



FCC TEST REPORT

REPORT NO.: RF930120R01

MODEL NO.: WRTB-110G

RECEIVED: January 19, 2004

TESTED: January 19, 2004 ~ February 4, 2004

APPLICANT: GEMTEK TECHNOLOGY CO.,LTD.

ADDRESS: No.1 Jen Ai Road, Hsinchu industrial Park
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ISSUED BY: Advance Data Technology Corporation

LAB LOCATION: 47 14th Lin, Chiapau Tsun, Linko, Taipei,
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ILAC MRA



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1 CERTIFICATION

PRODUCT : Wireless-G Broadband Router
MODEL NO.: WRTB-110G
BRAND: Gemtek
APPLICANT : GEMTEK TECHNOLOGY CO.,LTD.
TEST ITEM: ENGINEERING SAMPLE
STANDARDS : FCC 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 January 19, 2004 to February 4, 2004. 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: Wendy Liao, **DATE:** February 5, 2004
Wendy Liao

APPROVED BY: Ellis Wu, **DATE:** February 5, 2004
Ellis Wu / Manager



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 -16.67dB at 0.396MHz
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 -0.45dB at 1641.00MHz
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

NOTE: The information of measurement uncertainty is available upon the customer's request.



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Wireless-G Broadband Router
MODEL NO.	WRTB-110G
POWER SUPPLY	12Vdc from power adapter
MODULATION TYPE	BPSK, QPSK, CCK, 16QAM, 64QAM
MODULATION TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	54/48/36/24/18/12/11/9/6/5.5/2/1Mbps
FREQUENCY RANGE	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11
MAXIMUM OUTPUT POWER	16.02dBm
ANTENNA TYPE	Dipole antenna with 1.8dBi gain
DATA CABLE	NA
I/O PORTS	RJ45
ASSOCIATED DEVICES	NA

NOTE:

1. The EUT was tested with the following adapter:

BRAND:	Potrans Electrical Corporation
MODEL :	WD411200500
INPUT :	120Vac, 60Hz, 11W
OUTPUT :	12Vdc, 500mA

2. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 54Mbps.
3. The EUT complies with IEEE 802.11g draft standards, and backwards compatible with IEEE 802.11b products.
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 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		

NOTE:

1. Below 1GHz, the channel 1, 6, and 11 were pre-tested in chamber. The channel 11, worst case one, was chosen for final test.
2. Above 1GHz, the channel 1, 6, and 11 were tested individually.
3. Transfer rate, 11Mbps with CCK technique and 6Mbps with OFDM technique, worst cases, were chosen for final test.
4. Two test results were presented in the following sections, the test result A was for CCK technique and the test result B was for OFDM technique.

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a Wireless-G Broadband Router. 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 C63.4-1992

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

NOTE: The EUT has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.



3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

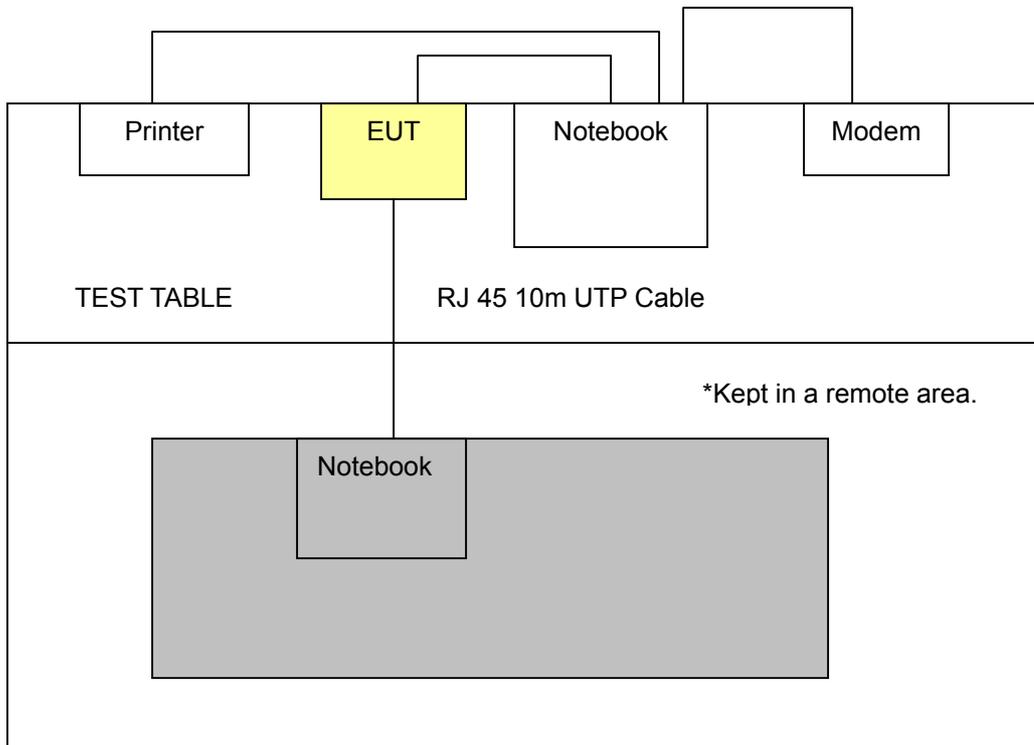
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK (for Radiation)	Dell	PP01L	TW-09C748- 12800-16M-5064	FCC DoC Approved
2	NOTEBOOK (for Conduction)	Dell	PP05L	24729091408	FCC DoC Approved
3	NOTEBOOK	COMPAQ	Evo N800c	PP2130	FCC DoC Approved
4	MODEM	ACEEX	1414	980020536	IFAXDM1414
5	PRINTER	EPSON	LQ-300+	DCGY017096	FCC DoC Approved

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	NA
3	NA
4	1.2 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame, w/o core.
5	1.2m braid shielded wire, terminated with DB25 and Centronics connector via metallic frame, w/o core

- NOTE:**
1. All power cords of the above support units are non shielded (1.8m).
 2. Item 3 act as a communication partner to transfer data.



3.5 CONFIGURATION OF SYSTEM UNDER TEST



4 TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	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
ROHDE & SCHWARZ Test Receiver	ESCS 30	838251/021	Jan. 04, 2005
ROHDE & SCHWARZ Artificial Mains Network (for EUT)	ESH3-Z5	100218	Dec. 09, 2004
ROHDE & SCHWARZ Artificial Mains Network (for peripherals)	ESH3-Z5	100219	Dec. 09, 2004
ROHDE & SCHWARZ Artificial Mains Network (for peripherals)	ESH3-Z5	100220	Dec. 09, 2004
*ROHDE & SCHWARZ 4-wire ISN	ENY41	837032/016	Nov. 19, 2004
*ROHDE & SCHWARZ 2-wire ISN	ENY22	837497/016	Nov. 19, 2004
Software	Cond-V2M3	NA	NA
RF cable (JYEBAO)	5D-FB	Cable-C10.01	May 01, 2004
SUHNER Terminator (For ROHDE & SCHWARZ LISN)	65BNC-5001	E1-010770	Mar. 24, 2004
SUHNER Terminator (For ROHDE & SCHWARZ LISN)	65BNC-5001	E1-010773	Apr. 06, 2004

- 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. “*”: These equipment are used for conducted telecom port test only (if tested).
 3. The test was performed in ADT Shielded Room No. 10.
 4. The VCCI Site Registration No. is C-1312.



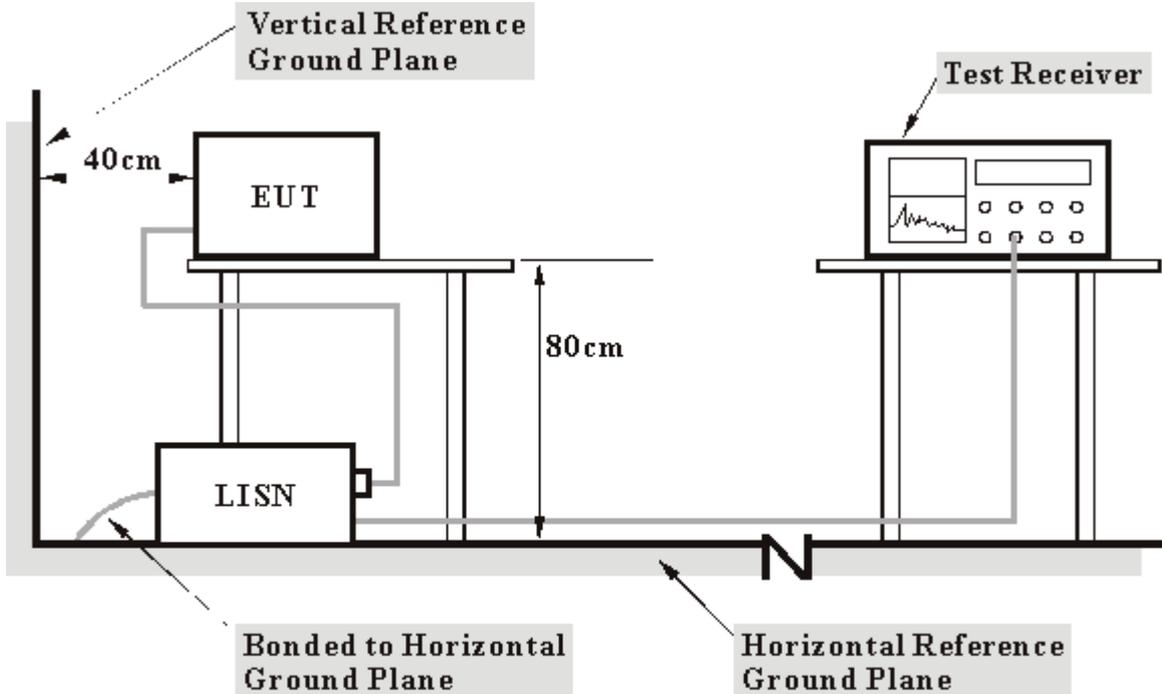
4.1.3 TEST PROCEDURES

- 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 of the prescribed limits could not be reported.

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) 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.

4.1.6 EUT OPERATING CONDITIONS

- a. Plug the EUT a notebook computer system placed on a testing table.
- b. The notebook system ran a test program to enable EUT under transmission/receiving condition continuously at specific channel frequency.
- c. The notebook system sent "H" messages to its screen.
- d. The notebook system sent "H" messages to modem.
- e. The notebook system sent "H" messages to printer, and the printer prints them on paper.
- f. Repeated c ~ e.

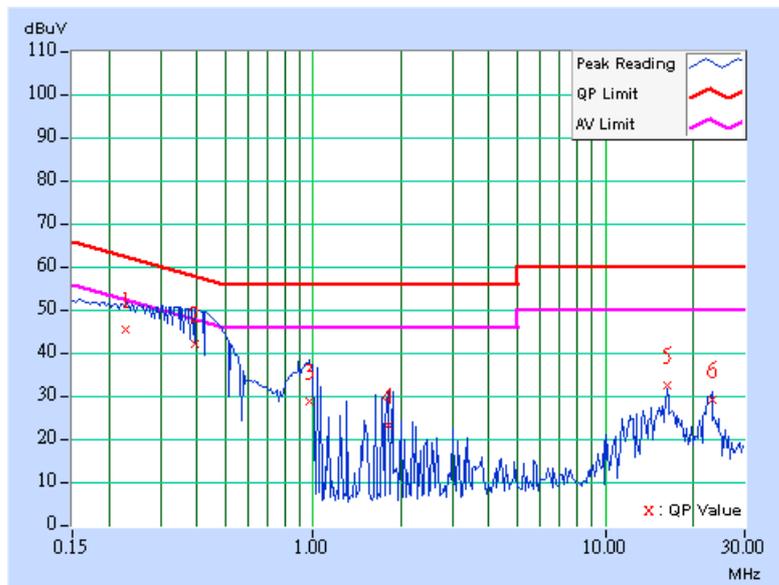


4.1.7 TEST RESULTS

EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
MODE	Channel 1	6dB BANDWIDTH	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa	TESTED BY: Steven Lu	

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	0.228	0.10	44.33	-	44.43	-	62.52	52.52	-18.09	-
2	0.396	0.10	41.16	-	41.26	-	57.93	47.93	-16.67	-
3	0.974	0.20	27.68	-	27.88	-	56.00	46.00	-28.12	-
4	1.805	0.20	22.15	-	22.35	-	56.00	46.00	-33.65	-
5	16.230	0.82	31.41	-	32.23	-	60.00	50.00	-27.77	-
6	23.129	1.09	28.02	-	29.11	-	60.00	50.00	-30.89	-

- 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.

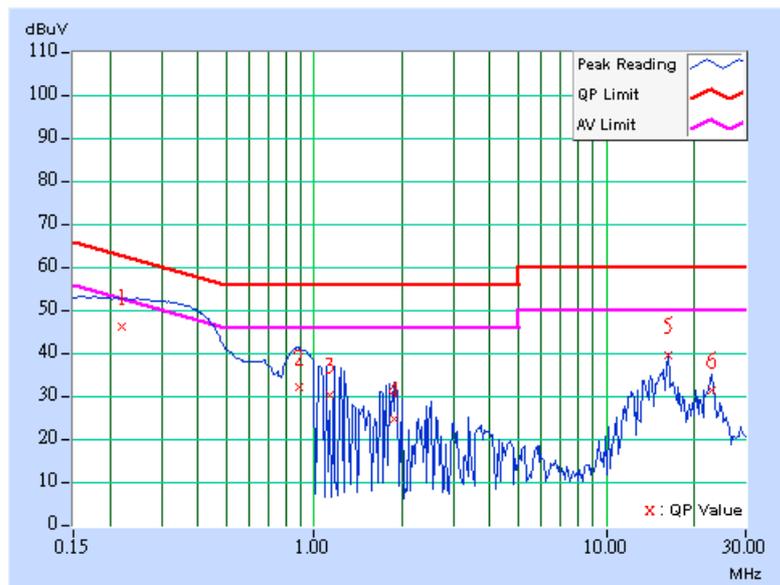




EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
MODE	Channel 1	6dB BANDWIDTH	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa	TESTED BY: Steven Lu	

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	0.221	0.10	45.34	-	45.44	-	62.78	52.78	-17.34	-
2	0.884	0.18	31.38	-	31.56	-	56.00	46.00	-24.44	-
3	1.132	0.20	29.56	-	29.76	-	56.00	46.00	-26.24	-
4	1.887	0.20	23.98	-	24.18	-	56.00	46.00	-31.82	-
5	16.230	0.72	38.77	-	39.49	-	60.00	50.00	-20.51	-
6	22.930	0.92	30.61	-	31.53	-	60.00	50.00	-28.47	-

- 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.

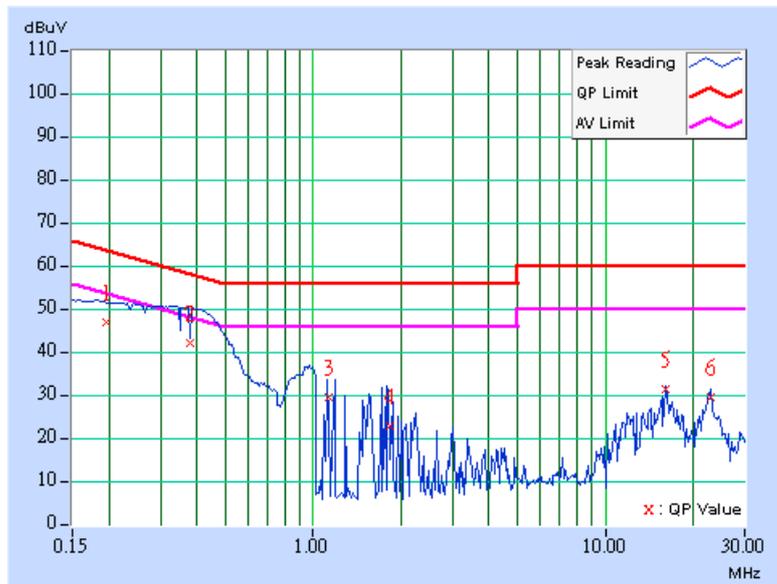




EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
MODE	Channel 6	6dB BANDWIDTH	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa	TESTED BY: Steven Lu	

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	45.87	-	45.97	-	63.74	53.74	-17.77	-
2	0.377	0.10	41.29	-	41.39	-	58.33	48.33	-16.94	-
3	1.127	0.20	28.41	-	28.61	-	56.00	46.00	-27.39	-
4	1.835	0.20	22.05	-	22.25	-	56.00	46.00	-33.75	-
5	16.168	0.82	30.31	-	31.13	-	60.00	50.00	-28.87	-
6	22.992	1.08	28.50	-	29.58	-	60.00	50.00	-30.42	-

- 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.

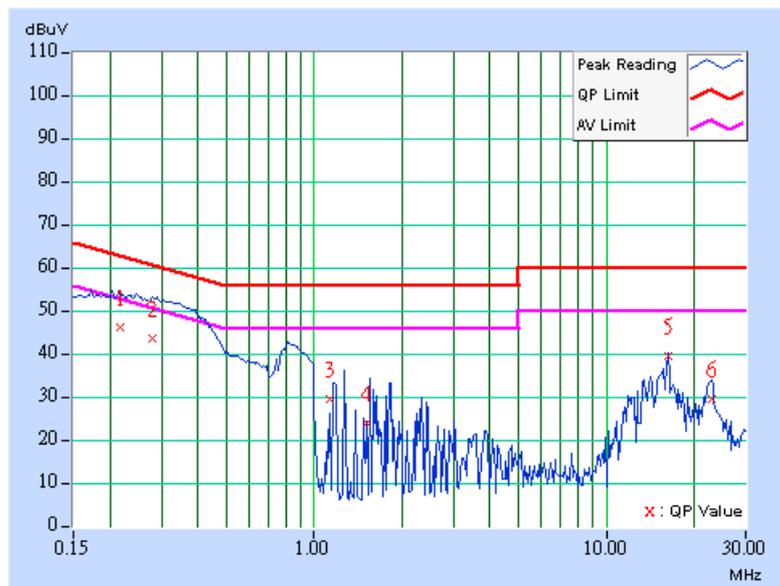




EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
MODE	Channel 6	6dB BANDWIDTH	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa	TESTED BY: Steven Lu	

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.216	0.10	45.32	-	45.42	-	62.96
2	0.279	0.10	42.94	-	43.04	-	60.85	50.85	-17.81	-
3	1.128	0.20	28.62	-	28.82	-	56.00	46.00	-27.18	-
4	1.508	0.20	23.25	-	23.45	-	56.00	46.00	-32.55	-
5	16.230	0.72	38.75	-	39.47	-	60.00	50.00	-20.53	-
6	22.988	0.92	28.74	-	29.66	-	60.00	50.00	-30.34	-

- 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.

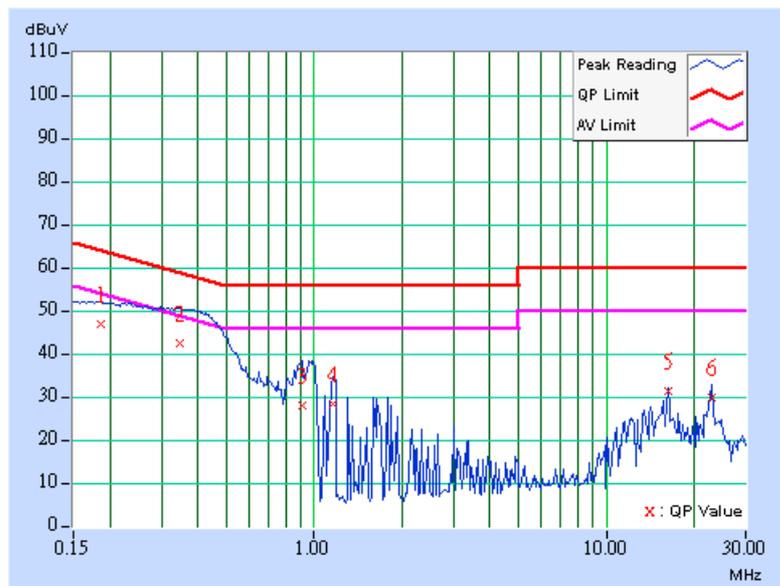




EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
MODE	Channel 11	6dB BANDWIDTH	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa	TESTED BY: Steven Lu	

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.185	0.10	45.99	-	46.09	-	64.25
2	0.345	0.10	41.45	-	41.55	-	59.07	49.07	-17.52	-
3	0.908	0.18	26.91	-	27.09	-	56.00	46.00	-28.91	-
4	1.160	0.20	27.34	-	27.54	-	56.00	46.00	-28.46	-
5	16.230	0.82	30.26	-	31.08	-	60.00	50.00	-28.92	-
6	22.992	1.08	28.94	-	30.02	-	60.00	50.00	-29.98	-

- 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.

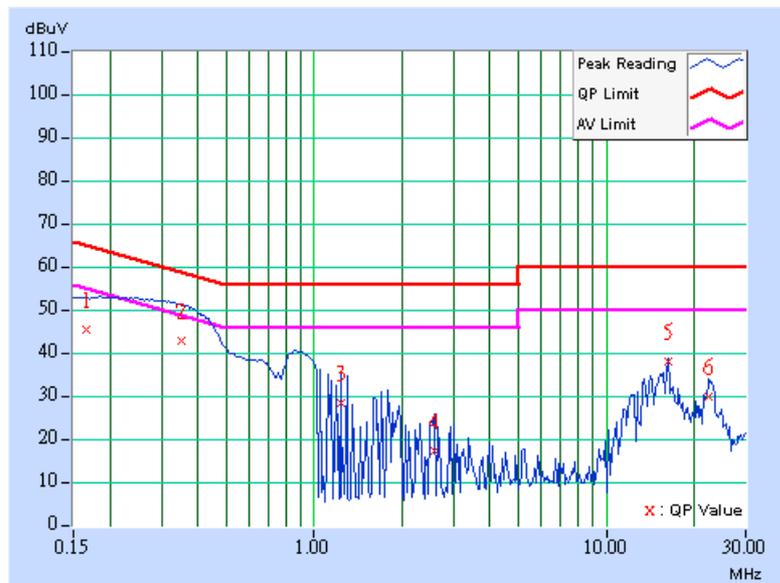




EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
MODE	Channel 11	6dB BANDWIDTH	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa	TESTED BY: Steven Lu	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.166	0.10	44.80	-	44.90	-	65.18
2	0.349	0.10	42.05	-	42.15	-	58.98	48.98	-16.83	-
3	1.230	0.20	27.63	-	27.83	-	56.00	46.00	-28.17	-
4	2.574	0.23	16.64	-	16.87	-	56.00	46.00	-39.13	-
5	16.230	0.72	37.34	-	38.06	-	60.00	50.00	-21.94	-
6	22.457	0.90	28.93	-	29.83	-	60.00	50.00	-30.17	-

- 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
* HP Spectrum Analyzer	8590L	3544A01176	Jun. 10, 2004
* HP Preamplifier	8447D	2944A08485	May 01, 2004
* HP Spectrum Analyzer	8593E	3926A04191	Mar. 24, 2004
* HP Preamplifier	8449B	3008A01292	Aug. 13, 2004
ROHDE & SCHWARZ TEST RECEIVER	ESI7	838496/016	Feb. 23, 2004
* ROHDE & SCHWARZ TEST RECEIVER	ESMI	839013/007 839379/002	Feb. 13, 2004
SCHAFFNER Tunable Dipole Antenna	VHBA 9123	459	Jun. 26, 2004
SCHWARZBECK Tunable Dipole Antenna	UHA 9105	977	
* CHASE BILOG Antenna	CBL6112A	2221	Jul. 26, 2004
* SCHWARZBECK Horn Antenna	BBHA9120-D1	D130	Jun. 30, 2004
* Broadband Horn Antenna	BBHA 9170	212	May 30, 2004
* EMCO Turn Table	1060	1115	NA
* CHANCE Tower	CM-AT40	CM-A010	NA
* Software	ADT_Radiated_V5.14	NA	NA
* ANRITSU RF Switches	MP59B	M35046	Jan. 04, 2005
* TIMES RF cable	LMR-600	CABLE-ST5-01	Jan. 04, 2005

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. "*" = 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. 5.
5. The VCCI Site Registration No. is R-1039



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.

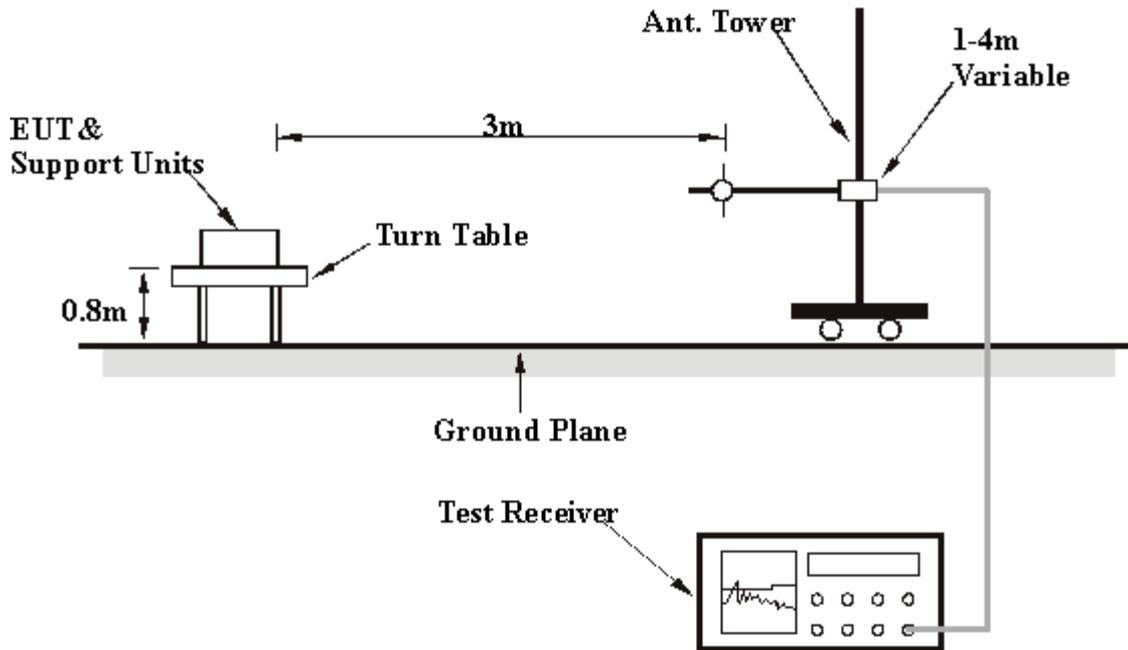
NOTE:

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 10 Hz for Average detection (AV) at frequency above 1GHz.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



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

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6



4.2.7. TEST RESULTS

EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
MODE	Channel 11	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	16 deg. C, 68 % RH, 991hPa	TESTED BY: Vincent Lin	

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	125.03	32.59 QP	43.50	-10.91	1.15 H	49	20.03	12.56
2	250.03	42.10 QP	46.00	-3.90	1.45 H	270	28.73	13.37
3	300.03	43.10 QP	46.00	-2.90	1.22 H	339	27.68	15.42
4	350.30	40.94 QP	46.00	-5.06	1.46 H	334	24.70	16.24
5	375.02	35.26 QP	46.00	-10.74	1.25 H	216	18.10	17.16
6	400.03	37.52 QP	46.00	-8.48	1.00 H	326	19.44	18.08
7	436.60	41.71 QP	46.00	-4.29	1.30 H	48	23.34	18.37
8	450.60	34.79 QP	46.00	-11.21	1.30 H	119	16.29	18.50
9	500.07	40.69 QP	46.00	-5.31	1.00 H	307	20.77	19.92
10	550.30	37.01 QP	46.00	-8.99	1.00 H	113	16.46	20.55
11	600.07	37.10 QP	46.00	-8.90	1.00 H	124	15.34	21.76
12	625.08	39.19 QP	46.00	-6.81	1.67 H	125	17.30	21.89
13	645.25	35.81 QP	46.00	-10.19	1.51 H	213	13.82	21.99
14	675.22	34.85 QP	46.00	-11.15	1.29 H	119	12.70	22.15
15	900.12	31.56 QP	46.00	-14.44	1.00 H	248	7.38	24.18

- 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	Wireless-G Broadband Router	MODEL	WRTB-110G
MODE	Channel 11	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	16 deg. C, 68 % RH, 991hPa	TESTED BY: Vincent Lin	

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	75.01	32.17 QP	40.00	-7.83	1.00 V	125	25.02	7.15
2	125.01	40.37 QP	43.50	-3.13	1.00 V	41	27.81	12.56
3	150.01	35.29 QP	43.50	-8.21	1.00 V	189	24.09	11.20
4	175.01	35.12 QP	43.50	-8.38	1.00 V	239	25.00	10.12
5	200.00	38.86 QP	43.50	-4.64	1.00 V	225	28.55	10.31
6	250.03	41.43 QP	46.00	-4.57	1.10 V	321	28.06	13.37
7	275.01	40.86 QP	46.00	-5.14	1.00 V	121	26.00	14.86
8	300.01	40.14 QP	46.00	-5.86	1.00 V	157	24.72	15.42
9	350.02	40.01 QP	46.00	-5.99	1.55 V	299	23.78	16.23
10	375.00	36.23 QP	46.00	-9.77	1.00 V	189	19.07	17.16
11	400.02	34.67 QP	46.00	-11.33	1.00 V	212	16.59	18.08
12	500.04	39.04 QP	46.00	-6.96	4.00 V	108	19.12	19.92
13	700.04	35.86 QP	46.00	-10.14	1.60 V	294	13.57	22.29
14	800.01	33.88 QP	46.00	-12.12	1.69 V	292	10.55	23.33

- 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.



4.2.8. TEST RESULTS (A)

EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60 % RH, 991hPa	TESTED BY	Steven Lu

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	1300.00	46.86 PK	74.00	-27.14	1.10 H	328	16.98	29.88
2	1608.00	45.73 AV	54.00	-28.27	1.10 H	318	14.54	31.19
3	2390.00	50.19 PK	74.00	-23.81	1.95 H	140	17.32	32.87
3	2390.00	42.48 AV	54.00	-11.52	1.95 H	140	9.61	32.87
4	*2412.00	107.81 PK			1.95 H	40	74.89	32.92
4	*2412.00	99.72 AV			1.95 H	40	66.80	32.92
5	3216.00	47.04 PK	74.00	-26.96	1.01 H	198	11.19	35.85
6	4824.00	50.05 PK	74.00	-23.95	1.40 H	41	10.16	39.89
6	4824.00	43.15 AV	54.00	-10.85	1.40 H	41	3.26	39.89

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	1300.00	45.90 PK	74.00	-28.10	1.42 V	214	16.02	29.88
2	1608.00	49.36 PK	74.00	-24.64	1.25 V	85	18.17	31.19
3	2390.00	22.36 PK	74.00	-18.77	1.25 V	108	22.36	32.87
3	2390.00	15.53 AV	54.00	-5.60	1.25 V	108	15.53	32.87
4	*2412.00	112.46 PK			1.25 V	108	79.54	32.92
4	*2412.00	105.43 AV			1.25 V	108	72.51	32.92
5	3216.00	50.05 PK	74.00	-23.95	1.23 V	322	14.20	35.85
5	3216.00	44.85 AV	54.00	-9.15	1.23 V	322	9.00	35.85
6	4824.00	54.25 PK	74.00	-19.75	1.23 V	220	14.36	39.89
6	4824.00	50.76 AV	54.00	-3.24	1.23 V	220	10.87	39.89
7	9648.00	54.98 PK	74.00	-19.02	1.45 V	145	6.67	48.31
7	9648.00	42.00 AV	54.00	-12.00	1.45 V	145	-6.31	48.31

- 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. “ * “ : Fundamental frequency.



EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60 % RH, 991hPa	TESTED BY	Steven Lu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3M								
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	1300.00	47.85 PK	74.00	-26.15	1.20 H	312	17.97	29.88
2	1624.00	46.85 PK	74.00	-27.15	1.10 H	300	15.59	31.26
3	*2437.00	106.48PK			1.35 H	120	73.55	32.93
3	*2437.00	99.82 AV			1.35 H	120	66.89	32.93
4	3248.00	48.52 PK	74.00	-25.48	1.00 H	200	12.60	35.92
5	4874.00	51.63 PK	74.00	-22.37	1.40 H	44	11.56	40.07
5	4874.00	44.50 AV	54.00	-9.50	1.40 H	44	4.43	40.07

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3M								
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	1300.00	45.95 PK	74.00	-28.05	1.42 V	211	16.07	29.88
2	1624.00	50.24 PK	74.00	-23.76	1.25 V	100	18.98	31.26
3	*2437.00	112.04 PK			1.40 V	288	79.11	32.93
3	*2437.00	104.39AV			1.40 V	288	71.46	32.93
4	3248.00	51.32 PK	74.00	-22.68	1.44 V	200	15.40	35.92
4	3248.00	45.85 AV	54.00	-8.15	1.44 V	200	9.93	35.92
5	4874.00	55.85 PK	74.00	-18.15	1.23 V	200	15.78	40.07
5	4874.00	51.11 AV	54.00	-2.89	1.23 V	200	11.04	40.07
6	9748.00	55.02 PK	74.00	-18.98	1.44 V	150	6.49	48.53
6	9748.00	43.24 AV	54.00	-10.76	1.44 V	150	-5.29	48.53

- 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. “ * “ : Fundamental frequency.



EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60 % RH, 991hPa	TESTED BY	Steven Lu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3M								
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	1300.00	46.85 PK	74.00	-27.15	1.10 H	324	16.97	29.88
2	1641.00	47.52 PK	74.00	-26.48	1.10 H	310	16.19	31.33
3	*2462.00	107.97 PK			2.10 H	84	75.02	32.95
3	*2462.00	100.77 AV			2.10 H	84	67.82	32.95
4	2483.50	50.74 PK	74.00	-23.26	2.10 H	84	17.78	32.96
4	2483.50	43.50 AV	54.00	-10.50	2.10 H	84	10.54	32.96
5	3284.00	48.63 PK	74.00	-28.37	1.02 H	210	12.63	36.00
6	4924.00	51.32 PK	74.00	-22.68	1.40 H	47	11.15	40.17
6	4924.00	44.04 AV	54.00	-9.96	1.40 H	47	3.87	40.17

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3M								
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	1300.00	47.26 PK	74.00	-26.74	1.11 V	270	17.38	29.88
2	1641.00	49.80 PK	74.00	-24.20	1.11 V	8	18.47	31.33
3	*2462.00	112.78 PK			1.60 V	276	79.83	32.95
3	*2462.00	105.34 AV			1.60 V	276	72.39	32.95
4	2483.50	55.51 PK	74.00	-18.49	1.60 V	276	22.55	32.96
4	2483.50	48.07 AV	54.00	-5.93	1.60 V	276	15.11	32.96
5	3284.00	47.37 PK	74.00	-26.63	1.37 V	265	11.37	36.00
6	4924.00	55.24 PK	74.00	-18.76	1.08 V	258	15.07	40.17
6	4924.00	51.32 AV	54.00	-2.68	1.08 V	258	11.15	40.17
7	9848.00	55.32 PK	74.00	-18.68	1.45 V	112	6.48	48.84
7	9848.00	43.74 AV	54.00	-10.26	1.45 V	112	-5.10	48.84

- 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. “ * “ : Fundamental frequency.



4.2.9. TEST RESULTS (B)

EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60 % RH, 991hPa	TESTED BY	Steven Lu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3M								
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	1100.00	54.38 PK	74.00	-19.62	1.00 H	72	24.02	30.36
1	1100.00	48.89 AV	54.00	-5.11	1.00 H	72	18.53	30.36
2	1300.00	53.43 PK	74.00	-20.57	1.70 H	105	23.55	29.88
2	1300.00	48.90 AV	54.00	-5.10	1.70 H	105	19.02	29.88
3	1608.00	51.98 PK	74.00	-22.02	1.60 H	264	20.79	31.19
3	1608.00	45.73 AV	54.00	-8.27	1.60 H	264	14.54	31.19
4	2390.00	48.79 PK	74.00	-25.21	1.00 H	122	15.92	32.87
4	2390.00	41.07 AV	54.00	-12.93	1.00 H	122	8.20	32.87
5	*2412.00	102.15 PK			1.00 H	122	69.23	32.92
5	*2412.00	94.43 AV			1.00 H	122	61.51	32.92
6	3216.00	55.20 PK	74.00	-18.80	1.00 H	197	19.35	35.85
6	3216.00	45.83 AV	54.00	-8.17	1.00 H	197	9.98	35.85

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3M								
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	1100.00	54.57 PK	74.00	-19.43	1.20 V	269	24.21	30.36
1	1100.00	49.30 AV	54.00	-4.70	1.20 V	269	18.94	30.36
2	1300.00	56.39 PK	74.00	-17.61	1.02 V	226	26.51	29.88
2	1300.00	51.65 AV	54.00	-2.35	1.02 V	226	21.77	29.88
3	1608.00	54.40 PK	74.00	-19.60	1.00 V	223	23.21	31.19
3	1608.00	50.64 AV	54.00	-3.36	1.00 V	223	19.45	31.19
4	2390.00	57.55 PK	74.00	-16.45	1.00 V	342	24.68	32.87
4	2390.00	50.18 AV	54.00	-3.82	1.00 V	342	17.31	32.87
5	*2412.00	110.91 PK			1.00 V	342	77.99	32.92
5	*2412.00	103.54 AV			1.00 V	342	70.62	32.92
6	3216.00	56.81 PK	74.00	-17.19	1.00 V	272	20.96	35.85
6	3216.00	50.54 AV	54.00	-3.46	1.00 V	272	14.69	35.85

- 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. “ * ” : Fundamental frequency.



EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60 % RH, 991hPa	TESTED BY	Steven Lu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3M								
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	1100.00	53.57 PK	74.00	-20.43	1.00 H	70	23.21	30.36
1	1100.00	47.89 AV	54.00	-6.11	1.00 H	70	17.53	30.36
2	1300.00	52.74 PK	74.00	-21.26	1.24 H	273	22.86	29.88
2	1300.00	48.00 AV	54.00	-6.00	1.24 H	273	18.12	29.88
3	1624.00	54.09 PK	74.00	-19.91	1.06 H	86	22.83	31.26
3	1624.00	51.01 AV	54.00	-2.99	1.06 H	86	19.75	31.26
4	*2437.00	101.43 PK			1.06 H	86	68.50	32.93
4	*2437.00	94.52 AV			1.06 H	86	61.59	32.93
5	3248.00	54.36 PK	74.00	-19.64	1.00 H	201	18.44	35.92
5	3248.00	45.34 AV	54.00	-8.66	1.00 H	201	9.42	35.92

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3M								
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	1100.00	53.23 PK	74.00	-20.77	1.12 V	247	22.87	30.36
1	1100.00	47.96 AV	54.00	-6.04	1.12 V	247	17.60	30.36
2	1300.00	55.25 PK	74.00	-18.75	1.32 V	224	25.37	29.88
2	1300.00	49.21 AV	54.00	-4.79	1.32 V	224	19.33	29.88
3	1624.00	56.39 PK	74.00	-17.61	1.00 V	0	25.13	31.26
4	*2437.00	110.04 PK			1.00 V	340	77.11	32.93
4	*2437.00	101.94 AV			1.00 V	340	69.01	32.93
5	3247.00	54.97 PK	74.00	-19.03	1.00 V	360	19.05	35.92
5	3247.00	47.33 AV	54.00	-6.67	1.00 V	360	11.41	35.92

- 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. “ * “ : Fundamental frequency.



EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~25GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25 deg. C, 60 % RH, 991hPa	TESTED BY	Steven Lu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3M								
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	1100.00	53.24 PK	74.00	-20.76	1.00 H	69	22.88	30.36
1	1100.00	47.67 AV	54.00	-6.33	1.00 H	69	17.31	30.36
2	1300.00	53.14 PK	74.00	-20.86	1.35 H	326	23.26	29.88
2	1300.00	48.72 AV	54.00	-5.28	1.35 H	326	18.84	29.88
3	1641.00	54.42 PK	74.00	-19.58	1.00 H	88	23.09	31.33
3	1641.00	50.02 AV	54.00	-3.98	1.00 H	88	18.69	31.33
4	*2462.00	101.64 PK			1.35 H	326	68.69	32.95
4	*2462.00	93.87 AV			1.35 H	326	60.92	32.95
5	2483.50	47.37 PK	74.00	-26.63	1.35 H	326	14.41	32.96
6	3282.00	53.71 PK	74.00	-20.29	1.00 H	196	17.72	35.99
6	3282.00	44.00 AV	54.00	-10.00	1.00 H	196	8.01	35.99

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3M								
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	1100.00	51.73 PK	74.00	-22.27	1.07 V	278	21.37	30.36
1	1100.00	47.31 AV	54.00	-6.69	1.07 V	278	16.95	30.36
2	1300.00	53.49 PK	74.00	-20.51	1.36 V	341	23.61	29.88
2	1300.00	47.15 AV	54.00	-6.85	1.36 V	341	17.27	29.88
3	1641.00	58.56 PK	74.00	-15.44	1.00 V	360	27.23	31.33
3	1641.00	53.55 AV	54.00	-0.45	1.00 V	360	22.22	31.33
4	*2462.00	110.91 PK			1.00 V	326	77.96	32.95
4	*2462.00	106.11 AV			1.00 V	326	73.16	32.95
5	2483.50	56.64 PK	74.00	-17.36	1.00 V	326	23.68	32.96
5	2483.50	48.84 AV	54.00	-5.16	1.00 V	326	15.88	32.96
6	3282.00	53.85 PK	74.00	-20.15	1.36 V	280	17.86	35.99
6	3282.00	46.97 AV	54.00	-7.03	1.36 V	280	10.98	35.99

- 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. “ * “ : 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
SPECTRUM ANALYZER	FSEK30	100049	Aug. 12, 2004

NOTE: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 kHz RBW and 100kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation

4.3.5 TEST SETUP



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

4.3.6 EUT OPERATING CONDITIONS

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



4.3.7 TEST RESULTS (A)

EUT	Wireless-G Broadband Router	MODEL	WRTB-110G
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	20deg. C, 62%RH, 991hPa
TESTED BY:	Jamison Chan		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	10.72	0.5	PASS
6	2437	10.72	0.5	PASS
11	2462	10.60	0.5	PASS



CH1

