25.80 QP	43.50	-17.70	2.00 H	236	13.50	12.20
2	133.14	28.10 QP	43.50	-15.40	1.11 H	47	16.40	11.70
3	199.99	24.90 QP	43.50	-18.60	1.08 H	62	15.20	9.70
4	265.35	27.00 QP	46.00	-19.00	1.02 H	254	13.50	13.50
5	299.98	37.00 QP	46.00	-9.00	1.09 H	245	22.30	14.70
6	400.00	33.30 QP	46.00	-12.70	1.00 H	3	16.50	16.80
7	501.39	32.90 QP	46.00	-13.10	1.58 H	62	13.50	19.40
8	527.35	30.80 QP	46.00	-15.20	1.37 H	59	10.00	20.80

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	125.24	23.60 QP	43.50	-19.90	4.00 V	326	11.30	12.20
2	134.58	20.60 QP	43.50	-22.90	1.69 V	98	8.90	11.70
3	201.00	26.50 QP	43.50	-17.00	1.37 V	85	16.90	9.70
4	249.98	27.60 QP	46.00	-18.40	1.02 V	354	14.30	13.30
5	300.24	32.50 QP	46.00	-13.50	1.54 V	245	17.80	14.70
6	352.54	28.60 QP	46.00	-17.40	1.41 V	121	12.80	15.80
7	400.01	34.00 QP	46.00	-12.00	1.74 V	56	17.20	16.80
8	533.69	30.50 QP	46.00	-15.50	1.43 V	6	9.40	21.20

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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.

4.2.7 TEST RESULTS – DSSS (Antenna 1)

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average(AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 59%RH, 981 hPa	**TESTED BY**	Tony Chen

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	54.40 PK	74.00	-19.60	1.24 H	320	24.60	29.80
1	2390.00	45.60 AV	54.00	-8.40	1.24 H	320	15.80	29.80
2	*2412.00	105.40 PK			1.09 H	348	75.50	29.90
2	*2412.00	98.90 AV			1.09 H	348	69.00	29.90
3	2688.00	48.50 PK	74.00	-25.50	1.00 H	341	17.80	30.70
4	4824.00	58.00 PK	74.00	-16.00	1.00 H	166	21.80	36.20
4	4824.00	49.30 AV	54.00	-4.70	1.00 H	166	13.10	36.20
5	7236.00	61.40 PK	74.00	-12.60	1.03 H	162	19.70	41.70
5	7236.00	51.80 AV	54.00	-2.20	1.03 H	162	10.10	41.70

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	52.60 PK	74.00	-21.40	1.24 V	231	22.80	29.80
1	2390.00	44.40 AV	54.00	-9.60	1.24 V	231	14.60	29.80
2	*2412.00	102.90 PK			1.55 V	19	73.00	29.90
2	*2412.00	95.60 AV			1.55 V	19	65.70	29.90
3	2688.00	50.00 PK	74.00	-24.00	1.39 V	360	19.30	30.70
4	4824.00	60.40 PK	74.00	-13.60	1.07 V	161	24.20	36.20
4	4824.00	49.30 AV	54.00	-4.70	1.07 V	161	13.10	36.20
5	7236.00	60.30 PK	74.00	-13.70	1.67 V	128	18.60	41.70
5	7236.00	52.80 AV	54.00	-1.20	1.67 V	128	11.10	41.70

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 59%RH, 981 hPa	**TESTED BY**	Tony Chen

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	2380.00	47.80 PK	74.00	-26.20	1.82 H	10	18.10	29.70
2	*2437.00	109.60 PK			1.10 H	220	79.70	30.00
2	*2437.00	101.70 AV			1.10 H	220	71.70	30.00
3	2492.00	44.50 PK	74.00	-29.50	1.56 H	215	14.40	30.20
4	2688.00	49.70 PK	74.00	-24.30	1.20 H	201	19.00	30.70
5	4874.00	57.30 PK	74.00	-16.70	1.00 H	240	20.90	36.50
5	4874.00	47.20 AV	54.00	-6.80	1.00 H	240	10.80	36.50
6	7311.00	62.80 PK	74.00	-11.20	2.17 H	8	21.00	41.80
6	7311.00	52.70 AV	54.00	-1.30	2.17 H	8	11.00	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	2382.00	48.60 PK	74.00	-25.40	1.33 V	201	18.90	29.70
2	*2437.00	104.40 PK			1.00 V	160	74.50	30.00
2	*2437.00	96.60 AV			1.00 V	160	66.60	30.00
3	2492.00	40.10 PK	74.00	-33.90	1.81 V	278	9.90	30.20
4	2688.00	50.30 PK	74.00	-23.70	1.24 V	234	19.60	30.70
5	4874.00	60.50 PK	74.00	-13.50	1.00 V	155	24.10	36.50
5	4874.00	48.80 AV	54.00	-5.20	1.00 V	155	12.30	36.50
6	7311.00	60.80 PK	74.00	-13.20	1.76 V	48	19.10	41.80
6	7311.00	51.60 AV	54.00	-2.40	1.76 V	48	9.90	41.80

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	MODEL	G11FNW-PC
MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24 deg. C, 59%RH, 981 hPa	TESTED BY	Tony Chen

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	*2462.00	108.40 PK			1.11 H	268	78.30	30.10
1	*2462.00	102.20 AV			1.11 H	268	72.10	30.10
2	2483.50	55.40 PK	74.00	-18.60	1.02 H	360	25.20	30.10
2	2483.50	45.60 AV	54.00	-8.40	1.02 H	360	15.50	30.10
3	2688.00	50.30 PK	74.00	-23.70	1.24 H	230	19.60	30.70
4	4924.00	58.60 PK	74.00	-15.40	1.00 H	234	21.90	36.70
4	4924.00	47.60 AV	54.00	-6.40	1.00 H	234	10.90	36.70
5	7386.00	62.10 PK	74.00	-11.90	1.00 H	159	20.30	41.80
5	7386.00	53.00 AV	54.00	-1.00	1.00 H	159	11.20	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	2483.50	47.30 PK	74.00	-26.70	1.24 V	25	17.20	30.10
2	*2642.00	102.30 PK			1.46 V	113	71.80	30.60
2	*2642.00	94.40 AV			1.46 V	113	63.80	30.60
3	2688.00	49.80 PK	74.00	-24.20	1.30 V	256	19.10	30.70
4	4924.00	55.90 PK	74.00	-18.10	2.22 V	47	19.20	36.70
4	4924.00	45.00 AV	54.00	-9.00	2.22 V	47	8.30	36.70
5	7386.00	63.00 PK	74.00	-11.00	2.07 V	350	21.20	41.80
5	**7386.00**	**53.20 AV**	**54.00**	**-0.80**	**2.07 V**	**350**	**11.30**	**41.80**

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

4.2.8 TEST RESULTS – DSSS (Antenna 2)

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average(AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	**TESTED BY**	Tony Chen

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	48.60 PK	74.00	-25.40	1.02 H	360	18.80	29.80
2	*2412.00	102.50 PK			1.24 H	69	72.60	29.90
2	*2412.00	95.60 AV			1.24 H	69	65.70	29.90
3	2688.00	50.10 PK	74.00	-23.90	1.00 H	346	19.40	30.70
4	4824.00	51.90 PK	74.00	-22.10	1.56 H	321	15.60	36.20
4	4824.00	41.30 AV	54.00	-12.70	1.56 H	321	5.10	36.20
5	7236.00	56.10 PK	74.00	-17.90	1.24 H	235	14.40	41.70
5	7236.00	48.30 AV	54.00	-5.70	1.24 H	235	6.60	41.70

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	55.20 PK	74.00	-18.80	1.02 V	247	25.40	29.80
1	2390.00	44.80 AV	54.00	-9.20	1.02 V	247	15.00	29.80
2	*2412.00	107.30 PK			1.48 V	69	77.40	29.90
2	*2412.00	100.60 AV			1.48 V	69	70.70	29.90
3	2688.00	56.20 PK	74.00	-17.80	1.00 V	53	25.50	30.70
3	2688.00	52.00 AV	54.00	-2.00	1.00 V	53	21.30	30.70
4	4824.00	55.30 PK	74.00	-18.70	1.19 V	111	19.10	36.20
4	4824.00	44.80 AV	54.00	-9.20	1.19 V	111	8.60	36.20
5	7236.00	62.20 PK	74.00	-11.80	1.48 V	96	20.50	41.70
5	7236.00	51.70 AV	54.00	-2.30	1.48 V	96	10.00	41.70

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	MODEL	G11FNW-PC
MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	TESTED BY	Tony Chen

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	2386.00	45.80 PK	74.00	-28.20	1.24 H	233	16.00	29.80
2	*2437.00	101.20 PK			1.00 H	21	71.20	30.00
2	*2437.00	94.30 AV			1.00 H	21	64.30	30.00
3	2484.00	42.50 PK	74.00	-31.50	1.45 H	248	12.40	30.10
4	2688.00	50.20 PK	74.00	-23.80	1.03 H	357	19.50	30.70
5	4874.00	55.10 PK	74.00	-18.90	1.04 H	34	18.70	36.50
5	4874.00	43.20 AV	54.00	-10.80	1.04 H	34	6.70	36.50
6	7311.00	59.70 PK	74.00	-14.30	1.25 H	30	18.00	41.80
6	7311.00	49.80 AV	54.00	-4.20	1.25 H	30	8.00	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	2386.00	52.70 PK	74.00	-21.30	1.47 V	324	22.90	29.80
1	2386.00	41.30 AV	54.00	-12.70	1.47 V	324	11.50	29.80
2	*2437.00	108.60 PK			1.23 V	20	78.60	30.00
2	*2437.00	101.30 AV			1.23 V	20	71.30	30.00
3	2488.00	52.40 PK	74.00	-21.60	1.05 V	239	22.30	30.10
3	2488.00	41.30 AV	54.00	-12.70	1.05 V	239	11.20	30.10
4	2688.00	56.00 PK	74.00	-18.00	1.02 V	56	25.30	30.70
4	2688.00	52.30 AV	54.00	-1.70	1.02 V	56	21.60	30.70
5	4874.00	53.80 PK	74.00	-20.20	1.00 V	287	17.30	36.50
5	4874.00	44.10 AV	54.00	-9.90	1.00 V	287	7.60	36.50
6	7311.00	63.50 PK	74.00	-10.50	1.41 V	211	21.70	41.80
6	7311.00	52.90 AV	54.00	-1.10	1.41 V	211	11.10	41.80

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	MODEL	G11FNW-PC
MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	TESTED BY	Tony Chen

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	*2462.00	102.30 PK			1.00 H	214	72.20	30.10
1	*2462.00	95.10 AV			1.00 H	214	65.00	30.10
2	2483.50	48.40 PK	74.00	-25.60	1.04 H	245	18.20	30.10
3	2688.00	50.60 PK	74.00	-23.40	1.01 H	354	19.90	30.70
4	4924.00	45.30 PK	74.00	-28.70	1.07 H	235	8.60	36.70
5	7386.00	58.20 PK	74.00	-15.80	1.08 H	236	16.40	41.80
5	7386.00	48.30 AV	54.00	-5.70	1.08 H	236	6.50	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	*2462.00	109.90 PK			1.45 V	300	79.80	30.10
1	*2462.00	102.50 AV			1.45 V	300	72.40	30.10
2	2483.50	54.40 PK	74.00	-19.60	1.47 V	256	24.20	30.10
2	2483.50	45.90 AV	54.00	-8.10	1.47 V	256	15.80	30.10
3	2688.00	55.60 PK	74.00	-18.40	1.00 V	59	24.90	30.70
3	2688.00	52.50 AV	54.00	-1.50	1.00 V	59	21.80	30.70
4	4924.00	52.50 PK	74.00	-21.50	1.02 V	54	15.80	36.70
4	4924.00	42.30 AV	54.00	-11.70	1.02 V	54	5.60	36.70
5	7386.00	60.50 PK	74.00	-13.50	1.23 V	40	18.60	41.80
5	7386.00	52.10 AV	54.00	-1.90	1.23 V	40	10.30	41.80

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

4.2.9 TEST RESULTS – DSSS (Antenna 3)

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average(AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	**TESTED BY**	Tony Chen

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	43.20 PK	74.00	-30.80	1.47 H	211	13.40	29.80
2	*2412.00	97.70 PK			1.56 H	360	67.80	29.90
2	*2412.00	89.60 AV			1.56 H	360	59.70	29.90
3	2688.00	48.80 PK	74.00	-25.20	1.52 H	15	18.10	30.70
4	4824.00	51.70 PK	74.00	-22.30	1.00 H	2	15.50	36.20
4	4824.00	40.70 AV	54.00	-13.30	1.00 H	2	4.50	36.20
5	7236.00	55.80 PK	74.00	-18.20	1.15 H	203	14.20	41.70
5	7236.00	48.70 AV	54.00	-5.30	1.15 H	203	7.00	41.70

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	57.30 PK	74.00	-16.70	1.02 V	320	27.50	29.80
1	2390.00	47.10 AV	54.00	-6.90	1.02 V	320	17.30	29.80
2	*2412.00	109.90 PK			1.09 V	64	80.00	29.90
2	*2412.00	102.90 AV			1.09 V	64	73.00	29.90
3	2688.00	53.20 PK	74.00	-20.80	1.15 V	3	22.50	30.70
3	2688.00	49.50 AV	54.00	-4.50	1.15 V	3	18.80	30.70
4	4824.00	54.70 PK	74.00	-19.30	1.15 V	241	18.50	36.20
4	4824.00	44.20 AV	54.00	-9.80	1.15 V	241	8.00	36.20
5	7236.00	63.50 PK	74.00	-10.50	1.31 V	19	21.80	41.70
5	7236.00	52.20 AV	54.00	-1.80	1.31 V	19	10.50	41.70

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	MODEL	G11FNW-PC
MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	TESTED BY	Tony Chen

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	2380.00	46.40 PK	74.00	-27.60	1.28 H	101	16.70	29.70
2	*2437.00	101.10 PK			1.00 H	6	71.10	30.00
2	*2437.00	93.70 AV			1.00 H	6	63.70	30.00
3	2488.00	41.80 PK	74.00	-32.20	1.15 H	288	11.70	30.10
4	2688.00	47.50 PK	74.00	-26.50	1.54 H	7	16.80	30.70
5	4874.00	53.20 PK	74.00	-20.80	1.09 H	345	16.70	36.50
5	4874.00	42.80 AV	54.00	-11.20	1.09 H	345	6.40	36.50
6	7311.00	59.80 PK	74.00	-14.20	1.24 H	360	18.00	41.80
6	7311.00	50.10 AV	54.00	-3.90	1.24 H	360	8.40	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	53.80 PK	74.00	-20.20	1.09 V	303	24.00	29.80
1	2390.00	42.80 AV	54.00	-11.20	1.09 V	303	13.00	29.80
2	*2437.00	109.50 PK			1.00 V	11	79.50	30.00
2	*2437.00	102.40 AV			1.00 V	11	72.40	30.00
3	2488.00	50.20 PK	74.00	-23.80	1.06 V	16	20.10	30.10
4	2688.00	53.80 PK	74.00	-20.20	1.14 V	31	23.10	30.70
4	2688.00	50.00 AV	54.00	-4.00	1.14 V	31	19.30	30.70
5	4874.00	52.20 PK	74.00	-21.80	2.06 V	315	15.70	36.50
5	4874.00	44.30 AV	54.00	-9.70	2.06 V	315	7.90	36.50
6	7311.00	61.10 PK	74.00	-12.90	1.78 V	22	19.40	41.80
6	7311.00	52.60 AV	54.00	-1.40	1.78 V	22	10.90	41.80

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	MODEL	G11FNW-PC
MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	TESTED BY	Tony Chen

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	2378.00	43.70 PK	74.00	-30.30	1.34 H	335	14.00	29.70
2	*2462.00	97.20 PK			1.21 H	360	67.20	30.10
2	*2462.00	90.10 AV			1.21 H	360	60.00	30.10
3	2483.50	40.50 PK	74.00	-33.50	1.11 H	347	10.40	30.10
4	2688.00	47.60 PK	74.00	-26.40	1.52 H	11	16.90	30.70
5	4924.00	46.40 PK	74.00	-27.60	1.64 H	252	9.70	36.70
6	7386.00	60.50 PK	74.00	-13.50	1.87 H	250	18.60	41.80
6	7386.00	49.30 AV	54.00	-4.70	1.87 H	250	7.50	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	2384.00	54.80 PK	74.00	-19.20	1.42 V	123	25.00	29.80
1	2384.00	44.30 AV	54.00	-9.70	1.42 V	123	14.50	29.80
2	*2462.00	111.90 PK			1.42 V	140	81.80	30.10
2	*2462.00	103.60 AV			1.42 V	140	73.50	30.10
3	2483.50	55.00 PK	74.00	-19.00	1.33 V	154	24.90	30.10
3	2483.50	47.00 AV	54.00	-7.00	1.33 V	154	16.90	30.10
4	2688.00	54.00 PK	74.00	-20.00	1.14 V	23	23.30	30.70
4	2688.00	50.70 AV	54.00	-3.30	1.14 V	23	20.00	30.70
5	4924.00	50.40 PK	74.00	-23.60	1.87 V	194	13.70	36.70
6	7386.00	63.40 PK	74.00	-10.60	1.04 V	173	21.60	41.80
6	7386.00	53.00 AV	54.00	-1.00	1.04 V	173	11.20	41.80

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

4.2.10 TEST RESULTS –OFDM (Antenna 1)

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average(AV)
ENVIRONMENTAL CONDITIONS	27 deg. C, 58%RH, 981 hPa	**TESTED BY**	Tony Chen

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	59.60 PK	74.00	-14.40	1.20 H	241	29.80	29.80
1	2390.00	52.60 AV	54.00	-1.40	1.20 H	241	22.80	29.80
2	*2412.00	105.20 PK			1.13 H	326	75.30	29.90
2	*2412.00	97.40 AV			1.13 H	326	67.50	29.90
3	2688.00	48.20 PK	74.00	-25.80	1.00 H	339	17.50	30.70
4	4824.00	48.90 PK	74.00	-25.10	1.10 H	254	12.60	36.20
5	7236.00	56.70 PK	74.00	-17.30	1.19 H	201	15.00	41.70
5	7236.00	47.20 AV	54.00	-6.80	1.19 H	201	5.60	41.70

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	60.40 PK	74.00	-13.60	1.23 V	230	30.60	29.80
1	2390.00	51.80 AV	54.00	-2.20	1.23 V	230	22.00	29.80
2	*2412.00	107.10 PK			1.74 V	29	77.20	29.90
2	*2412.00	97.10 AV			1.74 V	29	67.20	29.90
3	2688.00	45.10 PK	74.00	-28.90	1.00 V	51	14.40	30.70
4	4824.00	47.40 PK	74.00	-26.60	1.89 V	287	11.20	36.20
5	7236.00	59.00 PK	74.00	-15.00	1.44 V	42	17.40	41.70
5	7236.00	48.80 AV	54.00	-5.20	1.44 V	42	7.10	41.70

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	MODEL	G11FNW-PC
MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	27 deg. C, 58%RH, 981 hPa	TESTED BY	Tony Chen

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	2376.00	56.40 PK	74.00	-17.60	1.56 H	20	26.70	29.70
1	2376.00	47.40 AV	54.00	-6.60	1.56 H	20	17.60	29.70
2	*2437.00	111.30 PK			1.13 H	326	81.30	30.00
2	*2437.00	102.00 AV			1.13 H	326	72.00	30.00
3	2688.00	50.20 PK	74.00	-23.80	1.00 H	345	19.50	30.70
4	4874.00	59.70 PK	74.00	-14.30	1.00 H	184	23.20	36.50
4	4874.00	48.00 AV	54.00	-6.00	1.00 H	184	11.50	36.50
5	7311.00	58.70 PK	74.00	-15.30	1.02 H	231	16.90	41.80
5	7311.00	51.20 AV	54.00	-2.80	1.02 H	231	9.40	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	2376.00	50.40 PK	74.00	-23.60	1.23 V	230	20.70	29.70
2	*2437.00	107.90 PK			1.74 V	29	77.90	30.00
2	*2437.00	98.70 AV			1.74 V	29	68.70	30.00
3	2688.00	45.80 PK	74.00	-28.20	1.05 V	59	15.10	30.70
4	4874.00	54.80 PK	74.00	-19.20	1.00 V	140	18.40	36.50
4	4874.00	42.10 AV	54.00	-11.90	1.00 V	140	5.60	36.50
5	7311.00	56.40 PK	74.00	-17.60	1.27 V	45	14.60	41.80
5	7311.00	50.30 AV	54.00	-3.70	1.27 V	45	8.60	41.80

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 11	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	27 deg. C, 58%RH, 981 hPa	**TESTED BY**	Tony Chen

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	*2462.00	108.20 PK			1.12 H	325	78.20	30.10
1	*2462.00	99.30 AV			1.12 H	325	69.30	30.10
2	2483.50	62.70 PK	74.00	-11.30	1.24 H	355	32.60	30.10
2	2483.50	53.10 AV	54.00	-0.90	1.24 H	355	23.00	30.10
3	2688.00	50.00 PK	74.00	-24.00	1.05 H	355	19.30	30.70
4	4924.00	59.60 PK	74.00	-14.40	1.07 H	301	22.90	36.70
4	4924.00	50.30 AV	54.00	-3.70	1.07 H	301	13.60	36.70
5	7386.00	63.30 PK	74.00	-10.70	1.00 H	191	21.40	41.80
5	7386.00	52.20 AV	54.00	-1.80	1.00 H	191	10.30	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	*2462.00	106.20 PK			1.30 V	44	76.20	30.10
1	*2462.00	97.40 AV			1.30 V	44	67.30	30.10
2	2483.50	58.40 PK	74.00	-15.60	1.02 V	236	28.20	30.10
2	2483.50	51.20 AV	54.00	-2.80	1.02 V	236	21.10	30.10
3	2688.00	44.70 PK	74.00	-29.30	1.05 V	65	14.00	30.70
4	4924.00	61.20 PK	74.00	-12.80	1.00 V	167	24.50	36.70
4	4924.00	45.60 AV	54.00	-8.40	1.00 V	167	8.90	36.70
5	7386.00	61.00 PK	74.00	-13.00	1.00 V	122	19.10	41.80
5	7386.00	48.80 AV	54.00	-5.20	1.00 V	122	6.90	41.80

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

4.2.11 TEST RESULTS –OFDM (Antenna 2)

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average(AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	**TESTED BY**	Tony Chen

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	57.40 PK	74.00	-16.60	1.02 H	360	27.60	29.80
1	2390.00	48.70 AV	54.00	-5.30	1.02 H	360	18.90	29.80
2	*2412.00	102.40 PK			1.17 H	30	72.50	29.90
2	*2412.00	94.20 AV			1.17 H	30	64.30	29.90
3	2688.00	41.70 PK	74.00	-32.30	1.00 H	350	11.00	30.70
4	4824.00	47.80 PK	74.00	-26.20	1.25 H	350	11.50	36.20
5	7236.00	53.60 PK	74.00	-20.40	1.22 H	314	11.90	41.70
5	7236.00	42.20 AV	54.00	-11.80	1.22 H	314	0.50	41.70

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	61.40 PK	74.00	-12.60	1.24 V	320	31.60	29.80
1	2390.00	52.70 AV	54.00	-1.30	1.24 V	320	22.90	29.80
2	*2412.00	106.90 PK			1.45 V	44	77.00	29.90
2	*2412.00	98.20 AV			1.45 V	44	68.30	29.90
3	2688.00	50.90 PK	74.00	-23.10	1.26 V	356	20.20	30.70
4	4824.00	59.40 PK	74.00	-14.60	1.24 V	63	23.10	36.20
4	4824.00	49.90 AV	54.00	-4.10	1.24 V	63	13.60	36.20
5	7236.00	59.90 PK	74.00	-14.10	1.20 V	23	18.20	41.70
5	7236.00	48.30 AV	54.00	-5.70	1.20 V	23	6.60	41.70

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	MODEL	G11FNW-PC
MODE	Channel 6	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	TESTED BY	Tony Chen

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	2356.00	47.40 PK	74.00	-26.60	1.23 H	102	17.70	29.70
2	*2437.00	106.50 PK			1.16 H	35	76.50	30.00
2	*2437.00	98.30 AV			1.16 H	35	68.30	30.00
3	2484.00	47.30 PK	74.00	-26.70	1.23 H	37	17.20	30.10
4	2688.00	45.50 PK	74.00	-28.50	1.00 H	11	14.80	30.70
5	4874.00	46.10 PK	74.00	-27.90	1.48 H	235	9.60	36.50
6	7311.00	53.20 PK	74.00	-20.80	1.17 H	38	11.50	41.80
6	7311.00	43.90 AV	54.00	-10.10	1.17 H	38	2.10	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	2356.00	55.70 PK	74.00	-18.30	1.39 V	87	26.00	29.70
1	2356.00	45.60 AV	54.00	-8.40	1.39 V	87	15.90	29.70
2	*2437.00	110.50 PK			1.54 V	23	80.50	30.00
2	*2437.00	101.20 AV			1.54 V	23	71.20	30.00
3	2484.00	51.30 PK	74.00	-22.70	1.02 V	247	21.10	30.10
3	2484.00	42.30 AV	54.00	-11.70	1.02 V	247	12.20	30.10
4	2688.00	56.20 PK	74.00	-17.80	1.25 V	356	25.50	30.70
4	2688.00	53.00 AV	54.00	-1.00	1.25 V	356	22.30	30.70
5	4874.00	63.30 PK	74.00	-10.70	1.11 V	192	26.80	36.50
5	4874.00	50.20 AV	54.00	-3.80	1.11 V	192	13.70	36.50
6	7311.00	61.40 PK	74.00	-12.60	1.87 V	193	19.60	41.80
6	7311.00	52.30 AV	54.00	-1.70	1.87 V	193	10.50	41.80

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	MODEL	G11FNW-PC
MODE	Channel 11	FREQUENCY RANGE	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	TESTED BY	Tony Chen

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	*2462.00	102.40 PK			1.19 H	25	72.30	30.10
1	*2462.00	93.70 AV			1.19 H	25	63.70	30.10
2	2483.50	58.60 PK	74.00	-15.40	1.20 H	300	28.40	30.10
2	2483.50	48.90 AV	54.00	-5.10	1.20 H	300	18.70	30.10
3	2688.00	44.50 PK	74.00	-29.50	1.02 H	23	13.80	30.70
4	4924.00	48.60 PK	74.00	-25.40	1.51 H	152	11.90	36.70
5	7386.00	57.70 PK	74.00	-16.30	1.42 H	159	15.80	41.80
5	7386.00	44.50 AV	54.00	-9.50	1.42 H	159	2.70	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	*2462.00	106.40 PK			1.38 V	47	76.30	30.10
1	*2462.00	98.30 AV			1.38 V	47	68.20	30.10
2	2483.50	61.30 PK	74.00	-12.70	1.25 V	36	31.20	30.10
2	2483.50	52.10 AV	54.00	-1.90	1.25 V	36	22.00	30.10
3	2688.00	52.20 PK	74.00	-21.80	1.25 V	356	21.50	30.70
3	2688.00	50.40 AV	54.00	-3.60	1.25 V	356	19.70	30.70
4	4924.00	63.80 PK	74.00	-10.20	1.14 V	291	27.10	36.70
4	4924.00	50.90 AV	54.00	-3.10	1.14 V	291	14.30	36.70
5	7386.00	63.10 PK	74.00	-10.90	1.25 V	124	21.30	41.80
5	7386.00	48.30 AV	54.00	-5.70	1.25 V	124	6.50	41.80

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

4.2.12 TEST RESULTS –OFDM (Antenna 3)

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 1	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average(AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	**TESTED BY**	Tony Chen

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	59.60 PK	74.00	-14.40	1.23 H	235	29.80	29.80
1	2390.00	49.70 AV	54.00	-4.30	1.23 H	235	19.90	29.80
2	*2412.00	99.70 PK			1.00 H	37	69.80	29.90
2	*2412.00	93.00 AV			1.00 H	37	63.10	29.90
3	2688.00	43.20 PK	74.00	-30.80	1.00 H	351	12.50	30.70
4	4824.00	42.40 PK	74.00	-31.60	1.57 H	201	6.20	36.20
5	7236.00	50.90 PK	74.00	-23.10	1.14 H	65	9.20	41.70

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	60.30 PK	74.00	-13.70	1.02 V	321	30.50	29.80
1	2390.00	52.80 AV	54.00	-1.20	1.02 V	321	23.00	29.80
2	*2412.00	107.10 PK			1.00 V	32	77.20	29.90
2	*2412.00	98.40 AV			1.00 V	32	68.50	29.90
3	2688.00	43.90 PK	74.00	-30.10	1.13 V	326	13.20	30.70
4	4824.00	45.70 PK	74.00	-28.30	1.00 V	329	9.50	36.20
5	7236.00	61.20 PK	74.00	-12.80	1.25 V	321	19.50	41.70
5	7236.00	50.20 AV	54.00	-3.80	1.25 V	321	8.50	41.70

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 6	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	**TESTED BY**	Tony Chen

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	2356.00	46.50 PK	74.00	-27.50	1.89 H	246	16.80	29.70
2	*2437.00	105.40 PK			1.26 H	210	75.40	30.00
2	*2437.00	97.30 AV			1.26 H	210	67.30	30.00
3	2492.00	44.40 PK	74.00	-29.60	1.69 H	254	14.20	30.20
4	2688.00	45.00 PK	74.00	-29.00	1.03 H	230	14.30	30.70
5	4874.00	53.80 PK	74.00	-20.20	1.48 H	2	17.30	36.50
5	4874.00	43.20 AV	54.00	-10.80	1.48 H	2	6.70	36.50
6	7311.00	61.50 PK	74.00	-12.50	1.43 H	99	19.70	41.80
6	7311.00	46.90 AV	54.00	-7.10	1.43 H	99	5.10	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	2356.00	52.80 PK	74.00	-21.20	1.07 V	0	23.10	29.70
1	2356.00	45.80 AV	54.00	-8.20	1.07 V	0	16.20	29.70
2	*2437.00	111.20 PK			1.02 V	36	81.20	30.00
2	*2437.00	102.80 AV			1.02 V	36	72.80	30.00
3	2483.50	49.90 PK	74.00	-24.10	1.00 V	26	19.70	30.10
4	2688.00	53.90 PK	74.00	-20.10	1.12 V	328	23.20	30.70
4	2688.00	50.40 AV	54.00	-3.60	1.12 V	328	19.70	30.70
5	4874.00	59.10 PK	74.00	-14.90	1.40 V	112	22.60	36.50
5	4874.00	48.30 AV	54.00	-5.70	1.40 V	112	11.80	36.50
6	7311.00	58.80 PK	74.00	-15.20	1.43 V	360	17.00	41.80
6	7311.00	52.60 AV	54.00	-1.40	1.43 V	360	10.90	41.80

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

EUT	802.11b/g Cardbus	**MODEL**	G11FNW-PC
MODE	Channel 11	**FREQUENCY RANGE**	1000~25000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 50%RH, 981 hPa	**TESTED BY**	Tony Chen

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	*2462.00	97.40 PK			2.03 H	360	67.30	30.10
1	*2462.00	90.50 AV			2.03 H	360	60.40	30.10
2	2483.50	53.30 PK	74.00	-20.70	2.01 H	230	23.10	30.10
2	2483.50	44.30 AV	54.00	-9.70	2.01 H	230	14.20	30.10
3	2688.00	42.50 PK	74.00	-31.50	1.00 H	323	11.80	30.70
4	4924.00	62.00 PK	74.00	-12.00	1.44 H	318	25.30	36.70
4	4924.00	45.30 AV	54.00	-8.70	1.44 H	318	8.60	36.70
5	7390.00	54.50 PK	74.00	-19.50	2.08 H	310	12.70	41.80
5	7390.00	46.50 AV	54.00	-7.50	2.08 H	310	4.70	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	*2462.00	107.20 PK			1.03 V	204	77.20	30.10
1	*2462.00	99.40 AV			1.03 V	204	69.30	30.10
2	2483.50	61.00 PK	74.00	-13.00	1.23 V	21	30.90	30.10
2	**2483.50**	**53.20 AV**	**54.00**	**-0.80**	**1.23 V**	**21**	**23.10**	**30.10**
3	2688.00	49.40 PK	74.00	-24.60	1.09 V	323	18.70	30.70
4	4924.00	51.60 PK	74.00	-22.40	1.68 V	320	15.00	36.70
4	4924.00	40.30 AV	54.00	-13.70	1.68 V	320	3.60	36.70
5	7386.00	61.00 PK	74.00	-13.00	1.99 V	90	19.20	41.80
5	7386.00	46.30 AV	54.00	-7.70	1.99 V	90	4.50	41.80

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB)
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. The limit value is defined as per 15.247
6. " * " : Fundamental frequency

4.3 6dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP	1093.4495.30	Dec. 19, 2004

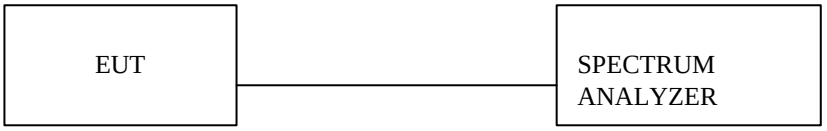
NOTE:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
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 through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 kHz RBW and 100 kHz VBW. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.

4.3.4 TEST SETUP



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

4.3.5 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.