MEASUREMENT REPORT
of
Wireless LAN Mini-PCI Card

Applicant	**:**	ASUSTek Computer Inc.
EUT	**:**	Wireless LAN Mini-PCI Card
Model No.	**:**	WL-120g
FCC ID	**:**	MSQWL120G
Report No.	**:**	A5415482

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.

CERTIFICATION

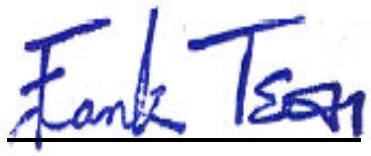
We here by verify that:

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 (1992) 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 **in compliance with** 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	**:**	Wireless Local Area Network Card
Model Name	**:**	WL-120G
FCC ID	**:**	MSQWL120G
Report No.	**:**	A5415482
Test Date	**:**	October 9, 2003

Prepared by:  *Jack Tsai*

Approved by:  *Frank Tsai*

Conditions of issue :

(1) This test report shall not be reproduced except in full, without written approval of TRC. And the test result contained within this report only relate to the sample submitted for testing.

(2) This report must not be used by the client to claim product endorsement by NVLAP or any agency of U.S. Government.

★ ***NVLAP LAB CODE: 200174-0***

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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.

1.2 Description of EUT

Product Name	:	Wireless Local Area Network Card
Model Name	:	WL-120g
Granted FCC ID	:	MSQWL120G
Frequency Range	:	2.412 GHz ~ 2.462GHz
Support Channel	:	11 Channel
Modulation Skill	:	DBPSK, DQPSK, CCK, OFDM
Power Type	:	Power by PCI interface of client' s device

1.3 Test method

1. Insert the EUT into the PCI interface of the test fixture (which is transferred from PCMCIA to mini-PCI interface)
2. Using the notebook computer and software provided by the manufacturer to control EUT. The software is operated under the Windows to control the EUT in the continuous transmission mode, the test is performed under the specific conditions.
3. Set different data rate (11Mbps/54Mbps) and channel (CH1/CH6/CH11) being tested and repeat the procedures above.
   (a) Radiated for Intentional test:
   making EUT to the mode of continuous transmission
   (b) Conducted 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.

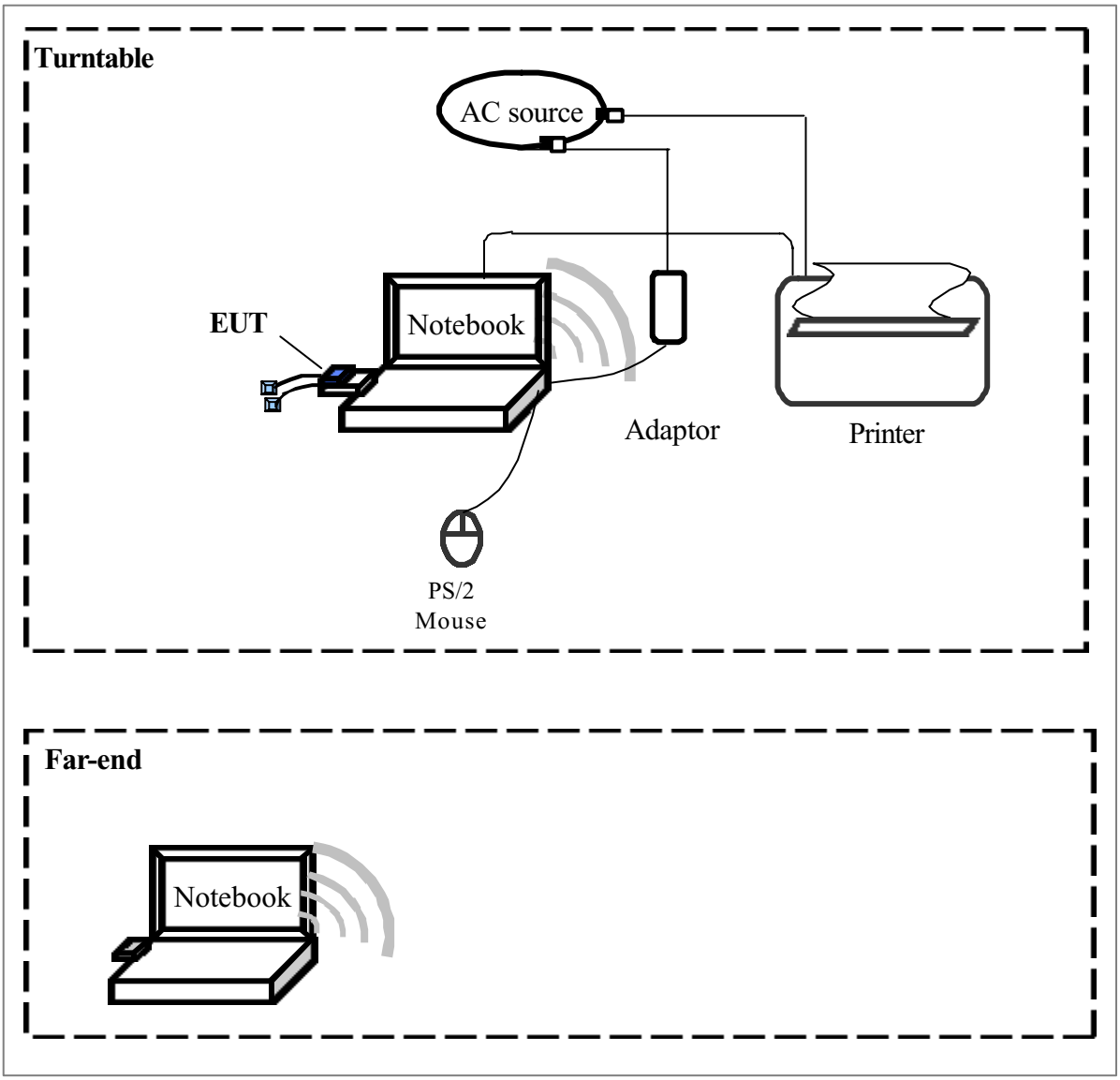
Notebook	**:**	**ASUS**
Model No.	:	M2400E
FCC ID	:	N/A, DoC Approved
Adaptor	**:**	**DELTA ELECTRONICS, INC.**
Model No.	:	ADP-65DB REV.B
Serial No.	:	Q3W0311044403
FCC ID	:	N/A, CE Approved
檢磁	:	3882B596
Power type	:	I/P: 100 ~ 240vac, 50 ~ 60 Hz, 1.5A ; O/P: 19Vdc, 3.42A
Power cable	:	Non-shielded, 1.85m length, Plastic hood, No ferrite core (Between power adaptor and AC power source)
Power cable	:	Non-Shielded, 1.70m length, with ferrite core (Between power adaptor and notebook)

Printer	**:**	**HP**
Model No.	:	C6464A
Serial No.	:	TH16LEB5PK
FCC ID	:	N/A, DoC Approved
檢磁	:	3892H381
Power type	:	Switching adaptor
Power cord	:	Non-shielded, 173cm length, No ferrite core (between adaptor and AC source) Non-shielded, 180cm length, with ferrite core (between printer and adaptor)
Data cable	:	Shielded, 1.70m length, No ferrite core

Mouse	**:**	**HP**
Model No.	:	M-S34
Serial No.	:	LZB90714106
FCC ID	:	DZL211029
檢磁	:	4862A011
Power cord	:	Non-shielded, 1.88m length, No ferrite core
Notebook	**:**	**ASUSTek Computer**
Model No.	:	AB00F
Serial No.	:	24NP016361
FCC ID	:	DoC Approved
BSMI	:	41016012
Power type	:	100 ~ 240VAC, 1A 50/60 Hz, Switching
Adaptor of PC	**:**	**LITE-ON Electronics, Inc.**
Model No.	:	PA-1530-01
Serial No.	:	00151184
FCC ID	:	Doc Approved
檢磁	:	3882B259
Power cable	:	Non-shielded, 1.72m length, Plastic hood, No ferrite core (Between power adaptor and AC power source)
Power cable	:	Shielded, 1.48m length, Plastic hood, with ferrite core (Between power adaptor and notebook)
WLAN Card	**:**	**Gemtek Technology Co., Ltd.**
Model No.	:	C911003
FCC ID	:	MXF-C911003

1.5 Configuration of System Under Test

(Conducted Test)



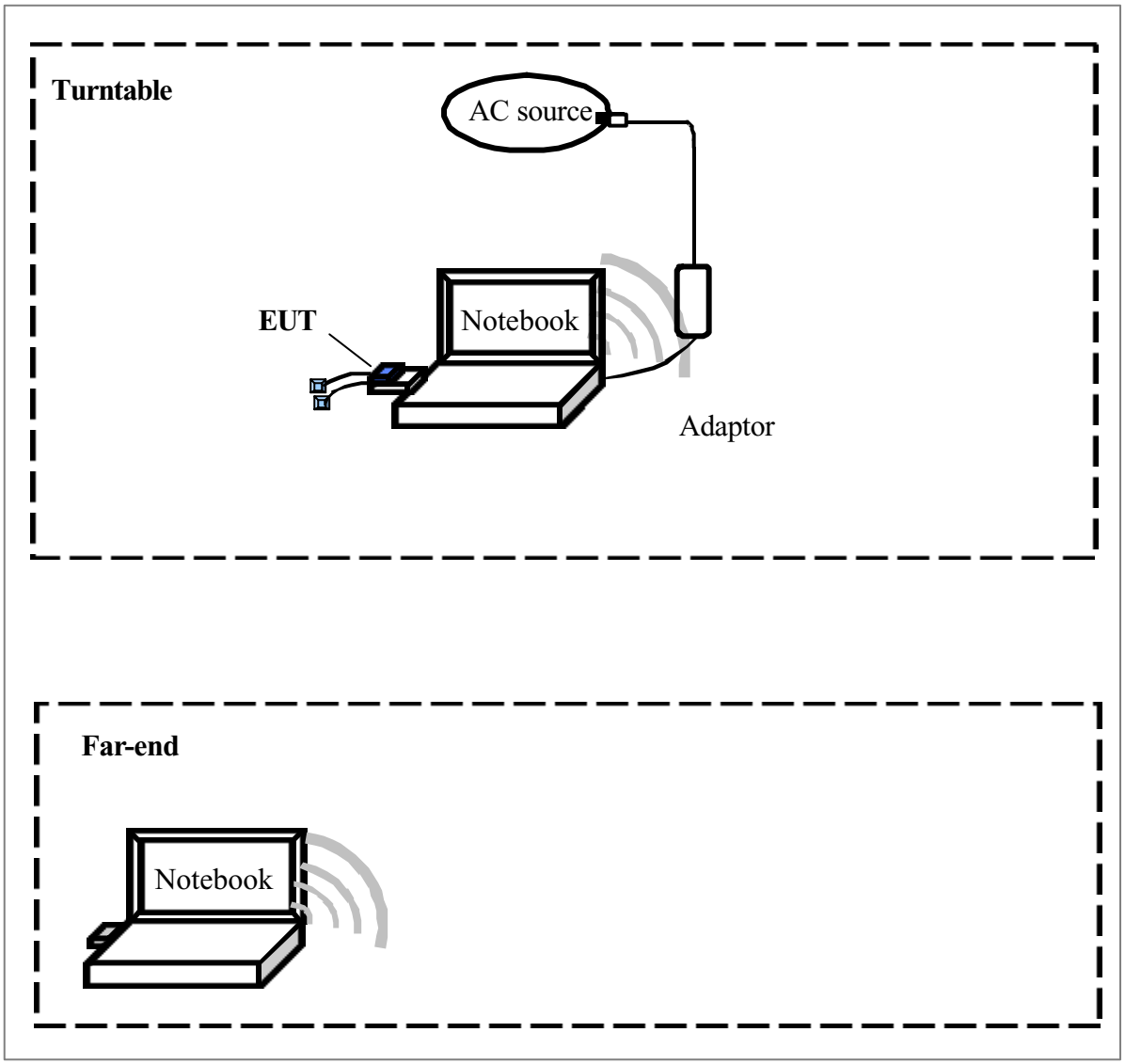
Connections of Computer:

*Parallel Port --- a printer

*PS/2 Port --- a P/2 mouse

*PCMCIA Port --- **EUT (via fixture)**

(Radiated of Intentional Test)



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 notebook computer.

The setting up procedure was recorded in 1.3 test method.

1.6 Verify the Frequency and Channel

Channel	Frequency (GHz)
1	2.412
2	2.417
3	2.422
4	2.427
5	2.432
6	2.437
7	2.442
8	2.447
9	2.452
10	2.457
11	2.462

Note:

1. This is for confirming that all frequencies are in 2.412GHz to 2.462GHz.
2. 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 (1992) 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 15.203: Antenna requirement

The EUT can be equipped with detachable antenna. The detachable external antenna is affixed to the EUT using the unique connectors; the antenna requirement stated in Section15.203 is inapplicable to this EUT.

The antenna types used in this product are PCB and Patch antennas with I-PEX/Hirose connector. The Maximum Gain of this antenna is 3dBi.

Four custom antenna specification of list as below:

Antenna Model	Antenna Type	Manufacturer	Antenna Gain (Max.)
L5C	PCB	Walsin Technology Corp.	3.0 dBi
M6N	Patch	Yageo/Phycomp (Taiwan) Ltd. Yegeo/Phycomp Electronics (China) Co, Ltd.	1.6 dBi
A2H	Patch	Yageo/Phycomp (Taiwan) Ltd. Yegeo/Phycomp Electronics (China) Co, Ltd.	1.3 dBi
S5	Patch	Yageo/Phycomp (Taiwan) Ltd. Yegeo/Phycomp Electronics (China) Co, Ltd.	0.0 dBi

Note:

(1) There antennas were selected for the final test: 3dBi , 1.6dBi , and 0dBi

(2) For more detailed features description, please reference to the Antenna Specifications (Please see attached, RF Exposure Information)

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 2.4.

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 No.	Brand	Serial No.	Last time	Next time
EMI Receiver	8546A	HP	3520A00242	07/28/03	07/28/04
RF Filter Section	85460A	HP	3448A00217	07/28/03	07/28/04
LISN (EUT)	LISN-01	TRC	9912-03,04	07/21/03	07/21/04
LISN (Support E.)	LISN-01	TRC	9912-05	06/21/03	06/21/04
Auto Switch Box (< 30MHz)	ASB-01	TRC	9904-01	11/20/02	11/20/03

The level of confidence of 95%, the uncertainty of measurement of conducted emission is ± 2.02 dB.

3.3 Test Result of Power Line Conducted Emissions

EUT station transmit only

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

Test mode: Antenna model: L5C, Standby mode

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	203.000	47.45	---	---	64.49	54.49	-7.04
	274.000	41.55	---	---	62.46	52.46	-10.91
	341.000	40.73	---	---	60.54	50.54	-9.81
	552.000	35.40	---	---	56.00	46.00	-10.60
	681.000	32.59	---	---	56.00	46.00	-13.41
	1645.000	32.48	---	---	56.00	46.00	-13.52
	5210.000	38.10	---	---	60.00	50.00	-11.90
Line 2	206.000	49.03	---	---	64.40	54.40	-5.37
	274.000	46.64	---	---	62.46	52.46	-5.82
	345.000	42.05	---	---	60.43	50.43	-8.38
	413.000	43.10	---	---	58.49	48.49	-5.39
	485.000	39.16	---	---	56.43	46.43	-7.27
	552.000	38.44	---	---	56.00	46.00	-7.56
	752.000	34.40	---	---	56.00	46.00	-11.60

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

Test mode: Antenna model: L5C, IEEE 802.11b, Channel 1

Power Connected Emissions					FCC Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	206.000	47.56	---	---	64.40	54.40	-6.84
	274.000	40.61	---	---	62.46	52.46	-11.85
	341.000	39.81	---	---	60.54	50.54	-10.73
	413.000	37.14	---	---	58.49	48.49	-11.35
	480.000	34.55	---	---	56.57	46.57	-12.02
	552.000	33.91	---	---	56.00	46.00	-12.09
Line 2	205.000	48.79	---	---	64.43	54.43	-5.64
	274.000	41.22	---	---	62.46	52.46	-11.24
	341.000	36.63	---	---	60.54	50.54	-13.91
	413.000	37.39	---	---	58.49	48.49	-11.10
	552.000	34.32	---	---	56.00	46.00	-11.68
	681.000	33.25	---	---	56.00	46.00	-12.75

Test mode: Antenna model: L5C, IEEE 802.11b, Channel 6

Power Connected Emissions					FCC Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	205.000	47.71	---	---	64.43	54.43	-6.72
	274.000	41.55	---	---	62.46	52.46	-10.91
	413.000	37.16	---	---	58.49	48.49	-11.33
	480.000	34.58	---	---	56.57	46.57	-11.99
	817.000	31.66	---	---	56.00	46.00	-14.34
	1713.000	31.75	---	---	56.00	46.00	-14.25
Line 2	206.000	49.09	---	---	64.40	54.40	-5.31
	345.000	39.69	---	---	60.43	50.43	-10.74
	409.000	37.30	---	---	58.60	48.60	-11.30
	552.000	35.40	---	---	56.00	46.00	-10.60
	681.000	33.29	---	---	56.00	46.00	-12.71
	1713.000	33.01	---	---	56.00	46.00	-12.99

Test mode: Antenna model: L5C, IEEE 802.11b, Channel 11

Power Connected Emissions					FCC Class B		
Conductor	**Frequency (KHz)**	**Peak (dBμV)**	**QP (dBμV)**	**Average (dBμV)**	**QP-limit (dBμV)**	**AVG-limit (dBμV)**	**Margin (dB)**
Line 1	205.000	48.16	---	---	64.43	54.43	-6.27
	274.000	41.69	---	---	62.46	52.46	-10.77
	341.000	39.95	---	---	60.54	50.54	-10.59
	409.000	37.42	---	---	58.60	48.60	-11.18
	552.000	34.41	---	---	56.00	46.00	-11.59
	824.000	32.28	---	---	56.00	46.00	-13.72
Line 2	155.000	44.65	---	---	65.86	55.86	-11.21
	205.000	48.79	---	---	64.43	54.43	-5.64
	274.000	41.52	---	---	62.46	52.46	-10.94
	480.000	35.00	---	---	56.57	46.57	-11.57
	547.000	34.28	---	---	56.00	46.00	-11.72
	4857.000	35.69	---	---	56.00	46.00	-10.31

Test mode: Antenna model: L5C, IEEE 802.11g, Channel 1

Power Connected Emissions					FCC Class B		
Conductor	**Frequency (KHz)**	**Peak (dBμV)**	**QP (dBμV)**	**Average (dBμV)**	**QP-limit (dBμV)**	**AVG-limit (dBμV)**	**Margin (dB)**
Line 1	205.000	50.07	---	---	64.43	54.43	-4.36
	274.000	41.64	---	---	62.46	52.46	-10.82
	341.000	41.36	---	---	60.54	50.54	-9.18
	413.000	36.97	---	---	58.49	48.49	-11.52
	547.000	35.19	---	---	56.00	46.00	-10.81
	5130.000	38.47	---	---	60.00	50.00	-11.53
Line 2	205.000	50.00	---	---	64.43	54.43	-4.43
	274.000	42.07	---	---	62.46	52.46	-10.39
	341.000	39.65	---	---	60.54	50.54	-10.89
	413.000	36.88	---	---	58.49	48.49	-11.61
	552.000	35.17	---	---	56.00	46.00	-10.83
	13920.000	37.79	---	---	60.00	50.00	-12.21

Test mode: Antenna model: L5C, IEEE 802.11g, Channel 6

Power Connected Emissions					FCC Class B		
Conductor	**Frequency (KHz)**	**Peak (dBμV)**	**QP (dBμV)**	**Average (dBμV)**	**QP-limit (dBμV)**	**AVG-limit (dBμV)**	**Margin (dB)**
Line 1	205.000	50.40	---	---	64.43	54.43	-4.03
	274.000	43.10	---	---	62.46	52.46	-9.36
	341.000	41.08	---	---	60.54	50.54	-9.46
	413.000	37.57	---	---	58.49	48.49	-10.92
	480.000	34.07	---	---	56.57	46.57	-12.50
	5210.000	39.37	---	---	60.00	50.00	-10.63
Line 2	206.000	51.06	---	---	64.40	54.40	-3.34
	274.000	41.17	---	---	62.46	52.46	-11.29
	409.000	37.02	---	---	58.60	48.60	-11.58
	547.000	34.32	---	---	56.00	46.00	-11.68
	681.000	34.37	---	---	56.00	46.00	-11.63
	5260.000	38.24	---	---	60.00	50.00	-11.76

Test mode: Antenna model: L5C, IEEE 802.11g, Channel 11

Power Connected Emissions					FCC Class B		
Conductor	**Frequency (KHz)**	**Peak (dBμV)**	**QP (dBμV)**	**Average (dBμV)**	**QP-limit (dBμV)**	**AVG-limit (dBμV)**	**Margin (dB)**
Line 1	206.000	48.79	---	---	64.40	54.40	-5.61
	274.000	40.96	---	---	62.46	52.46	-11.50
	341.000	40.41	---	---	60.54	50.54	-10.13
	552.000	33.89	---	---	56.00	46.00	-12.11
	681.000	33.32	---	---	56.00	46.00	-12.68
	5340.000	38.26	---	---	60.00	50.00	-11.74
Line 2	205.000	50.61	---	---	64.43	54.43	-3.82
	274.000	41.31	---	---	62.46	52.46	-11.15
	345.000	40.53	---	---	60.43	50.43	-9.90
	409.000	37.42	---	---	58.60	48.60	-11.18
	681.000	34.17	---	---	56.00	46.00	-11.83
	5210.000	38.87	---	---	60.00	50.00	-11.13

Test mode: Antenna model: M6N, Standby mode

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	206.000	52.39	---	---	64.40	54.40	-2.01
	274.000	44.11	---	---	62.46	52.46	-8.35
	345.000	42.68	---	---	60.43	50.43	-7.75
	480.000	36.69	---	---	56.57	46.57	-9.88
	1994.000	35.82	---	---	56.00	46.00	-10.18
	5260.000	40.64	---	---	60.00	50.00	-9.36
Line 2	180.000	49.05	---	---	65.14	55.14	-6.09
	205.000	49.07	---	---	64.43	54.43	-5.36
	274.000	46.24	---	---	62.46	52.46	-6.22
	413.000	43.28	---	---	58.49	48.49	-5.21
	480.000	40.83	---	---	56.57	46.57	-5.74
	552.000	38.58	---	---	56.00	46.00	-7.42

Test mode: Antenna model: M6N, IEEE 802.11b, Channel 1

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	206.000	51.12	---	---	64.40	54.40	-3.28
	277.000	42.56	---	---	62.37	52.37	-9.81
	341.000	41.21	---	---	60.54	50.54	-9.33
	413.000	39.39	---	---	58.49	48.49	-9.10
	480.000	37.85	---	---	56.57	46.57	-8.72
	552.000	37.22	---	---	56.00	46.00	-8.78
Line 2	205.000	48.66	---	---	64.43	54.43	-5.77
	274.000	46.54	---	---	62.46	52.46	-5.92
	341.000	42.14	---	---	60.54	50.54	-8.40
	413.000	43.65	---	---	58.49	48.49	-4.84
	480.000	40.03	---	---	56.57	46.57	-6.54
	547.000	38.51	---	---	56.00	46.00	-7.49

Test mode: Antenna model: M6N, IEEE 802.11b, Channel 6

Power Connected Emissions					FCC Class B		
Conductor	**Frequency (KHz)**	**Peak (dBμV)**	**QP (dBμV)**	**Average (dBμV)**	**QP-limit (dBμV)**	**AVG-limit (dBμV)**	**Margin (dB)**
Line 1	203.000	49.17	---	---	64.49	54.49	-5.32
	274.000	45.73	---	---	62.46	52.46	-6.73
	341.000	39.20	---	---	60.54	50.54	-11.34
	480.000	37.87	---	---	56.57	46.57	-8.70
	552.000	37.15	---	---	56.00	46.00	-8.85
	681.000	34.94	---	---	56.00	46.00	-11.06
Line 2	183.000	48.21	---	---	65.06	55.06	-6.85
	206.000	48.75	---	---	64.40	54.40	-5.65
	271.000	47.69	---	---	62.54	52.54	-4.85
	345.000	42.30	---	---	60.43	50.43	-8.13
	409.000	43.19	---	---	58.60	48.60	-5.41
	480.000	39.64	---	---	56.57	46.57	-6.93

Test mode: Antenna model: M6N, IEEE 802.11b, Channel 11

Power Connected Emissions					FCC Class B		
Conductor	**Frequency (KHz)**	**Peak (dBμV)**	**QP (dBμV)**	**Average (dBμV)**	**QP-limit (dBμV)**	**AVG-limit (dBμV)**	**Margin (dB)**
Line 1	206.000	50.40	---	---	64.40	54.40	-4.00
	259.000	46.03	---	---	62.89	52.89	-6.86
	345.000	42.12	---	---	60.43	50.43	-8.31
	409.000	40.03	---	---	58.60	48.60	-8.57
	552.000	37.19	---	---	56.00	46.00	-8.81
	5210.000	39.32	---	---	60.00	50.00	-10.68
Line 2	206.000	46.92	---	---	64.40	54.40	-7.48
	274.000	46.67	---	---	62.46	52.46	-5.79
	345.000	41.89	---	---	60.43	50.43	-8.54
	413.000	43.75	---	---	58.49	48.49	-4.74
	480.000	40.78	---	---	56.57	46.57	-5.79
	552.000	38.72	---	---	56.00	46.00	-7.28

Test mode: Antenna model: M6N, IEEE 802.11g, Channel 1

Power Connected Emissions					FCC Class B		
Conductor	**Frequency (KHz)**	**Peak (dBμV)**	**QP (dBμV)**	**Average (dBμV)**	**QP-limit (dBμV)**	**AVG-limit (dBμV)**	**Margin (dB)**
Line 1	159.000	47.44	---	---	65.74	55.74	-8.30
	203.000	49.82	---	---	64.49	54.49	-4.67
	274.000	45.36	---	---	62.46	52.46	-7.10
	341.000	41.47	---	---	60.54	50.54	-9.07
	413.000	39.66	---	---	58.49	48.49	-8.83
	480.000	38.95	---	---	56.57	46.57	-7.62
Line 2	206.000	51.99	---	---	64.40	54.40	-2.41
	279.000	44.00	---	---	62.31	52.31	-8.31
	345.000	42.61	---	---	60.43	50.43	-7.82
	480.000	38.58	---	---	56.57	46.57	-7.99
	537.000	38.37	---	---	56.00	46.00	-7.63
	5210.000	40.34	---	---	60.00	50.00	-9.66

Test mode: Antenna model: M6N, IEEE 802.11g, Channel 6

Power Connected Emissions					FCC Class B		
Conductor	**Frequency (KHz)**	**Peak (dBμV)**	**QP (dBμV)**	**Average (dBμV)**	**QP-limit (dBμV)**	**AVG-limit (dBμV)**	**Margin (dB)**
Line 1	187.000	48.12	---	---	64.94	54.94	-6.82
	195.000	50.54	---	---	64.71	54.71	-4.17
	186.320	52.22	39.97	12.38	64.40	54.40	-24.43
	274.000	45.02	---	---	62.46	52.46	-7.44
	341.000	43.03	---	---	60.54	50.54	-7.51
	409.000	39.87	---	---	58.60	48.60	-8.73
Line 2	205.000	51.71	---	---	64.43	54.43	-2.72
	274.000	44.03	---	---	62.46	52.46	-8.43
	341.000	42.26	---	---	60.54	50.54	-8.28
	405.000	40.45	---	---	58.71	48.71	-8.26
	552.000	36.67	---	---	56.00	46.00	-9.33
	681.000	36.46	---	---	56.00	46.00	-9.54

Test mode: Antenna model: M6N, IEEE 802.11g, Channel 11

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	159.000	51.73	---	---	64.49	54.49	-2.76
	274.000	45.64	---	---	62.46	52.46	-6.82
	345.000	40.66	---	---	60.43	50.43	-9.77
	370.000	39.75	---	---	59.71	49.71	-9.96
	409.000	40.15	---	---	58.60	48.60	-8.45
	5000.000	40.29	---	---	60.00	50.00	-9.71
Line 2	206.000	51.55	---	---	64.40	54.40	-2.85
	274.000	44.86	---	---	62.46	52.46	-7.60
	341.000	41.79	---	---	60.54	50.54	-8.75
	413.000	38.72	---	---	58.49	48.49	-9.77
	475.000	37.92	---	---	56.71	46.71	-8.79
	824.000	35.59	---	---	56.00	46.00	-10.41

Test mode: Antenna model: S5, Standby mode

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	206.000	48.02	---	---	64.40	54.40	-6.38
	277.000	42.05	---	---	62.37	52.37	-10.32
	341.000	40.55	---	---	60.54	50.54	-9.99
	409.000	39.61	---	---	58.60	48.60	-8.99
	480.000	40.78	---	---	56.57	46.57	-5.79
	616.000	37.31	---	---	56.00	46.00	-8.69
Line 2	205.000	47.83	---	---	64.43	54.43	-6.60
	277.000	45.76	---	---	62.37	52.37	-6.61
	341.000	42.56	---	---	60.54	50.54	-7.98
	409.000	40.27	---	---	58.60	48.60	-8.33
	480.000	40.38	---	---	56.57	46.57	-6.19
	616.000	35.63	---	---	56.00	46.00	-10.37

Test mode: Antenna model: S5, IEEE 802.11b, Channel 1

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	207.000	54.31	53.51	46.62	64.40	54.40	-7.78
	277.000	45.52	---	---	62.37	52.37	-6.85
	345.000	41.58	---	---	60.43	50.43	-8.85
	409.000	41.58	---	---	58.60	48.60	-7.02
	552.000	38.55	---	---	56.00	46.00	-7.45
	5290.000	41.72	---	---	56.00	46.00	-4.28
Line 2	207.000	53.43	55.01	47.60	64.49	54.49	-6.89
	274.000	46.03	---	---	62.46	52.46	-6.43
	345.000	45.14	---	---	60.43	50.43	-5.29
	413.000	41.72	---	---	58.49	48.49	-6.77
	480.000	40.64	---	---	56.57	46.57	-5.93
	552.000	39.20	---	---	56.00	46.00	-6.80

Test mode: Antenna model: S5, IEEE 802.11b, Channel 6

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	208.000	51.38	---	---	64.34	54.34	-2.96
	274.000	46.38	---	---	62.46	52.46	-6.08
	341.000	45.55	---	---	60.54	50.54	-4.99
	480.000	37.94	---	---	56.57	46.57	-8.63
	688.000	38.03	---	---	56.00	46.00	-7.97
	5290.000	42.14	---	---	60.00	50.00	-7.86
Line 2	208.000	55.38	54.05	46.77	64.40	54.40	-7.63
	341.000	41.98	---	---	60.54	50.54	-8.56
	413.000	41.86	---	---	58.49	48.49	-6.63
	480.000	40.50	---	---	56.57	46.57	-6.07
	681.000	38.17	---	---	56.00	46.00	-7.83
	5290.000	42.54	---	---	60.00	50.00	-7.46

Test mode: Antenna model: S5, IEEE 802.11b, Channel 11

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	206.220	53.98	53.81	46.74	64.43	54.43	-7.69
	229.000	48.93	---	---	63.74	53.74	-4.81
	274.000	46.64	---	---	62.46	52.46	-5.82
	345.000	45.39	---	---	60.43	50.43	-5.04
	681.000	37.47	---	---	56.00	46.00	-8.53
	5000.000	41.16	---	---	60.00	50.00	-8.84
Line 2	206.500	54.93	54.67	47.10	64.43	54.43	-7.33
	274.000	45.78	---	---	62.46	52.46	-6.68
	341.000	41.98	---	---	60.54	50.54	-8.56
	413.000	40.12	---	---	58.49	48.49	-8.37
	552.000	39.02	---	---	56.00	46.00	-6.98
	3574.000	38.17	---	---	56.00	46.00	-7.83

Test mode: Antenna model: S5, IEEE 802.11g, Channel 1

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	206.000	50.98	---	---	64.40	54.40	-3.42
	274.000	44.43	---	---	62.46	52.46	-8.03
	341.000	42.14	---	---	60.54	50.54	-8.40
	409.000	39.48	---	---	58.60	48.60	-9.12
	552.000	37.19	---	---	56.00	46.00	-8.81
	5000.000	38.95	---	---	60.00	50.00	-11.05
Line 2	206.000	51.15	---	---	64.40	54.40	-3.25
	345.000	41.49	---	---	60.43	50.43	-8.94
	413.000	39.61	---	---	58.49	48.49	-8.88
	552.000	36.94	---	---	56.00	46.00	-9.06
	824.000	35.15	---	---	56.00	46.00	-10.85
	5080.000	39.46	---	---	60.00	50.00	-10.54

Test mode: Antenna model: S5, IEEE 802.11g, Channel 6

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	208.000	52.03	---	---	64.34	54.34	-2.31
	277.000	44.74	---	---	62.37	52.37	-7.63
	341.000	43.37	---	---	60.54	50.54	-7.17
	409.000	39.04	---	---	58.60	48.60	-9.56
	480.000	38.65	---	---	56.57	46.57	-7.92
	15340.000	39.80	---	---	60.00	50.00	-10.20
Line 2	206.000	52.29	---	---	64.40	54.40	-2.11
	277.000	41.93	---	---	62.37	52.37	-10.44
	409.000	38.12	---	---	58.60	48.60	-10.48
	480.000	36.97	---	---	56.57	46.57	-9.60
	1566.000	35.21	---	---	56.00	46.00	-10.79
	5130.000	39.64	---	---	60.00	50.00	-10.36

Test mode: Antenna model: S5, IEEE 802.11g, Channel 11

Power Connected Emissions					*FCC Class B*		
Conductor	*Frequency (KHz)*	*Peak (dBμV)*	*QP (dBμV)*	*Average (dBμV)*	*QP-limit (dBμV)*	*AVG-limit (dBμV)*	*Margin (dB)*
Line 1	208.000	47.79	---	---	64.34	54.34	-6.55
	264.000	49.78	---	---	62.74	52.74	-2.96
	341.000	41.48	---	---	60.54	50.54	-9.06
	413.000	38.31	---	---	58.49	48.49	-10.18
	480.000	37.26	---	---	56.57	46.57	-9.31
	616.000	35.04	---	---	56.00	46.00	-10.96
Line 2	203.000	51.52	---	---	64.49	54.49	-2.97
	236.000	50.61	---	---	63.54	53.54	-2.93
	274.000	47.23	---	---	62.46	52.46	-5.23
	391.000	44.22	---	---	59.11	49.11	-4.89
	558.000	43.77	---	---	56.00	46.00	-2.23
	688.000	38.08	---	---	56.00	46.00	-7.92

IV. Section 15.247 (a): Technical description of the EUT

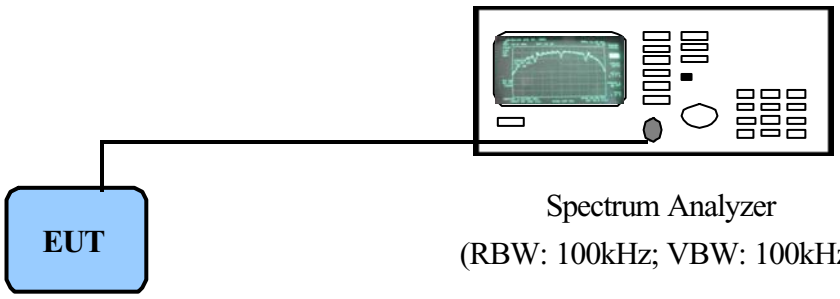
Based on the Section 2.1, *Direct Sequence System* is a spread spectrum system in which the carrier has been modulated by a high speed spreading code and an information data stream. The high speed code sequence dominates the "modulating function" and is the direct cause of the wide spreading of the transmitted signal. In the operational description demonstrates the operation principles of the Baseband processor employed by the EUT, shows that which is a complete DSSS baseband processor and meets the definition of the direct sequence spread spectrum system.

V. Section 15.247(a)(2): Bandwidth for Direct Sequence System.

5.1 Test Condition & Setup

The transmitter bandwidth measurements were performed by the contact manner. The EUT was set to transmit continuously, also various channels were investigated to find the maximum occupied bandwidth. The output of the EUT was connected to the spectrum analyzer. The bandwidth of the fundamental frequency is observed by the spectrum analyzer with 100kHz RBW and 100kHz VBW.

5.2 Test Instruments Configuration



P.S.: Notebook computer to control the EUT at maximal power output and channel Number and set antenna kit

5.3 List of Test Instruments

Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
Spectrum Analyzer	MS2665C	ANRITSU	6200175476	09/30/03	09/30/04

5.4 Test Result of Bandwidth

Bandwidth of Channel 1

Bandwidth (802.11b)	:	11.28 MHz
Bandwidth (802.11g)	:	16.76 MHz
The min. 6dB BW at least	:	500 KHz

Bandwidth of Channel 6

Bandwidth (802.11b)	:	11.28 MHz
Bandwidth (802.11g)	:	16.72 MHz
The min. 6dB BW at least	:	500 KHz

Bandwidth of Channel 11

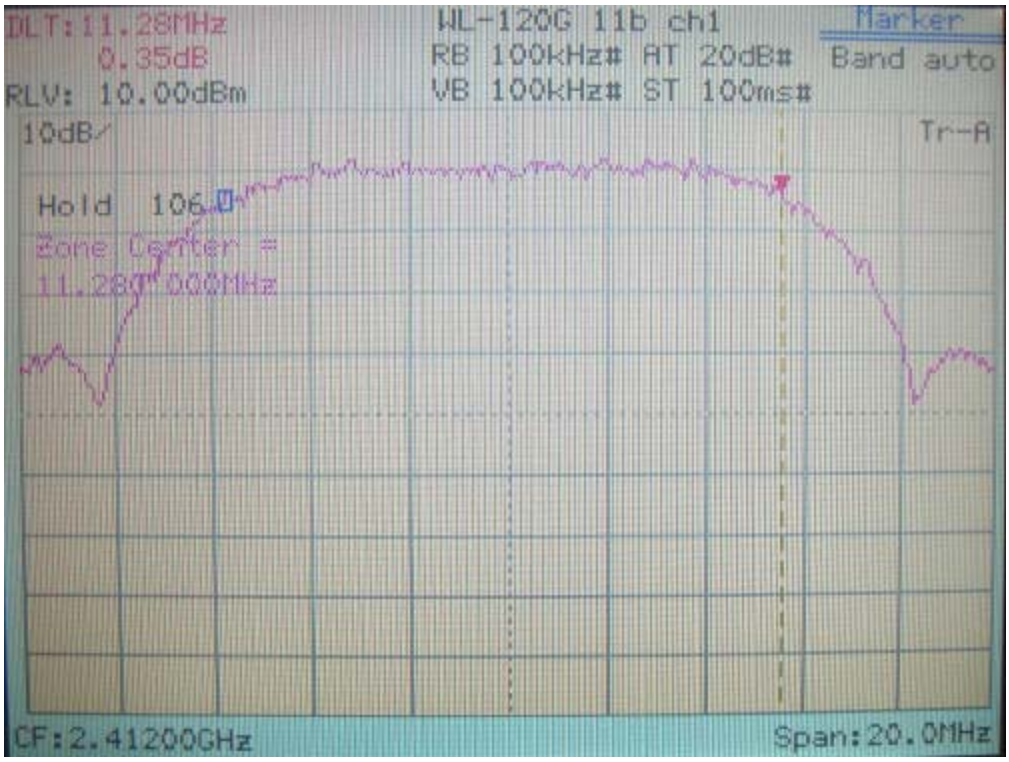
Bandwidth (802.11b)	:	11.28 MHz
Bandwidth (802.11g)	:	16.76 MHz
The min. 6dB BW at least	:	500 KHz

Note:

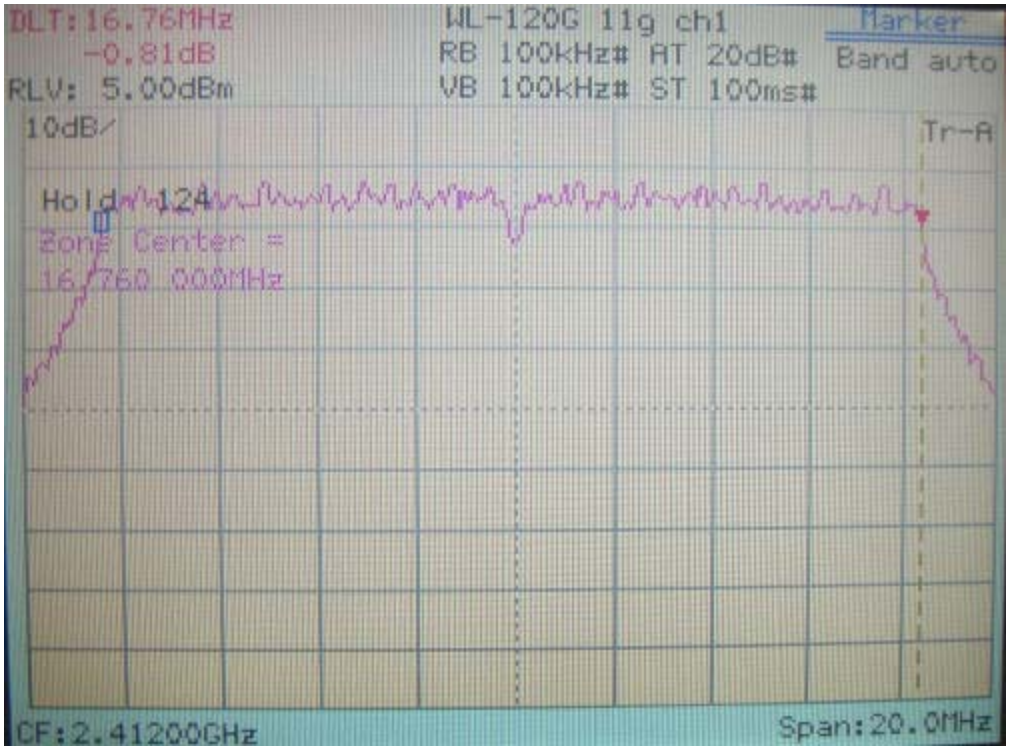
1. The data in the above table are summarizing the following attachment spectrum analyzer hard copy. According to the guidance, we'd made the measurement with the spectrum analyzer's resolution bandwidth *(RBW)=100kHz* and set the *span>>RBW*. The results show the measured 6dB bandwidth comply with the minimum 500kHz requirement.
2. The attachments show these on the following pages.

6dBBandwidth of Channel 1:

IEEE 802.11b

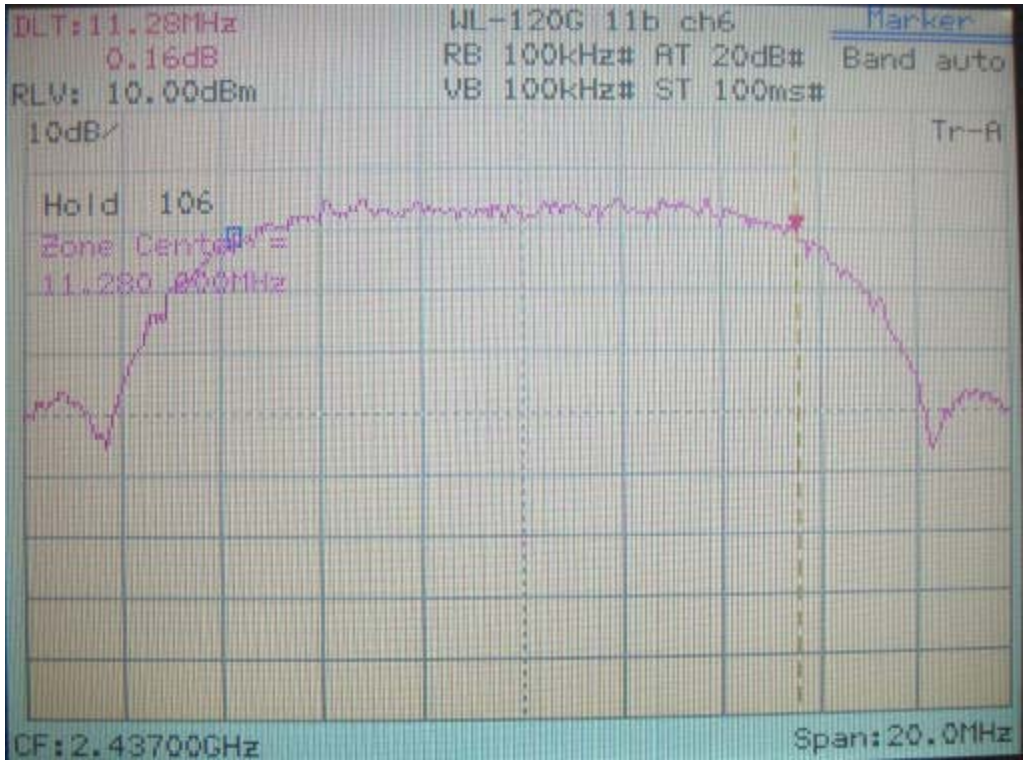


IEEE 802.11g

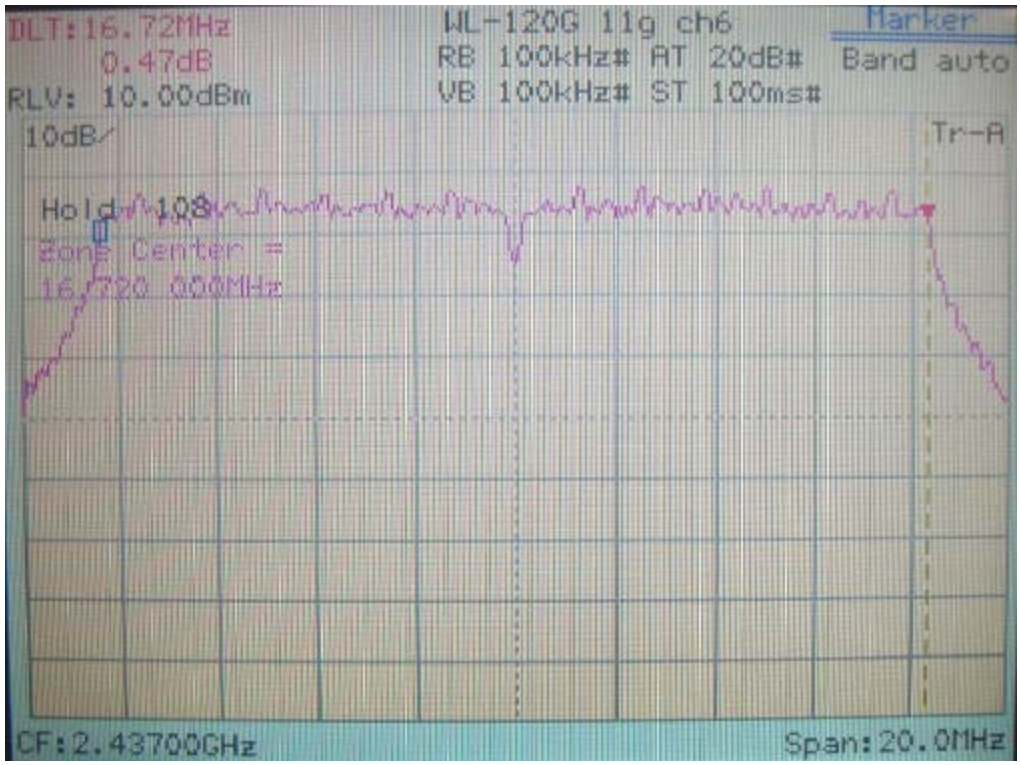


6dB Bandwidth of Channel 6:

IEEE 802.11b

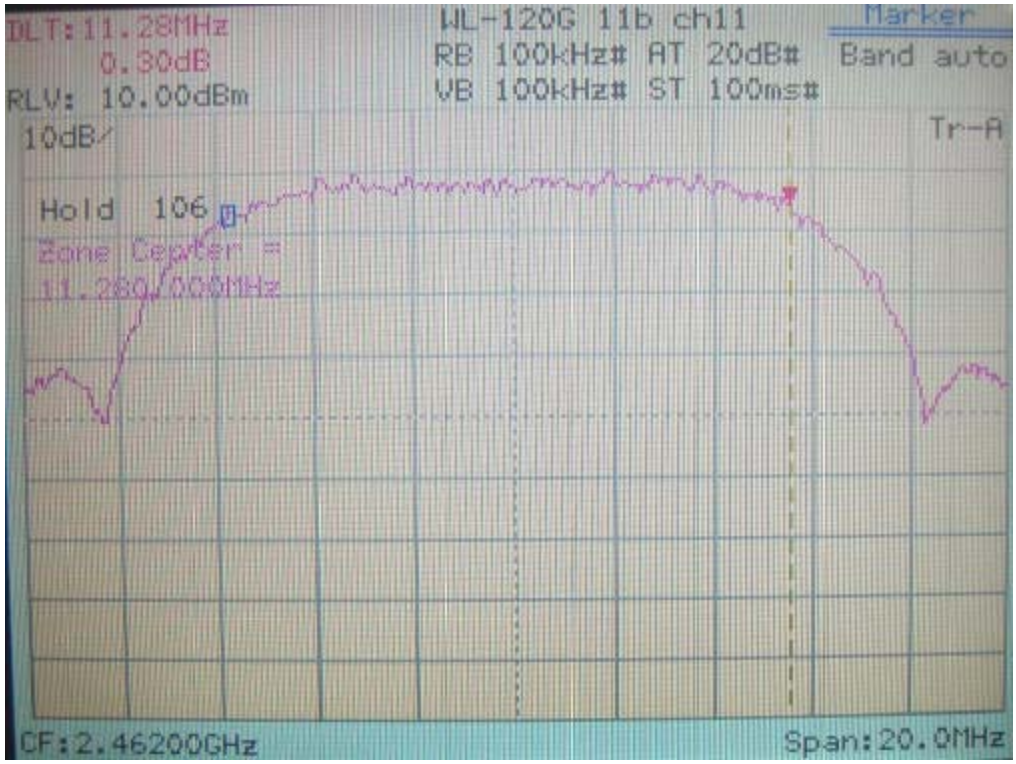


IEEE 802.11g

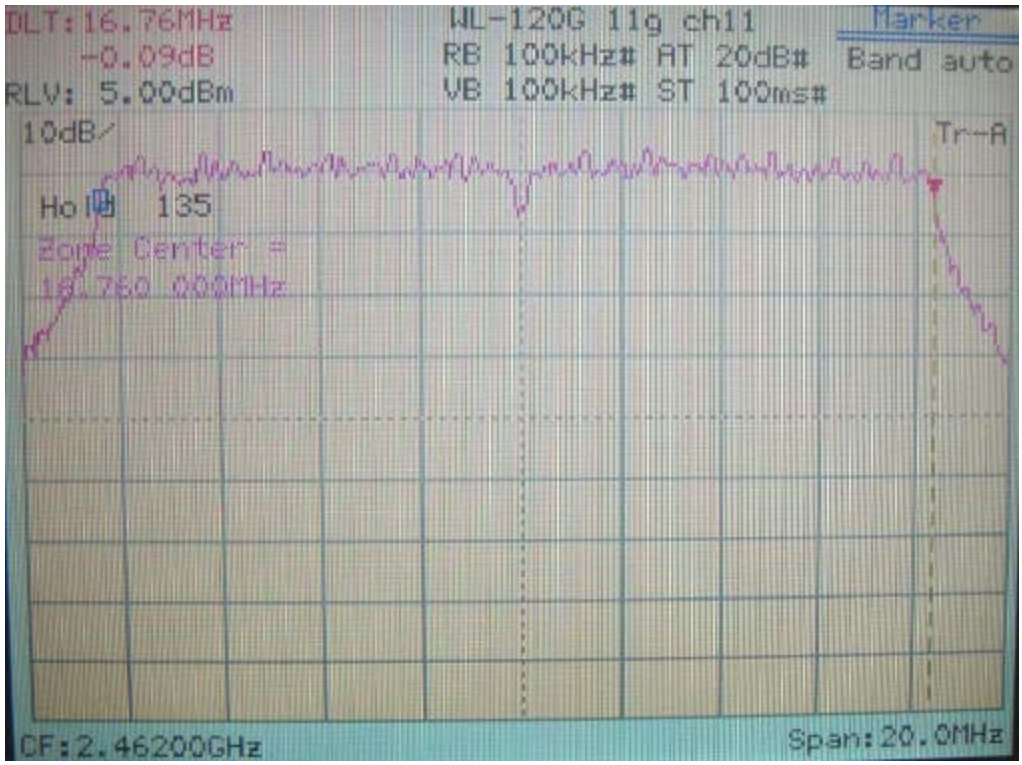


6dB Bandwidth of Channel 11:

IEEE 802.11b

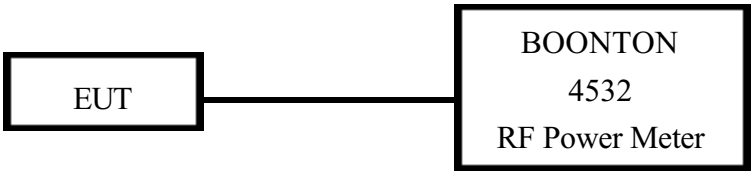


IEEE 802.11g



VI. Section 15.247(b): Power Output

6.1 Test Condition & Setup



1. The output of the transmitter is connected to the BOONTON RF Power Meter.
2. The calibration is performed before every test. The values of the output power of the EUT will shown in the dBm directly are the transmitter output peak power. Recording as follows.

6.2 List of Test Instruments

Instrument Name	Model No.	Brand	Serial No.
RF Power Meter	4532	BOONTON	117501

6.3 Test Result

Formula:
Signal generator + |Cable loss| = Output peak power

IEEE 802.11b

Channel	Signal Generator	Cable Loss	Output Peak Power	
	dBm	dBm	dBm	mW
CH 1	16.89	0.70	17.59	57.412
CH 6	17.58	0.70	18.28	67.298
CH 11	17.72	0.70	18.42	69.502

IEEE 802.11g

Channel	Signal Generator	Cable Loss	Output Peak Power	
	dBm	dBm	dBm	mW
CH 1	20.13	0.70	20.83	121.060
CH 6	20.46	0.70	21.16	130.617
CH 11	20.57	0.70	21.27	133.968

VII. Section 15.247 (C): Spurious Emissions (Radiated)

7.1 Test Condition & Setup

We' d performed the test by the *radiated emission* skill: The EUT was placed in an anechoic chamber, and set the EUT transmitting continuously and scanned at 3-meter distance to determine its emission characteristics. The physical arrangement of the EUT 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, directivity, and frequency. The exact system configuration, which produced the highest emissions was noted so it could be reproduced later during the final tests. For the measurement above 1GHz, according to the guidance we' d set the spectrum analyzer' s 6dB bandwidth RBW to 1MHz.

This was done to ensure that the final measurements would demonstrate the worst-case interference potential of the EUT.

Final radiation measurements were made on a three-meter, anechoic chamber. The EUT system was placed on a nonconductive turntable, which is 0.8 meters height, top surface 1.0 x 1.5 meter.

The spectrum was examined from 30 MHz to 1000 MHz using an Hewlett Packard 85460A EMI Receiver, M.E. whole range Bi-log antenna (Model No.: VULB9160) is used to measure frequency from 30 MHz to 1GHz. The final test is used the HP 85460A spectrum and 8564E spectrum was examined from 1GHz to 25GHz using an Hewlett Packard Spectrum Analyzer, EMCO/CMT Horn Antenna (Model 3115 / RA42-K-F-4B-C) for 1G - 25GHz.

At each frequency, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. There are two spectrum analyzers use on this testing, HP 85460A for frequency 30MHz to 1000MHz, and 8564E for frequency 1GHz to 25GHz. No post-detector video filters were used in the test. The spectrum analyzer's 6dB bandwidth was set to 120KHz (spectrum was examined from 30 MHz to 1000 MHz), the spectrum analyzer's 6 dB bandwidth was set to 1 MHz (spectrum was examined from 1GHz to 25GHz) and the analyzer was operated in the maximum hold mode. There is a test condition applies in this test item, the test procedure description as the following:

Three channels were tested, one in the top (CH01), one in the middle (CH06) and the other in bottom (CH11). The setting up procedure is recorded on <1.3>

With the transmitter operating from a AC source and using the internal of EUT, radiates spurious emissions falling within the restricted bands of 15.209 were measured at operating frequencies corresponding to upper, middle and bottom channels in the 2400 ~ 2483.5 MHz band.

The actual field intensity in decibels referenced to 1 microvolt per meter (dBμV/m) is determined by algebraically adding the measured reading in dBμV, the antenna factor (dB), and cable loss (dB) at the appropriate frequency. Since the EUT was set to transmit continuously, no *duty cycle* is present.

For frequency between 30MHz to 1000MHz

FIa (dBuV/m) = FIr (dBμV) + Correction Factors

FIa : Actual Field Intensity

FIr : Reading of the Field Intensity

Correction Factors = Antenna Factor + Cable Loss – Amplifier Gain

For frequency between 1GHz to 25GHz

FIa (dBμV/m) = FIr (dBμV) + Correction Factor

FIa : Actual Field Intensity

FIr : Reading of the Field Intensity

Correction Factors = Antenna Factor + Cable Loss – Amplifier Gain

7.2 List of Test Instruments

Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
EMI Receiver	8546A	HP	3520A00242	07/28/03	07/28/04
RF Filter Section	85460A	HP	3448A00217	07/28/03	07/28/04
Bi-log Antenna	CBL 6141A	CHASE	4206	05/27/03	05/27/04
Auto Switch Box (>30MHz)	ASB-01	TRC	9904-01	11/20/02	11/20/03
Spectrum Analyzer	8564E	HP	3720A00840	07/23/03	07/23/04
Microwave Preamplifier	84125C	HP	US36433002	07/30/03	07/30/04
Horn Antenna	3115	EMCO	9104-3668	12/24/02	12/24/03
Horn Antenna	RA42-K-F-4B-C	CMT	961505-003	02/01/03	02/01/04
Anechoic Chamber (cable calibrated together)				05/20/03	05/20/04

The level of confidence of 95% , the uncertainty of measurement of radiated emission is ± 3.44dB.

7.3 Test Result of Spurious Radiated Emissions

EUT's transmit only

The highest peak values of radiated emissions form the EUT at various antenna heights, antenna polarizations, EUT orientation, etc. are recorded on the following.

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

Test mode: Antenna model L5C, Standby mode [Horizontal]

Radiated Emission				*Correction Factors*	*Corrected Amplitude*	*FCC Class B (3 m)*	
Frequency (MHz)	*Amplitude (dBμV)*	*Ant. H. (m)*	*Table (°)*	*(dB)*	*(dBμV/m)*	*Limit (dBμV/m)*	*Margin (dB)*
100.32	33.14	1.00	56	-0.30	32.84	43.50	-10.66
234.91	36.25	1.00	16	-2.80	33.45	46.00	-12.55
267.65	42.40	1.14	234	-2.94	39.46	46.00	-6.54
335.55	36.31	1.00	27	-1.65	34.66	46.00	-11.34
392.54	37.16	1.00	44	0.17	37.33	46.00	-8.67
782.96	22.63	1.00	283	13.39	36.02	46.00	-9.98

Test mode: Antenna model L5C, Standby mode [Vertical]

Radiated Emission				*Correction Factors*	*Corrected Amplitude*	*FCC Class B (3 m)*	
Frequency (MHz)	*Amplitude (dBμV)*	*Ant. H. (m)*	*Table (°)*	*(dB)*	*(dBμV/m)*	*Limit (dBμV/m)*	*Margin (dB)*
67.59	30.30	1.00	117	2.36	32.66	40.00	-7.34
133.06	34.72	1.00	213	-1.74	32.98	43.50	-10.52
392.54	36.08	1.00	332	0.17	36.25	46.00	-9.75
521.06	27.83	1.00	2	5.53	33.36	46.00	-12.64
587.75	28.50	1.00	11	8.26	36.76	46.00	-9.24
667.77	26.41	1.00	177	10.79	37.20	46.00	-8.80

Note:

1. Margin = Amplitude – limit, *if margin is minus means under limit.*
2. Corrected Amplitude = Reading Amplitude + Correction Factors
3. Correction factor = Antenna factor + (Cable Loss – Amplitude gain)

Test mode: Antenna model L5C, 802.11b for 30MHz to 1GHz [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
100.32	36.18	1.00	300	-0.30	35.88	43.50	-7.62
267.65	42.37	1.00	352	-2.94	39.43	46.00	-6.57
301.60	39.06	1.00	136	-2.33	36.73	46.00	-9.27
392.54	38.85	1.00	352	0.17	39.02	46.00	-6.98
782.96	23.15	1.00	58	13.39	36.54	46.00	-9.46
848.44	22.54	1.00	316	15.36	37.90	46.00	-8.10

Test mode: Antenna model L5C, 802.11b for 30MHz to 1GHz [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
67.59	27.99	1.00	307	2.36	30.35	40.00	-9.65
100.32	32.86	1.00	343	-0.30	32.56	43.50	-10.94
392.54	39.45	1.00	347	0.17	39.62	46.00	-6.38
456.80	31.74	1.00	357	3.00	34.74	46.00	-11.26
587.75	28.52	1.00	318	8.26	36.78	46.00	-9.22
666.56	27.10	1.00	165	10.75	37.85	46.00	-8.15

Test mode: Antenna model L5C, 802.11g for 30MHz to 1GHz [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
84.56	36.29	1.00	210	0.71	37.00	40.00	-3.00
100.32	40.32	1.00	198	-0.30	40.02	43.50	-3.48
167.01	37.67	1.00	25	-2.55	35.12	43.50	-8.38
267.65	42.15	1.00	247	-2.94	39.21	46.00	-6.79
392.54	37.56	1.00	89	0.17	37.73	46.00	-8.27
848.44	22.00	1.00	288	15.36	37.36	46.00	-8.64

Test mode: Antenna model L5C, 802.11g for 30MHz to 1GHz [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
67.59	32.67	1.00	55	2.36	35.03	40.00	-4.97
73.65	32.16	1.00	94	1.67	33.83	40.00	-6.17
82.14	33.91	1.00	84	0.81	34.72	40.00	-5.28
100.32	39.77	1.00	223	-0.30	39.47	43.50	-4.03
392.54	40.34	1.00	346	0.17	40.51	46.00	-5.49
587.75	29.53	1.00	360	8.26	37.79	46.00	-8.21

Test mode: Antenna model L5C, Channel 1 of IEEE 802.11b for 1GHz to 25GHz [Horizontal]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4823.12	1.00	25	3.76	38.70	---	74.00	53.96	-15.26
7191.46	1.00	177	9.85	44.62	---	74.00	53.96	-9.34
9716.87	1.00	249	11.76	45.03	---	74.00	53.96	-8.93

Test mode: Antenna model L5C, Channel 1 of IEEE 802.11b for 1GHz to 25GHz [Vertical]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4825.14	1.00	156	3.76	38.37	---	74.00	53.96	-15.59
7237.78	1.00	237	10.10	44.70	---	74.00	53.96	-9.26
9646.39	1.00	50	11.45	43.89	---	74.00	53.96	-10.07

Note:

1. Margin = Corrected - Limit.
2. The EUT utilizes a *permanently attached antenna*. In addition the spurious RF radiated emissions levels do comply with the *20dBc limit* both at its bandedges and other spurious emissions.
3. As stated in Section 15.35(b), for any frequencies above 1000MHz, radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. As the results of our test, the peak amplitudes are already below the FCC limit. Thus the average amplitudes of the rest are omitted.

Test mode: Antenna model L5C, Channel 6 of IEEE 802.11b for 1GHz to 25GHz [Horizontal]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4877.50	1.00	59	3.97	39.24	---	74.00	53.96	-14.72
7312.29	1.00	146	10.30	42.91	---	74.00	53.96	-11.05
9747.08	1.00	268	11.89	44.49	---	74.00	53.96	-9.47

Test mode: Antenna model L5C, Channel 6 of IEEE 802.11b for 1GHz to 25GHz [Vertical]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4877.50	1.00	27	3.97	39.74	---	74.00	53.96	-14.22
6889.37	1.00	169	9.44	46.38	---	74.00	53.96	-7.58
7312.29	1.00	227	10.30	43.24	---	74.00	53.96	-10.72
9747.08	1.00	307	11.89	44.16	---	74.00	53.96	-9.80

Test mode: Antenna model L5C, Channel 11 of IEEE 802.11b for 1GHz to 25GHz [Horizontal]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4925.83	1.00	63	4.13	41.07	---	74.00	53.96	-12.89
7384.79	1.00	294	10.42	42.03	---	74.00	53.96	-11.93
9849.79	1.00	336	11.93	44.54	---	74.00	53.96	-9.42

Test mode: Antenna model L5C, Channel 11 of IEEE 802.11b for 1GHz to 25GHz [Vertical]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4925.83	1.00	51	4.13	40.74	---	74.00	53.96	-13.22
7366.67	1.00	46	10.42	44.03	---	74.00	53.96	-9.93
9849.79	1.00	224	11.93	44.37	---	74.00	53.96	-9.59

Test mode: Antenna model L5C, Channel 1 of IEEE 802.11g for 1GHz to 25GHz [Horizontal]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4297.50	1.00	261	2.26	44.03	---	74.00	53.96	-9.93
4817.08	1.00	334	3.73	42.84	---	74.00	53.96	-11.12
7233.75	1.00	327	10.07	46.01	---	74.00	53.96	-7.95
9650.42	1.00	29	11.47	43.74	---	74.00	53.96	-10.22
13776.87	1.00	114	8.49	49.43	---	74.00	53.96	-4.53

Test mode: Antenna model L5C, Channel 1 of IEEE 802.11g for 1GHz to 25GHz [Vertical]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4823.12	1.00	151	3.76	39.03	---	74.00	53.96	-14.93
7227.71	1.00	196	10.04	44.82	---	74.00	53.96	-9.14
9650.42	1.00	227	11.47	43.74	---	74.00	53.96	-10.22

Test mode: Antenna model L5C, Channel 6 of IEEE 802.11g for 1GHz to 25GHz [Horizontal]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2573.96	1.00	27	3.60	41.10	---	74.00	53.96	-12.86
4877.50	1.00	169	3.97	42.58	---	74.00	53.96	-11.38
7300.21	1.00	337	10.27	46.88	---	74.00	53.96	-7.08
9759.17	1.00	45	11.90	45.34	---	74.00	53.96	-8.62

Test mode: Antenna model L5C, Channel 6 of IEEE 802.11g for 1GHz to 25GHz [Vertical]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2384.37	1.00	62	3.12	45.62	---	74.00	53.96	-8.34
4877.50	1.00	336	3.97	39.74	---	74.00	53.96	-14.22
7312.29	1.00	28	10.30	46.07	---	74.00	53.96	-7.89
9747.08	1.00	116	11.89	43.99	---	74.00	53.96	-9.97

Test mode: Antenna model L5C, Channel 11 of IEEE 802.11g for 1GHz to 25GHz [Horizontal]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Limit (dBμV/m) Ave.	Margin (dB)
4931.87	1.00	237	4.15	42.26	---	74.00	53.96	-11.70
7390.83	1.00	194	10.41	45.02	---	74.00	53.96	-8.94
9849.79	1.00	29	11.93	45.71	---	74.00	53.96	-8.25

Test mode: Antenna model L5C, Channel 11 of IEEE 802.11g for 1GHz to 25GHz [Vertical]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Limit (dBμV/m) Ave.	Margin (dB)
4937.92	1.00	270	4.17	42.61	---	74.00	53.96	-11.35
7384.79	1.00	148	10.42	45.53	---	74.00	53.96	-8.43
9880.00	1.00	22	11.91	46.35	---	74.00	53.96	-7.61

Test mode: Antenna model M6N, Standby mode [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
101.54	34.64	1.00	60	-0.38	34.26	43.50	-9.24
133.06	38.55	1.00	216	-1.74	36.81	43.50	-6.69
301.60	39.61	1.00	104	-2.33	37.28	46.00	-8.72
334.34	40.81	1.00	254	-1.67	39.14	46.00	-6.86
392.54	38.44	1.00	97	0.17	38.61	46.00	-7.39
782.96	22.68	1.00	269	13.39	36.07	46.00	-9.93

Test mode: Antenna model M6N, Standby mode [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
100.32	38.26	1.00	179	-0.30	37.96	43.50	-5.54
133.06	39.55	1.00	135	-1.74	37.81	43.50	-5.69
169.44	35.17	1.00	54	-2.60	32.57	43.50	-10.93
392.54	37.70	1.00	330	0.17	37.87	46.00	-8.13
587.75	29.16	1.00	325	8.26	37.42	46.00	-8.58
662.92	27.01	1.00	162	10.65	37.66	46.00	-8.34

Test mode: Antenna model M6N, 802.11b for 30MHz to 1GHz [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
100.32	41.45	1.00	149	-0.30	41.15	43.50	-2.35
133.06	41.21	1.00	233	-1.74	39.47	43.50	-4.03
167.01	37.34	1.00	153	-2.55	34.79	46.00	-11.21
268.86	41.89	1.00	337	-2.95	38.94	46.00	-7.06
301.60	38.97	1.00	124	-2.33	36.64	46.00	-9.36
782.96	22.33	1.00	34	13.39	35.72	46.00	-10.28

Test mode: Antenna model M6N, 802.11b for 30MHz to 1GHz [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
33.64	28.44	1.00	299	7.40	35.84	40.00	-4.16
100.32	38.73	1.00	44	-0.30	38.43	43.50	-5.07
133.06	41.17	1.00	201	-1.74	39.43	43.50	-4.07
392.54	40.76	1.00	6	0.17	40.93	46.00	-5.07
848.44	22.54	1.00	171	15.36	37.90	46.00	-8.10
912.70	25.71	1.00	311	17.59	43.30	46.00	-2.70

Test mode: Antenna model M6N, 802.11g for 30MHz to 1GHz [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
100.32	40.32	1.00	145	-0.30	40.02	43.50	-3.48
134.27	39.84	1.00	250	-1.76	38.08	43.50	-5.42
168.22	37.09	1.00	168	-2.57	34.52	43.50	-8.98
267.65	40.09	1.00	336	-2.94	37.15	46.00	-8.85
299.17	40.04	1.00	160	-2.37	37.67	46.00	-8.33
393.75	36.64	1.00	83	0.22	36.86	46.00	-9.14

Test mode: Antenna model M6N, 802.11g for 30MHz to 1GHz [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
33.64	28.56	1.00	273	7.40	35.96	40.00	-4.04
100.32	38.05	1.00	67	-0.30	37.75	43.50	-5.75
133.06	40.89	1.00	202	-1.74	39.15	43.50	-4.35
392.54	39.10	1.00	332	0.17	39.27	46.00	-6.73
662.92	25.42	1.00	172	10.65	36.07	46.00	-9.93
912.70	23.74	1.00	297	17.59	41.33	46.00	-4.67

Test mode: Antenna model M6N, Channel 1 of IEEE 802.11b for 1GHz to 25GHz [Horizontal]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4823.12	1.00	251	3.76	44.86	---	74.00	53.96	-9.10
7300.21	1.00	43	10.27	45.21	---	74.00	53.96	-8.75
9644.37	1.00	196	11.44	43.55	---	74.00	53.96	-10.41

Test mode: Antenna model M6N, Channel 1 of IEEE 802.11b for 1GHz to 25GHz [Vertical]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4823.12	1.00	29	3.76	39.20	---	74.00	53.96	-14.76
7233.75	1.00	174	10.07	44.35	---	74.00	53.96	-9.61
9650.42	1.00	214	11.47	44.08	---	74.00	53.96	-9.88

Test mode: Antenna model M6N, Channel 6 of IEEE 802.11b for 1GHz to 25GHz [Horizontal]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4877.50	1.00	274	3.97	39.58	---	74.00	53.96	-14.38
7312.29	1.00	114	10.30	43.07	---	74.00	53.96	-10.89
9747.08	1.00	36	11.89	44.16	---	74.00	53.96	-9.80

Test mode: Antenna model M6N, Channel 6 of IEEE 802.11b for 1GHz to 25GHz [Vertical]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4877.50	1.00	77	3.97	39.24	---	74.00	53.96	-14.72
7312.29	1.00	309	10.30	42.91	---	74.00	53.96	-11.05
9747.08	1.00	14	11.89	43.49	---	74.00	53.96	-10.47

Test mode: Antenna model M6N, Channel 11 of IEEE 802.11b for 1GHz to 25GHz [Horizontal]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4925.83	1.00	21	4.13	40.74	---	74.00	53.96	-13.22
7384.79	1.00	96	10.42	42.36	---	74.00	53.96	-11.60
9849.79	1.00	225	11.93	44.71	---	74.00	53.96	-9.25

Test mode: Antenna model M6N, Channel 11 of IEEE 802.11b for 1GHz to 25GHz [Vertical]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4925.83	1.00	303	4.13	39.90	---	74.00	53.96	-14.06
7384.79	1.00	225	10.42	42.70	---	74.00	53.96	-11.26
9849.79	1.00	219	11.93	45.54	---	74.00	53.96	-8.42

Test mode: Antenna model M6N, Channel 1 of IEEE 802.11g for 1GHz to 25GHz [Horizontal]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4823.12	1.00	27	3.76	45.36	---	74.00	53.96	-8.60
7233.75	1.00	116	10.07	46.85	---	74.00	53.96	-7.11
9650.42	1.00	308	11.47	44.08	---	74.00	53.96	-9.88

Test mode: Antenna model M6N, Channel 1 of IEEE 802.11g for 1GHz to 25GHz [Vertical]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4823.12	1.00	243	3.76	38.53	---	74.00	53.96	-15.43
7239.79	1.00	158	10.11	43.55	---	74.00	53.96	-10.41
9650.42	1.00	164	11.47	43.91	---	74.00	53.96	-10.05

Test mode: Antenna model M6N, Channel 6 of IEEE 802.11g for 1GHz to 25GHz [Horizontal]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4883.54	1.00	299	3.99	44.76	---	74.00	53.96	-9.20
7318.33	1.00	163	10.31	48.75	---	74.00	53.96	-5.21
9747.08	1.00	116	11.89	44.83	---	74.00	53.96	-9.13

Test mode: Antenna model M6N, Channel 6 of IEEE 802.11g for 1GHz to 25GHz [Vertical]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4877.50	1.00	103	3.97	40.74	---	74.00	53.96	-13.22
7318.33	1.00	110	10.31	47.42	---	74.00	53.96	-6.54
9747.08	1.00	149	11.89	44.49	---	74.00	53.96	-9.47

Test mode: Antenna model M6N, Channel 11 of IEEE 802.11g for 1GHz to 25GHz [Horizontal]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4925.83	1.00	185	4.13	40.24	---	74.00	53.96	-13.72
7354.49	1.00	179	10.42	42.03	---	74.00	53.96	-11.93
9849.79	1.00	229	11.93	44.54	---	74.00	53.96	-9.42

Test mode: Antenna model M6N, Channel 11 of IEEE 802.11g for 1GHz to 25GHz [Vertical]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4925.83	1.00	69	4.13	40.74	---	74.00	53.96	-13.22
7384.79	1.00	255	10.42	42.53	---	74.00	53.96	-11.43
9849.79	1.00	139	11.93	45.04	---	74.00	53.96	-8.92

Test mode: Antenna model S5, Standby mode [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
165.80	38.47	1.00	23	-2.53	35.94	43.50	-7.56
200.96	41.40	1.00	23	-2.68	38.72	43.50	-4.78
236.12	41.35	1.00	33	-2.79	38.56	46.00	-7.44
268.86	42.60	1.00	248	-2.95	39.65	46.00	-6.35
301.60	39.76	1.00	156	-2.33	37.43	46.00	-8.57
334.34	39.30	1.00	260	-1.67	37.63	46.00	-8.37

Test mode: Antenna model S5, Standby mode [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
33.64	28.08	1.00	8	7.40	35.48	40.00	-4.52
393.75	39.98	1.00	5	0.22	40.20	46.00	-5.80
456.80	34.40	1.00	29	3.00	37.40	46.00	-8.60
587.75	28.30	1.00	342	8.26	36.56	46.00	-9.44
662.92	27.09	1.00	147	10.65	37.74	46.00	-8.26
734.46	23.73	1.00	110	12.43	36.16	46.00	-9.84

Test mode: Antenna model S5, 802.11b for 30MHz to 1GHz [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
66.37	30.81	1.00	109	2.48	33.29	40.00	-6.71
167.01	37.70	1.00	350	-2.55	35.15	43.50	-8.35
200.96	40.27	1.00	4	-2.68	37.59	43.50	-5.91
234.91	41.98	1.00	54	-2.80	39.18	46.00	-6.82
267.65	44.47	1.00	246	-2.94	41.53	46.00	-4.47
301.60	39.48	1.00	144	-2.33	37.15	46.00	-8.85

Test mode: Antenna model S5, 802.11b for 30MHz to 1GHz [Antenna polarity Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
33.64	29.14	1.00	284	7.40	36.54	40.00	-3.46
67.59	31.19	1.00	175	2.36	33.55	40.00	-6.45
393.75	43.50	1.00	36	0.22	43.72	46.00	-2.28
456.80	33.77	1.00	8	3.00	36.77	46.00	-9.23
586.54	28.96	1.00	342	8.21	37.17	46.00	-8.83
665.35	24.62	1.00	162	10.72	35.34	46.00	-10.66

Test mode: Antenna model S5, 802.11g for 30MHz to 1GHz [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
67.59	32.20	1.00	105	2.36	34.56	40.00	-5.44
199.75	41.13	1.00	14	-2.68	38.45	43.50	-5.05
213.09	42.89	1.00	4	-2.71	40.18	43.50	-3.32
234.91	42.92	1.00	54	-2.80	40.12	46.00	-5.88
260.37	45.70	1.00	258	-2.88	42.82	46.00	-3.18
267.65	44.57	1.00	234	-2.94	41.63	46.00	-4.37

Test mode: Antenna model S5, 802.11g for 30MHz to 1GHz [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	FCC Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)	(dB)	(dBμV/m)	Limit (dBμV/m)	Margin (dB)
33.64	28.89	1.00	310	7.40	36.29	40.00	-3.71
66.37	31.53	1.00	162	2.48	34.01	40.00	-5.99
392.54	41.02	1.00	46	0.17	41.19	46.00	-4.81
459.22	34.10	1.00	82	3.09	37.19	46.00	-8.81
587.75	29.01	1.00	323	8.26	37.27	46.00	-8.73
848.44	21.99	1.00	203	15.36	37.35	46.00	-8.65

Test mode: Antenna model S5, Channel 1 of IEEE 802.11b for 1GHz to 25GHz [Horizontal]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4823.12	1.00	267	3.76	42.20	---	74.00	53.96	-11.76
7233.75	1.00	104	10.07	49.51	---	74.00	53.96	-4.45
9644.37	1.00	226	11.44	44.72	---	74.00	53.96	-9.24

Test mode: Antenna model S5, Channel 1 of IEEE 802.11b for 1GHz to 25GHz [Vertical]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4823.12	1.00	160	3.76	41.03	---	74.00	53.96	-12.93
7227.71	1.00	113	10.04	51.82	---	74.00	53.96	-2.14
9644.37	1.00	58	11.44	44.72	---	74.00	53.96	-9.24

Test mode: Antenna model S5, Channel 6 of IEEE 802.11b for 1GHz to 25GHz [Horizontal]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4871.46	1.00	257	3.95	41.72	---	74.00	53.96	-12.24
7306.25	1.00	142	10.29	46.39	---	74.00	53.96	-7.57
9747.08	1.00	341	11.89	44.49	---	74.00	53.96	-9.47

Test mode: Antenna model S5, Channel 6 of IEEE 802.11b for 1GHz to 25GHz [Vertical]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4871.46	1.00	329	3.95	42.89	---	74.00	53.96	-11.07
7306.25	1.00	145	10.29	49.89	---	74.00	53.96	-4.07
9747.08	1.00	247	11.89	45.16	---	74.00	53.96	-8.80

Test mode: Antenna model S5, Channel 11 of IEEE 802.11b for 1GHz to 25GHz [Horizontal]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4925.83	1.00	143	4.13	43.90	---	74.00	53.96	-10.06
7390.83	1.00	280	10.41	47.52	---	74.00	53.96	-6.44
9849.79	1.00	144	11.93	45.04	---	74.00	53.96	-8.92

Test mode: Antenna model S5, Channel 11 of IEEE 802.11b for 1GHz to 25GHz [Vertical]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4919.79	1.00	126	4.11	43.72	---	74.00	53.96	-10.24
7384.79	1.00	41	10.42	48.20	---	74.00	53.96	-5.76
9849.79	1.00	96	11.93	48.37	---	74.00	53.96	-5.59

Test mode: Antenna model S5, Channel 1 of IEEE 802.11g for 1GHz to 25GHz [Horizontal]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4823.12	1.00	56	3.76	40.70	---	74.00	53.96	-13.26
7227.71	1.00	297	10.04	46.98	---	74.00	53.96	-6.98
9650.42	1.00	223	11.47	44.91	---	74.00	53.96	-9.05

Test mode: Antenna model S5, Channel 1 of IEEE 802.11g for 1GHz to 25GHz [Vertical]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4823.12	1.00	145	3.76	41.36	---	74.00	53.96	-12.60
7233.75	1.00	188	10.07	51.85	---	74.00	53.96	-2.11
9650.42	1.00	143	11.47	44.41	---	74.00	53.96	-9.55

Test mode: Antenna model S5, Channel 6 of IEEE 802.11g for 1GHz to 25GHz [Horizontal]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4877.50	1.00	77	3.97	44.58	---	74.00	53.96	-9.38
7306.25	1.00	238	10.29	48.06	---	74.00	53.96	-5.90
9747.08	1.00	149	11.89	44.38	---	74.00	53.96	-9.58

Test mode: Antenna model S5, Channel 6 of IEEE 802.11g for 1GHz to 25GHz [Vertical]

Radiated Emission				Corrected Amplitude (dBμV/m)		FCC Class B (3m)		
Frequency (MHz)	Ant. H. (m)	Table (°)	Correction Factors (dB)	Peak	Average	Limit (dBμV/m) Peak	Ave.	Margin (dB)
4877.50	1.00	271	3.97	40.41	---	74.00	53.96	-13.55
7318.33	1.00	339	10.31	52.75	---	74.00	53.96	-1.21
9747.08	1.00	158	11.89	44.66	---	74.00	53.96	-9.30

Test mode: Antenna model S5, Channel 11 of IEEE 802.11g for 1GHz to 25GHz [Horizontal]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4925.83	1.00	127	4.13	39.57	---	74.00	53.96	-14.39
7384.79	1.00	294	10.42	43.86	---	74.00	53.96	-10.10
9849.79	1.00	350	11.93	43.71	---	74.00	53.96	-10.25

Test mode: Antenna model S5, Channel 11 of IEEE 802.11g for 1GHz to 25GHz [Vertical]

Radiated Emission				*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. H. (m)*	*Table (°)*	*Correction Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
4925.83	1.00	69	4.13	39.90	---	74.00	53.96	-14.06
7384.79	1.00	247	10.42	50.53	---	74.00	53.96	-3.43
9849.79	1.00	100	11.93	45.37	---	74.00	53.96	-8.59

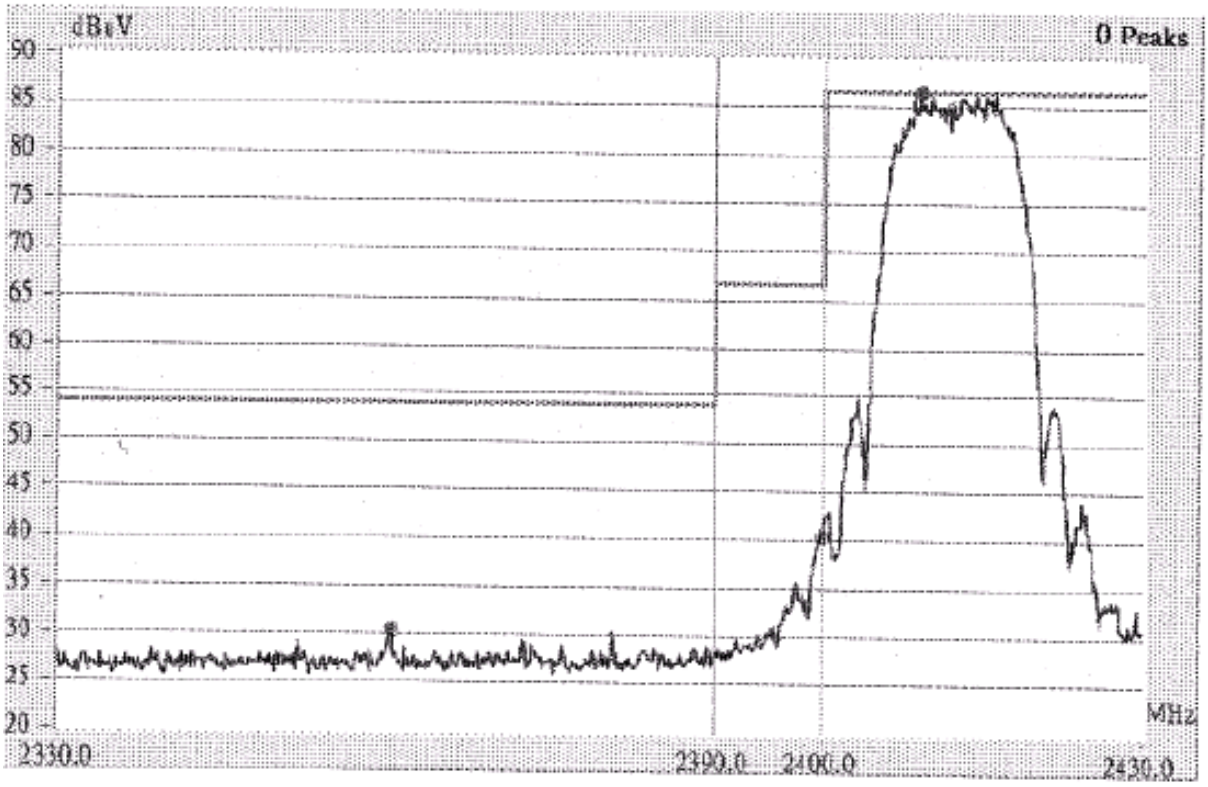
7.4 Test Result of the Bandedge

If any 100 kHz bandwidth outside these frequency bands, the radio frequency power that is produced by the modulation products of the spreading sequence, the information sequence and the carrier frequency shall be either *at least 20 dB below that in any 100 kHz bandwidth within the band that contains the highest level of the desired power or shall not exceed the general levels specified id § 15.209(a)*,

We perform this section by the *radiated manner*, the RBW is set to 100kHz and VBW>RBW. We' d made the observation *up to 10th harmonics and the criterion is all the harmonic/spurious emissions must be 20dB below the highest emission level measured.* If the emissions fall in the restricted bands stated in the Part15.205(a) must also *comply with the radiated emission limits specified in Part15.209(a). (Peak mode: RBW=VBW=1MHz, Average mode: RBW=1MHz; VBW=10Hz)*

The following pages show our observations referring to the channel 1 and 11 respectively.
Test Condition & Setup: same as < 7.1 >

L5C antenna, Channel 1 of IEEE 802.11b

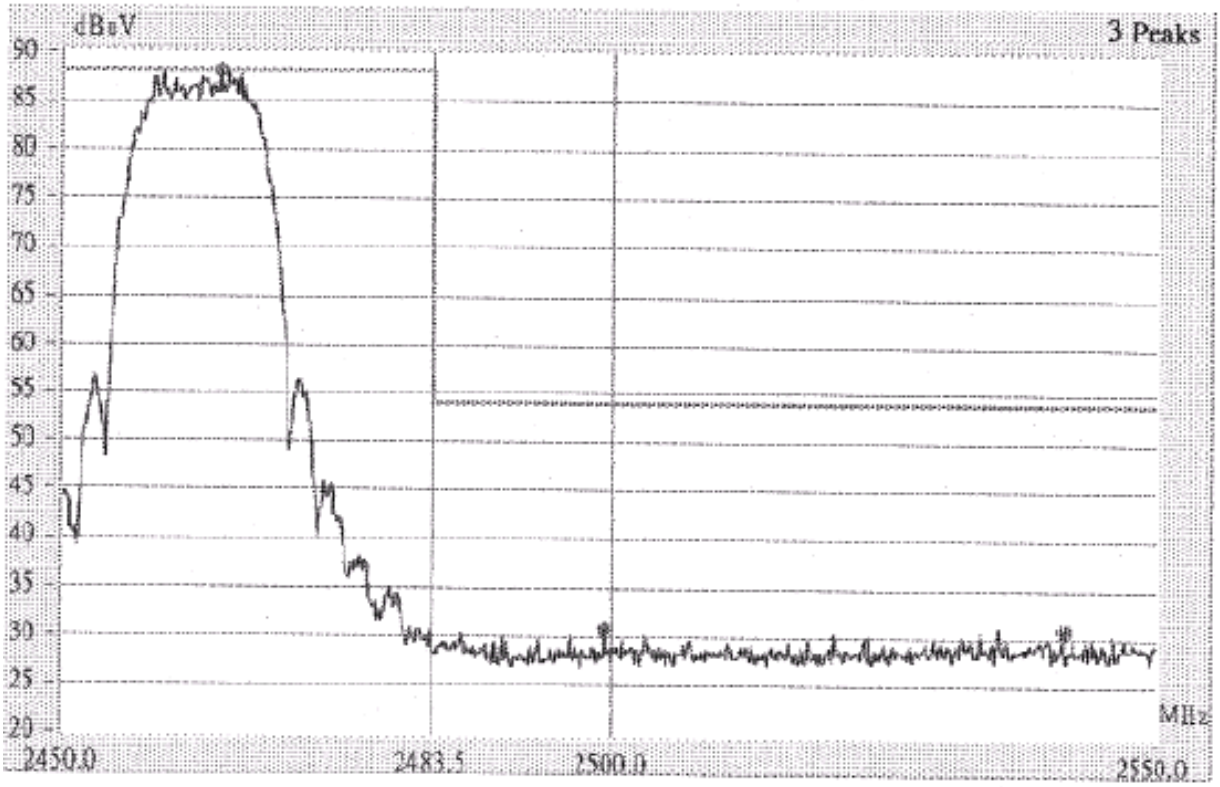


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

1. The lobe left by the fundamental side is already 20dB below the highest emission level.
2. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below.

Radiated Emission					*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2343.60	Hor	1.00	146	2.98	39.81	---	74.00	53.96	-14.15
2359.79	Hor	1.00	225	3.03	39.53	---	74.00	53.96	-14.43
2390.02	Hor	1.00	19	3.13	38.63	---	74.00	53.96	-15.33
2342.68	Ver	1.00	269	2.98	39.48	---	74.00	53.96	-14.48
2390.02	Ver	1.00	217	3.13	36.47	---	74.00	53.96	-17.49

L5C antenna, Channel 11 of IEEE 802.11b

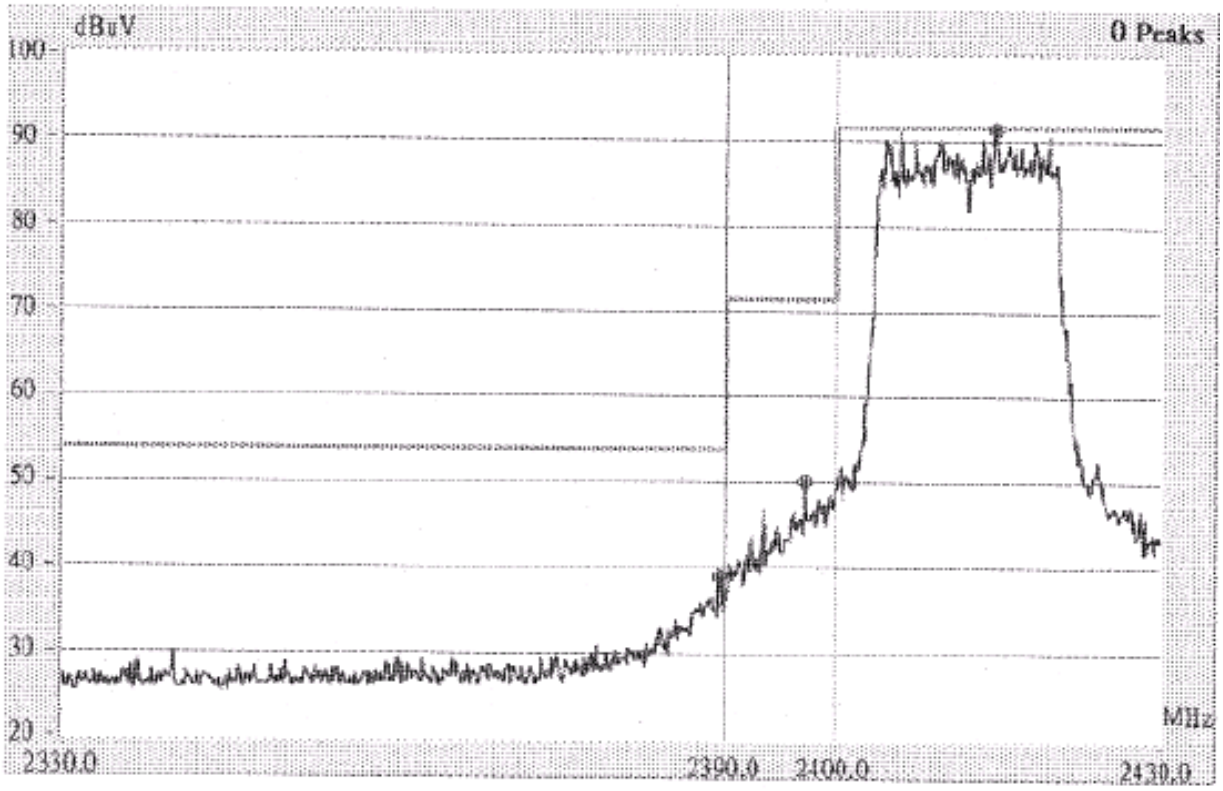


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

3. The lobe right by the fundamental side is already 20dB below the highest emission level.
4. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below

Radiated Emission					*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2483.50	Hor	1.00	334	3.45	40.95	---	74.00	53.96	-13.01
2491.32	Hor	1.00	28	3.47	40.80	---	74.00	53.96	-13.16
2500.01	Hor	1.00	195	3.50	38.33	---	74.00	53.96	-15.63
2535.30	Hor	1.00	40	3.55	41.71	---	74.00	53.96	-12.25
2498.67	Ver	1.00	153	3.50	38.66	---	74.00	53.96	-15.30
2519.26	Ver	1.00	117	3.53	39.19	---	74.00	53.96	-14.77

L5C antenna, Channel 1 of IEEE 802.11g

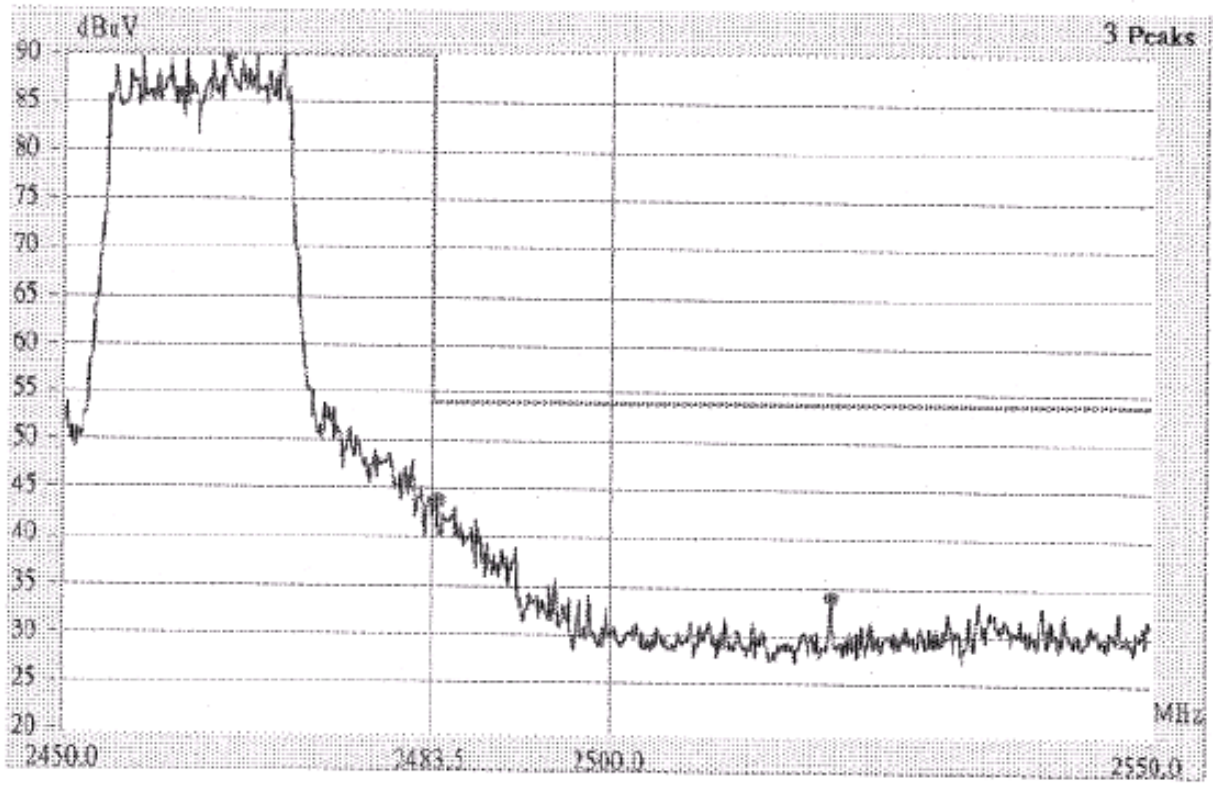


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

5. The lobe left by the fundamental side is already 20dB below the highest emission level.
6. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below.

Radiated Emission					*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2387.74	Hor	1.00	52	3.13	53.79	---	74.00	53.96	-0.17
2389.89	Hor	1.00	163	3.13	54.30	28.46	74.00	53.96	-19.70
2390.02	Hor	1.00	245	3.13	49.97	---	74.00	53.96	-3.99
2389.26	Ver	1.00	227	3.13	41.13	---	74.00	53.96	-12.83
2390.02	Ver	1.00	190	3.13	41.63	---	74.00	53.96	-12.33

L5C antenna, Channel 11 of IEEE 802.11g

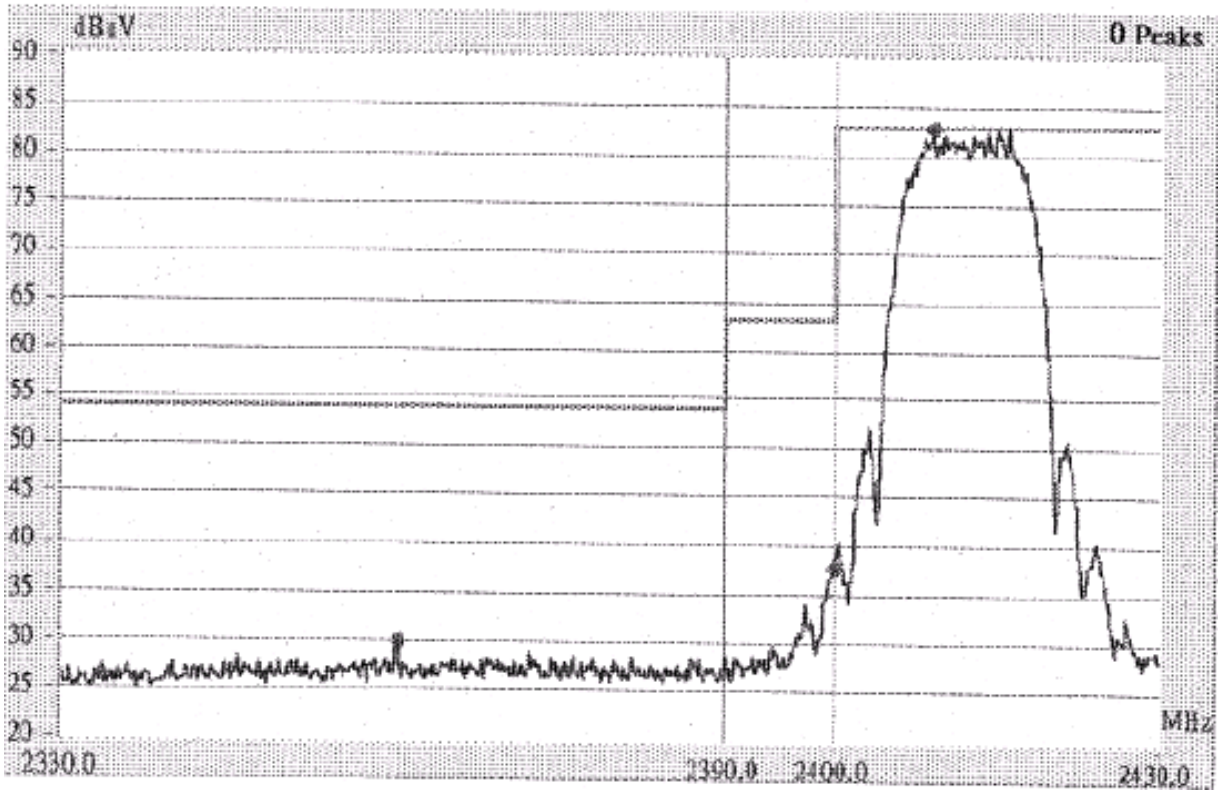


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

7. The lobe right by the fundamental side is already 20dB below the highest emission level.
8. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below

Radiated Emission					*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2483.23	Hor	1.00	147	3.44	55.78	29.27	74.00	53.96	-18.22
2484.18	Hor	1.00	256	3.45	55.78	28.95	74.00	53.96	-18.22
2500.01	Hor	1.00	48	3.50	40.83	---	74.00	53.96	-13.13
2528.42	Hor	1.00	236	3.54	43.20	---	74.00	53.96	-10.76
2483.68	Ver	1.00	123	3.45	47.45	---	74.00	53.96	-6.51
2540.37	Ver	1.00	44	3.55	39.22	---	74.00	53.96	-14.74

M6N antenna, Channel 1 of IEEE 802.11b

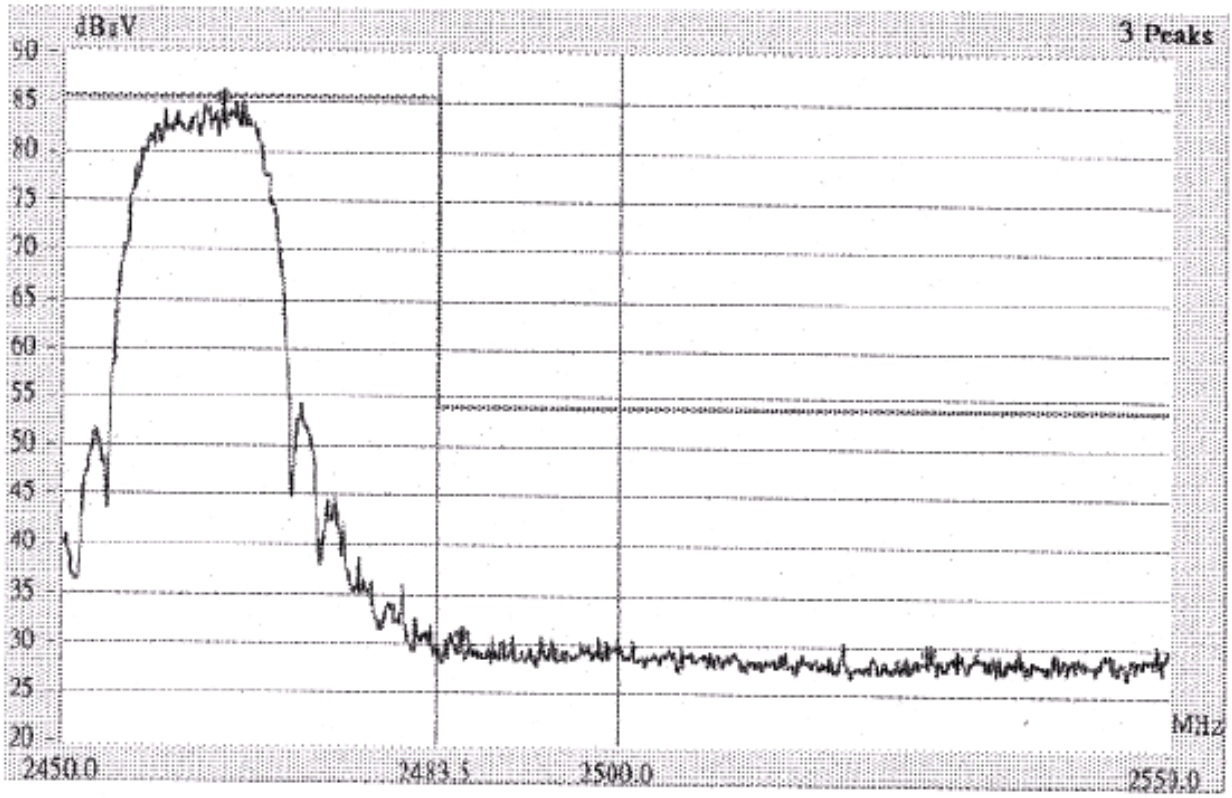


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

1. The lobe left by the fundamental side is already 20dB below the highest emission level.
2. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below.

Radiated Emission					*Corrected Amplitude (dBµV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBµV/m) Peak*	*Ave.*	*Margin (dB)*
2367.92	Hor	1.00	316	3.06	40.06	---	74.00	53.96	-13.90
2390.02	Hor	1.00	258	3.13	38.47	---	74.00	53.96	-15.49
2345.87	Ver	1.00	175	2.99	38.65	---	74.00	53.96	-15.31
2390.02	Ver	1.00	31	3.13	37.13	---	74.00	53.96	-16.83

M6N antenna, Channel 11 of IEEE 802.11b



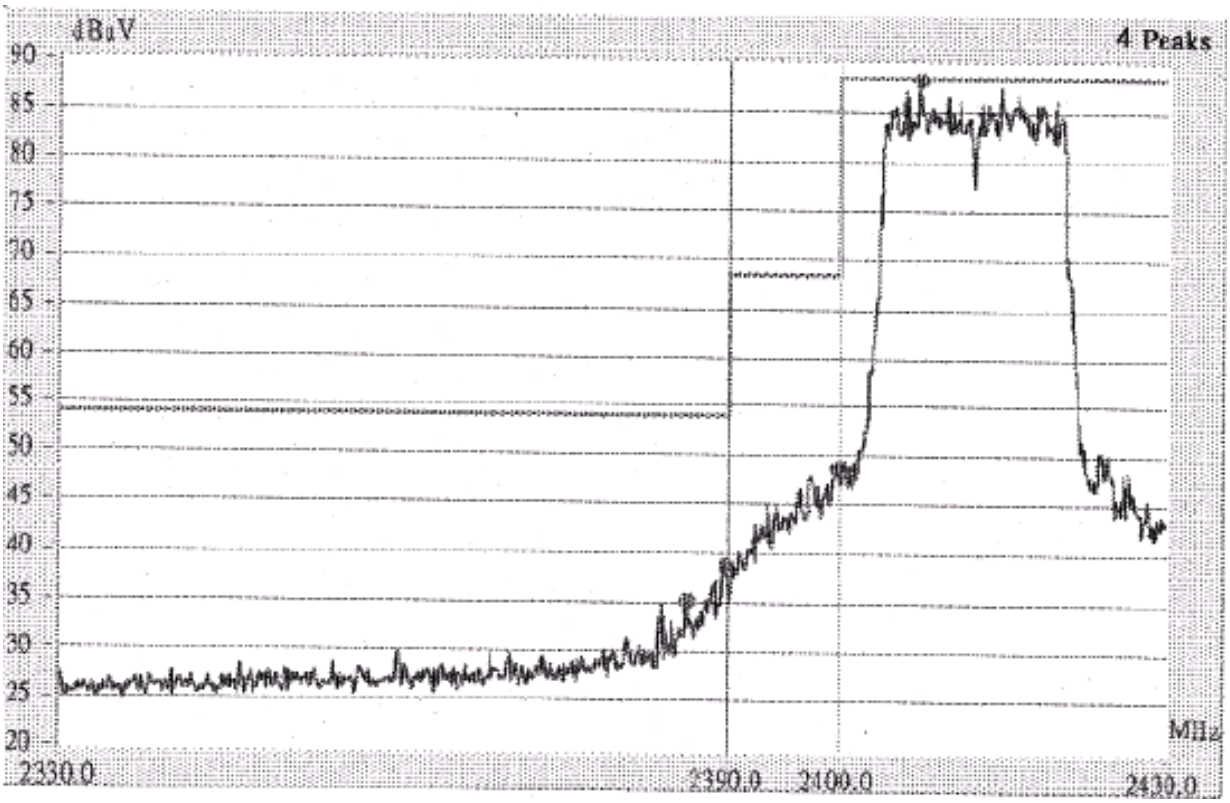
This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

3. The lobe right by the fundamental side is already 20dB below the highest emission level.

4. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below

Radiated Emission					*Corrected Amplitude (dBµV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*			*Limit (dBµV/m)*		*Margin (dB)*
					Peak	*Average*	*Peak*	*Ave.*	
2483.50	Hor	1.00	297	3.45	38.95	---	74.00	53.96	-15.01
2485.19	Hor	1.00	241	3.45	42.95	---	74.00	53.96	-11.01
2500.65	Hor	1.00	114	3.50	42.17	---	74.00	53.96	-11.79
2486.77	Ver	1.00	57	3.46	38.46	---	74.00	53.96	-15.50
2500.01	Ver	1.00	240	3.50	37.17	---	74.00	53.96	-16.79
2511.73	Ver	1.00	40	3.52	38.68	---	74.00	53.96	-15.28

M6N antenna, Channel 1 of IEEE 802.11g

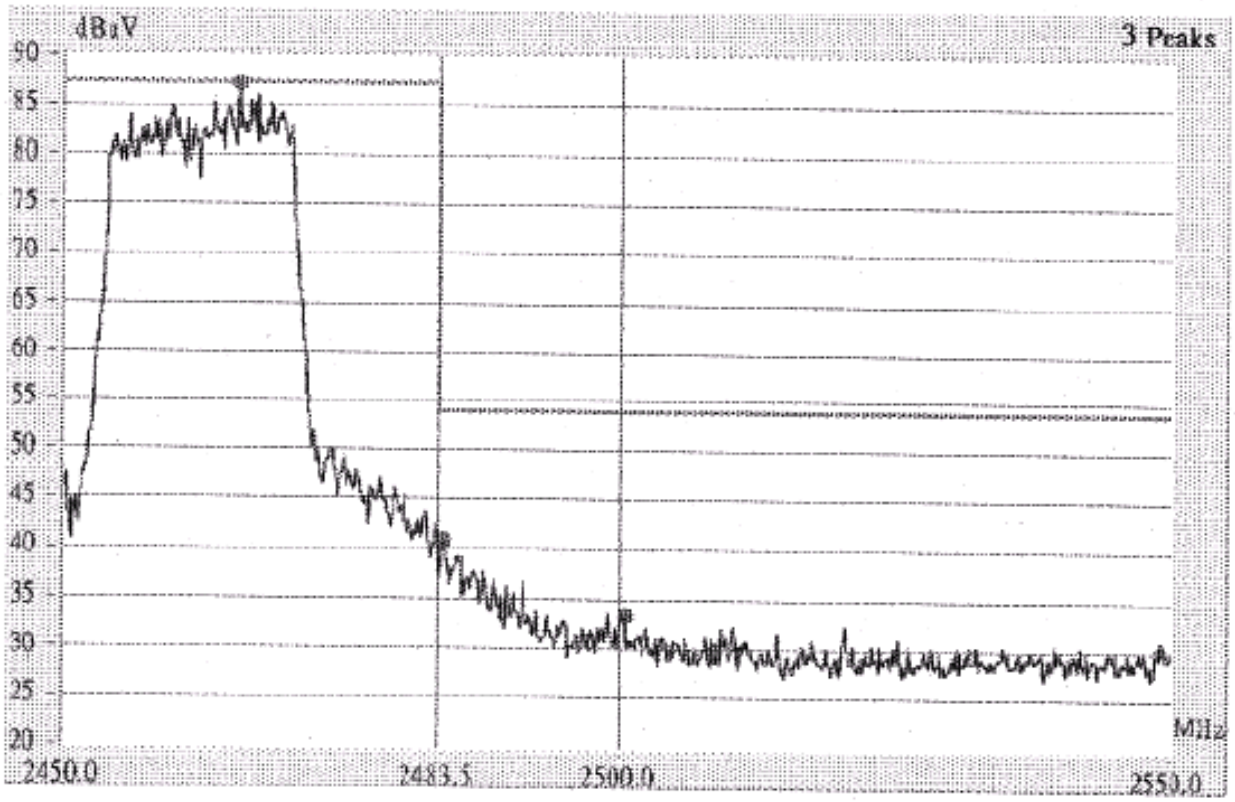


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

5. The lobe left by the fundamental side is already 20dB below the highest emission level.
6. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below.

Radiated Emission					*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2387.44	Hor	1.00	251	3.13	49.79	---	74.00	53.96	-4.17
2390.05	Hor	1.00	160	3.13	50.13	---	74.00	53.96	-3.83
2387.99	Ver	1.00	22	3.13	39.29	---	74.00	53.96	-14.67
2390.05	Ver	1.00	149	3.13	39.47	---	74.00	53.96	-14.49

M6N antenna, Channel 11 of IEEE 802.11g



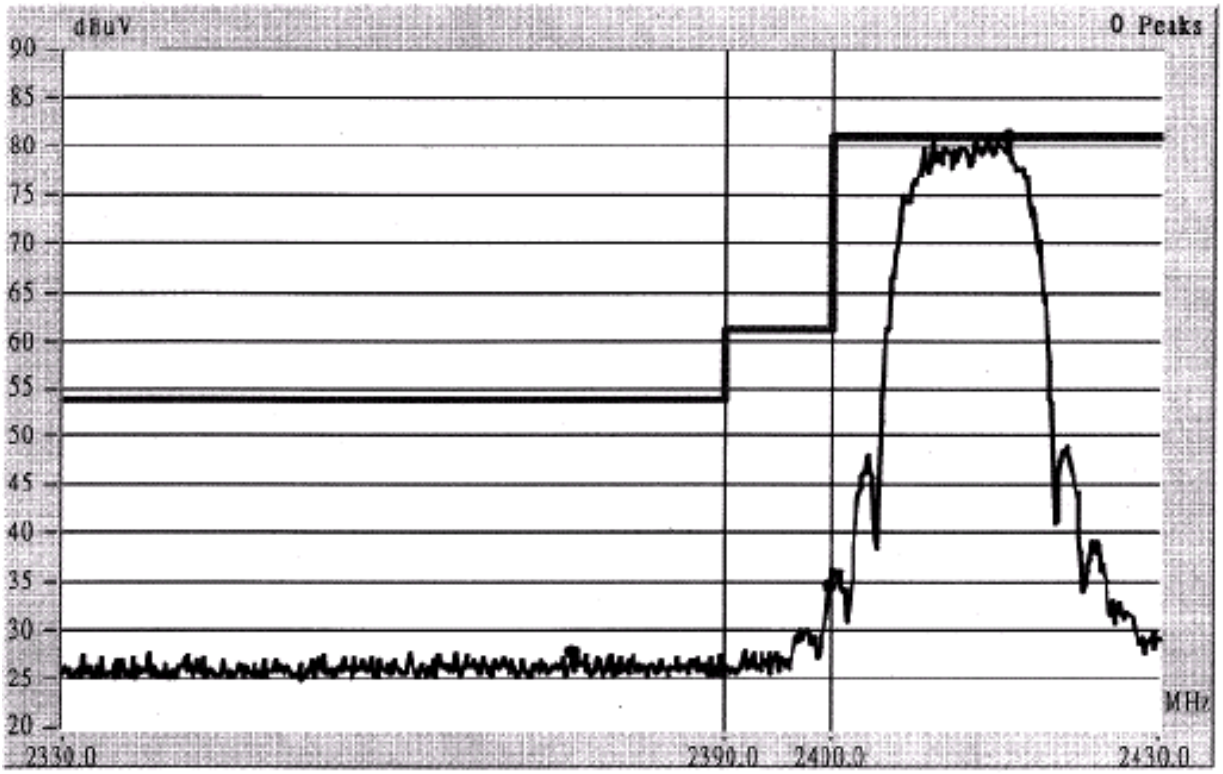
This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

7. The lobe right by the fundamental side is already 20dB below the highest emission level.

8. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below

Radiated Emission					*Corrected Amplitude (dBµV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBµV/m) Peak*	*Ave.*	*Margin (dB)*
2483.03	Hor	1.00	161	3.44	50.44	---	74.00	53.96	-3.52
2484.61	Hor	1.00	322	3.45	51.28	---	74.00	53.96	-2.68
2500.01	Hor	1.00	46	3.50	42.67	---	74.00	53.96	-11.29
2510.74	Hor	1.00	274	3.51	43.35	---	74.00	53.96	-10.61
2486.12	Ver	1.00	109	3.45	39.62	---	74.00	53.96	-14.34
2502.52	Ver	1.00	112	3.50	39.84	---	74.00	53.96	-14.12

S5 antenna, Channel 1 of IEEE 802.11b

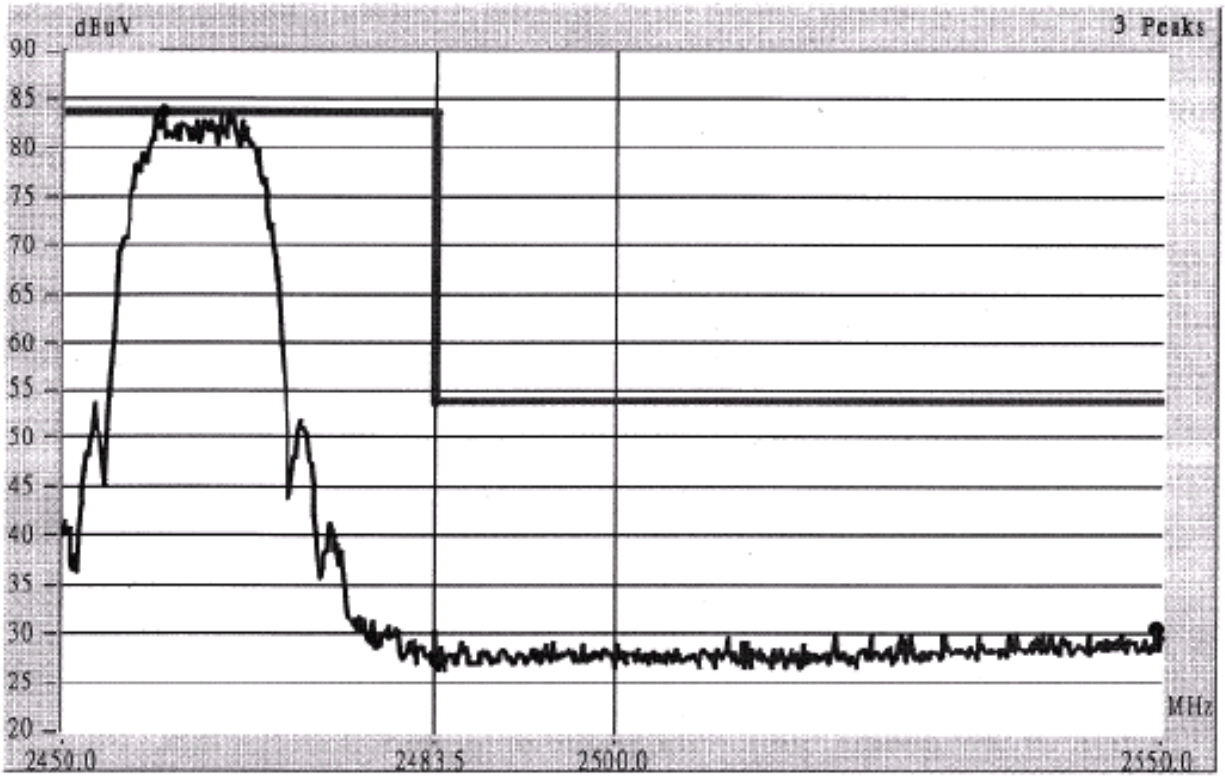


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

1. The lobe left by the fundamental side is already 20dB below the highest emission level.
2. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below.

Radiated Emission					*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2360.22	Hor	1.00	115	3.04	38.87	---	74.00	53.96	-15.09
2390.02	Hor	1.00	43	3.13	36.63	---	74.00	53.96	-17.33
2364.45	Ver	1.00	98	3.05	38.88	---	74.00	53.96	-15.08
2390.02	Ver	1.00	249	3.13	36.63	---	74.00	53.96	-17.33

S5 antenna, Channel 11 of IEEE 802.11b

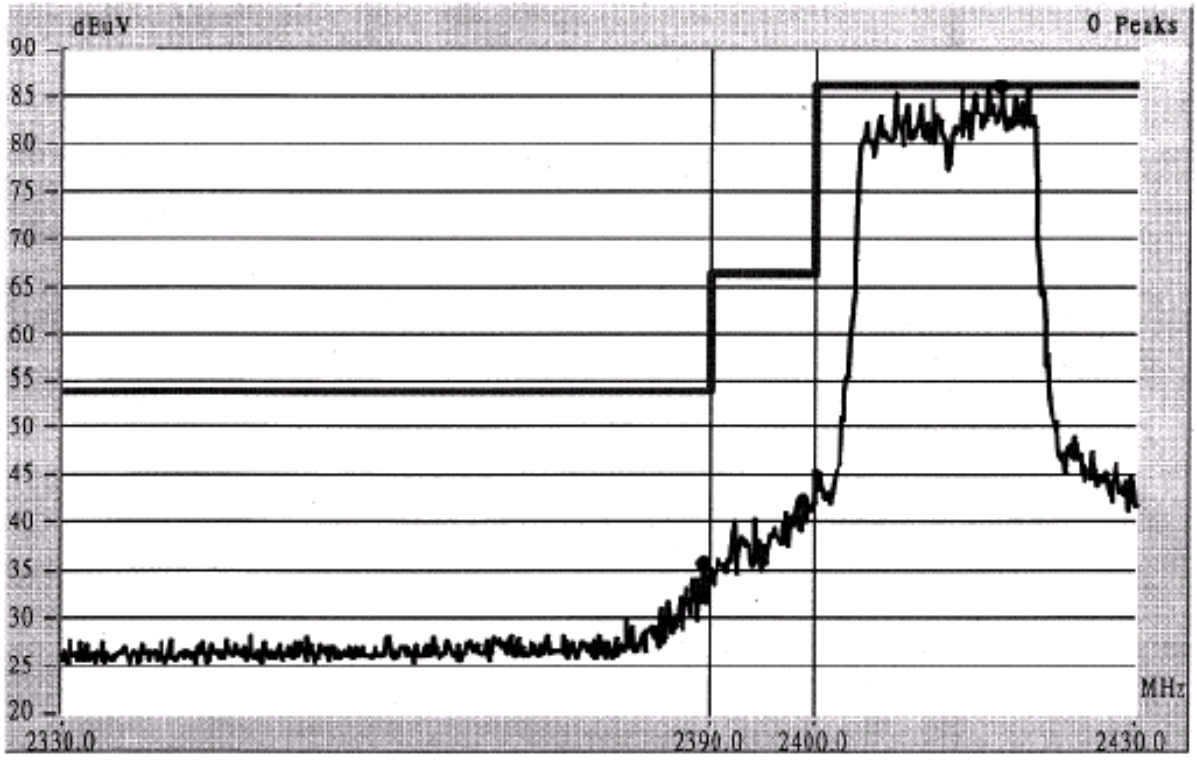


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

3. The lobe right by the fundamental side is already 20dB below the highest emission level.
4. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below

Radiated Emission					*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2483.50	Hor	1.00	153	3.45	37.78	---	74.00	53.96	-16.18
2486.36	Hor	1.00	3	3.45	39.62	---	74.00	53.96	-14.34
2500.01	Hor	1.00	176	3.50	38.17	---	74.00	53.96	-15.79
2548.48	Hor	1.00	195	3.56	41.06	---	74.00	53.96	-12.90
2492.31	Ver	1.00	314	3.47	38.81	---	74.00	53.96	-15.15
2506.31	Ver	1.00	67	3.51	38.84	---	74.00	53.96	-15.12

S5 antenna, Channel 1 of IEEE 802.11g

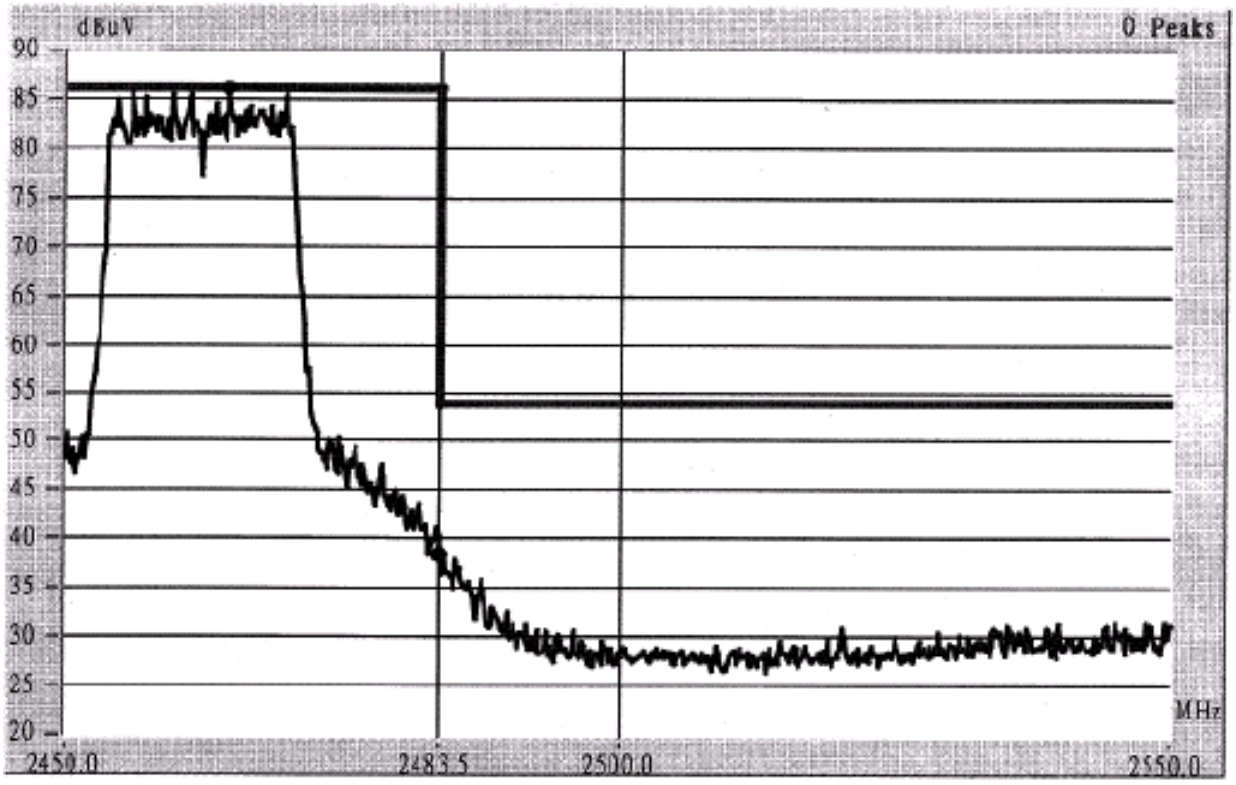


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

5. The lobe left by the fundamental side is already 20dB below the highest emission level.
6. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below.

Radiated Emission					*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2389.69	Hor	1.00	163	3.13	46.97	---	74.00	53.96	-6.99
2390.02	Hor	1.00	120	3.13	41.30	---	74.00	53.96	-12.66
2388.12	Ver	1.00	187	3.13	38.63	---	74.00	53.96	-15.33
2390.02	Ver	1.00	16	3.13	37.13	---	74.00	53.96	-15.33

S5 antenna, Channel 11 of IEEE 802.11g



This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

7. The lobe right by the fundamental side is already 20dB below the highest emission level.
8. The emissions recorded in the restricted band is do comply with the Part 15.209(a) – as below

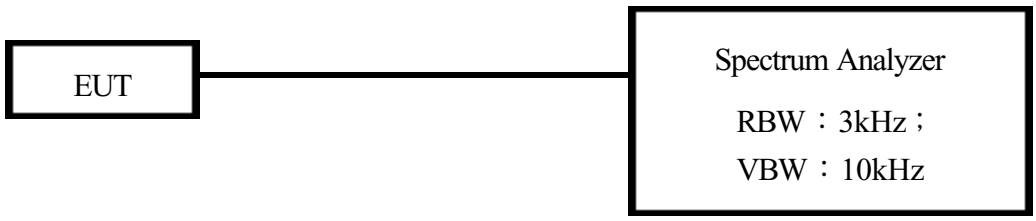
Radiated Emission					*Corrected Amplitude (dBμV/m)*		*FCC Class B (3m)*		
Frequency (MHz)	*Ant. P.*	*Ant. H. (m)*	*Table (°)*	*Factors (dB)*	*Peak*	*Average*	*Limit (dBμV/m) Peak*	*Ave.*	*Margin (dB)*
2483.62	Hor	1.00	27	3.45	48.78	---	74.00	53.96	-5.18
2500.01	Hor	1.00	103	3.50	40.00	---	74.00	53.96	-13.96
2483.50	Ver	1.00	138	3.45	39.61	---	74.00	53.96	-14.35
2487.93	Ver	1.00	285	3.46	41.46	---	74.00	53.96	-12.50
2500.01	Ver	1.00	36	3.50	37.33	---	74.00	53.96	-16.63
2512.14	Ver	1.00	166	3.52	39.35	---	74.00	53.96	-14.61

VIII. Section 15.247(d): Power Spectral Density

8.1 Test Condition & Setup

The tests below are running with the EUT transmitter set at high power in TDD mode. The EUT is needed to force selection of output power level and channel number. While testing, the EUT was set to transmit continuously and to be tested by the contact manner with the spectrum analyzer.

8.2 Test Instruments Configuration



P.S.: Notebook computer to control the EUT at maximal power output and channel Number and set antenna kit

8.3 List of Test Instruments

Instrument Name	Model No.	Brand	Serial No.	Last time	Next time
Spectrum Analyzer	MS2665C	ANRITSU	6200175476	09/30/03	09/30/04

8.4 Test Result of Power spectral density

The following table shows a summary of the test results of the Power Spectral Density.

IEEE 802.11b

Channel	*Frequency (GHz)*	*Ppr (dBm)*	*Cable Loss (dB)*	*Ppq (dBm)*	*Limit (dB)*	*Margin (dB)*
CH 01	2.41	-20.21	0.70	-19.51	8.00	-27.51
CH 06	2.44	-16.48	0.70	-15.78	8.00	-23.78
CH 11	2.46	-20.44	0.70	-19.74	8.00	-27.74

IEEE 802.11g

Channel	*Frequency (GHz)*	*Ppr (dBm)*	*Cable Loss (dB)*	*Ppq (dBm)*	*Limit (dB)*	*Margin (dB)*
CH 01	2.41	-17.12	0.70	-16.42	8.00	-24.42
CH 06	2.44	-16.94	0.70	-16.24	8.00	-24.24
CH 11	2.46	-17.97	0.70	-17.27	8.00	-25.27

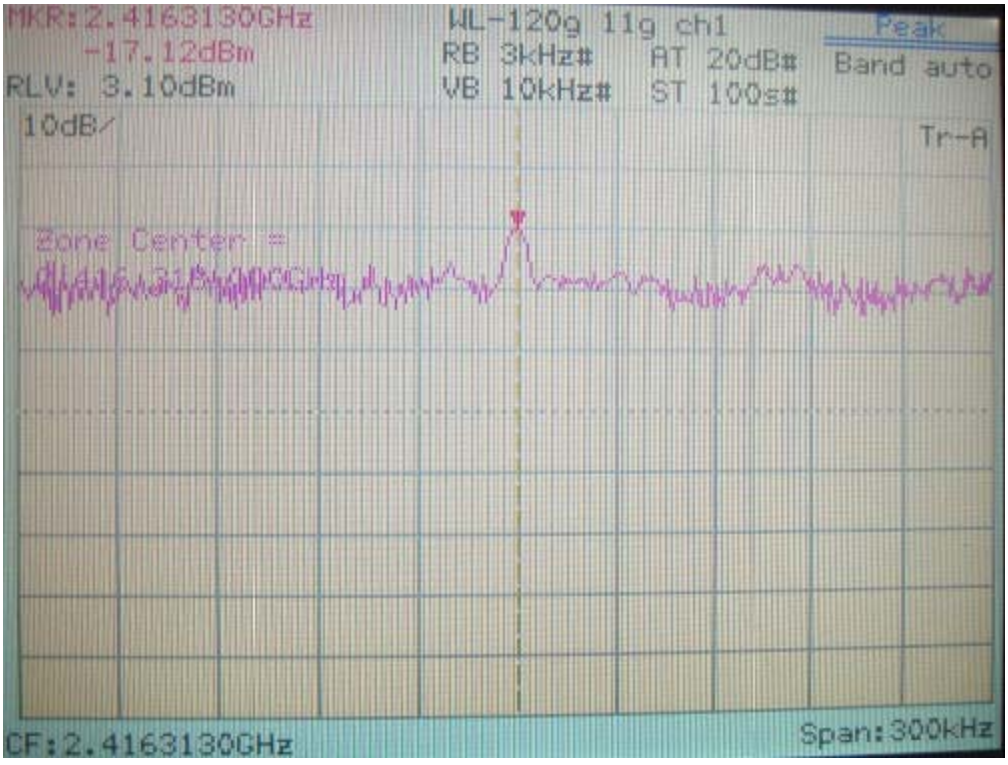
Note:

1. The following pages show the results of spectrum reading.
2. Ppr: spectrum read power density (using peak search mode),
   Ppq: actual peak power density in the spread spectrum band.
3. Ppq = Ppr + |Cable Loss|

Channel 01

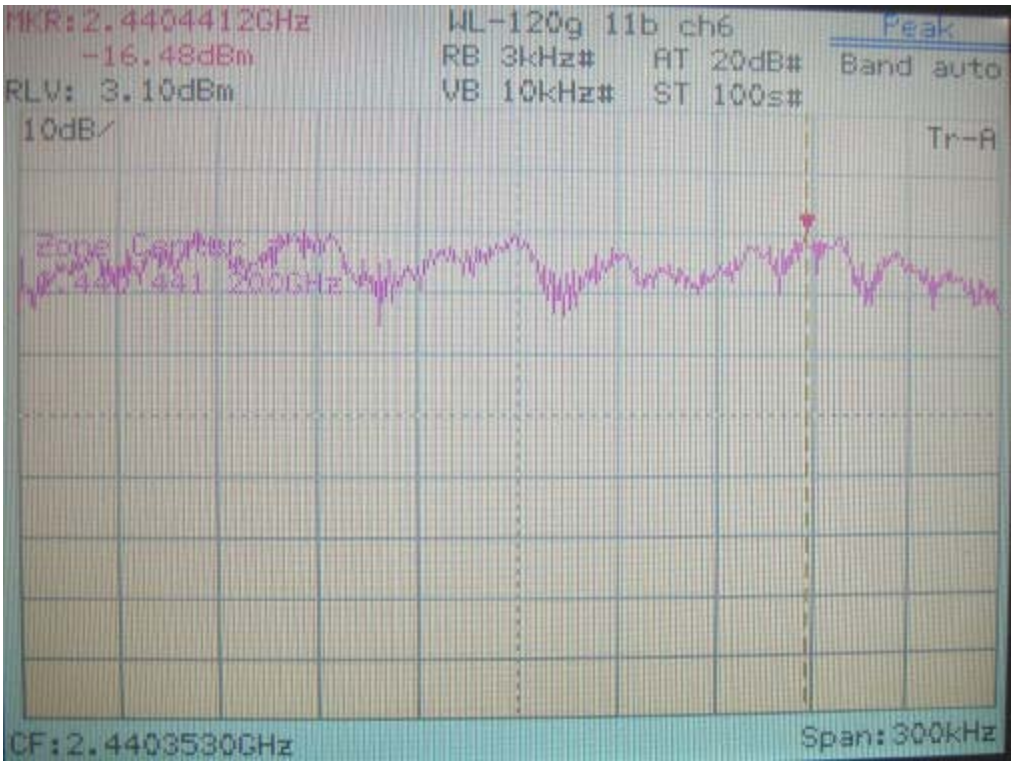
IEEE 802.11b

IEEE 802.11g

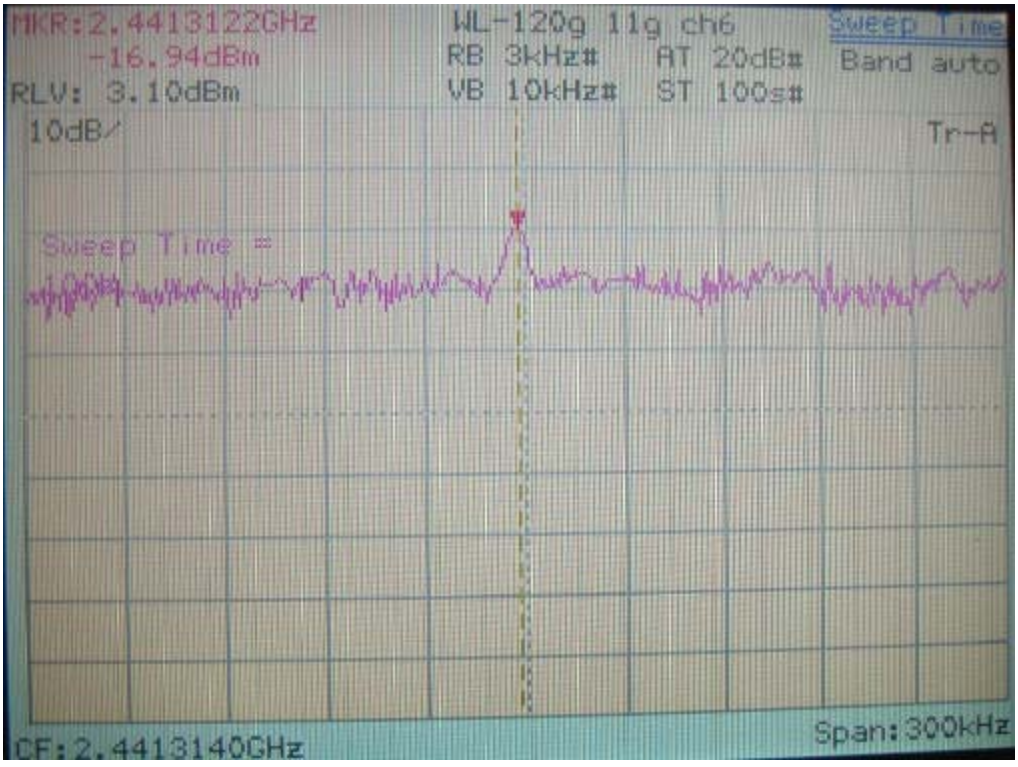


Channel 6

IEEE 802.11b

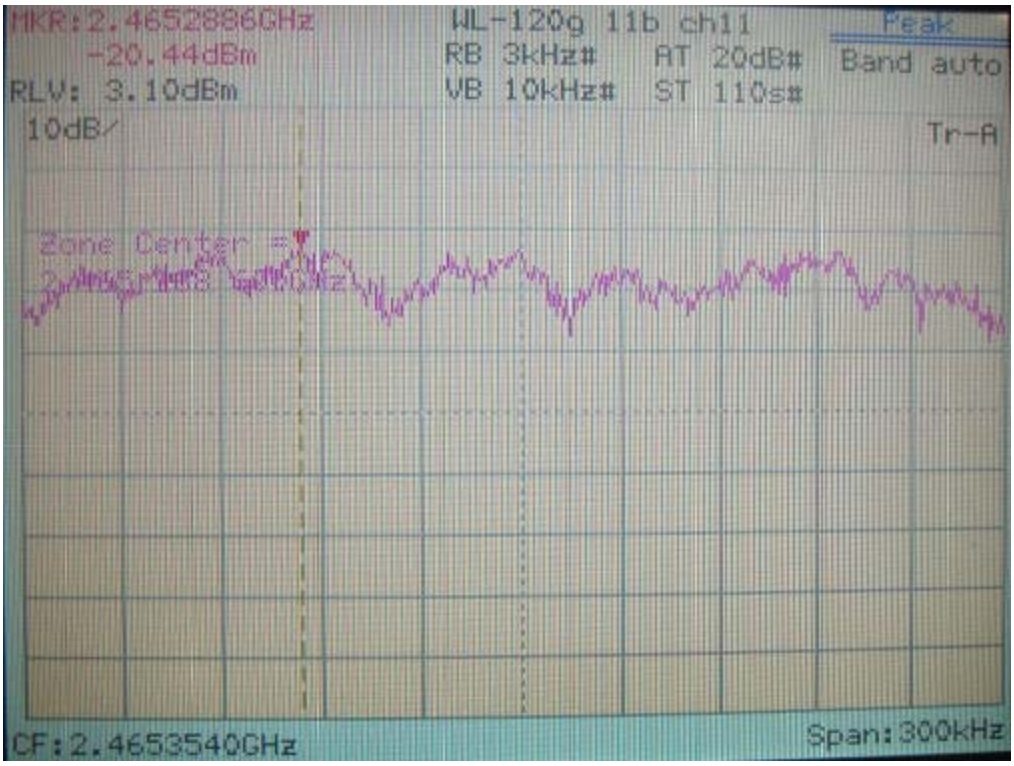


IEEE 802.11g



Channel 11

IEEE 802.11b



IEEE 802.11g