FCC TEST REPORT

REPORT NO.: RF911230R01
MODEL NO.: WMP-G01
RECEIVED: Dec. 30, 2002
TESTED: Jan. 2, 2003 ~ Apr. 7, 2003

APPLICANT: D-Link Corporation

ADDRESS: No.8, Li-Hsin VII Road Science Based Industrial Park, Hsin-Chu, Taiwan

ISSUED BY: Advance Data Technology Corporation

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

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1 CERTIFICATION

PRODUCT :	High-Speed 2.4GHz WLAN Mini PCI Card
MODEL NO. :	WMP-G01
BRAND NAME :	D-Link
APPLICANT :	D-Link 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 Jan. 2, 2003 to Apr. 7, 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.

CHECKED BY : Emily Lu , **DATE :** April. 9, 2003

Emily Lu

APPROVED BY : Alan Wu for , **DATE :** April. 9, 2003

Dr. Alan Lane, 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	PASS	Meet the requirement of limit Minimum passing margin is –14.67dBuV at 0.693MHz
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 –2.0dBuV at 579.95MHz
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	High-Speed 2.4GHz WLAN Mini PCI Card
MODEL NO.	WMP-G01
POWER SUPPLY	3.3VDC from host equipment
MODULATION TYPE	DSSS, OFDM
TRANSFER RATE	up to 54Mbps
FREQUENCY RANGE	2412MHz ~ 2462MHz (*One turbo mode is provided at Channel 6.)
CHANNEL SPACING	5MHz
NUMBER OF CHANNEL	11
OUTPUT POWER	20.78dBm (*21.68dBm for turbo mode)
ANTENNA TYPE	Inverted F and Dipole (*see below)
DATA CABLE	NA
I/O PORTS	NA
ASSOCIATED DEVICES	NA

NOTE:

1. The WMPL-G01 Wireless Mini PCI Card increases the data rate up to 54Mbps within the 2.4GHz band, utilizing OFDM technology and is interoperable with existing compatible 2.4GHz wireless technology with data transfer speeds of up to 11Mbps.

2. There are nine types of antennas provided to this EUT, the ones marked with "*" were chosen for final test.

No.	Antenna Model	Antenna Type	Antenna Gain (dBi)	Connector	
				Internal	External
*1	IFF-811D-120-1	Inverted-F	2.0	MMCX	NA
2	IWF-613D-120-1	Dipole	2.0	MMCX	NA
*3	IWF-114F-120-1	Dipole	1.8	MMCX	NA
4	IDF-RODER-120-1	Dipole	2.0	MMCX	NA
*5	IW-151RS-120-1	Dipole	5.0	MMCX	Reversed SMA
6	IW-241RS-120-1	Dipole	2.0	MMCX	Reversed SMA
7	IW-144RS-120-1	Dipole	2.5	MMCX	Reversed SMA
8	IWF-242-120-1	Dipole	2.0	MMCX	NA
9	IWF-152-120-1	Dipole	4.0	MMCX	NA

3. For more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

Eleven channels are provided to this EUT and also one turbo mode at channel 6.

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, the worst case, was chosen for final test.
2. Above 1GHz, the channel 1, 6, and 11 were tested individually.
3. Transfer rate, 11Mbps with CCK technique, 6Mbps with OFDM technique and a turbo mode at channel 6, the worst cases, were chosen for final test.
4. For radiated emission measurement, test result A was presented for EUT tested with antenna #1, test result B is for antenna #3 and test result C was for antenna #5 which were mentioned on note on section 3.1.

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a High-Speed 2.4GHz WLAN Mini PCI Card. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 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 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	COLOR MONITOR	ADI	CM100	026058T10200611 A	FCC DoC APPROVED
2	KEYBOARD	ACER	6511-7A	NA	NA
3	MOUSE	LOGITECH	M-CAA43	NA	NA
4	PC APPARATUS	NA	NA	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	1.8 m braid shielded wire, terminated with VGA connector via metallic frame, w/o core
2	NA
3	NA
4	NA

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

4 TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

NOTE:
1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
ROHDE & SCHWARZ Test Receiver	ESCS30	834115/016	Mar. 02, 2004
ROHDE & SCHWARZ Artificial Mains Network (For EUT)	ESH2-Z5	892107/003	July 10, 2003
* ROHDE & SCHWARZ 4-wire ISN	ENY41	838119/028	Nov. 29, 2003
* ROHDE & SCHWARZ 2-wire ISN	ENY22	837497/018	Nov. 29, 2003
EMCO L.I.S.N. (For peripherals)	3825/2	9504-2359	July 10, 2003
Software	Cond-V2M1	NA	NA
RF cable (JYEBAO)	5D-FB	Cable-C03.01	July 11, 2003
Terminator (For EMCO LISN)	NA	E1-01-300	Feb. 23, 2004
Terminator (For EMCO LISN)	NA	E1-01-301	Feb. 23, 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. 3.
4. The VCCI Site Registration No. is C-274.

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.

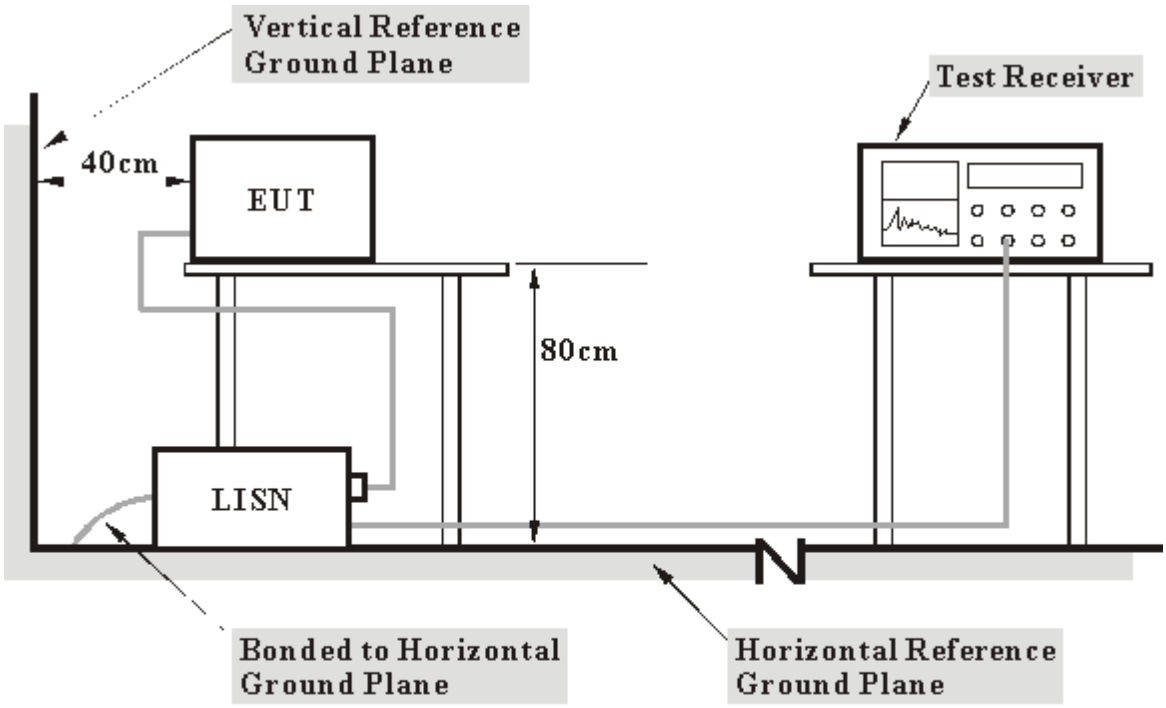
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150kHz to 30MHz was searched. Emission levels over 10dB under 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. Connected the EUT to a computer system placed on a testing table.
b. The computer system ran a test program to enable EUT under transmission/receiving condition continuously at specific channel frequency.
c. The computer system sent "H" messages to its screen.

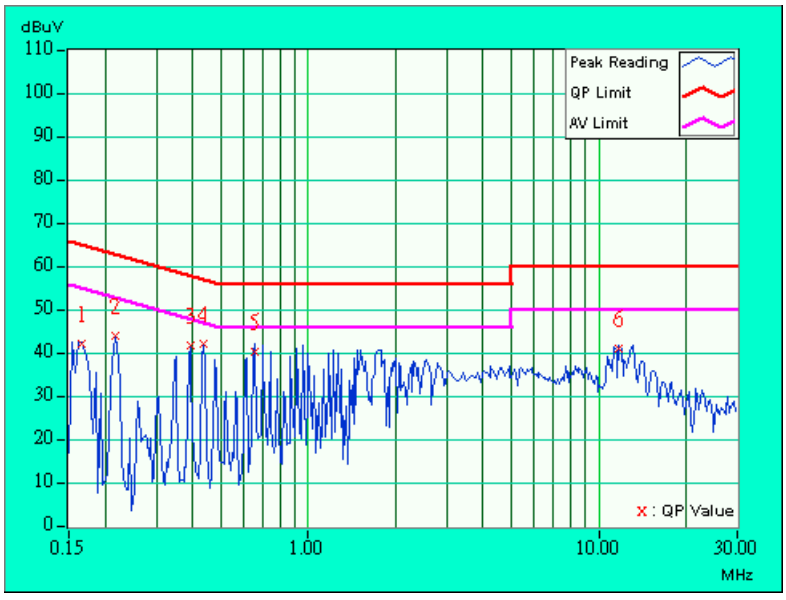
4.1.7 TEST RESULTS

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	Channel 1	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	21deg. C, 69%RH, 991hPa	**TESTED BY**: Andy Yu	

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	0.166	0.10	41.69	-	41.79	-	65.18	55.18	-23.39	-
2	0.216	0.10	43.52	-	43.62	-	62.96	52.96	-19.34	-
3	0.392	0.10	41.38	-	41.48	-	58.02	48.02	-16.54	-
4	0.435	0.11	41.75	-	41.86	-	57.15	47.15	-15.30	-
5	0.654	0.14	39.89	-	40.03	-	56.00	46.00	-15.97	-
6	11.760	0.57	40.37	-	40.94	-	60.00	50.00	-19.06	-

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.

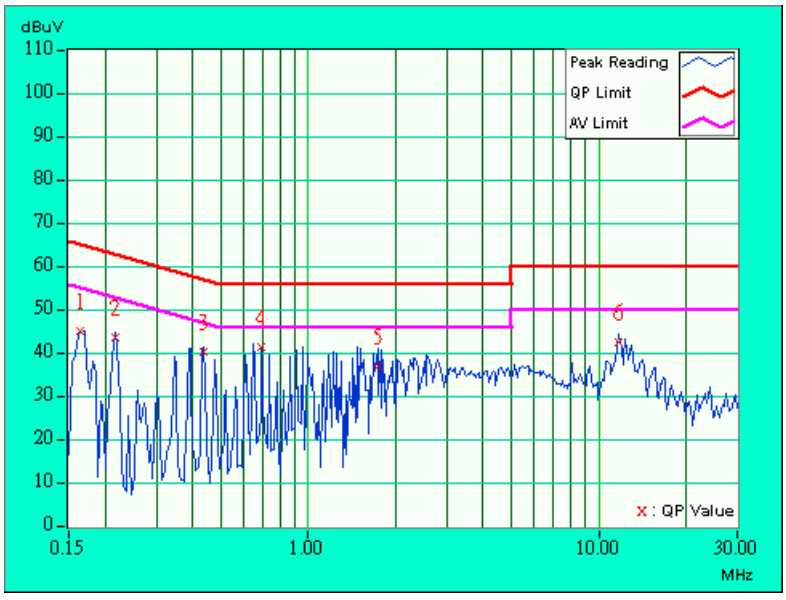


EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	Channel 1	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	21deg. C, 69%RH, 991hPa	**TESTED BY**: Andy Yu	

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	0.163	0.10	44.91	-	45.01	-	65.30	55.30	-20.29	-
2	0.216	0.10	43.44	-	43.54	-	62.96	52.96	-19.42	-
3	0.435	0.11	39.76	-	39.87	-	57.15	47.15	-17.29	-
4	0.693	0.15	41.18	-	41.33	-	56.00	46.00	-14.67	-
5	1.734	0.27	36.46	-	36.73	-	56.00	46.00	-19.27	-
6	11.770	0.44	42.32	-	42.76	-	60.00	50.00	-17.24	-

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.

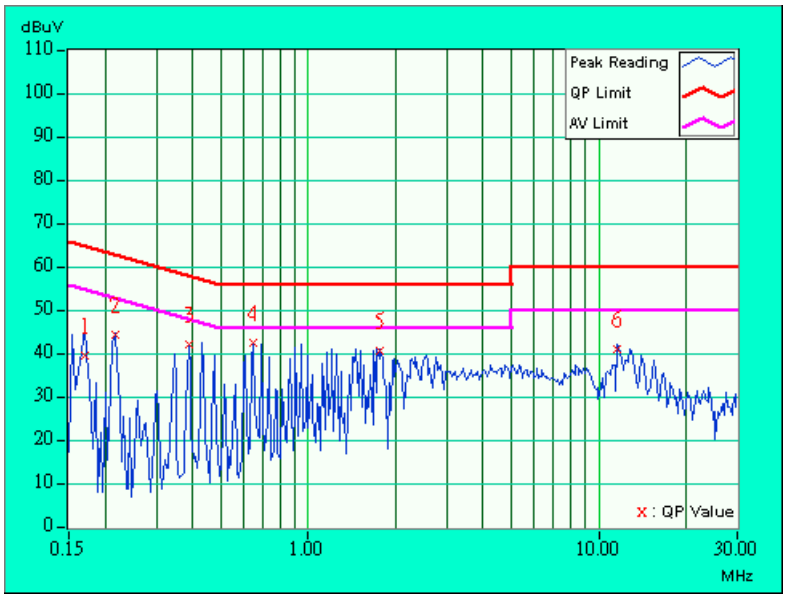


EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	Channel 6	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	21deg. C, 69%RH, 991hPa	**TESTED BY**: Andy Yu	

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	0.170	0.10	38.92	-	39.02	-	64.98	54.98	-25.96	-
2	0.216	0.10	43.99	-	44.09	-	62.96	52.96	-18.87	-
3	0.388	0.10	41.52	-	41.62	-	58.10	48.10	-16.48	-
4	0.646	0.14	42.12	-	42.26	-	56.00	46.00	-13.74	-
5	1.766	0.28	40.28	-	40.56	-	56.00	46.00	-15.44	-
6	11.578	0.56	40.49	-	41.05	-	60.00	50.00	-18.95	-

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.

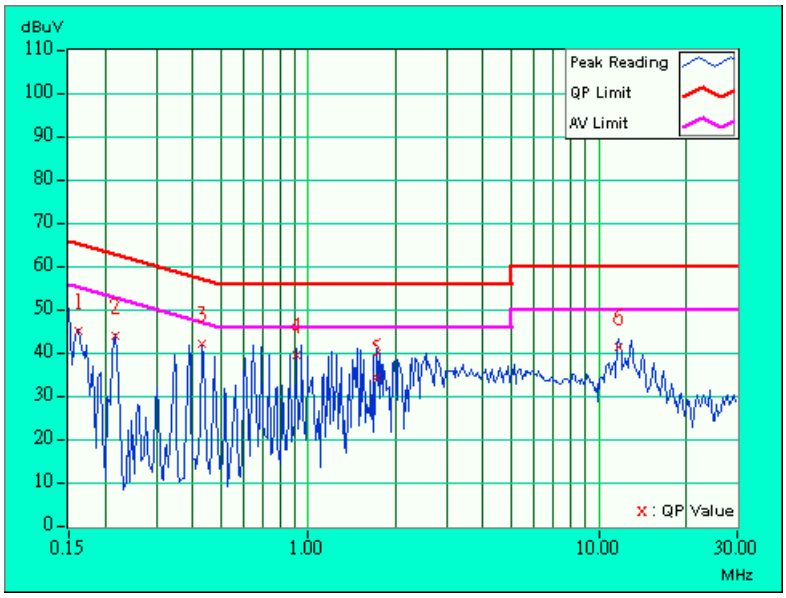


EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	Channel 6	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	21deg. C, 69%RH, 991hPa	**TESTED BY**: Andy Yu	

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	0.162	0.10	44.69	-	44.79	-	65.38	55.38	-20.59	-
2	0.216	0.10	43.60	-	43.70	-	62.96	52.96	-19.26	-
3	0.431	0.11	41.62	-	41.73	-	57.23	47.23	-15.50	-
4	0.908	0.18	39.37	-	39.55	-	56.00	46.00	-16.45	-
5	1.730	0.27	34.16	-	34.43	-	56.00	46.00	-21.57	-
6	11.773	0.44	40.99	-	41.43	-	60.00	50.00	-18.57	-

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.

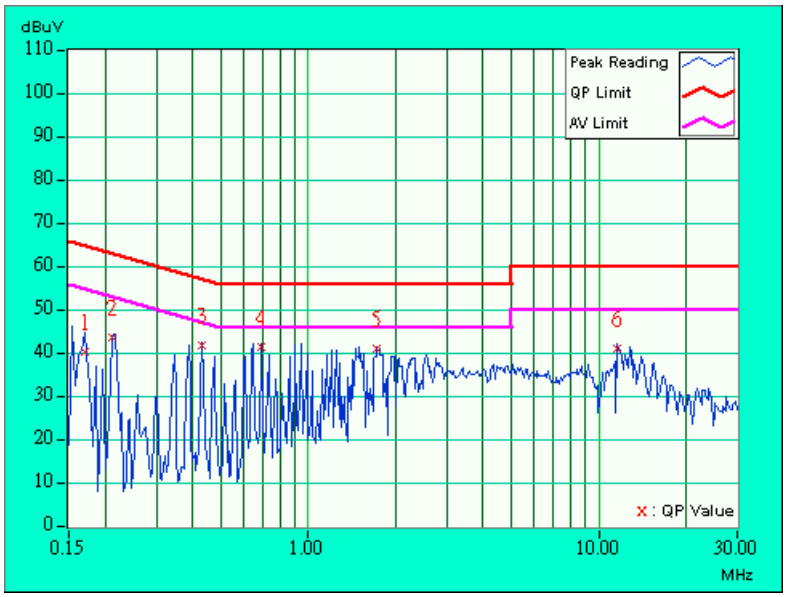


EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	Channel 11	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Line (L)
ENVIRONMENTAL CONDITIONS	21deg. C, 69%RH, 991hPa	**TESTED BY**: Andy Yu	

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	0.170	0.10	39.88	-	39.98	-	64.98	54.98	-25.00	-
2	0.213	0.10	43.01	-	43.11	-	63.11	53.11	-20.00	-
3	0.431	0.11	41.34	-	41.45	-	57.23	47.23	-15.78	-
4	0.689	0.15	40.79	-	40.94	-	56.00	46.00	-15.06	-
5	1.719	0.27	40.56	-	40.83	-	56.00	46.00	-15.17	-
6	11.578	0.56	40.53	-	41.09	-	60.00	50.00	-18.91	-

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.

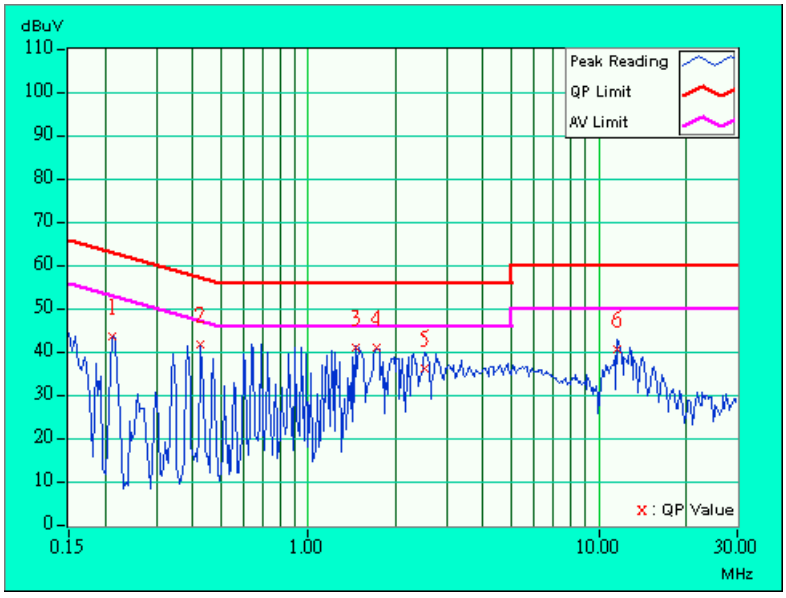


EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	Channel 11	**6dB BANDWIDTH**	9kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**PHASE**	Neutral (N)
ENVIRONMENTAL CONDITIONS	21deg. C, 69%RH, 991hPa	**TESTED BY**: Andy Yu	

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	0.213	0.10	43.21	-	43.31	-	63.11	53.11	-19.80	-
2	0.427	0.10	41.46	-	41.56	-	57.30	47.30	-15.74	-
3	1.457	0.25	40.69	-	40.94	-	56.00	46.00	-15.06	-
4	1.715	0.27	40.62	-	40.89	-	56.00	46.00	-15.11	-
5	2.531	0.33	36.02	-	36.35	-	56.00	46.00	-19.65	-
6	11.578	0.43	40.25	-	40.68	-	60.00	50.00	-19.32	-

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	May 13, 2003
* HP Preamplifier	8447D	2944A08485	Apr. 29, 2003
* HP Preamplifier	8449B	3008A01201	Dec. 01, 2003
* HP Preamplifier	8449B	3008A01292	Aug. 07, 2003
*Spectrum Analyzer	8593E	3926A04191	Mar. 24, 2004
*Test Receiver	ESI7	838496/016	Feb. 23, 2004
SCHAFFNER Tunable Dipole Antenna SCHWARZBECK Tunable Dipole Antenna	VHBA 9123 UHA 9105	459 977	Nov. 22, 2003
* CHASE BILOG Antenna	CBL6112A	2221	Aug. 02, 2003
* SCHWARZBECK Horn Antenna	BBHA9120-D1	D130	July 03, 2003
* EMCO Horn Antenna	3115	9312-4192	Apr. 09, 2003
* EMCO Turn Table	1060	1115	NA
* SHOSHIN Tower	AP-4701	A6Y005	NA
* Software	ADT_Radiated_V5.09	NA	NA
* ANRITSU RF Switches	MP59B	M35046	Jul. 11. 2003
* TIMES RF cable	LMR-600	CABLE-ST5-01	Jul. 11. 2003

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.

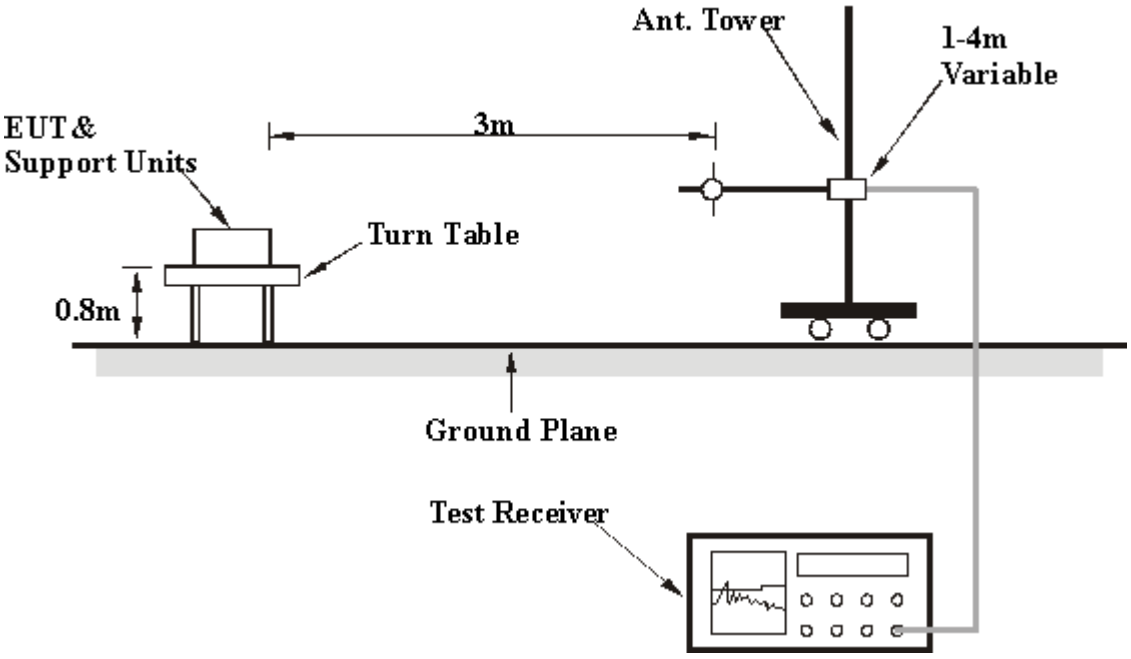
NOTE:

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 300 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 (A)

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	Channel 11	**FREQUENCY RANGE**	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	20deg. 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	160.03	31.2 QP	43.50	-12.30	1.71 H	140	20.50	10.60
2	192.00	41.2 QP	43.50	-2.30	2.06 H	81	31.10	10.10
3	256.00	30.1 QP	46.00	-15.90	1.67 H	116	16.20	13.90
4	288.00	40.9 QP	46.00	-5.10	1.84 H	88	26.70	14.30
5	320.01	41.0 QP	46.00	-5.00	1.00 H	152	26.00	15.00
6	320.02	41.4 QP	46.00	-4.60	1.00 H	303	26.40	15.00
7	352.01	34.2 QP	46.00	-11.80	1.16 H	0	18.50	15.70
8	383.99	42.4 QP	46.00	-3.60	1.08 H	154	25.40	17.10
9	479.99	38.5 QP	46.00	-7.50	1.00 H	164	19.60	19.00
10	544.10	36.4 QP	46.00	-9.60	1.00 H	138	15.80	20.50
11	575.99	43.9 QP	46.00	-2.10	1.73 H	236	22.80	21.10
12	704.02	32.0 QP	46.00	-14.00	1.45 H	239	10.40	21.60

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	160.01	27.5 QP	43.50	-16.00	1.95 V	278	16.80	10.60
2	192.00	41.1 QP	43.50	-2.40	1.00 V	14	31.00	10.10
3	256.01	35.1 QP	46.00	-10.90	1.10 V	213	21.20	13.90
4	288.01	43.7 QP	46.00	-2.30	1.95 V	328	29.50	14.30
5	320.01	41.7 QP	46.00	-4.30	1.30 V	252	26.70	15.00
6	352.02	42.0 QP	46.00	-4.00	1.54 V	240	26.30	15.70
7	384.02	40.7 QP	46.00	-5.30	1.83 V	336	23.70	17.10
8	416.02	26.6 QP	46.00	-19.40	1.83 V	0	8.70	17.90
9	480.02	40.8 QP	46.00	-5.20	1.61 V	178	21.80	19.00
10	544.09	35.4 QP	46.00	-10.60	1.68 V	172	14.90	20.50
11	576.09	43.5 QP	46.00	-2.50	2.04 V	156	22.40	21.10
12	704.01	34.6 QP	46.00	-11.40	1.60 V	82	13.00	21.60

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	CCK	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 1		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	20deg. 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	2385.21	54.1 PK	74.00	-19.90	1.22 H	288	22.30	31.90
1	2385.21	45.8 AV	54.00	-8.20	1.22 H	288	13.90	31.90
2	*2412.00	103.5 PK			1.28 H	341	71.50	32.00
2	*2412.00	96.0 AV			1.28 H	341	63.90	32.00
3	3168.00	45.6 PK	74.00	-28.40	1.25 H	88	11.40	34.20
4	4824.00	48.8 PK	74.00	-25.20	1.58 H	72	10.30	38.50
5	6336.00	56.3 PK	83.50	-27.20	1.33 H	302	15.00	41.30
5	6336.00	54.2 AV	76.00	-21.80	1.33 H	302	12.90	34.20
6	7236.00	59.5 PK	74.00	-14.50	1.17 H	50	14.90	44.60
6	7236.00	51.5 AV	54.00	-2.50	1.17 H	50	6.90	38.50

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	2385.21	58.3 PK	74.00	-15.70	1.52 V	76	26.50	31.90
1	2385.21	48.5 AV	54.00	-5.50	1.52 V	76	16.60	31.90
2	*2412.00	108.3 PK			1.79 V	58	76.30	32.00
2	*2412.00	100.5 AV			1.79 V	58	68.50	32.00
3	3168.00	44.3 PK	74.00	-29.70	1.24 V	158	10.00	34.20
4	4824.00	47.3 PK	74.00	-26.70	1.01 V	192	8.80	38.50
5	6336.00	60.9 PK	88.30	-27.40	1.19 V	42	19.60	41.30
5	6336.00	58.6 AV	80.50	-21.90	1.19 V	42	17.30	34.20
6	7236.00	55.9 PK	74.00	-18.10	1.78 V	51	11.20	44.60
6	7236.00	49.5 AV	54.00	-4.50	1.78 V	51	4.90	38.50

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	CCK	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 6		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	20deg. 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	*2437.00	104.2 PK			1.13 H	23	71.90	32.20
1	*2437.00	96.2 AV			1.13 H	23	63.90	32.20
2	3168.00	43.2 PK	74.00	-30.80	1.25 H	121	9.00	34.20
3	4874.00	49.6 PK	74.00	-24.40	1.23 H	150	10.80	38.70
4	6336.00	57.3 PK	84.20	-26.90	1.10 H	69	16.00	41.30
4	6336.00	54.3 AV	76.20	-21.90	1.10 H	69	13.00	34.20
5	7311.00	57.0 PK	74.00	-17.00	1.25 H	300	12.50	44.60
5	7311.00	49.8 AV	54.00	-4.20	1.25 H	300	5.20	38.70

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	*2437.00	108.1 PK			1.28 V	14	75.80	32.20
1	*2437.00	100.1 AV			1.28 V	14	67.90	32.20
2	3168.00	45.6 PK	74.00	-28.40	1.20 V	100	11.30	34.20
3	4874.00	50.5 PK	74.00	-23.50	1.14 V	152	11.80	38.70
3	4874.00	39.9 AV	54.00	-14.10	1.14 V	152	1.10	34.20
4	6336.00	58.6 PK	88.10	-29.50	1.14 V	254	17.30	41.30
4	6336.00	56.6 AV	80.10	-23.50	1.14 V	254	15.30	38.70
5	7311.00	58.4 PK	74.00	-15.60	1.13 V	300	13.80	44.60
5	7311.00	50.8 AV	54.00	-3.20	1.13 V	300	6.20	41.30

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	CCK	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 11		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	20deg. 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	*2462.00	103.0 PK			1.25 H	40	70.50	32.50
1	*2462.00	95.4 AV			1.25 H	40	63.00	32.50
2	2483.98	54.1 PK	74.00	-19.90	1.48 H	350	21.50	32.60
2	2483.98	44.6 AV	54.00	-9.40	1.48 H	350	12.00	32.60
3	3168.00	44.9 PK	74.00	-29.10	1.39 H	225	10.70	34.20
4	4924.00	50.0 PK	74.00	-24.00	1.30 H	150	11.20	38.80
4	4924.00	41.7 AV	54.00	-12.30	1.30 H	150	2.90	34.20
5	6336.00	55.6 PK	83.00	-27.40	1.30 H	150	14.30	41.30
5	6336.00	53.5 AV	75.40	-21.90	1.30 H	150	12.20	38.80
6	7386.00	57.5 PK	74.00	-16.50	1.28 H	39	12.50	45.00
6	7386.00	50.2 AV	54.00	-3.80	1.28 H	39	5.20	41.30

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	107.1 PK			1.28 V	40	74.60	32.50
1	*2462.00	101.1 AV			1.28 V	40	68.60	32.50
2	2483.98	57.3 PK	74.00	-16.70	1.25 V	258	24.60	32.60
2	2483.98	49.3 AV	54.00	-4.70	1.25 V	258	16.70	32.60
3	3168.00	45.9 PK	74.00	-28.10	1.39 V	222	11.60	34.20
4	4924.00	50.3 PK	74.00	-23.70	1.30 V	159	11.50	38.80
4	4924.00	39.7 AV	54.00	-14.30	1.30 V	159	0.90	34.20
5	6336.00	56.6 PK	87.10	-30.50	1.33 V	299	15.30	41.30
5	6336.00	55.2 AV	81.10	-25.90	1.33 V	299	13.90	38.80
6	7386.00	58.5 PK	74.00	-15.50	1.44 V	202	13.50	45.00
6	7386.00	51.1 AV	54.00	-2.90	1.44 V	202	6.10	41.30

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 1		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	20deg. 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	2385.62	47.5 PK	74.00	-26.50	1.10 H	190	15.60	31.90
2	*2412.00	103.6 PK			1.05 H	333	71.60	32.00
2	*2412.00	94.7 AV			1.05 H	333	62.70	31.90
3	3168.00	44.6 PK	74.00	-29.40	1.03 H	81	10.40	34.20
4	4826.30	48.1 PK	74.00	-25.90	1.05 H	337	9.60	38.50
5	6336.00	57.4 PK	83.60	-28.90	1.04 H	295	16.10	41.30
5	6336.00	54.8 AV	74.70	-19.90	1.04 H	295	13.50	32.00
6	7238.33	55.8 PK	74.00	-18.20	1.10 H	223	11.20	44.60
6	7238.33	45.8 AV	54.00	-8.20	1.10 H	223	1.20	34.20

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	2385.32	47.1 PK	74.00	-26.90	1.26 V	284	14.20	32.90
2	*2414.60	103.2 PK			1.33 V	180	70.10	33.00
2	*2414.60	95.2 AV			1.33 V	180	62.20	32.90
3	3168.00	45.0 PK	74.00	-29.00	1.17 V	207	10.90	34.10
4	4824.28	47.0 PK	74.00	-27.00	1.12 V	246	9.80	37.20
5	6336.00	66.7 PK	83.20	-16.50	1.11 V	247	27.30	39.40
5	6336.00	65.8 AV	75.20	-9.40	1.11 V	247	26.50	33.00
6	7236.40	63.0 PK	74.00	-11.00	1.12 V	258	21.00	42.00
6	7236.40	49.6 AV	54.00	-4.40	1.12 V	258	7.60	34.10

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.
5. " * " : Fundamental frequency.

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 6		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	20deg. 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	*2437.00	101.2 PK			1.35 H	254	68.90	32.20
1	*2437.00	94.2 AV			1.35 H	254	62.00	32.20
2	3168.00	42.9 PK	74.00	-31.10	1.22 H	210	8.70	34.20
3	4874.00	49.0 PK	74.00	-25.00	1.30 H	200	10.20	38.70
4	6336.00	56.3 PK	81.20	-24.90	1.22 H	93	15.00	41.30
4	6336.00	54.0 AV	74.20	-20.20	1.22 H	93	12.70	34.20
5	7311.00	55.2 PK	74.00	-18.80	1.25 H	75	10.60	44.60
5	7311.00	48.1 AV	54.00	-5.90	1.25 H	75	3.50	38.70

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	*2437.00	104.1 PK			1.15 V	295	71.80	32.20
1	*2437.00	95.9 AV			1.15 V	295	63.70	32.20
2	3168.00	43.0 PK	74.00	-31.00	1.14 V	258	8.80	34.20
3	4874.20	49.8 PK	74.00	-24.20	1.10 V	241	11.10	38.70
4	6336.00	59.9 PK	84.10	-24.20	1.21 V	332	18.60	41.30
4	6336.00	57.6 AV	75.90	-18.30	1.21 V	332	16.30	34.20
5	7312.00	56.3 PK	74.00	-17.70	1.21 V	333	11.70	44.60
5	7312.00	49.5 AV	54.00	-4.50	1.21 V	333	4.90	38.70

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. " * " : Fundamental frequency.

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 11		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	20deg. 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	*2460.32	103.7 PK			1.29 H	30	71.30	32.40
1	*2460.32	95.4 AV			1.29 H	30	63.00	32.40
2	2483.78	67.1 PK	74.00	-6.90	1.12 H	325	34.50	32.60
2	2483.78	50.1 AV	54.00	-3.90	1.12 H	325	17.50	32.60
3	3168.00	44.6 PK	74.00	-29.40	1.44 H	225	10.40	34.20
4	4924.36	49.0 PK	74.00	-25.00	1.12 H	325	10.20	38.80
5	6336.00	54.6 PK	83.70	-29.10	1.27 H	299	13.30	41.30
5	6336.00	52.3 AV	75.40	-22.70	1.27 H	299	11.00	34.20
6	7386.00	56.2 PK	74.00	-17.80	1.25 H	258	11.20	45.00
6	7386.00	46.8 AV	54.00	-7.20	1.25 H	258	1.80	38.80

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	*2460.32	104.4 PK			1.33 V	324	71.90	32.40
1	*2460.32	95.4 AV			1.33 V	324	63.00	32.40
2	2484.08	66.2 PK	74.00	-7.80	1.76 V	21	33.60	32.60
2	2484.08	48.9 AV	54.00	-5.10	1.76 V	21	16.30	32.60
3	3168.00	43.5 PK	74.00	-30.50	1.21 V	192	9.30	34.20
4	4924.20	50.0 PK	74.00	-24.00	1.13 V	254	11.20	38.80
4	4924.20	39.3 AV	54.00	-14.70	1.13 V	254	0.50	34.20
5	6336.02	59.5 PK	84.40	-24.90	1.00 V	92	18.20	41.30
5	6336.02	56.6 AV	75.40	-18.80	1.00 V	92	15.30	38.80
6	7386.00	56.2 PK	74.00	-17.80	1.00 V	225	11.20	45.00
6	7386.00	49.1 AV	54.00	-4.90	1.00 V	225	4.10	41.30

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 6 (Turbo Mode)		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	20deg. 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	*2437.00	99.2 PK			1.10 H	291	67.00	32.20
1	*2437.00	91.9 AV			1.10 H	291	59.70	32.20
2	3168.00	43.2 PK	74.00	-30.80	1.20 H	246	8.90	34.20
3	4874.32	50.0 PK	74.00	-24.00	1.13 H	257	11.30	38.70
3	4874.32	42.3 AV	54.00	-11.70	1.13 H	257	3.60	34.20
4	6336.00	56.3 PK	79.20	-22.90	1.18 H	286	15.00	41.30
4	6336.00	54.0 AV	71.90	-17.90	1.18 H	286	12.70	38.70
5	7312.00	54.8 PK	74.00	-19.20	1.10 H	266	10.20	44.60
5	7312.00	48.2 AV	54.00	-5.80	1.10 H	266	3.60	41.30

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	*2437.00	101.8 PK			1.45 V	39	69.60	32.20
1	*2437.00	95.5 AV			1.45 V	39	63.30	32.20
2	3168.00	43.6 PK	74.00	-30.40	1.24 V	125	9.40	34.20
3	4874.32	50.2 PK	74.00	-23.80	1.10 V	75	11.50	38.70
3	4874.32	42.3 AV	54.00	-11.70	1.10 V	75	3.60	34.20
4	6336.00	59.3 PK	81.80	-22.50	1.15 V	59	18.00	41.30
4	6336.00	56.6 AV	75.50	-18.90	1.15 V	59	15.30	38.70
5	7312.54	55.1 PK	74.00	-18.90	1.20 V	40	10.50	44.60
5	7312.54	49.5 AV	54.00	-4.50	1.20 V	40	4.90	41.30

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.

4.2.8 TEST RESULTS (B)

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	Channel 11	**FREQUENCY RANGE**	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 65%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	159.99	35.1 QP	43.50	-8.40	1.58 H	68	24.40	10.70
2	191.99	41.3 QP	43.50	-2.20	1.46 H	226	31.20	10.10
3	255.99	36.1 QP	46.00	-9.90	1.91 H	212	22.20	13.90
4	288.03	42.7 QP	46.00	-3.30	1.50 H	75	28.50	14.30
5	320.03	42.6 QP	46.00	-3.40	1.08 H	226	27.60	15.00
6	352.03	36.1 QP	46.00	-9.90	1.00 H	159	20.40	15.70
7	384.03	42.3 QP	46.00	-3.70	1.11 H	156	25.30	17.10
8	416.03	31.0 QP	46.00	-15.00	1.10 H	154	13.10	17.90
9	480.03	39.2 QP	46.00	-6.80	1.34 H	69	20.30	19.00
10	544.10	31.0 QP	46.00	-15.00	1.54 H	265	10.40	20.50
11	575.99	44.0 QP	46.00	-2.00	1.43 H	217	22.90	21.10
12	671.99	30.8 QP	46.00	-15.20	1.43 H	51	9.50	21.30
13	703.99	33.0 QP	46.00	-13.00	1.50 H	247	11.40	21.60

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	159.99	34.4 QP	43.50	-9.10	1.00 V	0	23.70	10.70
2	191.99	41.4 QP	43.50	-2.10	1.00 V	29	31.30	10.10
3	255.99	36.6 QP	46.00	-9.40	1.00 V	60	22.70	13.90
4	288.01	38.2 QP	46.00	-7.80	1.56 V	221	24.00	14.30
5	319.99	41.9 QP	46.00	-4.10	1.64 V	265	26.90	15.00
6	351.99	38.0 QP	46.00	-8.00	1.73 V	201	22.30	15.70
7	384.01	39.5 QP	46.00	-6.50	1.32 V	331	22.50	17.10
8	415.99	30.4 QP	46.00	-15.60	1.39 V	103	12.50	17.90
9	479.94	41.4 QP	46.00	-4.60	1.94 V	332	22.40	19.00
10	544.10	37.5 QP	46.00	-8.50	1.00 V	161	16.90	20.50
11	575.95	44.0 QP	46.00	-2.00	1.24 V	325	22.90	21.10
12	704.01	35.6 QP	46.00	-10.40	1.23 V	118	14.00	21.60

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	CCK	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 1		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%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	*2412.00	98.2 PK			1.48 H	74	66.60	31.60
1	*2412.00	91.5 AV			1.48 H	74	59.90	31.60
2	3168.00	47.0 PK	74.00	-27.00	1.15 H	81	13.30	33.70
3	4824.00	53.5 PK	74.00	-20.50	1.57 H	84	15.30	38.20
3	4824.00	44.0 AV	54.00	-10.00	1.57 H	84	5.80	33.70
4	6336.00	54.0 PK	78.20	-24.20	1.42 H	46	12.60	41.40
4	6336.00	50.0 AV	71.50	-21.50	1.42 H	46	8.60	38.20
5	7258.00	50.6 PK	74.00	-23.40	1.15 H	45	5.90	44.70
5	7258.00	44.6 AV	54.00	-9.40	1.15 H	45	-0.10	41.40

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	*2412.00	110.0 PK			1.12 V	45	78.40	31.60
1	*2412.00	104.0 AV			1.12 V	45	72.40	31.60
2	3168.00	48.2 PK	74.00	-25.80	1.05 V	47	14.50	33.70
3	4824.00	59.5 PK	74.00	-14.50	1.03 V	44	21.30	38.20
3	4824.00	48.7 AV	54.00	-5.30	1.03 V	44	10.50	33.70
4	6336.00	56.5 PK	90.00	-33.50	1.74 V	36	15.10	41.40
4	6336.00	52.0 AV	84.00	-32.00	1.74 V	36	10.60	38.20
5	7241.00	54.5 PK	74.00	-19.50	1.30 V	58	9.90	44.60
5	7241.00	43.7 AV	54.00	-10.30	1.30 V	58	-0.90	41.40

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	CCK	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 6		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%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	*2437.00	103.0 PK			1.54 H	69	71.40	31.60
1	*2437.00	96.0 AV			1.54 H	69	64.40	31.60
2	3168.00	47.4 PK	74.00	-26.60	1.42 H	32	13.70	33.70
3	4874.00	52.2 PK	74.00	-21.80	1.13 H	84	13.70	38.50
3	4874.00	42.9 AV	54.00	-11.10	1.13 H	84	4.40	33.70
4	6336.00	56.0 PK	83.00	-27.00	1.28 H	56	14.60	41.40
4	6336.00	50.4 AV	76.00	-25.60	1.28 H	56	9.00	38.50
5	7312.00	52.8 PK	74.00	-21.20	1.17 H	28	7.80	45.00
5	7312.00	45.7 AV	54.00	-8.30	1.17 H	28	0.70	41.40

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	*2437.00	113.0 PK			1.17 V	32	81.40	31.60
1	*2437.00	105.0 AV			1.17 V	32	73.40	31.60
2	3168.00	48.2 PK	74.00	-25.80	1.05 V	38	14.50	33.70
3	4874.00	60.7 PK	74.00	-13.30	1.84 V	87	22.20	38.50
3	4874.00	50.2 AV	54.00	-3.80	1.84 V	87	11.70	33.70
4	6336.00	55.2 PK	93.00	-37.80	1.18 V	67	13.80	41.40
4	6336.00	51.7 AV	85.00	-33.30	1.18 V	67	10.30	38.50
5	7312.00	54.4 PK	74.00	-19.60	1.27 V	156	9.40	45.00
5	7312.00	43.6 AV	54.00	-10.40	1.27 V	156	-1.40	41.40

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	CCK	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 11		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%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	*2463.00	103.0 PK			1.18 H	65	71.30	31.70
1	*2463.00	95.8 AV			1.18 H	65	64.10	31.70
2	3168.00	48.0 PK	74.00	-26.00	1.54 H	87	14.30	33.70
3	4924.00	50.9 PK	74.00	-23.10	1.15 H	46	12.20	38.70
3	4924.00	42.3 AV	54.00	-11.70	1.15 H	46	3.60	33.70
4	6336.00	57.0 PK	83.00	-26.00	1.32 H	45	15.60	41.40
4	6336.00	53.0 AV	75.80	-22.80	1.32 H	45	11.60	38.70
5	7386.00	53.8 PK	74.00	-20.20	1.42 H	68	8.90	44.90
5	7386.00	44.8 AV	54.00	-9.20	1.42 H	68	-0.10	41.40

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	*2463.00	110.0 PK			1.45 V	58	78.30	31.70
1	*2463.00	102.8 AV			1.45 V	58	72.10	31.70
2	3168.00	46.7 PK	74.00	-27.30	1.84 V	98	13.00	33.70
3	4924.00	56.3 PK	74.00	-17.70	1.72 V	48	17.60	38.70
3	4924.00	46.9 AV	54.00	-7.10	1.72 V	48	8.20	33.70
4	6336.00	54.8 PK	90.00	-35.20	1.15 V	32	13.40	41.40
4	6336.00	49.8 AV	82.80	-33.00	1.15 V	32	8.40	38.70
5	7385.00	55.2 PK	74.00	-18.80	1.30 V	48	10.30	44.90
5	7385.00	47.8 AV	54.00	-6.20	1.30 V	48	2.90	41.40

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 1		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%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	2388.00	54.6 PK	74.00	-19.40	1.24 H	230	21.50	33.10
1	2388.00	47.0 AV	54.00	-7.00	1.24 H	230	13.90	33.10
2	*2412.00	102.8 PK			1.00 H	242	71.50	33.10
2	*2412.00	94.5 AV			1.00 H	242	63.20	33.10
3	3168.00	46.2 PK	74.00	-27.80	1.00 H	235	10.10	36.10
4	4822.75	50.1 PK	74.00	-23.90	1.00 H	256	10.10	40.00
4	4822.75	40.1 AV	54.00	-13.90	1.00 H	256	0.10	36.10
5	6336.06	60.0 PK	82.80	-22.80	1.44 H	256	18.20	41.80
5	6336.06	57.0 AV	74.50	-17.50	1.44 H	256	15.20	40.00
6	7236.00	54.8 PK	74.00	-19.20	1.12 H	241	10.50	44.30
6	7236.00	43.8 AV	54.00	-10.20	1.12 H	241	-0.60	41.80

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	2389.98	57.5 PK	74.00	-16.50	1.37 V	290	24.40	33.10
1	2389.98	49.4 AV	54.00	-4.60	1.37 V	290	16.30	33.10
2	*2412.00	106.0 PK			1.20 V	220	74.60	33.10
2	*2412.00	98.1 AV			1.20 V	220	66.80	33.10
3	3168.00	49.8 PK	74.00	-24.20	1.28 V	227	13.60	36.10
4	4824.00	52.8 PK	74.00	-21.20	1.53 V	200	12.90	40.00
4	4824.00	42.6 AV	54.00	-11.40	1.53 V	200	2.70	36.10
5	6336.00	63.5 PK	86.00	-22.50	1.29 V	277	21.70	41.80
5	6336.00	61.5 AV	78.10	-16.60	1.29 V	277	19.70	40.00
6	7236.00	57.9 PK	74.00	-16.10	1.00 V	269	13.60	44.30
6	7236.00	46.4 AV	54.00	-7.60	1.00 V	269	2.10	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. " * " : Fundamental frequency.

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 6		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%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	*2437.80	105.2 PK			1.00 H	251	72.00	33.30
1	*2437.80	97.6 AV			1.00 H	251	64.30	33.30
2	3168.04	45.5 PK	74.00	-28.50	1.06 H	240	9.40	36.10
3	4874.00	51.1 PK	74.00	-22.90	1.15 H	230	10.90	40.20
3	4874.00	44.8 AV	54.00	-9.20	1.15 H	230	4.60	36.10
4	6336.04	60.8 PK	85.20	-24.40	1.00 H	258	19.00	41.80
4	6336.04	58.0 AV	77.60	-19.60	1.00 H	258	16.20	40.20
5	7308.20	53.7 PK	74.00	-20.30	1.25 H	265	9.40	44.30
5	7308.20	46.8 AV	54.00	-7.20	1.25 H	265	2.50	41.80

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	*2437.80	110.8 PK			1.22 V	50	77.50	33.30
1	*2437.80	101.7 AV			1.22 V	50	68.40	33.30
2	3168.03	47.4 PK	74.00	-26.60	1.78 V	199	11.20	36.10
3	4874.00	52.1 PK	74.00	-21.90	1.40 V	279	11.90	40.20
3	4874.00	45.4 AV	54.00	-8.60	1.40 V	279	5.20	36.10
4	6336.00	66.1 PK	90.80	-24.70	1.40 V	279	24.30	41.80
4	6336.00	63.2 AV	81.70	-18.50	1.40 V	279	21.30	40.20
5	7308.25	54.8 PK	74.00	-19.20	1.40 V	220	10.50	44.30
5	7308.25	46.8 AV	54.00	-7.20	1.40 V	220	2.50	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. " * " : Fundamental frequency.

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 11		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%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	*2462.12	99.7 PK			1.10 H	230	72.90	33.40
1	*2462.12	91.4 AV			1.10 H	230	63.00	33.40
2	2484.00	53.1 PK	74.00	-20.90	1.05 H	245	19.60	33.50
2	2484.00	43.5 AV	54.00	-10.50	1.05 H	245	10.00	33.50
3	3167.95	46.4 PK	74.00	-27.60	1.00 H	259	10.30	36.10
4	4924.00	51.8 PK	74.00	-22.20	1.00 H	212	11.50	40.40
4	4924.00	41.9 AV	54.00	-12.10	1.00 H	212	1.60	36.10
5	6336.04	60.2 PK	79.70	-19.50	1.02 H	212	18.40	41.80
5	6336.04	57.7 AV	71.40	-13.70	1.02 H	212	15.90	40.40
6	7387.00	55.5 PK	74.00	-18.50	1.06 H	230	10.80	44.70
6	7387.00	45.4 AV	54.00	-8.60	1.06 H	230	0.70	41.80

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	*2464.38	105.9 PK			1.19 V	51	78.30	33.40
1	*2464.38	96.5 AV			1.19 V	51	69.70	33.40
2	2484.69	57.6 PK	74.00	-16.40	1.20 V	200	24.10	33.50
2	2484.69	50.1 AV	54.00	-3.90	1.20 V	200	16.60	33.50
3	3167.95	48.5 PK	74.00	-25.50	1.13 V	236	12.30	36.10
4	4924.00	54.8 PK	74.00	-19.20	1.25 V	238	14.40	40.40
4	4924.00	44.9 AV	54.00	-9.10	1.25 V	238	4.60	36.10
5	6336.04	62.2 PK	85.90	-23.70	1.03 V	236	20.30	41.80
5	6336.04	60.6 AV	76.50	-15.90	1.03 V	236	18.80	40.40
6	7385.78	56.7 PK	74.00	-17.30	1.33 V	230	12.10	44.70
6	7385.78	46.1 AV	54.00	-7.90	1.33 V	230	1.40	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. " * " : Fundamental frequency.

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 6 (Turbo Mode)		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	22deg. C, 65%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	*2439.32	94.7 PK			1.11 H	270	64.60	33.30
1	*2439.32	90.4 AV			1.11 H	270	57.60	33.30
2	3168.04	47.5 PK	74.00	-26.50	1.40 H	285	11.30	36.10
3	4874.00	48.8 PK	74.00	-25.20	1.10 H	256	8.60	40.20
4	6336.04	60.2 PK	74.70	-14.50	1.51 H	311	18.40	41.80
4	6336.04	57.8 AV	70.40	-12.69	1.51 H	311	16.00	36.10
5	7312.35	52.9 PK	74.00	-21.10	1.23 H	210	8.60	44.30
5	7312.35	44.2 AV	54.00	-9.80	1.23 H	210	-0.10	40.20

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	*2439.20	103.3 PK			1.23 V	258	70.50	33.30
1	*2439.20	95.1 AV			1.23 V	258	62.30	33.30
2	3168.00	50.2 PK	74.00	-23.80	1.55 V	200	14.00	36.10
2	3168.00	44.8 AV	54.00	-9.20	1.55 V	200	8.70	36.10
3	4874.00	51.4 PK	74.00	-22.60	1.40 V	220	11.20	40.20
3	4874.00	42.1 AV	54.00	-11.90	1.40 V	220	1.90	40.20
4	6336.00	65.4 PK	83.30	-17.90	1.48 V	280	23.60	41.80
4	6336.00	63.5 AV	75.10	-11.60	1.48 V	280	21.70	41.80
5	7312.51	55.1 PK	74.00	-18.90	1.25 V	233	10.80	44.30
5	7312.51	44.8 AV	54.00	-9.20	1.25 V	233	0.50	44.30

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 (C)

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	Channel 11	**FREQUENCY RANGE**	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	**TESTED BY**: Gary Chang	

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	192.00	41.0 QP	43.50	-2.50	1.54 H	123	30.20	10.80
2	256.02	35.9 QP	46.00	-10.10	1.04 H	3	19.60	16.40
3	288.00	43.2 QP	46.00	-2.80	1.45 H	271	26.60	16.60
4	320.02	37.4 QP	46.00	-8.60	1.00 H	227	20.30	17.20
5	352.02	38.7 QP	46.00	-7.30	1.46 H	99	20.90	17.70
6	384.00	42.7 QP	46.00	-3.30	1.21 H	3	24.00	18.70
7	416.00	35.4 QP	46.00	-10.60	1.26 H	28	16.10	19.30
8	480.00	42.8 QP	46.00	-3.20	1.09 H	325	22.20	20.60
9	544.10	34.5 QP	46.00	-11.50	1.18 H	78	13.40	21.10
10	768.01	30.6 QP	46.00	-15.40	1.21 H	206	6.10	24.40
11	800.01	32.7 QP	46.00	-13.30	1.33 H	355	7.90	24.90

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	192.00	40.5 QP	43.50	-3.00	1.52 V	342	29.70	10.80
2	287.99	39.5 QP	46.00	-6.50	1.04 V	7	22.90	16.60
3	352.00	40.7 QP	46.00	-5.30	1.45 V	52	22.90	17.70
4	384.00	43.3 QP	46.00	-2.70	1.33 V	225	24.60	18.70
5	480.00	43.2 QP	46.00	-2.80	1.11 V	54	22.60	20.60
6	544.07	35.4 QP	46.00	-10.60	1.42 V	190	14.40	21.10
7	576.00	42.4 QP	46.00	-3.60	1.52 V	36	20.50	21.90
8	608.01	35.2 QP	46.00	-10.80	1.80 V	335	12.50	22.70
9	640.01	32.4 QP	46.00	-13.60	1.27 V	152	9.60	22.80
10	704.01	34.8 QP	46.00	-11.20	1.45 V	176	11.70	23.10
11	800.01	35.3 QP	46.00	-10.70	1.18 V	41	10.40	24.90
12	896.01	30.9 QP	46.00	-15.10	1.27 V	326	5.70	25.20

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.

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	CCK	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 1		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	**TESTED BY**: Gary Chang	

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	*2412.00	103.9 PK			1.71 H	208	74.30	29.60
1	*2412.00	95.9 AV			1.71 H	208	66.30	29.60
2	3168.00	41.2 PK	74.00	-32.80	1.15 H	320	9.80	31.40
3	4824.00	48.4 PK	74.00	-25.60	1.06 H	215	13.40	35.00
4	6336.00	60.0 PK	83.90	-23.90	1.55 H	35	22.00	38.00
4	6336.00	58.0 AV	75.90	-17.90	1.55 H	35	19.90	31.40
5	7236.00	51.6 PK	74.00	-22.40	1.68 H	317	11.20	40.40

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	*2412.00	110.7 PK			1.24 V	48	81.10	29.60
1	*2412.00	103.9 AV			1.24 V	48	74.30	29.60
2	3168.00	45.2 PK	74.00	-28.80	1.42 V	51	13.80	31.40
3	4824.00	48.4 PK	74.00	-25.60	1.28 V	325	13.40	35.00
4	6336.00	63.7 PK	90.70	-27.00	1.17 V	254	25.70	38.00
4	6336.00	60.5 AV	83.90	-23.40	1.17 V	254	22.50	31.40
5	7236.00	59.0 PK	74.00	-15.00	1.72 V	95	18.50	40.40
5	7236.00	46.3 AV	54.00	-7.70	1.72 V	95	5.90	35.00

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	CCK	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 6		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	**TESTED BY**: Gary Chang	

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	*2437.00	104.7 PK			1.11 H	274	75.00	29.70
1	*2437.00	96.4 AV			1.11 H	274	66.60	29.70
2	3168.00	41.2 PK	74.00	-32.80	1.22 H	12	9.80	31.40
3	4874.00	47.5 PK	74.00	-26.50	1.58 H	305	12.30	35.20
4	6335.00	58.9 PK	84.70	-25.80	1.27 H	254	20.90	38.00
4	6335.00	56.0 AV	76.40	-20.40	1.27 H	254	18.00	31.40
5	7311.00	54.4 PK	74.00	-19.60	1.36 H	352	13.90	40.50
5	7311.00	42.4 AV	54.00	-11.60	1.36 H	352	1.90	35.20

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	*2437.00	112.0 PK			1.45 V	45	82.30	29.70
1	*2437.00	105.9 AV			1.45 V	45	76.20	29.70
2	3168.00	47.1 PK	74.00	-26.90	1.25 V	352	15.60	31.40
3	4874.00	53.6 PK	74.00	-20.40	1.56 V	53	18.40	35.20
3	4874.00	41.1 AV	54.00	-12.90	1.56 V	53	5.90	31.40
4	6335.00	62.9 PK	92.00	-29.10	1.22 V	47	24.90	38.00
4	6335.00	59.8 AV	85.90	-26.10	1.22 V	47	21.80	35.20
5	7311.00	60.6 PK	74.00	-13.40	1.03 V	35	20.10	40.50
5	7311.00	47.9 AV	54.00	-6.10	1.03 V	35	7.40	38.00

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	CCK	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 11		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	**TESTED BY**: Gary Chang	

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	106.1 PK			1.10 H	332	76.30	29.80
1	*2462.00	99.4 AV			1.10 H	332	69.60	29.80
2	3168.00	43.8 PK	74.00	-30.20	1.45 H	138	12.40	31.40
3	4924.00	49.9 PK	74.00	-24.10	1.28 H	208	14.50	35.40
4	6336.00	58.0 PK	86.10	-28.10	1.72 H	73	20.00	38.00
4	6336.00	56.0 AV	79.40	-23.40	1.72 H	73	18.00	31.40
5	7386.00	52.3 PK	74.00	-21.70	1.53 H	38	11.60	40.60
5	7386.00	41.5 AV	54.00	-12.50	1.53 H	38	0.80	35.40

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	110.1 PK			1.15 V	157	80.30	29.80
1	*2462.00	102.9 AV			1.15 V	157	73.10	29.80
2	3168.00	47.2 PK	74.00	-26.80	1.05 V	51	15.80	31.40
3	4924.00	49.8 PK	74.00	-24.20	1.09 V	241	14.40	35.40
4	6336.00	61.7 PK	90.10	-28.40	1.95 V	251	23.70	38.00
4	6336.00	59.2 AV	82.90	-23.70	1.95 V	251	21.20	31.40
5	7386.00	57.6 PK	74.00	-16.40	1.72 V	12	16.90	40.60
5	7386.00	47.3 AV	54.00	-6.70	1.72 V	12	6.60	35.40

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 1		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	**TESTED BY**: Gary Chang	

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	*2412.00	92.4 PK			1.52 H	35	62.70	29.70
1	*2412.00	84.2 AV			1.52 H	35	54.50	29.70
2	3168.00	45.0 PK	74.00	-29.00	1.12 H	57	13.60	31.40
3	4824.00	45.4 PK	74.00	-28.60	1.28 H	174	10.40	35.00
4	6336.00	59.8 PK	72.40	-12.60	1.44 H	225	21.80	38.00
4	6336.00	57.0 AV	64.20	-7.20	1.44 H	225	19.00	31.40
5	7236.00	51.8 PK	74.00	-22.20	1.15 H	196	11.40	40.40
5	7236.00	40.3 AV	54.00	-13.70	1.15 H	196	-0.10	35.00

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	*2412.00	96.3 PK			1.15 V	116	66.70	29.60
1	*2412.00	86.7 AV			1.15 V	116	57.10	29.60
2	3168.00	44.0 PK	74.00	-30.00	1.32 V	68	12.60	31.40
3	4824.00	45.0 PK	74.00	-29.00	1.13 V	24	10.00	35.00
4	6336.00	62.0 PK	76.30	-14.30	1.25 V	62	24.00	38.00
4	6336.00	59.7 AV	66.70	-7.00	1.25 V	62	21.70	31.40
5	7236.00	45.5 PK	74.00	-28.50	1.44 V	305	5.10	40.40

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 6		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	**TESTED BY**: Gary Chang	

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	*2437.00	94.8 PK			1.16 H	43	65.10	29.70
1	*2437.00	85.6 AV			1.16 H	43	55.90	29.70
2	3168.00	43.0 PK	74.00	-31.00	1.05 H	62	11.60	31.40
3	4874.00	44.6 PK	74.00	-29.40	1.37 H	241	9.40	35.20
4	7311.00	50.8 PK	74.00	-23.20	1.36 H	336	10.30	40.50
4	7311.00	40.4 AV	54.00	-13.60	1.36 H	336	-0.10	31.40

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	*2437.00	98.5 PK			1.37 V	215	68.80	29.70
1	*2437.00	89.8 AV			1.37 V	215	60.10	29.70
2	3168.00	46.0 PK	74.00	-28.00	1.25 V	46	14.60	31.40
3	4874.00	45.9 PK	74.00	-28.10	1.12 V	34	10.70	35.20
4	6336.00	62.0 PK	78.50	-16.50	1.52 V	34	24.00	38.00
4	6336.00	60.1 AV	69.80	-9.70	1.52 V	34	22.10	31.40
5	7311.00	54.4 PK	74.00	-19.60	1.04 V	35	13.90	40.50
5	7311.00	43.4 AV	54.00	-10.60	1.04 V	35	2.90	35.20

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.
5. " * " : Fundamental frequency.

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 11		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	**TESTED BY**: Gary Chang	

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	*2462.00	91.9 PK			1.10 H	108	62.10	29.80
1	*2462.00	83.8 AV			1.10 H	108	53.90	29.80
2	3168.00	43.0 PK	74.00	-31.00	1.05 H	62	11.60	31.40
3	4924.00	44.3 PK	74.00	-29.70	1.41 H	152	8.90	35.40
4	7386.00	49.5 PK	74.00	-24.50	1.21 H	256	8.80	40.60

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	*2462.00	96.5 PK			1.17 V	267	66.70	29.80
1	*2462.00	88.0 AV			1.17 V	267	58.20	29.80
2	3168.00	45.0 PK	74.00	-29.00	1.15 V	320	13.60	31.40
3	4924.00	45.3 PK	74.00	-28.70	1.25 V	61	9.90	35.40
4	6336.00	60.0 PK	76.50	-16.50	1.25 V	41	22.00	38.00
4	6336.00	57.8 AV	68.00	-10.20	1.25 V	41	19.80	31.40
5	7386.00	51.5 PK	74.00	-22.50	2.23 V	65	10.80	40.60
5	7386.00	41.2 AV	54.00	-12.80	2.23 V	65	0.50	35.40

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	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
MODE	OFDM	**FREQUENCY RANGE**	Above 1000MHz
CHANNEL	Channel 6 (Turbo Mode)		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	**TESTED BY**: Gary Chang	

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	*2437.00	89.7 PK			1.12 H	89	60.00	29.70
1	*2437.00	81.5 AV			1.12 H	89	51.80	29.70
2	3168.00	45.2 PK	74.00	-28.80	1.12 H	45	13.80	31.40
3	4874.00	43.5 PK	74.00	-30.50	1.31 H	302	8.30	35.20
4	6336.00	59.2 PK	69.70	-10.50	1.05 H	34	21.20	38.00
4	6336.00	57.0 AV	61.50	-4.50	1.05 H	34	19.00	31.40
5	7311.00	49.6 PK	74.00	-24.40	1.55 H	135	9.10	40.50

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	*2437.00	94.8 PK			1.57 V	53	65.10	29.70
1	*2437.00	85.5 AV			1.57 V	53	55.80	29.70
2	3168.00	46.2 PK	74.00	-27.80	1.15 V	35	14.80	31.40
3	4874.00	44.9 PK	74.00	-29.10	1.31 V	38	9.70	35.20
4	6336.00	61.5 PK	74.80	-13.30	1.02 V	52	23.50	38.00
4	6336.00	59.4 AV	65.50	-6.10	1.02 V	52	21.40	31.40
5	7311.00	52.6 PK	74.00	-21.40	1.06 V	31	12.00	40.50
5	7311.00	41.6 AV	54.00	-12.40	1.06 V	31	1.10	35.20

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.
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	July 24, 2003

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

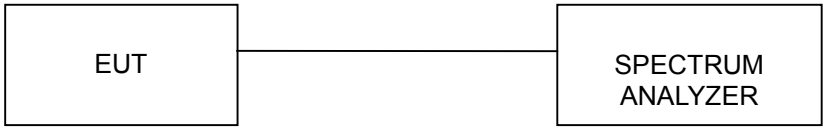
4.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz 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

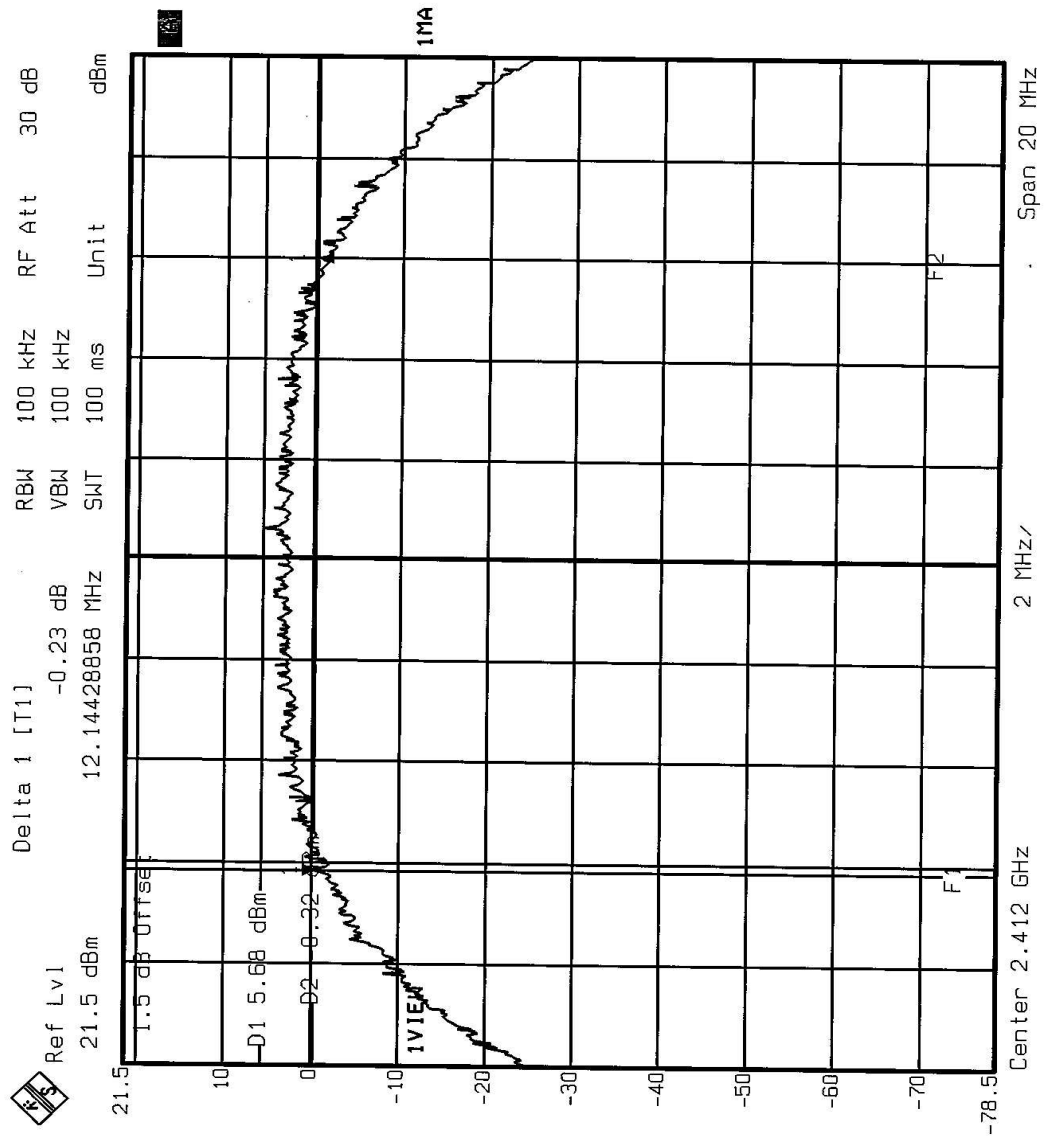
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 TEST RESULTS

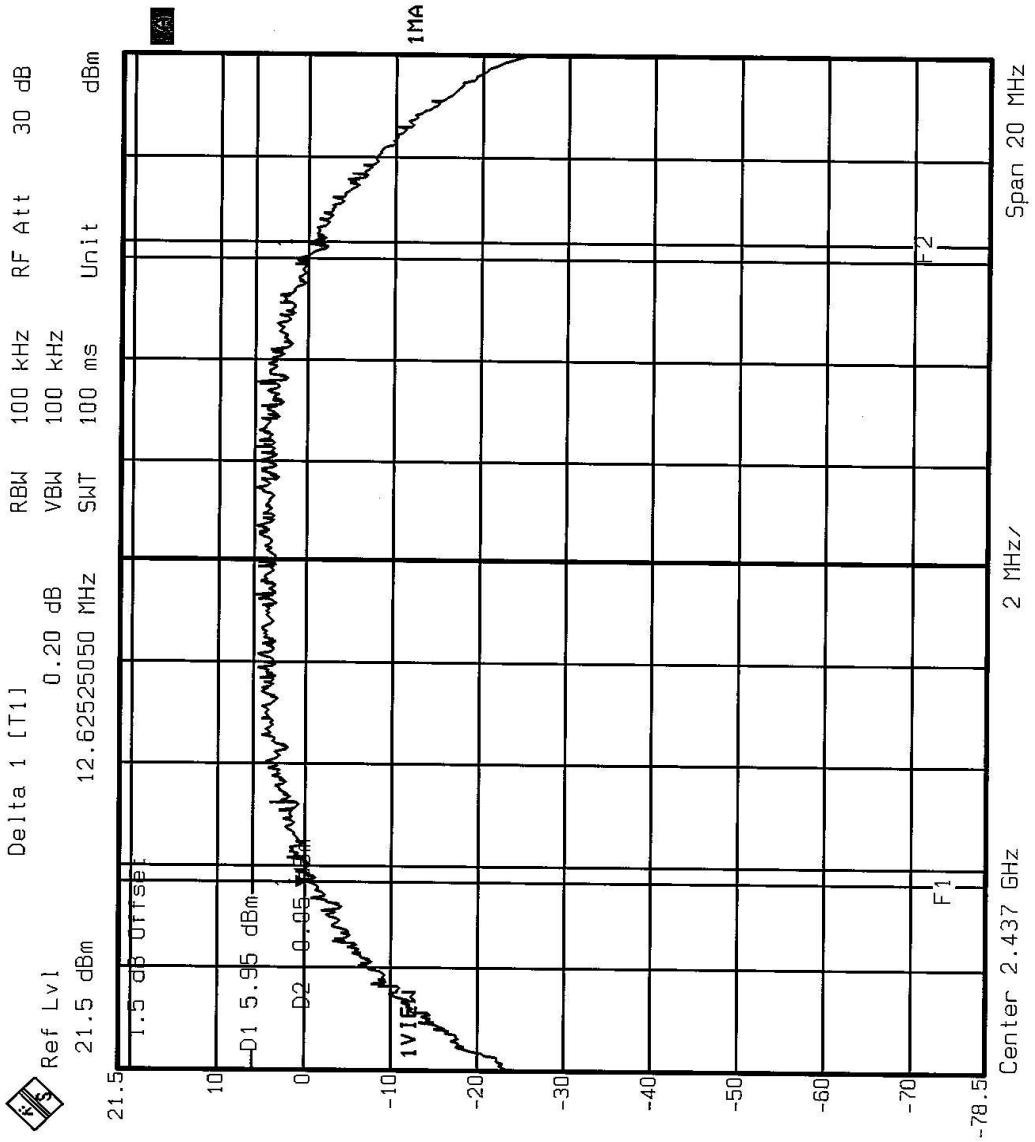
EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
		MODE	CCK
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	21deg. C, 67%RH, 991hPa
TESTED BY: Ansen Lei			

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	12.144	0.5	PASS
6	2437	12.625	0.5	PASS
11	2462	12.144	0.5	PASS

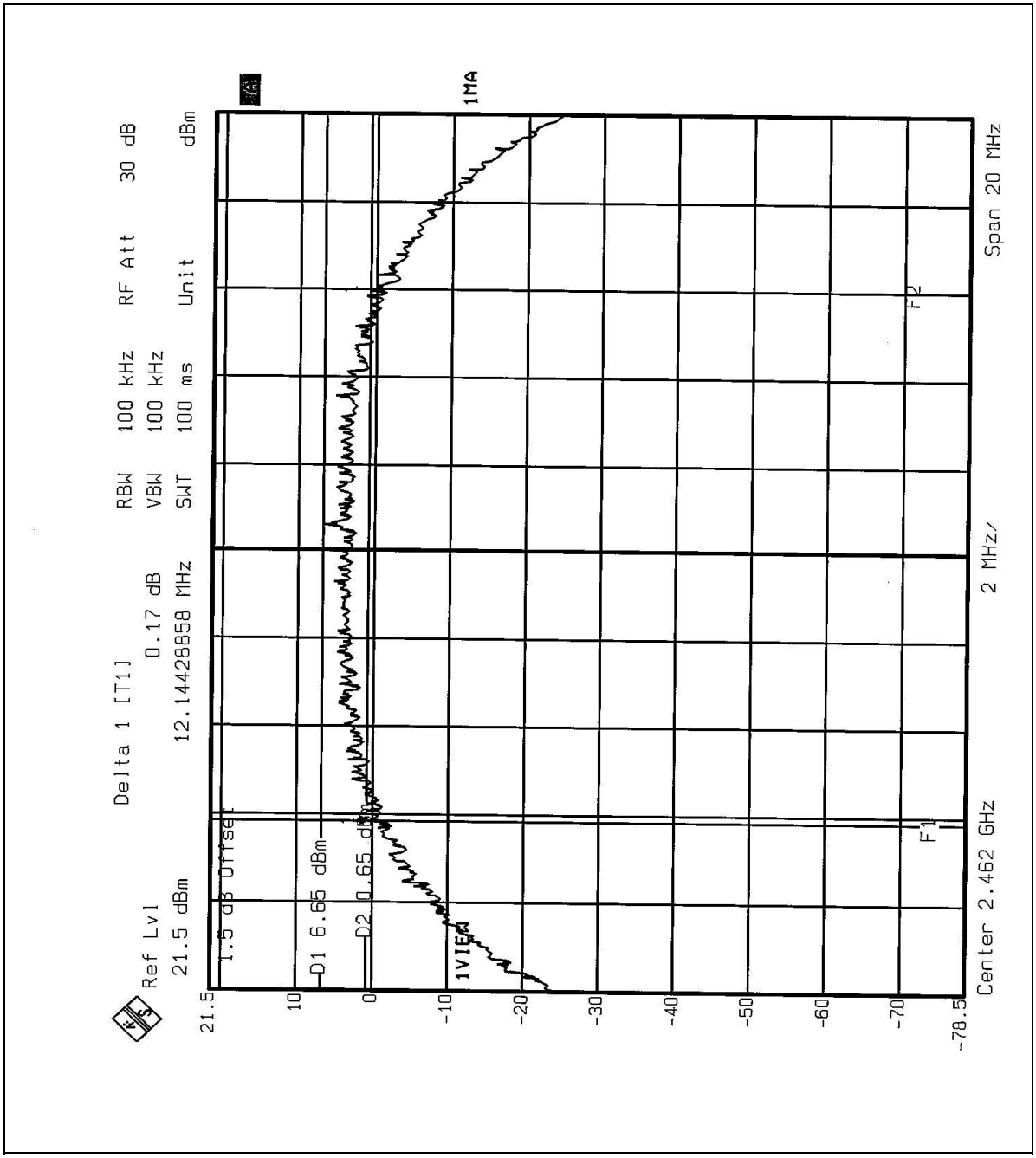
CH1


Delta 1 [T1]
-0.23 dB
12.14428858 MHz
Ref Lvl
21.5 dBm
RBW 100 kHz
VBW 100 kHz
SWT 100 ms
RF Att 30 dB
Unit dBm
1MA
1VIEW
D1 5.68 dBm
D2 0.32
1.5 dB Offset
Span 20 MHz
2 MHz/
Center 2.412 GHz
F1
F2
21.5
10
0
-10
-20
-30
-40
-50
-60
-70
-78.5

CH6


Delta 1 [T1]
0.20 dB
12.62525050 MHz
RBW 100 kHz
VBW 100 kHz
SWT 100 ms
RF Att 30 dB
Unit dBm
Ref Lvl
21.5 dBm
1.5 dB Offset
D1 5.95 dBm
D2 0.05 dBm
1MA
1VIEW
F1
F2
Center 2.437 GHz
2 MHz/
Span 20 MHz
21.5
10
0
-10
-20
-30
-40
-50
-60
-70
-78.5

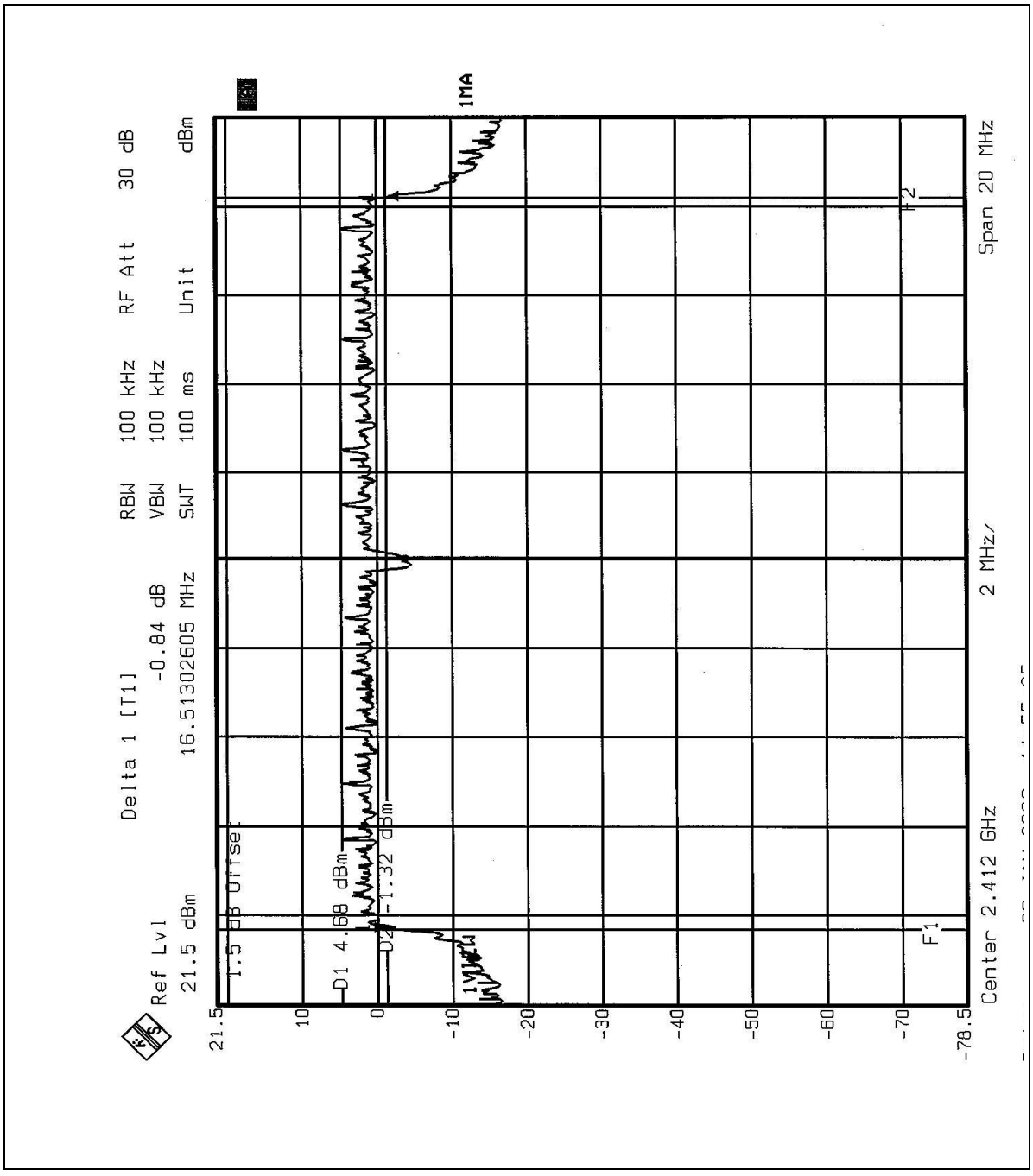
CH11


Delta 1 [T1]
0.17 dB
12.14428858 MHz
RBW 100 kHz
VBW 100 kHz
SWT 100 ms
RF Att 30 dB
Unit dBm
Ref Lvl
21.5 dBm
1.5 dB Offset
D1 6.65 dBm
D2 0.65 dB
1MA
1VIEW
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz
21.5
10
0
-10
-20
-30
-40
-50
-60
-70
-78.5

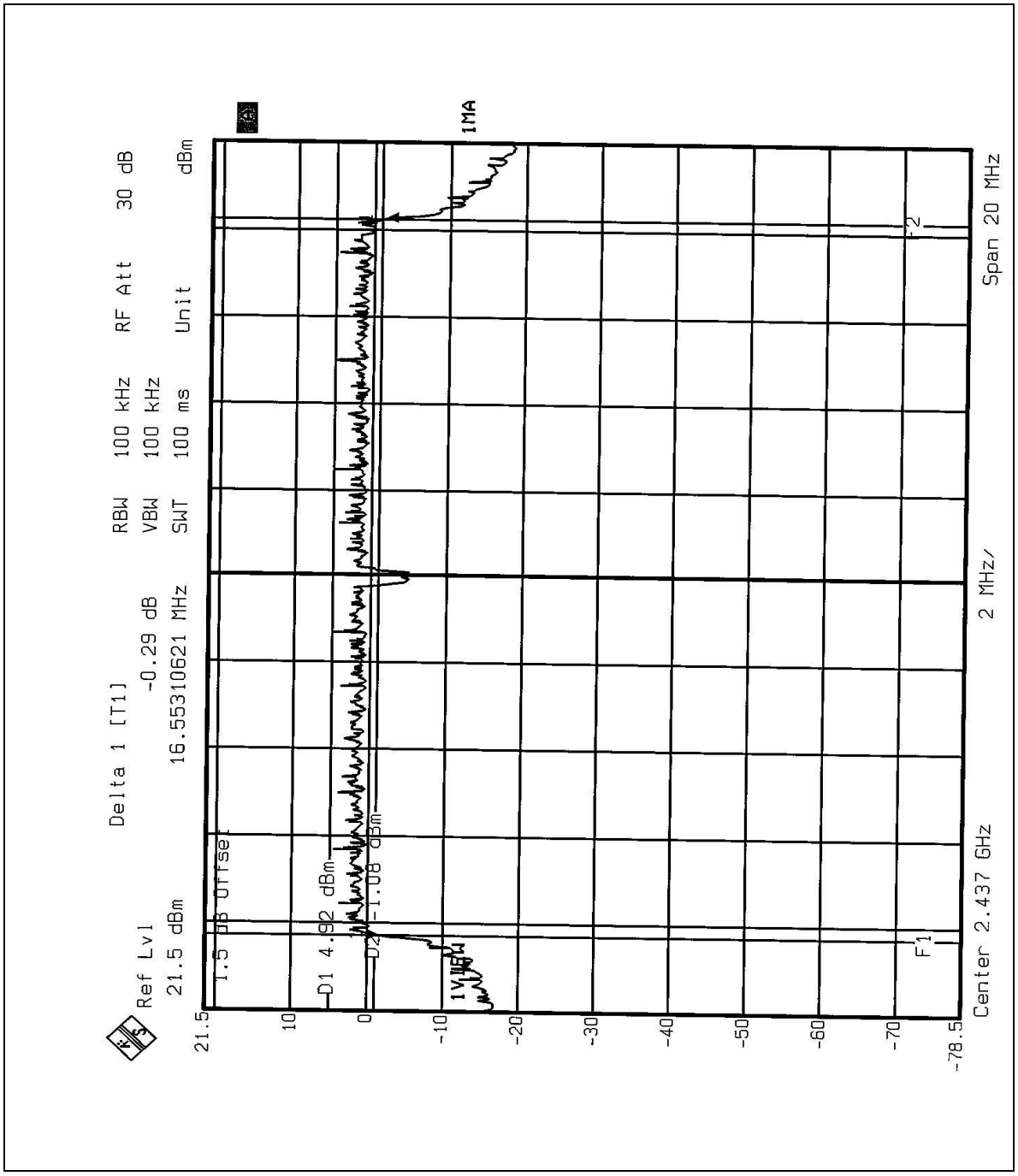
EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
		MODE	OFDM
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	21deg. C, 67%RH, 991hPa
TESTED BY: Ansen Lei			

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	16.513	0.5	PASS
6	2437	16.553	0.5	PASS
6 (Turbo Mode)	2437	35.982	0.5	PASS
11	2462	16.633	0.5	PASS

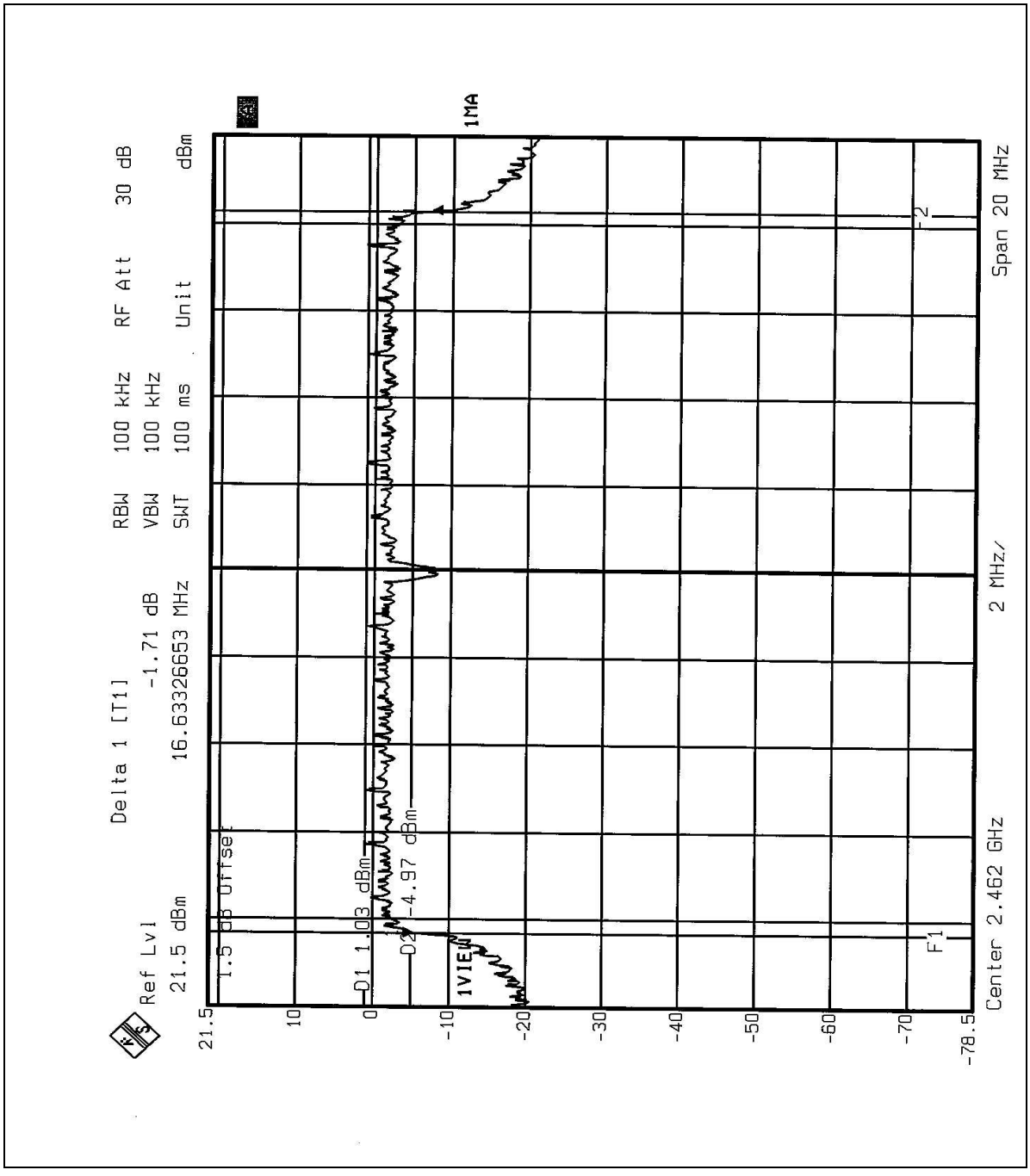
CH1


Ref Lvl
21.5 dBm
1.5 dB Offset
Delta 1 [T1]
-0.84 dB
16.51302605 MHz
RBW 100 kHz
VBW 100 kHz
SWT 100 ms
RF Att 30 dB
Unit dBm
1MA
D1 4.68 dBm
D2 -1.32 dBm
Center 2.412 GHz
2 MHz/
Span 20 MHz
F1
F2
21.5
10
0
-10
-20
-30
-40
-50
-60
-70
-78.5

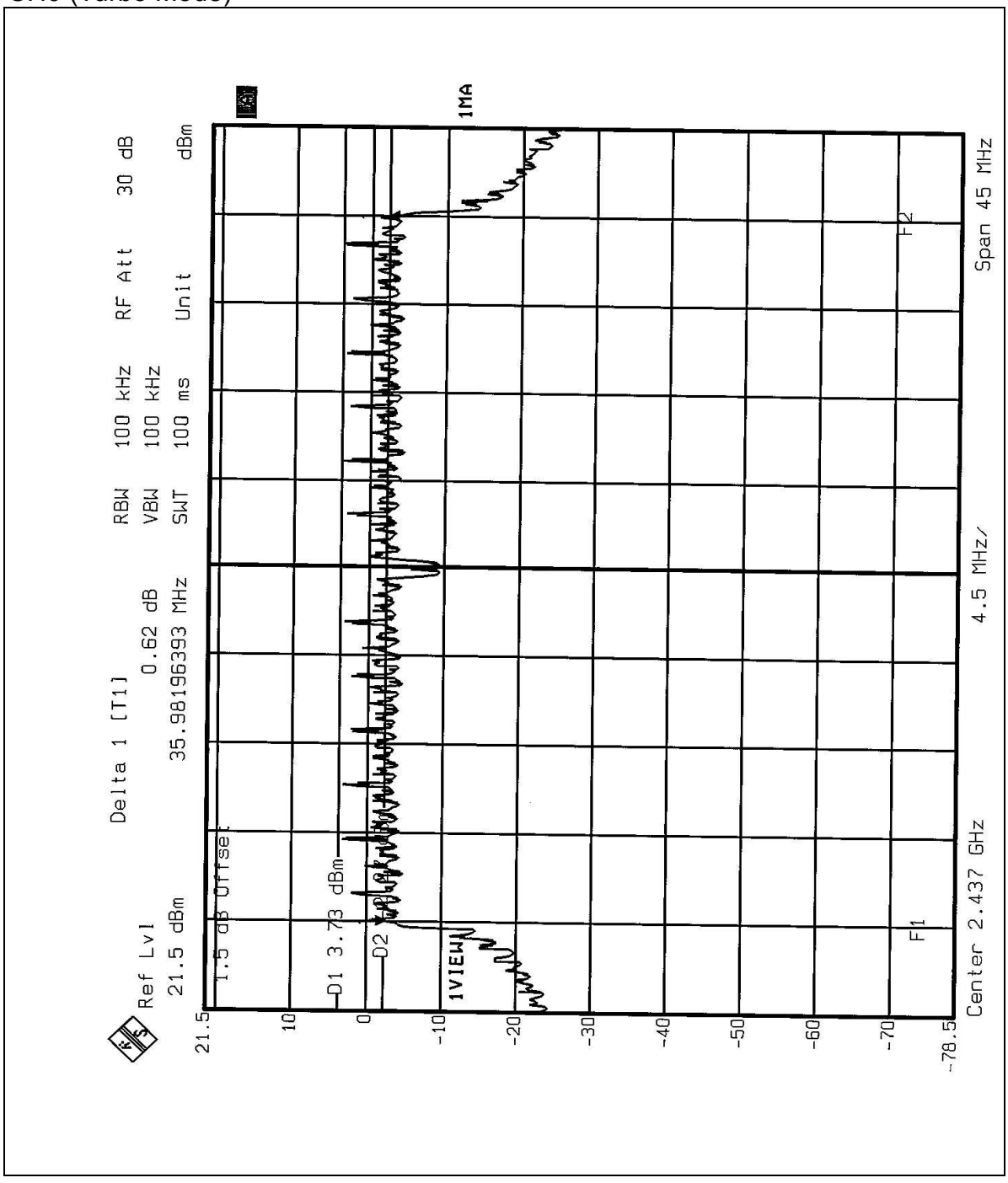
CH6


Delta 1 [T1]
-0.29 dB
16.55310621 MHz
RBW 100 kHz
VBW 100 kHz
SWT 100 ms
RF Att 30 dB
Unit dBm
Ref Lvl
21.5 dBm
1.5 dB Offset
D1 4.92 dBm
D2 -1.08 dBm
1MA
1VIEW
F1
Center 2.437 GHz
2 MHz/
Span 20 MHz
21.5
10
0
-10
-20
-30
-40
-50
-60
-70
-78.5

CH11


Ref Lvl
21.5 dBm
1.5 dB Offset
Delta 1 [T1]
-1.71 dB
16.63326653 MHz
RBW 100 kHz
VBW 100 kHz
SWT 100 ms
RF Att 30 dB
Unit dBm
1MA
D1 1.03 dBm
D2 -4.97 dBm
1VIEW
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz
21.5
10
0
-10
-20
-30
-40
-50
-60
-70
-78.5

CH6 (Turbo Mode)



4.4 MAXIMUM PEAK OUTPUT POWER

4.4.1 LIMITS OF MAXIMUM PEAK OUTPUT POWER MEASUREMENT

The Maximum Peak Output Power Measurement is 30dBm.

4.4.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
POWER METER	E4416A	GB41291118	July 30, 2003
PEAK POWER SENSOR	E9327A	US40440722	July 30, 2003

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

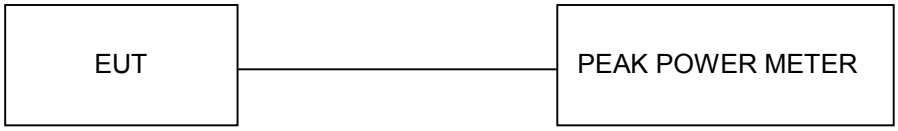
4.4.3 TEST PROCEDURES

The transmitter output was connected to the peak power meter.

4.4.4 DEVIATION FROM TEST STANDARD

No deviation

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

Same as Item 4.3.6

4.4.7 TEST RESULTS

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
		MODE	CCK
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	21deg. C, 67%RH, 991hPa
TESTED BY: Ansen Lei			

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	16.12	30	PASS
6	2437	17.05	30	PASS
11	2462	16.68	30	PASS

EUT	High-Speed 2.4GHz WLAN Mini PCI Card	**MODEL**	WMP-G01
		MODE	OFDM
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	21deg. C, 67%RH, 991hPa
TESTED BY: Ansen Lei			

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	18.86	30	PASS
6	2437	20.78	30	PASS
6 (Turbo Mode)	2437	21.68	30	PASS
11	2462	18.69	30	PASS

4.5 POWER SPECTRAL DENSITY MEASUREMENT

4.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

4.5.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SPECTRUM ANALYZER	FSEK30	100049	July 24, 2003

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