CLASS II PERMISSIVE CHANGE MEASUREMENT REPORT of Wireless Ethernet Router

Applicant	:	ASUSTek Computer Inc
EUT	:	Wireless Router
Model No.	:	WL-520G
FCC ID	:	MSQWL520G

Tested by :

Training Research Co., Ltd.

 TEL: 886-2-26935155
 FAX: 886-2-26934440

 No. 255, Nanyang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C.

Report No.: A5415060015, FCC Part15 Class II Permissive Change Training Research Co., Ltd., TEL: 886-2-26935155, Fax: 886-2-26934440

CERTIFICATION

We here by verify that:

The test data, data evaluation, test procedures and equipment configurations shown in this report were made mainly in accordance with the procedures given in ANSI C63.4 (2003) as a reference. All test were conducted by *Training Research Co., Ltd.*, 255 Nanyang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C. Also, we attest to the accuracy of each.

We further submit that the energy emitted by the sample EUT tested as described in the report is **<u>in compliance with</u>** the technical requirements set forth in the FCC Rules Part 15 Subpart B (Declaration of Conformity) and C Section 15.247.

Applicant	:	ASUSTek Computer Inc.
Applicant Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan, R.O.C.
Product Name	:	125 High Speed Wireless Router
Model	:	WL-520G
Report No.	:	A5415050256
Test Date	:	March 14, 2006

Approved by: Prepared by: Hack Frank Tsai

Conditions of issue :

- (1) <u>This test report shall not be reproduced except in full, without written approval of TRC. And</u> <u>the test result contained within this report only relate to the sample submitted for testing.</u>
- (2) <u>This report must not be used by the client to claim product endorsement by NVLAP or any</u> <u>agency of U.S. Government.</u>
- (3) <u>This test report, measurements made by TRC are traceable to the NIST only Conducted and</u> <u>Radiated Method.</u>



Federal Communications Commission Declaration of Conformity

for the following equipment:

Product name	:	125 High Speed Wireless Router
Model name	:	WL-520G
Trade name	:	ASUS

Is herewith confirmed and found to comply with the requirements of CFR 47 part15 Subpart B - Unintentional Radiators regulation. The results of electromagnetic mission evaluation are shown in the <u>report number : A5415060015</u>

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation

Manufacturer	USA local representative
Company name:	
ASUSTeK Computer Inc.	To be determined
Computer address:	
4/F, 150, Li-Te Rd., Peitou, Taipei, Taiwan	
ZIP / Postal code	
112	
Contact person:	
Lawrence Yu	
Title:	
Manager	
Internet e-mail address:	
lawrence_yu@asus.com.tw	
Tel / Fax:	
886-2-28943447 / 886-2-28950113	

Tables of Contents

I.	GEN	NERAL	5
	1.1	Introduction	5
	1.2	Description of EUT	5
	1.3	Test method	6
	1.4	Description of Support Equipment	7
	1.5	Configuration of System Under Test	10
	1.6	Verify the Frequency and Channel	12
	1.7	Test Procedure	13
	1.8	Location of the Test Site	13
	1.9	General Test Condition	13
III.	Sect	ion 15.207 : Power Line Conducted Emissions for AC Powered Units	15
	3.1	Test Condition & Setup	15
	3.2	List of Test Instruments	16
	3.3	Test Result of Conducted Emissions	17
		Standby mode	17
			10
		IEEE 802.11b CH 01	18
		IEEE 802.11b CH 01 IEEE 802.11b CH 06	18
		IEEE 802.11b CH 01 IEEE 802.11b CH 06 IEEE 802.11b CH 11	18 18 19
		IEEE 802.11b CH 01	18 18 19 19
		IEEE 802.11b CH 01	18 18 19 19 20

I. GENERAL

1.1 Introduction

The following measurement report is submitted on behalf of applicant in support that the certification in accordance with Part 2 Subpart J and Part 15 Subpart A, B and C of the Commission's Rules and Regulations.

5/20

1.2 Description of EUT

FCC ID	:	MSQWL520G
Product Name	:	125 High Speed Wireless Router
Model Name	:	WL-520G
Frequency Range	:	2.412GHz ~ 2.462GHz
Support Channel	:	11 Channels
Modulation Skill	:	DBPSK, DQPSK, CCK, OFDM
Power Type	:	 Powered by the AC-DC adapter (1) or (2) or (3), 1) Model: DV-0980S-B20 [DVE] I/P: 120VAC, 60Hz, 14W O/P: 9VDC, 800mA 190cm length, non-shielded, no ferrite core 2) Model: 480910003CT [LEI] I/P: 120VAC 60Hz 15.5W O/P: 9.0VDC 1000mA 185cm length, non-shielded, no ferrite core
		 3) Model: AM-0900800D41 [AMIGO] I/P: 120VAC 60Hz 15W O/P: 9VDC 800mA 186cm length, non-shielded, no ferrite core
Data Cable	:	RJ45 cable x1, 60cm length, non-shielded, no ferrite core RJ45 cable x3, 1m length, non-shielded, no ferrite core RJ45 cable x1, 30m length, non-shielded, no ferrite core

1.3 Test method

- 1.3.1 The LAN1, LAN2 and LAN3 ports of EUT are termination by RJ45 cables.
- 1.3.2 The WAN port connected to far Hub.
- 1.3.3 Connected the LAN4 port of EUT with the LAN card of PC. Using PC and software provided by the manufacturer to control EUT, the test is performed under the specific conditions.
- 1.3.4 Set different data rate and channel (CH01/CH06/CH11) being tested (a) Radiated for Intentional test:

making EUT to the mode of continuous transmission

(b) Conducted test and Radiated for unintentional test: making EUT to the linking (Rx/Tx) mode with far support equipments

1.4 Description of Support Equipment

In order to construct the minimum testing, following equipment were used as the support units.

PC	:	IBM 8434
Model No.	:	IVG
Serial No.	:	99CCZG9
FCC ID	:	N/A, DoC (Declaration of Confirmation) Approved
BSMI	:	R33026
Power type	:	$100 \sim 127 VAC/6A, 200 \sim 240 VAC/3A, 50 \sim 60 Hz, Switching$
Power cord	:	Non-shielded, 1.8m length, Plastic hood, No ferrite core

Monitor	:	HP 15' Color Monitor
Model No.	:	D8894A
Serial No.	:	CN02364355
FCC ID	:	ARSCM356N
BSMI	:	3882A031
Power type	:	100 ~ 240 VAC / 1.5A, 50 ~ 60 Hz, Switching
Power cord	:	Non-shielded, 1.80m length, Plastic hood, No ferrite core
Data cable	:	Shielded, 1.50m length, Plastic hood, with ferrite core

LAN Card	:	D-Link
Model No.	:	DFE-530TX
Serial No.	:	0050BAE32FF3
FCC ID	:	N/A, DoC Approved

Printer	:	EPSON
Model No.	:	B241A
Serial No.	:	FAPY155090
FCC ID	:	N/A, DoC Approved
BSMI	:	R33126
Power type	:	Switching adaptor
Power cord	:	Non-shielded, 198cm length, No ferrite core
Data cable	:	Shielded, 1.50m length, No ferrite core

PS/2 Mouse	:	HP
Model No.	:	M-S69
Serial No.	:	334684-002 323614-001
FCC ID	:	DoC Approved
BSMI	:	R41126
Power type	:	By PC
Power cord	:	Shielded, 1.90m length, No ferrite core
PS/2 Keyboard	:	HP
Model No.	:	5181
Serial No.	:	BE21700405
FCC ID	:	DoC Approved
BSMI	:	3892C981
Power type	:	By PC
Data cable	:	Shielded, 1.73m length, no ferrite core
Modem	:	ACEEX
Modem Model No.	:	ACEEX DM-1414
Modem Model No. Serial No.	•	ACEEX DM-1414 9010583
Modem Model No. Serial No. FCC ID	•	ACEEX DM-1414 9010583 IFAXDM1414
Modem Model No. Serial No. FCC ID Power type	•	ACEEX DM-1414 9010583 IFAXDM1414 Linear
Modem Model No. Serial No. FCC ID Power type Power cord	:	ACEEX DM-1414 9010583 IFAXDM1414 Linear Non-shielded, 1.9m length, No ferrite cord
Modem Model No. Serial No. FCC ID Power type Power cord Data cable	• • • • •	ACEEX DM-1414 9010583 IFAXDM1414 Linear Non-shielded, 1.9m length, No ferrite cord RS232, Shielded, 1.2m length, No ferrite core
Modem Model No. Serial No. FCC ID Power type Power cord Data cable	:	ACEEX DM-1414 9010583 IFAXDM1414 Linear Non-shielded, 1.9m length, No ferrite cord RS232, Shielded, 1.2m length, No ferrite core RJ11C x 2, 7' length non-shielded, No ferrite core
Modem Model No. Serial No. FCC ID Power type Power cord Data cable	:	ACEEX DM-1414 9010583 IFAXDM1414 Linear Non-shielded, 1.9m length, No ferrite cord RS232, Shielded, 1.2m length, No ferrite core RJ11C x 2, 7' length non-shielded, No ferrite core
Modem Model No. Serial No. FCC ID Power type Power cord Data cable USB Game pad	•	ACEEX DM-1414 9010583 IFAXDM1414 Linear Non-shielded, 1.9m length, No ferrite cord RS232, Shielded, 1.2m length, No ferrite core RJ11C x 2, 7' length non-shielded, No ferrite core Logitech
Modem Model No. Serial No. FCC ID Power type Power cord Data cable USB Game pad Model No.	• • • • • • • • • • •	ACEEX DM-1414 9010583 IFAXDM1414 Linear Non-shielded, 1.9m length, No ferrite cord RS232, Shielded, 1.2m length, No ferrite core RJ11C x 2, 7' length non-shielded, No ferrite core Logitech G-UC3B
Modem Model No. Serial No. FCC ID Power type Power cord Data cable USB Game pad Model No. Serial No.	• • • • • • • • • • • • • • • • • • • •	ACEEX DM-1414 9010583 IFAXDM1414 Linear Non-shielded, 1.9m length, No ferrite cord RS232, Shielded, 1.2m length, No ferrite core RJ11C x 2, 7' length non-shielded, No ferrite core Logitech G-UC3B AE3500500
Modem Model No. Serial No. FCC ID Power type Power cord Data cable USB Game pad Model No. Serial No. FCC ID	• • • • • • • • • • • • • • • • • • • •	ACEEX DM-1414 9010583 IFAXDM1414 Linear Non-shielded, 1.9m length, No ferrite cord RS232, Shielded, 1.2m length, No ferrite core RJ11C x 2, 7' length non-shielded, No ferrite core Logitech G-UC3B AE3500500 DoC Approved
Modem Model No. Serial No. FCC ID Power type Power cord Data cable USB Game pad Model No. Serial No. FCC ID BSMI	• • • • • • • • • • • • •	ACEEX DM-1414 9010583 IFAXDM1414 Linear Non-shielded, 1.9m length, No ferrite cord RS232, Shielded, 1.2m length, No ferrite core RJ11C x 2, 7' length non-shielded, No ferrite core Logitech G-UC3B AE3500500 DoC Approved 4902A047
Modem Model No. Serial No. FCC ID Power type Power cord Data cable USB Game pad Model No. Serial No. FCC ID BSMI Power type	• • • • • • • • • • • • • • • • • • • •	ACEEX DM-1414 9010583 IFAXDM1414 Linear Non-shielded, 1.9m length, No ferrite cord RS232, Shielded, 1.2m length, No ferrite core RJ11C x 2, 7' length non-shielded, No ferrite core Logitech G-UC3B AE3500500 DoC Approved 4902A047 Powered by PC

:	Twinhead
:	N222S
:	SY3261000988
:	DoC (Declaration of Confirmation) Approved
:	71001018
:	LI Shin International Enterprise Corp.
:	LSE9802A2060
:	A20231065818
:	3882B381
:	100 ~ 240VAC / 50 ~ 60Hz, 1.5A, Switching
:	Non-shielded, 1.0m length, Plastic hood, No ferrite core
	(Main power to adaptor)
	Shielded, 1.5m length, Plastic hood, ferrite core
	(DC plug to adaptor)
:	Gemtek Technology Co., Ltd.
:	C911003
:	MXF-C911003
:	ASUS
:	GX2048
:	None (CE approval)
:	Switching adaptor
	: : : : : : : : : : : : : : : : : : :

1.5 Configuration of System Under Test





Connections of Equipment

- **<u>PC:</u>** *Parallel Port --- a printer
 - *VGA Port --- a monitor
 - *Serial Port --- an external modem
 - *USB Port --- a USB gamepad
 - *LAN Interface --- EUT
 - *PS/2-key Port --- a PS/2 keyboard
 - *PS/2-mouse Port --- a PS/2 mouse

1.5.2 Radiated of Intentional



The tests below are carried with the EUT transmitter set at high power in TDD mode. The EUT is forced to select of output power level and channel number by LAN port.

The setting up procedure was recorded in 1.3 test method.

Channel	Frequency (GHz)			
1	2.412			
2	2.417			
3	2.422			
4	2.427			
5	2.432			
6				
7	2.442			
8	2.447			
9	2.452			
10	2.457			
11	2.462			

1.6 Verify the Frequency and Channel

Note:

- 1. This is for confirming that all frequencies are in 2.412GHz to 2.462GHz.
- Section 15.31(m): Measurements on intentional radiators or receivers shall be performed at three frequencies for operating frequency range over 10 MHz (The locations of these frequencies one near the top, one near the middle and one near the bottom.)
- 3. After test, the EUT operating frequencies are in 2.412GHz to 2.462GHz. So all the items as followed in testing report are need to test these three frequencies:

Top: Channel -1; Middle: Channel -6; Bottom: Channel -11.

1.7 Test Procedure

All measurements contained in this report were performed mainly according to the techniques described in ANSI C63.4 (2003) and the pre-setup was written on 1.3 test method, the detail setup was written on each test item.

1.8 Location of the Test Site

The radiated emissions measurements required by the rules were performed on the **three-meter**, **Anechoic Chamber (FCC Registration Number: 93906)** maintained by *Training Research Co., Ltd.* 1F, No. 255 Nanyang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C. Complete description and measurement data have been placed on file with the commission. The conducted power line emissions tests and other test items were performed in a anechoic chamber also located at Training Research Co., Ltd.

No. 255 Nanyang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C. *Training Research Co., Ltd.* is listed by the FCC as a facility available to do measurement work for others on a contract basis.

1.9 General Test Condition

The conditions under which the EUT operates were varied to determine their effect on the equipment's emission characteristics. The final configuration of the test system and the mode of operation used during these tests were chosen as that which produced the highest emission levels. However, only those conditions, which the EUT was considered likely to encounter in normal use were investigated.

In test, they were set in high power and continuously transmitting mode that controlled by computer. The ch01, ch06 and ch11 of EUT were all tested. The setting up procedure is recorded on 1.3 test method.

II. Section 15.101(a): Equipment authorization of unintentional radiators

The EUT equipped with a LAN interface and should be operated with the computer. It was categorized to *Class B personal computers and peripherals* as cannot be operated stand-alone. The authorization requires **Declaration of Conformity (DoC)** and the items required such as Section 15.107 (Conducted limits) and Section 15.109 (Radiated emission limits) is same as Section 15.207 and 15.247(C).

III. Section 15.207: Power Line Conducted Emissions for AC Powered Units

3.1 Test Condition & Setup

The power line conducted emission measurements were performed in an anechoic chamber. The EUT was assembled on a wooden table, which is 80 centimeters high, was placed 40 centimeters from the backwall and at least 1 meter from the sidewall.

Power was fed to the EUT from the public utility power grid through a line filter and Line Impedance Stabilization Networks (LISNs). The LISN housing, measuring instrumentation case, ground plane, etc., were electrically bonded together at the same RF potential. The Spectrum analyzer (or EMI receiver) was connected to the AC line through an isolation transformer. The 50-ohm output of the LISN was connected to the spectrum analyzer directly. Conducted emission levels were in the CISPR quasi-peak and average detection mode. The analyzer's 6 dB bandwidth was set to 9 KHz. No post-detector video filter was used.

The spectrum was scanned from 150 KHz to 30 MHz. The physical arrangement of the test system and associated cabling was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude and frequency. All spurious emission frequencies were observed. The highest emission amplitudes relative to the appropriate limit were measured and have been recorded in paragraph 3.3

There is a test condition apply in this test item, the test procedure description as <1.3>. Three channels were tested, one in the top (CH01), one in the middle (CH06) and the other in bottom (CH11).

3.2 List of Test Instruments

				Calibration Date
Instrument Name	Model	Brand	Serial No.	Next time
EMI Receiver	8546A	HP	3520A00242	06/01/06
RF Filter Section	85460A	HP	3448A00217	06/01/06
LISN	LISN-01	TRC	99-05	12/10/06
(EUT)				
LISN	LISN-01	TRC	9912-03, 04	11/26/06
(Support E.)				
Pre-amplifier	15542 ZFL-500	Mini –	0 0117	05/20/06
		Circuits		
6dB	MCL BW-S6W2	Mini –	9915 -	05/20/06
Attenuator		Circuits	Conducted	
10dB	A5542 VAT010	Mini –	0215 -	05/20/06
Attenuator		Circuits	Conducted	
Coaxial Cable	A30A30-0058-50FS-2M	Jyebao	SMA-08	05/20/06
(2.0 meter)				
Coaxial Cable	A30A30-0058-50FS-1M	Jyebao	SMA-09	05/20/06
(1.1 meter)				
Coaxial Cable	RG-214/U	Jyebao	NP-01	05/20/06
(20 meter)				
Coaxial Cable	RG-214/U	Jyebao	NP-02	05/20/06
(20 meter)				
Auto Switch Box	ASB-01	TRC	9904-01	05/20/06
(< 30MHz)				

3.3 Test Result of Power Line Conducted Emissions

The following table shows a summary of the highest emissions of power line conducted emissions on the LIVE and NETURAL conductors of the EUT power cord. Show as follows.

Test Conditions: Temperature : 25 °C Humidity : 73 % RH

Pov	ver Conne	cted	Emissions	7	Class B			
Conductor	Frequency	Peak	QP	Average	QP-limit	AVG-limit	Margin	
	(KHz)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dB)	
	153.590	56.93	49.13	9.26	66.00	56.00	-16.87	
	160.135	56.95	47.77	8.43	65.63	55.63	-17.86	
Po Conductor Line 1	3094.000	33.29			56.00	46.00	-12.71	
	7220.000	39.65			60.00	50.00	-10.35	
	10307.685	49.16	47.14	31.74	60.00	50.00	-12.86	
Line 1	18240.000	39.49			60.00	50.00	-10.51	
	153.500	56.88	48.88	8.96	66.00	56.00	-17.12	
	157.545	56.75	48.08	7.97	65.77	55.77	-17.69	
	180.000	48.47			65.14	55.14	-6.67	
Line 2	10430.000	45.12			60.00	50.00	-4.88	
Conductor Line 1	15040.000	37.68			60.00	50.00	-12.32	
	19720.000	38.97			60.00	50.00	-11.03	

Test mode: Standby mode

NOTE:

(1)Margin = Peak Amplitude – Limit, *The reading amplitudes are all under limit.*

(2)A "+" sign in the margin column means the emission is OVER the Class B Limit and "-" sign of means UNDER the Class B limit

Pov	ver Conne	ected 1	Emissions	7	Class B			
Conductor	Frequency	Peak	QP	Average	QP-limit	AVG-limit	Margin	
	(KHz)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dB)	
	153.680	56.31	48.26	8.65	66.00	56.00	-17.74	
	156.590	56.20	47.65	8.51	65.83	55.83	-18.18	
	179.000	47.98			65.17	55.17	-7.19	
Line 1	10409.160	48.35	44.54	31.58	60.00	50.00	-15.46	
	16230.000	38.77			60.00	50.00	-11.23	
	19720.000	37.45			60.00	50.00	-12.55	
	154.500	56.22	48.10	8.26	65.94	55.94	-17.84	
	160.635	56.22	46.69	8.02	65.60	55.60	-18.91	
	171.000	50.49			65.40	55.40	-4.91	
Line 1 Line 2	179.000	47.11			65.17	55.17	-8.06	
	10290.000	44.09			60.00	50.00	-5.91	
	20200.000	37.59			60.00	50.00	-12.41	

Test mode: IEEE 802.11b Channel 1

Test mode: IEEE 802.11b Channel 6

Por	wer Conne	ected	Emissions	5		Class B	
Conductor	Frequency	Peak	QP	Average	QP-limit	AVG-limit	Margin
	(KHz)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dB)
	155.045	56.47	48.19	8.49	65.91	55.91	-17.72
	166.000	52.00			65.54	55.54	-3.54
Conductor Line 1 Line 2	183.000	44.84			65.06	55.06	-10.22
	3062.000	33.84			56.00	46.00	-12.16
	9880.000	46.90			60.00	50.00	-3.10
	16160.000	37.70			60.00	50.00	-12.30
	154.590	56.51	48.30	8.22	65.94	55.94	-17.64
	159.135	56.51	47.25	8.18	65.69	55.69	-18.44
	187.000	43.63			64.94	54.94	-11.31
Line 1 Line 2	3004.000	31.46			56.00	46.00	-14.54
	10240.000	43.70			60.00	50.00	-6.30
	19720.000	40.23			60.00	50.00	-9.77

1 csi moue.	Test moue. ILLL 002.110 Channel 11								
Pov	ver Conne	ected 1	Emissions	5		Class B			
Conductor	Frequency	Peak	QP	Average	QP-limit	AVG-limit	Margin		
	(KHz)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dB)		
	153.545	56.68	48.72	8.93	66.00	56.00	-17.28		
	159.090	56.68	47.79	8.66	65.69	55.69	-17.90		
Line 1	174.000	49.90			65.31	55.31	-5.41		
Line 1	3126.000	35.70			56.00	46.00	-10.30		
	10390.000	46.78			60.00	50.00	-3.22		
Line 1 Line 2	19720.000	39.94			60.00	50.00	-10.06		
	155.135	56.63	48.45	8.40	65.91	55.91	-17.46		
	157.770	56.68	47.99	8.57	65.77	55.77	-17.78		
	172.000	50.86			65.37	55.37	-4.51		
Line 2	6980.000	36.20			60.00	50.00	-13.80		
	10390.000	43.87			60.00	50.00	-6.13		
	19720.000	40.10			60.00	50.00	-9.90		

Test mode · IEEE 802 11b Channel 11

Test mode: IEEE 802.11g Channel 1

Por	ver Conne	ected	Emissions	5		Class B	
Conductor	Frequency	Peak	QP	Average	QP-limit	AVG-limit	Margin
	(KHz)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dB)
	153.725	55.22	46.90	9.27	66.00	56.00	-19.10
	159.000	49.97			65.74	55.74	-5.77
	167.000	46.67			65.51	55.51	-8.84
Line 1	3094.000	32.90			56.00	46.00	-13.10
	10190.000	45.10			60.00	50.00	-4.90
	19720.000	36.50			60.00	50.00	-13.50
	153.000	52.78			65.91	55.91	-3.13
	155.000	52.02			65.86	55.86	-3.84
	161.000	49.99			65.69	55.69	-5.70
Line 2	172.000	44.53			65.37	55.37	-10.84
	7220.000	35.67			60.00	50.00	-14.33
	10090.000	41.26			60.00	50.00	-8.74

Pov	ver Conne	cted	Emissions	5	Class B			
Conductor	Frequency	Peak	QP	Average	QP-limit	AVG-limit	Margin	
	(KHz)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(<i>dB</i>)	
	154.860	56.13	47.70	9.36	65.94	55.94	-18.24	
	159.000	52.35			65.74	55.74	-3.39	
	179.000	43.89			65.17	55.17	-11.28	
Line 1	6710.000	37.21			60.00	50.00	-12.79	
	10480.000	44.96			60.00	50.00	-5.04	
	20200.000	38.97			60.00	50.00	-11.03	
	155.000	56.36	47.85	9.05	65.91	55.91	-18.06	
	159.000	52.67			65.74	55.74	-3.07	
	166.000	50.10			65.54	55.54	-5.44	
Line 2	180.000	43.59			65.14	55.14	-11.55	
	10630.000	42.29			60.00	50.00	-7.71	
	20200.000	38.80			60.00	50.00	-11.20	

Test mode: IEEE 802.11g Channel 6

Test mode: IEEE 802.11g Channel 11

Pov	ver Conne	ected	Emissions	5	FC	C Class	B
Conductor	Frequency	Peak	QP	Average	QP-limit	AVG-limit	Margin
	(KHz)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dBµV)	(dB)
	153.680	56.65	48.67	9.41	66.00	56.00	-17.33
	156.360	56.70	48.01	9.06	65.86	55.86	-17.85
Po Conductor	163.000	52.44			65.63	55.63	-3.19
	175.000	47.28			65.29	55.29	-8.01
	10140.000	45.68			60.00	50.00	-4.32
	16160.000	38.89			60.00	50.00	-11.11
	153.905	56.68	48.61	9.17	66.00	56.00	-17.39
	156.680	56.77	48.12	8.82	65.83	55.83	-17.71
	164.000	52.21			65.60	55.60	-3.39
Line 2	175.000	47.75			65.29	55.29	-7.54
	10480.000	41.94			60.00	50.00	-8.06
	20200.000	37.02			60.00	50.00	-12.98