

MEASUREMENT REPORT of *Wireless Mini-PCI Adapter*

Applicant : CAMEO COMMUNICATIONS, INC.
EUT : 802.11g Wireless mini-PCI Adapter
Model : WLG-1303
FCC ID : NHPWLG1303

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 (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 **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 : CAMEO COMMUNICATIONS, INC.
Applicant address : No. 42, Min Chuan East Road, Section 6, Taipei 114, Taiwan
FCC ID : NHPWLG1303
Report No. : C5115050201
Test Date : April 29, 2005

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.**
- (3) **This test report, measurements made by TRC are traceable to the NIST only Conducted and Radiated Method.**

★ NVLAP LAB CODE: 200174-0

Tables of Contents

I. GENERAL	5
1.1 Introduction	5
1.2 Description of EUT	5
1.3 Test method	5
1.4 Description of Support Equipment	6
1.5 Configuration of System Under Test	8
1.6 Verify the Frequency and Channel	9
1.7 Test Procedure	10
1.8 Location of the Test Site	10
1.9 General Test Condition	10
II. Section 15.203 : Antenna Requirement	11
III. Section 15.207 : Power Line Conducted Emissions for AC Powered Units	12
3.1 Test Condition & Setup	12
3.2 List of Test Instruments	13
3.3 Test Result of Conducted Emissions	14
Antenna#1	14
Antenna#2	18
Antenna#3	21
IV. Section 15.247(a) : Technical Description of the EUT	25
V. Section 15.247(a)(2) : Bandwidth for Direct Sequence System	26
5.1 Test Condition & Setup	26
5.2 Test Instruments Configuration	26
5.3 List of Test Instruments	26
5.4 Test Result of Bandwidth	26
Channel 01	27
Channel 06	28
Channel 11	29

VI. Section 15.247(b) : Power Output	30
6.1 Test Condition & Setup	30
6.2 List of Test Instruments	30
6.3 Test Result	30
VII. Section 15.247(c) : Spurious Emissions (Radiated)	31
7.1 Test Condition & Setup	31
7.2 List of Test Instruments	33
7.3 Test Result of Spurious Radiated Emissions	34
Antenna#1	34
Antenna#2	48
Antenna#3	62
7.4 Test Result of Bandedge	76
Antenna#1	77
Antenna#2	81
Antenna#3	85
VIII. Section 15.247(d) : Power Spectral Density	89
8.1 Test Condition & Setup	89
8.2 Test Instruments Configuration	89
8.3 List of Test Instruments	89
8.4 Test Result of Power Spectral Density	89
Channel 01	90
Channel 06	91
Channel 11	92

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 : 802.11g Wireless mini-PCI Adapter
Model Name : WLG-1303
FCC ID : NHPWLG1303
Frequency Range : 2.412 GHz ~ 2.462GHz
Support Channel : 11 Channels
Channel Spacing : 5MHz
Modulation Skill : DBPSK, DQPSK, CCK, OFDM
Power Type : Powered by Mini-PCI interface of client' s device

1.3 Test method

1. Insert the EUT into the mini-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 mode of continuous transmission; the test is performed under the specific conditions.
3. Set different channel and data rate being tested and repeat the procedures above.
 - (a) Radiated for Intentional test:
making EUT to the mode of continuous transmission
 - (b) Conduction 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** : **IBM Think Pad X20**
- Model No. : 2662-11T
- Serial No. : FX-1192200/09
- FCC ID : N/A, DoC Approved
- BSMI : 3892B565

- Adaptor** : **IBM**
- Model No. : PA2450U
- Serial No. : 02K6654
- FCC ID : N/A, DoC Approved
- Power type : I/P: 100 ~ 240vac, 50 ~ 60 Hz, 0.5A ~ 1.2A; O/P: 16Vdc, 4.5A
- Power cord : Non-shielded, 1.80m length, Plastic, with ferrite core

- Fax/Modem** : **Aceex**
- Model No. : DM-1414
- Serial No. : 9010582
- FCC ID : IFAXDM1414
- Power type : Switching
- Power Cord : Non-shielded, 1.90m length, Plastic hoods, and no ferrite bead
- Data Cable : RS-232→Shielded, 1.30m length, Metal hoods , No bead
RJ-11Cx2→Non-shielded, 7' length, Plastic hoods, No bead

- 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

USB Gamepad : Rockfire
Model No. : QF-337uv
Serial No. : 10600545, KR91379759
FCC ID : None (CE approval)
BSMI : 3862A574
Power type : By computer
Data Cable : Shielded, 1.81m length, Plastic, with ferrite core

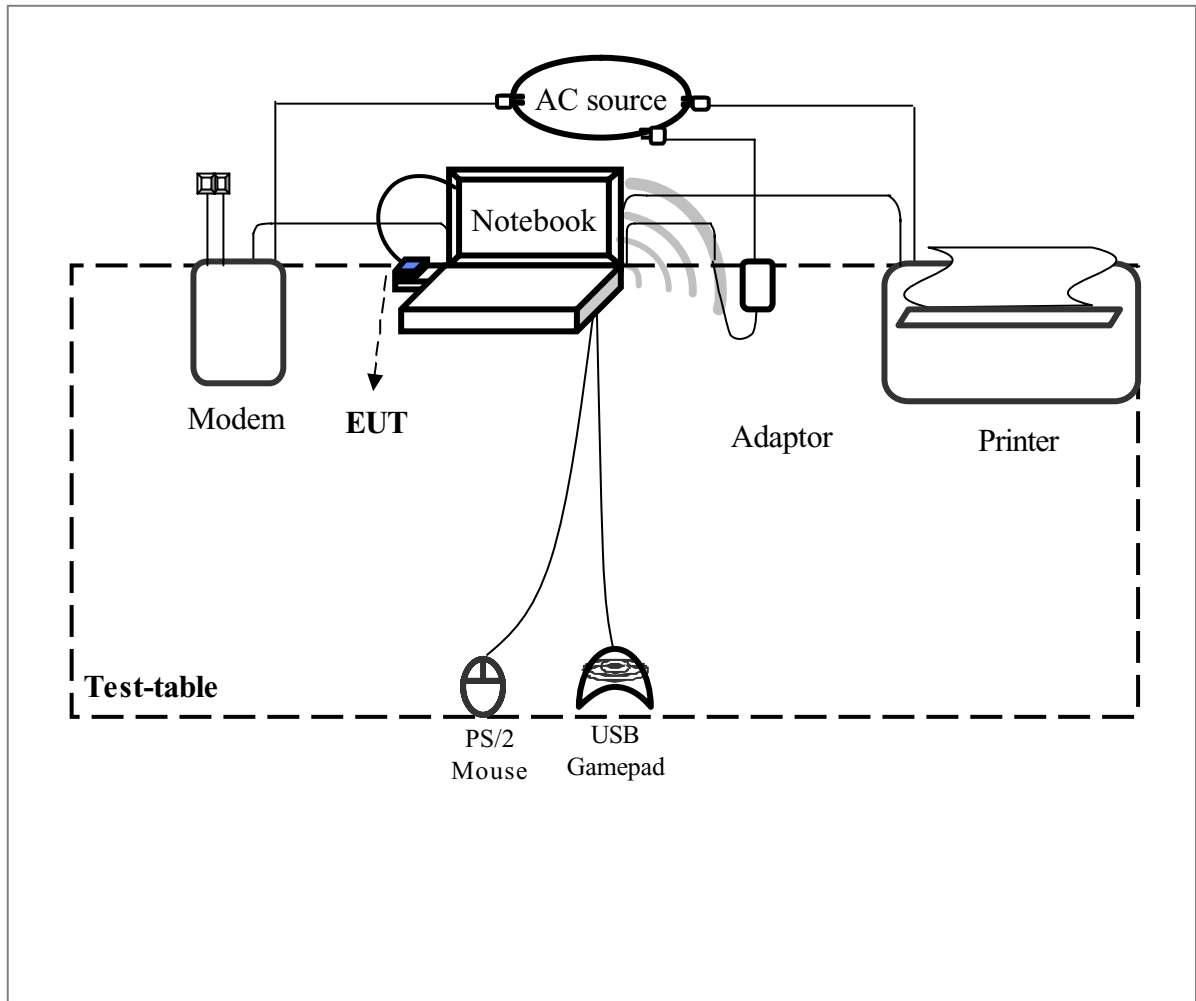
PS/2 Mouse : HP
Model No. : M-S69
Serial No. : 334684-002 323614-001
FCC ID : DoC Approved
BSMI : R41126
Power type : By PC
Power cord : Shielded, 1.90m length, No ferrite core

Notebook : TWINHEAD
Model No. : N222S8
Serial No. : SY3261000988
FCC ID : N/A, DoC Approved
BSMI : 71001018

Adaptor : LISHIN INTERNATIONAL ENTERPRISE CORP.
Model No. : LSE9802A2060
Serial No. : A20231065818
BSMI : 3882B381
Power type : I/P: 100 ~ 240Vac, 50/ 60 Hz, 1.5A ; O/P: 20Vdc, 3A 60W Max.
Power cord : Non-shielded, 180cm length, No ferrite core
(between adaptor and AC source)
Non-shielded, 150cm length, with ferrite core
(between NB and adaptor)

WLAN Card : Gemtek Technology Co., Ltd.
Model No. : C911003
FCC ID : MXF-C911003

1.5 Configuration of System Under Test



Connections of Computer:

- *Parallel Port --- a printer
- *Serial Port --- an external modem
- *PS/2 Port --- a P/2 mouse
- *USB Port --- a USB gamepad
- *PCMCIA Port --- **EUT (via fixture)**

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 (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 15.203: Antenna requirement

The EUT can be equipped with detachable antenna. The external antenna is affixed to the EUT using a unique connector. The antenna requirement stated in Section 15.203 is inapplicable to this EUT.

The antenna specification of list as follows,

Antenna No.	Antenna manufacturer Model / Part No.	Mini-PCI Connector	Antenna Type	Antenna Gain (Max.)
Antenna#1	FAVORTRON CO., LTD. D900T / 23-742R4-C81	I-PEX	PIFA	1.82dBi
Antenna#2	HIGH-TEK HARNESS GROUP. ECS A535 / 13-130-F27011	I-PEX	PIFA	2.0dBi
Antenna#3	VSO ELECTRIC CO., LTD. F0454 / 13-130-F14031	I-PEX	PIFA	-0.9dBi
Antenna#4	HIGH-TEK HARNESS GROUP. ECS G550 / 14-211-F14031	I-PEX	PIFA	2.0dBi

Note:

- (1) There antennas were selected for the final test: 23-742R4-C81, 13-130-F27011, and 13-130-F14031.
- (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 9KHz. No post-detector video filter was used.

The spectrum was scanned from 150KHz to 30MHz. 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 4.3.

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

Instrument Name	Model	Brand	Serial No.	Calibration Date
				Next time
EMI Receiver	8546A	HP	3520A00242	08/05/05
RF Filter Section	85460A	HP	3448A00217	08/05/05
LISN (EUT)	LISN-01	TRC	99-05	10/07/05
LISN (Support E.)	LISN-01	TRC	9912-03, 04	11/04/05
Pre-amplifier	15542 ZFL-500	Mini – Circuits	0 0117	05/20/05
6dB Attenuator	MCL BW-S6W2	Mini – Circuits	9915 – Conducted	05/20/05
10dB Attenuator	A5542 VAT010	Mini – Circuits	0215 – Conducted	05/20/05
Coaxial Cable (2 meter)	A30A30-0058-50FS-2M	Jyebao	SMA-08	05/20/05
Coaxial Cable (1.1 meter)	A30A30-0058-50FS-1M	Jyebao	SMA-09	05/20/05
Coaxial Cable (20 meter)	RG-214/U	Jyebao	NP-01	05/20/05
Coaxial Cable (20 meter)	RG-214/U	Jyebao	NP-02	05/20/05
Auto Switch Box (< 30MHz)	ASB-01	TRC	9904-01	05/20/05

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

Test mode: Standby mode, Antenna#1

<i>Power Connected Emissions</i>					<i>Class B</i>		
<i>Conductor</i>	<i>Frequency (KHz)</i>	<i>Peak (dBµV)</i>	<i>QP (dBµV)</i>	<i>Average (dBµV)</i>	<i>QP-limit (dBµV)</i>	<i>AVG-limit (dBµV)</i>	<i>Margin (dB)</i>
Line 1	171.000	51.36	---	---	65.40	55.40	-4.04
	238.000	45.30	---	---	63.49	53.49	-8.19
	504.000	37.24	---	---	56.00	46.00	-8.76
	695.000	37.71	---	---	56.00	46.00	-8.29
	1198.000	37.95	---	---	56.00	46.00	-8.05
	1582.000	37.88	---	---	56.00	46.00	-8.12
Line 2	172.000	50.91	---	---	65.37	55.37	-4.46
	255.000	44.95	---	---	63.00	53.00	-8.05
	421.000	39.81	---	---	58.26	48.26	-8.45
	767.000	37.86	---	---	56.00	46.00	-8.14
	1028.000	39.08	---	---	56.00	46.00	-6.92
	1333.000	38.67	---	---	56.00	46.00	-7.33

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: IEEE 802.11b Channel 1, Antenna#1

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	185.000	48.90	---	---	65.00	55.00	-6.10
	212.000	46.56	---	---	64.23	54.23	-7.67
	569.000	36.26	---	---	56.00	46.00	-9.74
	703.000	35.81	---	---	56.00	46.00	-10.19
	989.000	36.58	---	---	56.00	46.00	-9.42
	1731.000	36.83	---	---	56.00	46.00	-9.17
Line 2	212.000	46.97	---	---	64.23	54.23	-7.26
	569.000	36.79	---	---	56.00	46.00	-9.21
	1166.000	37.64	---	---	56.00	46.00	-8.36
	1713.000	36.46	---	---	56.00	46.00	-9.54
	2201.000	35.64	---	---	56.00	46.00	-10.36
	3936.000	35.81	---	---	56.00	46.00	-10.19

Test mode: IEEE 802.11b Channel 6, Antenna#1

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	201.000	47.34	---	---	64.54	54.54	-7.20
	598.000	36.67	---	---	56.00	46.00	-9.33
	858.000	36.88	---	---	56.00	46.00	-9.12
	1006.000	37.22	---	---	56.00	46.00	-8.78
	1836.000	36.07	---	---	56.00	46.00	-9.93
	4053.000	35.43	---	---	56.00	46.00	-10.57
Line 2	203.000	47.76	---	---	64.49	54.49	-6.73
	528.000	36.42	---	---	56.00	46.00	-9.58
	731.000	36.79	---	---	56.00	46.00	-9.21
	1006.000	38.25	---	---	56.00	46.00	-7.75
	1801.000	37.04	---	---	56.00	46.00	-8.96
	3741.000	35.74	---	---	56.00	46.00	-10.26

Test mode: IEEE 802.11b Channel 11, Antenna#1

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	203.000	47.37	---	---	64.49	54.49	-7.12
	398.000	41.92	---	---	58.91	48.91	-6.99
	471.000	41.01	---	---	56.83	46.83	-5.82
	767.000	36.62	---	---	56.00	46.00	-9.38
	1123.000	36.99	---	---	56.00	46.00	-9.01
	2051.000	35.64	---	---	56.00	46.00	-10.36
Line 2	201.000	48.16	---	---	64.54	54.54	-6.38
	250.000	48.62	---	---	63.14	53.14	-4.52
	774.000	37.47	---	---	56.00	46.00	-8.53
	1028.000	38.39	---	---	56.00	46.00	-7.61
	2286.000	38.60	---	---	56.00	46.00	-7.40
	3897.000	36.60	---	---	56.00	46.00	-9.40

Test mode: IEEE 802.11g Channel 1, Antenna#1

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	169.000	48.87	---	---	65.46	55.46	-6.59
	240.000	44.86	---	---	63.43	53.43	-8.57
	494.000	37.77	---	---	56.17	46.17	-8.40
	1155.000	38.16	---	---	56.00	46.00	-7.84
	1534.000	37.26	---	---	56.00	46.00	-8.74
	1941.000	37.31	---	---	56.00	46.00	-8.69
Line 2	172.000	51.05	---	---	65.37	55.37	-4.32
	245.000	45.32	---	---	63.29	53.29	-7.97
	616.000	37.45	---	---	56.00	46.00	-8.55
	832.000	38.58	---	---	56.00	46.00	-7.42
	1155.000	39.01	---	---	56.00	46.00	-6.99
	1534.000	38.14	---	---	56.00	46.00	-7.86

Test mode: IEEE 802.11g Channel 6, Antenna#1

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	179.000	48.83	---	---	65.17	55.17	-6.34
	222.000	48.11	---	---	63.94	53.94	-5.83
	338.000	44.66	---	---	60.63	50.63	-5.97
	485.000	42.84	---	---	56.43	46.43	-3.59
	1308.000	41.40	---	---	56.00	46.00	-4.60
	1598.000	42.77	---	---	56.00	46.00	-3.23
Line 2	212.000	46.94	---	---	64.23	54.23	-7.29
	809.000	41.54	---	---	56.00	46.00	-4.46
	1070.000	38.70	---	---	56.00	46.00	-7.30
	1282.000	42.65	---	---	56.00	46.00	-3.35
	1464.000	41.96	---	---	56.00	46.00	-4.04
	1766.000	39.62	---	---	56.00	46.00	-6.38

Test mode: IEEE 802.11g Channel 11, Antenna#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	220.000	45.75	---	---	64.00	54.00	-8.25
	363.000	45.50	---	---	59.91	49.91	-4.41
	494.000	41.26	---	---	56.17	46.17	-4.91
	1144.000	37.36	---	---	56.00	46.00	-8.64
	1836.000	37.84	---	---	56.00	46.00	-8.16
	3094.000	37.15	---	---	56.00	46.00	-8.85
Line 2	197.000	48.73	---	---	64.66	54.66	-5.93
	311.000	41.43	---	---	61.40	51.40	-9.97
	547.000	40.99	---	---	56.00	46.00	-5.01
	1091.000	38.23	---	---	56.00	46.00	-7.77
	1269.000	42.37	---	---	56.00	46.00	-3.63
	1801.000	37.52	---	---	56.00	46.00	-8.48

Test mode: Standby mode, Antenna#2

<i>Power Connected Emissions</i>					<i>Class B</i>		
<i>Conductor</i>	<i>Frequency (KHz)</i>	<i>Peak (dBµV)</i>	<i>QP (dBµV)</i>	<i>Average (dBµV)</i>	<i>QP-limit (dBµV)</i>	<i>AVG-limit (dBµV)</i>	<i>Margin (dB)</i>
Line 1	363.000	42.58	---	---	59.91	49.91	-7.33
	850.000	40.38	---	---	56.00	46.00	-5.62
	1320.000	39.24	---	---	56.00	46.00	-6.76
	1451.000	40.35	---	---	56.00	46.00	-5.65
	1550.000	39.83	---	---	56.00	46.00	-6.17
	1941.000	39.27	---	---	56.00	46.00	-6.73
Line 2	359.000	42.53	---	---	60.03	50.03	-7.50
	850.000	41.10	---	---	56.00	46.00	-4.90
	1113.000	40.35	---	---	56.00	46.00	-5.65
	1219.000	41.61	---	---	56.00	46.00	-4.39
	1451.000	40.47	---	---	56.00	46.00	-5.53
	1566.000	40.33	---	---	56.00	46.00	-5.67

Test mode: IEEE 802.11b Channel 1, Antenna#2

<i>Power Connected Emissions</i>					<i>Class B</i>		
<i>Conductor</i>	<i>Frequency (KHz)</i>	<i>Peak (dBµV)</i>	<i>QP (dBµV)</i>	<i>Average (dBµV)</i>	<i>QP-limit (dBµV)</i>	<i>AVG-limit (dBµV)</i>	<i>Margin (dB)</i>
Line 1	218.000	45.89	---	---	64.06	54.06	-8.17
	334.000	41.89	---	---	60.74	50.74	-8.85
	841.000	40.26	---	---	56.00	46.00	-5.74
	1219.000	40.45	---	---	56.00	46.00	-5.55
	1451.000	40.15	---	---	56.00	46.00	-5.85
	1582.000	40.35	---	---	56.00	46.00	-5.65
Line 2	220.000	45.82	---	---	64.00	54.00	-8.18
	359.000	43.05	---	---	63.03	53.03	-9.98
	832.000	41.36	---	---	56.00	46.00	-4.64
	1081.000	40.26	---	---	56.00	46.00	-5.74
	1230.000	40.96	---	---	56.00	46.00	-5.04
	1424.000	40.63	---	---	56.00	46.00	-5.37

Test mode: IEEE 802.11b Channel 6, Antenna#2

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	220.000	45.04	---	---	64.00	54.00	-8.96
	240.000	43.30	---	---	63.43	53.43	-10.13
	329.000	42.95	---	---	60.89	50.89	-7.94
	832.000	40.31	---	---	56.00	46.00	-5.69
	1091.000	40.45	---	---	56.00	46.00	-5.55
	1464.000	40.22	---	---	56.00	46.00	-5.78
Line 2	604.000	40.75	---	---	56.00	46.00	-5.25
	850.000	41.19	---	---	56.00	46.00	-4.81
	1113.000	40.99	---	---	56.00	46.00	-5.01
	1219.000	41.52	---	---	56.00	46.00	-4.48
	1566.000	40.80	---	---	56.00	46.00	-5.20
	1801.000	40.52	---	---	56.00	46.00	-5.48

Test mode: IEEE 802.11b Channel 11, Antenna#2

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	824.000	40.28	---	---	56.00	46.00	-5.72
	850.000	40.02	---	---	56.00	46.00	-5.98
	1113.000	40.49	---	---	56.00	46.00	-5.51
	1208.000	40.73	---	---	56.00	46.00	-5.27
	1598.000	41.13	---	---	56.00	46.00	-4.87
	1748.000	40.04	---	---	56.00	46.00	-5.96
Line 2	341.000	41.92	---	---	60.54	50.54	-8.62
	850.000	40.96	---	---	56.00	46.00	-5.04
	972.000	40.31	---	---	56.00	46.00	-5.69
	1091.000	40.59	---	---	56.00	46.00	-5.41
	1230.000	41.61	---	---	56.00	46.00	-4.39
	1818.000	40.80	---	---	56.00	46.00	-5.20

Test mode: IEEE 802.11g Channel 1, Antenna#2

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	377.000	42.58	---	---	59.51	49.51	-6.93
	610.000	39.45	---	---	56.00	46.00	-6.55
	867.000	40.40	---	---	56.00	46.00	-5.60
	1243.000	39.57	---	---	56.00	46.00	-6.43
	1629.000	38.93	---	---	56.00	46.00	-7.07
	1854.000	37.77	---	---	56.00	46.00	-8.23
Line 2	164.000	50.82	---	---	65.60	55.60	-4.78
	380.000	43.00	---	---	59.43	49.43	-6.43
	604.000	39.06	---	---	56.00	46.00	-6.94
	867.000	40.66	---	---	56.00	46.00	-5.34
	1256.000	40.94	---	---	56.00	46.00	-5.06
	1818.000	40.24	---	---	56.00	46.00	-5.76

Test mode: IEEE 802.11g Channel 6, Antenna#2

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	214.000	46.30	---	---	64.17	54.17	-7.87
	355.000	42.01	---	---	60.14	50.14	-8.13
	832.000	40.06	---	---	56.00	46.00	-5.94
	1070.000	40.11	---	---	56.00	46.00	-5.89
	1230.000	40.80	---	---	56.00	46.00	-5.20
	1582.000	40.42	---	---	56.00	46.00	-5.58
Line 2	373.000	41.71	---	---	59.63	49.63	-7.92
	592.000	40.89	---	---	56.00	46.00	-5.11
	832.000	40.63	---	---	56.00	46.00	-5.37
	858.000	41.26	---	---	56.00	46.00	-4.74
	1230.000	41.92	---	---	56.00	46.00	-4.08
	1598.000	40.87	---	---	56.00	46.00	-5.13

Test mode: IEEE 802.11g Channel 11, Antenna#2

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	326.000	42.51	---	---	60.97	50.97	-8.46
	850.000	40.33	---	---	56.00	46.00	-5.67
	1144.000	40.31	---	---	56.00	46.00	-5.69
	1187.000	40.54	---	---	56.00	46.00	-5.46
	1230.000	40.06	---	---	56.00	46.00	-5.94
	1582.000	40.63	---	---	56.00	46.00	-5.37
Line 2	216.000	46.58	---	---	64.11	54.11	-7.53
	323.000	41.59	---	---	61.06	51.06	-9.47
	366.000	42.88	---	---	59.83	49.83	-6.95
	841.000	40.99	---	---	56.00	46.00	-5.01
	1176.000	40.82	---	---	56.00	46.00	-5.18
	1451.000	40.61	---	---	56.00	46.00	-5.39

Test mode: Standby mode, Antenna#3

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	380.000	43.45	---	---	59.43	49.43	-5.98
	490.000	37.93	---	---	56.29	46.29	-8.36
	592.000	39.06	---	---	56.00	46.00	-6.94
	867.000	40.04	---	---	56.00	46.00	-5.96
	1243.000	39.81	---	---	56.00	46.00	-6.19
	1629.000	38.74	---	---	56.00	46.00	-7.26
Line 2	164.000	48.83	---	---	65.60	55.60	-6.77
	377.000	42.51	---	---	59.51	49.51	-7.00
	616.000	40.73	---	---	56.00	46.00	-5.27
	867.000	40.59	---	---	56.00	46.00	-5.41
	1243.000	40.82	---	---	56.00	46.00	-5.18
	1629.000	39.55	---	---	56.00	46.00	-6.45

Test mode: IEEE 802.11b Channel 1, Antenna#3

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	152.000	49.85	---	---	65.94	55.94	-6.09
	380.000	42.98	---	---	59.43	49.43	-6.45
	604.000	38.77	---	---	56.00	46.00	-7.23
	867.000	40.40	---	---	56.00	46.00	-5.60
	1219.000	40.35	---	---	56.00	46.00	-5.65
	1534.000	38.23	---	---	56.00	46.00	-7.77
Line 2	164.000	48.46	---	---	65.60	55.60	-7.14
	380.000	43.39	---	---	59.43	49.43	-6.04
	604.000	38.98	---	---	56.00	46.00	-7.02
	867.000	40.70	---	---	56.00	46.00	-5.30
	1243.000	39.95	---	---	56.00	46.00	-6.05
	1464.000	40.13	---	---	56.00	46.00	-5.87

Test mode: IEEE 802.11b Channel 6, Antenna#3

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	158.000	49.52	---	---	65.77	55.77	-6.25
	363.000	41.61	---	---	59.91	49.91	-8.30
	604.000	37.74	---	---	56.00	46.00	-8.26
	867.000	40.20	---	---	56.00	46.00	-5.80
	1243.000	40.33	---	---	56.00	46.00	-5.67
	1598.000	39.85	---	---	56.00	46.00	-6.15
Line 2	155.000	50.03	---	---	65.86	55.86	-5.83
	380.000	43.87	---	---	59.43	49.43	-5.56
	592.000	39.57	---	---	56.00	46.00	-6.43
	867.000	40.87	---	---	56.00	46.00	-5.13
	1243.000	40.02	---	---	56.00	46.00	-5.98
	1836.000	39.64	---	---	56.00	46.00	-6.36

Test mode: IEEE 802.11b Channel 11, Antenna#3

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	377.000	43.33	---	---	59.51	49.51	-6.18
	867.000	40.49	---	---	56.00	46.00	-5.51
	1081.000	39.67	---	---	56.00	46.00	-6.33
	1256.000	39.67	---	---	56.00	46.00	-6.33
	1598.000	40.11	---	---	56.00	46.00	-5.89
	1801.000	39.24	---	---	56.00	46.00	-6.76
Line 2	163.000	50.52	---	---	65.63	55.63	-5.11
	380.000	43.54	---	---	59.43	49.43	-5.89
	867.000	40.45	---	---	56.00	46.00	-5.55
	1081.000	40.45	---	---	56.00	46.00	-5.55
	1243.000	40.73	---	---	56.00	46.00	-5.27
	1801.000	40.54	---	---	56.00	46.00	-5.46

Test mode: IEEE 802.11g Channel 1, Antenna#3

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	377.000	43.23	---	---	59.51	49.51	-6.28
	592.000	38.18	---	---	56.00	46.00	-7.82
	858.000	40.18	---	---	56.00	46.00	-5.82
	1243.000	39.74	---	---	56.00	46.00	-6.26
	1398.000	40.82	---	---	56.00	46.00	-5.18
	1836.000	38.21	---	---	56.00	46.00	-7.79
Line 2	377.000	43.66	---	---	59.51	49.51	-5.85
	490.000	38.28	---	---	56.29	46.29	-8.01
	604.000	38.72	---	---	56.00	46.00	-7.28
	850.000	40.77	---	---	56.00	46.00	-5.23
	1243.000	40.22	---	---	56.00	46.00	-5.78
	1629.000	39.59	---	---	56.00	46.00	-6.41

Test mode: IEEE 802.11g Channel 6, Antenna#3

Power Connected Emissions					Class B		
Conductor	Frequency (KHz)	Peak (dBμV)	QP (dBμV)	Average (dBμV)	QP-limit (dBμV)	AVG-limit (dBμV)	Margin (dB)
Line 1	164.000	48.80	---	---	65.60	55.60	-6.80
	380.000	41.94	---	---	59.43	49.43	-7.49
	604.000	37.71	---	---	56.00	46.00	-8.29
	867.000	39.78	---	---	56.00	46.00	-6.22
	1243.000	40.15	---	---	56.00	46.00	-5.85
	1566.000	39.76	---	---	56.00	46.00	-6.24
Line 2	153.000	49.69	---	---	65.91	55.91	-6.22
	377.000	43.52	---	---	59.51	49.51	-5.99
	604.000	38.56	---	---	56.00	46.00	-7.44
	867.000	40.82	---	---	56.00	46.00	-5.18
	1208.000	40.80	---	---	56.00	46.00	-5.20
	1766.000	39.50	---	---	56.00	46.00	-6.50

Test mode: IEEE 802.11g Channel 11, Antenna#3

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	377.000	43.39	---	---	59.51	49.51	-6.12
	598.000	38.25	---	---	56.00	46.00	-7.75
	841.000	40.09	---	---	56.00	46.00	-5.91
	1243.000	40.02	---	---	56.00	46.00	-5.98
	1629.000	38.81	---	---	56.00	46.00	-7.19
	2372.000	37.52	---	---	56.00	46.00	-8.48
Line 2	163.000	49.36	---	---	65.63	55.63	-6.27
	380.000	42.91	---	---	59.43	49.43	-6.52
	610.000	40.47	---	---	56.00	46.00	-5.53
	867.000	41.13	---	---	56.00	46.00	-4.87
	1243.000	40.15	---	---	56.00	46.00	-5.85
	1818.000	40.13	---	---	56.00	46.00	-5.87

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

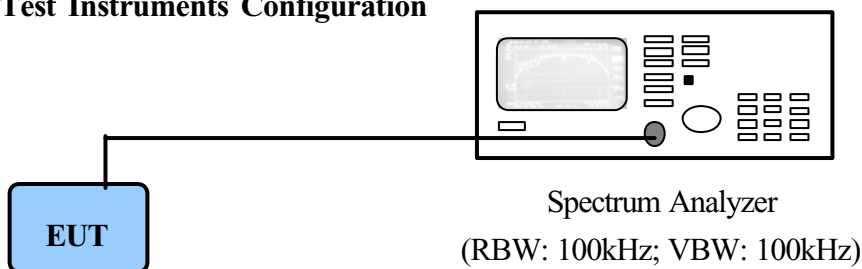
Direct Sequence System is a spread spectrum system in which the carrier has been modulated by a high speed spreading code and an information data stream. The high speed code sequence dominates the “modulating function” and is the direct cause of the wide spreading of the transmitted signal. In the operational 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.

6.2 Test Instruments Configuration



PC to control the EUT at maximal power output and channel number and set antenna kit

6.3 List of Test Instruments

Instrument Name	Model No.	Brand	Serial No.	Next time
Spectrum Analyzer	MS2665C	ANRITSU	6200175476	11/02/05

6.4 Test Result of Bandwidth

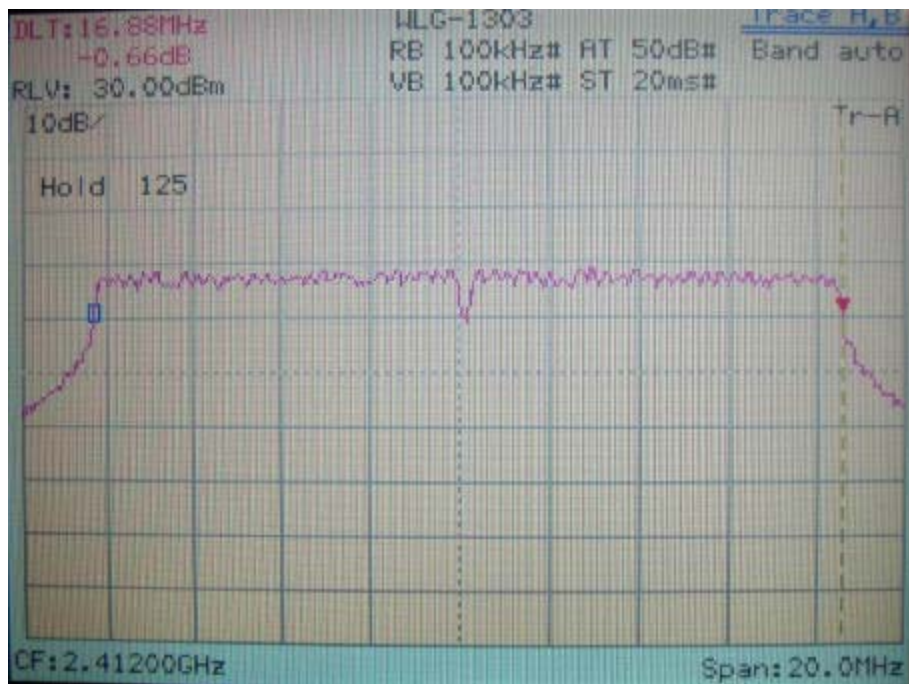
Channel	802.11b	802.11g
01	10.76 MHz	16.88 MHz
06	10.80 MHz	16.84 MHz
11	10.80 MHz	16.84 MHz

- 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.

6dB Bandwidth of Channel 1 (The minimum 6dB BW at least 500kHz)

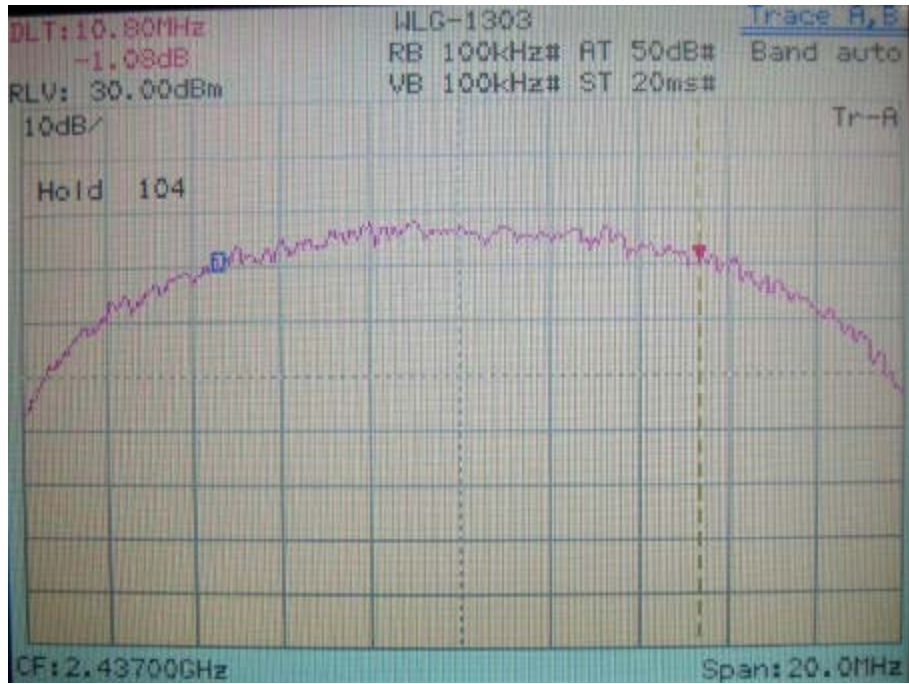


IEEE 802.11b

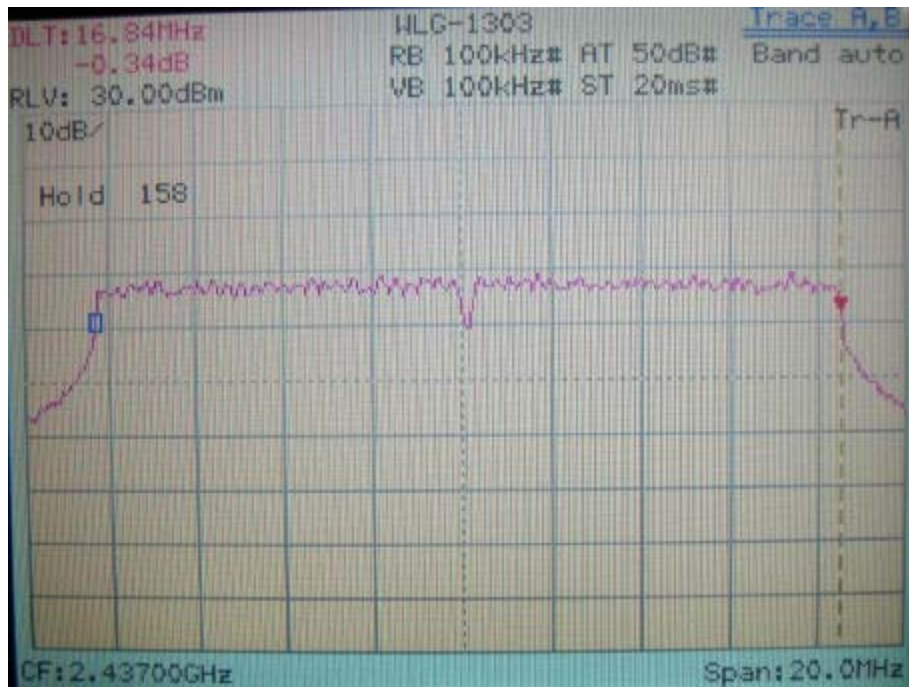


IEEE 802.11g

6dB Bandwidth of Channel 6 (The minimum 6dB BW at least 500kHz)



IEEE 802.11b

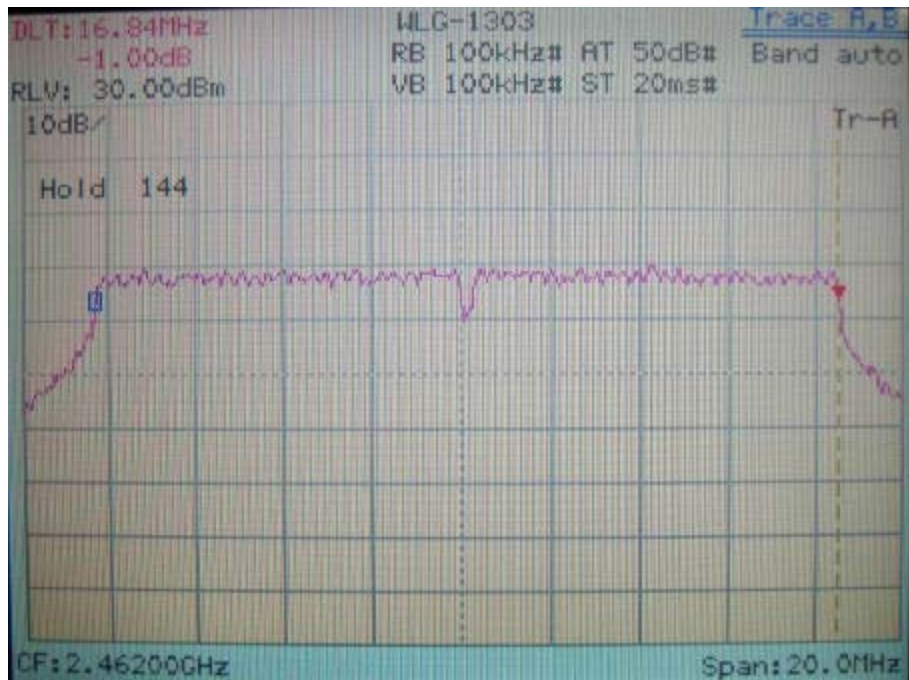


IEEE 802.11g

6dB Bandwidth of Channel 11 (The minimum 6dB BW at least 500kHz)



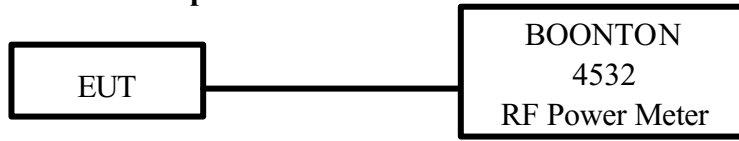
IEEE 802.11b



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	Brand	Serial No.	Next time
RF Power Meter	4532	BOONTON	117501	04/21/06
Peak Power Sensor	57340	BOONTON	2696	04/26/06

6.3 Test Result

Formula:
 $RF \text{ Output of EUT} + |Cable \text{ Loss}| = \text{Output Peak Power}$

Channel	RF Output	Cable Loss	Output Peak Power	
	dBm		dBm	dBm
802.11b CH01	21.06	1.00	22.06	160.69
802.11b CH06	20.69	1.00	21.69	147.57
802.11b CH11	20.24	1.00	21.24	133.05
802.11g CH01	21.58	1.00	22.58	181.13
802.11g CH06	21.63	1.00	22.63	183.23
802.11g CH11	21.39	1.00	22.39	173.38

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, SCHWARZECK whole range Small Biconical Antenna (Model No.: UBAA9114 & BBVU9135) 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/HP Horn Antenna (Model 3115 / 84125-80008) 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 (dB μ V/m) is determined by algebraically adding the measured reading in dB μ V, 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

$$F_{Ia} \text{ (dB}\mu\text{V/m)} = F_{Ir} \text{ (dB}\mu\text{V)} + \text{Correction Factors}$$

F_{Ia} : Actual Field Intensity

F_{Ir} : Reading of the Field Intensity

$$\text{Correction Factors} = \text{Antenna Factor} + (\text{Cable Loss} - \text{Amplitude Gain}) + \text{Switching Box Loss}$$

For frequency between 1GHz to 25GHz

$$F_{Ia} \text{ (dB}\mu\text{V/m)} = F_{Ir} \text{ (dB}\mu\text{V)} + \text{Correction Factor}$$

F_{Ia} : Actual Field Intensity

F_{Ir} : Reading of the Field Intensity

$$\text{Correction Factors} = \text{Antenna Factor} + (\text{Cable Loss} - \text{Amplitude Gain}) + \text{Switching Box Loss}$$

7.2 List of Test Instruments

				Calibration Date
Instrument Name	Model	Brand	Serial No.	Next time
EMI Receiver	8546A	HP	3520A00242	08/05/05
RF Filter Section	85460A	HP	3448A00217	08/05/05
Small Biconical Antenna	UBAA9114 & BBVU9135	SCHWARZECK	127	10/11/05
Pre-amplifier	PA1F	TRC	1FAC	05/20/05
Auto Switch Box (>30MHz)	ASB-01	TRC	9904-01	05/20/05
Coaxial Cable (Double shielded, 15 meter)	A30A30-0058-50FS-15M	JYEBAO	SMA-01	05/20/05
Coaxial Cable (1.1 meter)	A30A30-0058-50FS-1M	JYEBAO	SMA-02	05/20/05
Spectrum Analyzer	8564E	HP	3720A00840	08/13/05
Microwave Preamplifier	84125C	HP	US36433002	08/13/05
Horn Antenna	3115	EMCO	9104-3668	12/27/05
Standard Guide Horn Antenna	84125-80008	HP	18-26.5GHz	10/15/05
Standard Guide Horn Antenna	84125-80001	HP	26.5-40GHz	10/15/05
Horn Antenna	1196E (3115)	HP (EMCO)	9704-5178	01/11/06
Pre-amplifier	PA2F	TRC	2F1GZ	06/20/05
Coaxial Cable (3 miter)	A30A30-0058-50FST118	JYEBAO	MSA-05	06/20/05
Coaxial Cable (1 meter)	A30A30-0058-50FST118	JYEBAO	MSA-04	06/20/05

7.3 Test Result of Spurious Radiated Emissions

The highest peak values of radiated emissions from 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: Standby mode for 30MHz to 1GHz, Antenna#1 [Horizontal]

Radiated Emission				Correction Factors (dB)	Corrected Amplitude (dBµV/m)	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
167.62	38.08	1.00	202	-3.71	34.37	43.50	-9.13
200.36	38.29	1.00	173	-3.81	34.48	43.50	-9.02
233.09	39.57	1.00	76	-4.07	35.50	46.00	-10.50
267.65	40.62	1.00	222	-4.20	36.42	46.00	-9.58
300.39	41.88	1.00	229	-3.70	38.18	46.00	-7.82
325.24	39.69	1.00	107	-3.22	36.47	46.00	-9.53

Test mode: Standby mode for 30MHz to 1GHz, Antenna#1 [Vertical]

Radiated Emission				Correction Factors (dB)	Corrected Amplitude (dBµV/m)	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
49.40	26.22	1.00	223	3.74	29.96	40.00	-10.04
74.26	28.35	1.00	238	0.84	29.19	40.00	-10.81
133.06	31.85	1.00	98	-2.70	29.15	43.50	-14.35
300.39	35.94	1.00	333	-3.70	32.24	46.00	-13.76
390.72	33.21	1.00	196	-1.32	31.89	46.00	-14.11
564.71	27.84	1.00	196	5.50	33.34	46.00	-12.66

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) + Switching Box Loss

Test mode: Standby mode for 1GHz to 25GHz, Antenna#1 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
1325.83	1.00	0	47.27	---	1.11	48.38	---	73.96	53.96	-5.58
4761.25	1.00	202	41.28	---	3.51	44.79	---	73.96	53.96	-9.17
8005.42	1.00	109	36.77	---	10.82	47.59	---	73.96	53.96	-6.37
12963.75	1.00	351	42.27	---	9.00	51.27	---	73.96	53.96	-2.69
22430.62	1.00	215	45.99	---	3.75	49.74	---	73.96	53.96	-4.22

Test mode: Standby mode for 1GHz to 25GHz, Antenna#1 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
1750.83	1.00	57	46.61	---	1.11	47.72	---	73.96	53.96	-6.24
5781.25	1.00	92	39.61	---	6.32	45.93	---	73.96	53.96	-8.03
9910.83	1.00	272	36.77	---	11.73	48.50	---	73.96	53.96	-5.46
13863.33	1.00	304	43.60	---	7.58	51.18	---	73.96	53.96	-2.78
24488.33	1.00	292	48.15	---	2.42	50.57	---	73.96	53.96	-3.39

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: IEEE 802.11b CH01 for 30MHz to 1GHz, Antenna#1 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
167.62	38.34	1.00	186	-3.71	34.63	43.50	-8.87
233.09	38.75	1.00	96	-4.07	34.68	46.00	-11.32
267.65	41.36	1.00	221	-4.20	37.16	46.00	-8.84
300.39	41.58	1.00	229	-3.70	37.88	46.00	-8.12
325.85	40.48	1.00	119	-3.20	37.28	46.00	-8.72
390.72	35.13	1.00	311	-1.32	33.81	46.00	-12.19

Test mode: IEEE 802.11b CH01 for 30MHz to 1GHz, Antenna#1 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
49.40	25.58	1.00	237	3.74	29.32	40.00	-10.68
74.26	28.12	1.00	264	0.84	28.96	40.00	-11.04
299.18	35.21	1.00	339	-3.71	31.50	46.00	-14.50
390.72	33.16	1.00	211	-1.32	31.84	46.00	-14.16
528.34	29.10	1.00	36	4.10	33.20	46.00	-12.80
564.11	27.37	1.00	176	5.48	32.85	46.00	-13.15

Test mode: IEEE 802.11b CH01 for 1GHz to 25GHz, Antenna#1 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2250.00	1.00	169	36.00	---	8.79	44.79	---	73.96	53.96	-9.17
2660.42	1.00	238	34.50	---	9.79	44.29	---	73.96	53.96	-9.67
7233.75	1.00	111	36.28	---	10.07	46.35	---	73.96	53.96	-7.61
9647.94	1.00	180	41.45	37.11	11.46	52.91	48.57	73.96	53.96	-5.39
12061.04	1.00	55	37.77	---	9.81	47.58	---	73.96	53.96	-6.38

Test mode: IEEE 802.11b CH01 for 1GHz to 25GHz, Antenna#1 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2152.08	1.00	220	37.66	---	8.52	46.18	---	73.96	53.96	-7.78
2589.58	1.00	273	34.17	---	9.66	43.83	---	73.96	53.96	-10.13
7233.75	1.00	360	35.78	---	10.07	45.85	---	73.96	53.96	-8.11
9647.92	1.00	109	42.45	39.27	11.46	53.91	50.73	73.96	53.96	-3.23
12061.04	1.00	358	38.10	---	9.81	47.91	---	73.96	53.96	-6.05

Test mode: IEEE 802.11b CH06 for 30MHz to 1GHz, Antenna#1 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
74.26	28.61	1.00	229	0.84	29.45	40.00	-10.55
167.62	38.43	1.00	192	-3.71	34.72	43.50	-8.78
200.96	40.74	1.00	195	-3.82	36.92	43.50	-6.58
267.65	41.83	1.00	229	-4.20	37.63	46.00	-8.37
300.39	41.90	1.00	232	-3.70	38.20	46.00	-7.80
325.85	39.90	1.00	136	-3.20	36.70	46.00	-9.30

Test mode: IEEE 802.11b CH06 for 30MHz to 1GHz, Antenna#1 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
74.26	28.91	1.00	232	0.84	29.75	40.00	-10.25
133.67	32.79	1.00	261	-2.72	30.07	43.50	-13.43
260.98	34.40	1.00	279	-4.22	30.18	46.00	-15.82
300.39	37.58	1.00	337	-3.70	33.88	46.00	-12.12
390.72	37.76	1.00	180	-1.32	36.44	46.00	-9.56
565.32	28.87	1.00	46	5.52	34.39	46.00	-11.61

Test mode: IEEE 802.11b CH06 for 1GHz to 25GHz, Antenna#1 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2108.33	1.00	138	35.00	---	8.39	43.39	---	73.96	53.96	-10.57
2743.75	1.00	304	34.66	---	9.95	44.61	---	73.96	53.96	-9.35
7312.29	1.00	140	35.77	---	10.30	46.07	---	73.96	53.96	-7.89
9747.08	1.00	197	38.94	---	11.89	50.83	---	73.96	53.96	-3.13
12187.92	1.00	214	39.77	---	9.74	49.51	---	73.96	53.96	-4.45

Test mode: IEEE 802.11b CH06 for 1GHz to 25GHz, Antenna#1 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2241.67	1.00	351	34.16	---	8.77	42.93	---	73.96	53.96	-11.03
2875.00	1.00	236	35.16	---	10.20	45.36	---	73.96	53.96	-8.60
9753.12	1.00	89	39.61	---	11.90	51.51	---	73.96	53.96	-2.45
12187.92	1.00	54	40.94	---	9.74	50.68	---	73.96	53.96	-3.28
21934.79	1.00	92	47.66	---	3.09	50.75	---	73.96	53.96	-3.21

Test mode: IEEE 802.11b CH11 for 30MHz to 1GHz, Antenna#1 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	28.35	1.00	226	0.84	29.19	40.00	-10.81
167.62	38.71	1.00	183	-3.71	35.00	43.50	-8.50
200.96	36.14	1.00	183	-3.82	32.32	43.50	-11.18
267.65	41.27	1.00	209	-4.20	37.07	46.00	-8.93
300.39	41.38	1.00	229	-3.70	37.68	46.00	-8.32
325.24	40.48	1.00	90	-3.22	37.26	46.00	-8.74

Test mode: IEEE 802.11b CH11 for 30MHz to 1GHz, Antenna#1 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	24.69	1.00	142	3.74	28.43	40.00	-11.57
74.26	28.68	1.00	261	0.84	29.52	40.00	-10.48
299.18	36.72	1.00	331	-3.71	33.01	46.00	-12.99
325.24	35.97	1.00	360	-3.22	32.75	46.00	-13.25
390.72	35.77	1.00	177	-1.32	34.45	46.00	-11.55
565.92	28.10	1.00	73	5.54	33.64	46.00	-12.36

Test mode: IEEE 802.11b CH11 for 1GHz to 25GHz, Antenna#1 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2222.92	1.00	358	34.67	---	8.71	43.38	---	73.96	53.96	-10.58
2725.00	1.00	151	34.17	---	9.91	44.08	---	73.96	53.96	-9.88
7384.79	1.00	5	35.28	---	10.42	45.70	---	73.96	53.96	-8.26
9849.79	1.00	293	36.61	---	11.93	48.54	---	73.96	53.96	-5.42
12308.75	1.00	34	38.77	---	9.56	48.33	---	73.96	53.96	-5.63

Test mode: IEEE 802.11b CH11 for 1GHz to 25GHz, Antenna#1 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2162.50	1.00	112	35.33	---	8.55	43.88	---	73.96	53.96	-10.08
2725.00	1.00	47	32.84	---	9.91	42.75	---	73.96	53.96	-11.21
7384.79	1.00	161	35.78	---	10.42	46.20	---	73.96	53.96	-7.76
9849.79	1.00	21	37.11	---	11.93	49.04	---	73.96	53.96	-4.92
12308.75	1.00	53	38.77	---	9.56	48.33	---	73.96	53.96	-5.63

Test mode: IEEE 802.11g CH01 for 30MHz to 1GHz, Antenna#1 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
74.26	29.04	1.00	212	0.84	29.88	40.00	-10.12
167.62	38.97	1.00	195	-3.71	35.26	43.50	-8.24
199.14	38.11	1.00	183	-3.80	34.31	43.50	-9.19
268.26	41.64	1.00	224	-4.20	37.44	46.00	-8.56
300.39	41.51	1.00	229	-3.70	37.81	46.00	-8.19
325.24	40.92	1.00	128	-3.22	37.70	46.00	-8.30

Test mode: IEEE 802.11g CH01 for 30MHz to 1GHz, Antenna#1 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
74.26	28.75	1.00	253	0.84	29.59	40.00	-10.41
133.67	34.29	1.00	258	-2.72	31.57	43.50	-11.93
260.98	36.78	1.00	197	-4.22	32.56	46.00	-13.44
300.39	37.16	1.00	319	-3.70	33.46	46.00	-12.54
390.72	36.28	1.00	168	-1.32	34.96	46.00	-11.04
563.50	28.89	1.00	70	5.46	34.35	46.00	-11.65

Test mode: IEEE 802.11g CH01 for 1GHz to 25GHz, Antenna#1 [Horizontal]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBμV		dB/m	dBμV/m		dBμV/m		dB
2212.50	1.00	220	35.17	---	8.68	43.85	---	73.96	53.96	-10.11
2666.67	1.00	237	33.84	---	9.80	43.64	---	73.96	53.96	-10.32
7233.75	1.00	191	35.11	---	10.07	45.18	---	73.96	53.96	-8.78
9650.42	1.00	228	35.44	---	11.47	46.91	---	73.96	53.96	-7.05
12061.04	1.00	209	38.77	---	9.81	48.58	---	73.96	53.96	-5.38

Test mode: IEEE 802.11g CH01 for 1GHz to 25GHz, Antenna#1 [Vertical]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBμV		dB/m	dBμV/m		dBμV/m		dB
2152.08	1.00	169	36.83	---	8.52	45.35	---	73.96	53.96	-8.61
2777.08	1.00	177	34.33	---	10.01	44.34	---	73.96	53.96	-9.62
9650.42	1.00	35	36.44	---	11.47	47.91	---	73.96	53.96	-6.05
12061.04	1.00	248	37.27	---	9.81	47.08	---	73.96	53.96	-6.88
17075.97	1.00	79	39.77	25.61	14.43	54.20	40.04	73.96	53.96	-13.92

Test mode: IEEE 802.11g CH06 for 30MHz to 1GHz, Antenna#1 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
167.01	39.04	1.00	192	-3.69	35.35	43.50	-8.15
191.26	37.20	1.00	192	-3.68	33.52	43.50	-9.98
224.00	40.96	1.00	197	-4.02	36.94	46.00	-9.06
267.65	41.06	1.00	209	-4.20	36.86	46.00	-9.14
299.78	41.75	1.00	224	-3.71	38.04	46.00	-7.96
325.24	39.93	1.00	142	-3.22	36.71	46.00	-9.29

Test mode: IEEE 802.11g CH06 for 30MHz to 1GHz, Antenna#1 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	24.08	1.00	264	3.74	27.82	40.00	-12.18
74.26	28.82	1.00	264	0.84	29.66	40.00	-10.34
133.67	32.93	1.00	247	-2.72	30.21	43.50	-13.29
300.39	37.14	1.00	328	-3.70	33.44	46.00	-12.56
391.32	36.80	1.00	195	-1.30	35.50	46.00	-10.50
567.14	28.18	1.00	64	5.58	33.76	46.00	-12.24

Test mode: IEEE 802.11g CH06 for 1GHz to 25GHz, Antenna#1 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2197.92	1.00	242	35.50	---	8.64	44.14	---	73.96	53.96	-9.82
2639.58	1.00	154	32.00	---	9.75	41.75	---	73.96	53.96	-12.21
7312.29	1.00	280	35.61	---	10.30	45.91	---	73.96	53.96	-8.05
9747.08	1.00	326	35.77	---	11.89	47.66	---	73.96	53.96	-6.30
12187.92	1.00	325	40.44	---	9.74	50.18	---	73.96	53.96	-3.78

Test mode: IEEE 802.11g CH06 for 1GHz to 25GHz, Antenna#1 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2150.00	1.00	56	34.67	---	8.51	43.18	---	73.96	53.96	-10.78
2639.58	1.00	55	33.17	---	9.75	42.92	---	73.96	53.96	-11.04
7312.29	1.00	99	35.27	---	10.30	45.57	---	73.96	53.96	-8.39
9747.08	1.00	31	35.77	---	11.89	47.66	---	73.96	53.96	-6.30
12187.92	1.00	331	40.10	---	9.74	49.84	---	73.96	53.96	-4.12

Test mode: IEEE 802.11g CH11 for 30MHz to 1GHz, Antenna#1 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	28.52	1.00	247	0.84	29.36	40.00	-10.64
167.62	38.53	1.00	183	-3.71	34.82	43.50	-8.68
234.31	38.85	1.00	78	-4.06	34.79	46.00	-11.21
267.65	41.11	1.00	226	-4.20	36.91	46.00	-9.09
300.39	42.07	1.00	226	-3.70	38.37	46.00	-7.63
325.24	39.86	1.00	134	-3.22	36.64	46.00	-9.36

Test mode: IEEE 802.11g CH11 for 30MHz to 1GHz, Antenna#1 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	24.15	1.00	221	3.74	27.89	40.00	-12.11
74.26	29.16	1.00	255	0.84	30.00	40.00	-10.00
133.67	33.47	1.00	250	-2.72	30.75	43.50	-12.75
300.39	36.83	1.00	334	-3.70	33.13	46.00	-12.87
391.32	37.74	1.00	174	-1.30	36.44	46.00	-9.56
567.74	27.58	1.00	64	5.60	33.18	46.00	-12.82

Test mode: IEEE 802.11g CH11 for 1GHz to 25GHz, Antenna#1 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2222.92	1.00	153	34.17	---	8.71	42.88	---	73.96	53.96	-11.08
2841.67	1.00	159	32.84	---	10.13	42.97	---	73.96	53.96	-10.99
7384.79	1.00	218	35.94	---	10.42	46.36	---	73.96	53.96	-7.60
9849.79	1.00	289	35.11	---	11.93	47.04	---	73.96	53.96	-6.92
12308.75	1.00	178	37.94	---	9.56	47.50	---	73.96	53.96	-6.46

Test mode: IEEE 802.11g CH11 for 1GHz to 25GHz, Antenna#1 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2112.50	1.00	194	35.00	---	8.41	43.41	---	73.96	53.96	-10.55
2841.67	1.00	91	36.00	---	10.13	46.13	---	73.96	53.96	-7.83
9849.79	1.00	235	36.11	---	11.93	48.04	---	73.96	53.96	-5.92
12308.75	1.00	176	38.44	---	9.56	48.00	---	73.96	53.96	-5.96
24619.37	1.00	68	46.12	---	3.01	49.13	---	73.96	53.96	-4.83

Test mode: Standby mode for 30MHz to 1GHz, Antenna#2 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	29.74	1.00	192	0.84	30.58	40.00	-9.42
167.62	37.31	1.00	183	-3.71	33.60	43.50	-9.90
233.09	41.87	1.00	229	-4.07	37.80	46.00	-8.20
267.65	43.03	1.00	215	-4.20	38.83	46.00	-7.17
300.39	42.25	1.00	224	-3.70	38.55	46.00	-7.45

Test mode: Standby mode for 30MHz to 1GHz, Antenna#2 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	25.67	1.00	325	3.74	29.41	40.00	-10.59
74.26	27.76	1.00	293	0.84	28.60	40.00	-11.40
167.62	33.82	1.00	316	-3.71	30.11	43.50	-13.39
571.99	27.40	1.00	255	5.74	33.14	46.00	-12.86
633.83	25.19	1.00	154	7.88	33.07	46.00	-12.93

Test mode: Standby mode for 1GHz to 25GHz, Antenna#2 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
1651.67	1.00	311	46.77	---	1.11	47.88	---	73.96	53.96	-6.08
4846.25	1.00	326	41.44	---	3.85	45.29	---	73.96	53.96	-8.67
9053.75	1.00	33	36.11	---	11.78	47.89	---	73.96	53.96	-6.07
13962.50	1.00	156	43.10	---	7.55	50.65	---	73.96	53.96	-3.31
26188.33	1.00	162	50.83	---	1.76	52.59	---	73.96	53.96	-1.37

Test mode: Standby mode for 1GHz to 25GHz, Antenna#2 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
11086.67	1.00	0	39.28	---	10.90	50.18	---	73.96	53.96	-3.78
13976.67	1.00	0	43.11	---	7.54	50.65	---	73.96	53.96	-3.31
21987.92	1.00	5	48.16	---	2.86	51.02	---	73.96	53.96	-2.94
23726.87	1.00	122	49.49	---	3.31	52.80	---	73.96	53.96	-1.16
26202.50	1.00	204	50.83	---	1.59	52.42	---	73.96	53.96	-1.54

Test mode: IEEE 802.11b CH01 for 30MHz to 1GHz, Antenna#2 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	29.76	1.00	209	0.84	30.60	40.00	-9.40
200.96	42.00	1.00	209	-3.82	38.18	43.50	-5.32
233.09	42.37	1.00	238	-4.07	38.30	46.00	-7.70
268.26	41.70	1.00	224	-4.20	37.50	46.00	-8.50
300.39	41.98	1.00	232	-3.70	38.28	46.00	-7.72

Test mode: IEEE 802.11b CH01 for 30MHz to 1GHz, Antenna#2 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	25.06	1.00	165	3.74	28.80	40.00	-11.20
74.26	27.76	1.00	264	0.84	28.60	40.00	-11.40
166.41	34.01	1.00	325	-3.68	30.33	43.50	-13.17
528.34	29.11	1.00	32	4.10	33.21	46.00	-12.79
565.92	27.70	1.00	322	5.54	33.24	46.00	-12.76

Test mode: IEEE 802.11b CH01 for 1GHz to 25GHz, Antenna#2 [Horizontal]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBµV		dB/m	dBµV/m		dBµV/m		dB
2652.08	1.00	121	35.83	---	9.78	45.61	---	73.96	53.96	-8.35
7233.75	1.00	23	35.94	---	10.07	46.01	---	73.96	53.96	-7.95
9650.42	1.00	199	40.44	---	11.47	51.91	---	73.96	53.96	-2.05
12058.15	1.00	71	43.12	34.11	9.82	52.94	43.93	73.96	53.96	-10.03
21708.12	1.00	103	47.11	---	2.87	49.98	---	73.96	53.96	-3.98

Test mode: IEEE 802.11b CH01 for 1GHz to 25GHz, Antenna#2 [Vertical]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBµV		dB/m	dBµV/m		dBµV/m		dB
2118.75	1.00	107	35.17	---	8.42	43.59	---	73.96	53.96	-10.37
2689.58	1.00	193	34.50	---	9.85	44.35	---	73.96	53.96	-9.61
7233.75	1.00	226	36.28	---	10.07	46.35	---	73.96	53.96	-7.61
9647.93	1.00	106	42.45	39.44	11.46	53.91	50.90	73.96	53.96	-3.06
12055.00	1.00	337	41.94	---	9.83	51.77	---	73.96	53.96	-2.19

Test mode: IEEE 802.11b CH06 for 30MHz to 1GHz, Antenna#2 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	29.63	1.00	221	0.84	30.47	40.00	-9.53
167.62	37.69	1.00	189	-3.71	33.98	43.50	-9.52
233.09	42.37	1.00	235	-4.07	38.30	46.00	-7.70
267.65	41.81	1.00	209	-4.20	37.61	46.00	-8.39
300.39	42.86	1.00	247	-3.70	39.16	46.00	-6.84

Test mode: IEEE 802.11b CH06 for 30MHz to 1GHz, Antenna#2 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	25.37	1.00	67	3.74	29.11	40.00	-10.89
74.26	28.67	1.00	250	0.84	29.51	40.00	-10.49
167.62	34.03	1.00	331	-3.71	30.32	43.50	-13.18
200.36	34.82	1.00	183	-3.81	31.01	43.50	-12.49
563.50	28.18	1.00	67	5.46	33.64	46.00	-12.36

Test mode: IEEE 802.11b CH06 for 1GHz to 25GHz, Antenna#2 [Horizontal]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBµV		dB/m	dBµV/m		dBµV/m		dB
2685.42	1.00	40	34.67	---	9.84	44.51	---	73.96	53.96	-9.45
7312.29	1.00	258	36.11	---	10.30	46.41	---	73.96	53.96	-7.55
9747.97	1.00	193	40.77	37.27	11.89	52.66	49.16	73.96	53.96	-4.80
12187.92	1.00	0	39.44	---	9.74	49.18	---	73.96	53.96	-4.78
21934.79	1.00	88	47.74	---	3.09	50.83	---	73.96	53.96	-3.13

Test mode: IEEE 802.11b CH06 for 1GHz to 25GHz, Antenna#2 [Vertical]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBµV		dB/m	dBµV/m		dBµV/m		dB
2152.08	1.00	114	36.00	---	8.52	44.52	---	73.96	53.96	-9.44
2720.83	1.00	360	34.50	---	9.91	44.41	---	73.96	53.96	-9.55
7312.29	1.00	155	35.11	---	10.30	45.41	---	73.96	53.96	-8.55
9747.95	1.00	109	42.95	38.94	11.89	54.84	50.83	73.96	53.96	-3.13
12187.92	1.00	0	39.94	---	9.74	49.68	---	73.96	53.96	-4.28

Test mode: IEEE 802.11b CH11 for 30MHz to 1GHz, Antenna#2 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
167.62	38.00	1.00	189	-3.71	34.29	43.50	-9.21
200.36	38.74	1.00	174	-3.81	34.93	43.50	-8.57
234.31	41.68	1.00	226	-4.06	37.62	46.00	-8.38
267.65	41.84	1.00	226	-4.20	37.64	46.00	-8.36
300.39	42.18	1.00	226	-3.70	38.48	46.00	-7.52

Test mode: IEEE 802.11b CH11 for 30MHz to 1GHz, Antenna#2 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
49.40	25.67	1.00	58	3.74	29.41	40.00	-10.59
74.26	28.65	1.00	273	0.84	29.49	40.00	-10.51
13367	32.57	1.00	139	-2.72	29.85	43.50	-13.65
528.34	28.36	1.00	26	4.10	32.46	46.00	-13.54
570.77	27.86	1.00	328	5.70	33.56	46.00	-12.44

Test mode: IEEE 802.11b CH11 for 1GHz to 25GHz, Antenna#2 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2185.42	1.00	223	34.33	---	8.61	42.94	---	73.96	53.96	-11.02
4925.83	1.00	306	39.61	---	4.13	43.74	---	73.96	53.96	-10.22
7384.79	1.00	176	36.11	---	10.42	46.53	---	73.96	53.96	-7.43
9849.79	1.00	178	38.61	---	11.93	50.54	---	73.96	53.96	-3.42
12308.75	1.00	356	38.11	---	9.56	47.67	---	73.96	53.96	-6.29

Test mode: IEEE 802.11b CH11 for 1GHz to 25GHz, Antenna#2 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2714.58	1.00	194	35.67	---	9.89	45.56	---	73.96	53.96	-8.40
4925.83	1.00	27	39.44	---	4.13	43.57	---	73.96	53.96	-10.39
7384.79	1.00	7	36.11	---	10.42	46.53	---	73.96	53.96	-7.43
9849.79	1.00	21	37.78	---	11.93	49.71	---	73.96	53.96	-4.25
12308.75	1.00	332	37.44	---	9.56	47.00	---	73.96	53.96	-6.96

Test mode: IEEE 802.11g CH01 for 30MHz to 1GHz, Antenna#2 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	30.80	1.00	209	0.84	31.64	40.00	-8.36
199.75	38.89	1.00	197	-3.81	35.08	43.50	-8.42
233.09	41.98	1.00	235	-4.07	37.91	46.00	-8.09
266.44	42.11	1.00	229	-4.20	37.91	46.00	-8.09
300.39	41.98	1.00	226	-3.70	38.28	46.00	-7.72

Test mode: IEEE 802.11g CH01 for 30MHz to 1GHz, Antenna#2 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	24.98	1.00	157	3.74	28.72	40.00	-11.28
74.26	29.12	1.00	270	0.84	29.96	40.00	-10.04
133.06	33.01	1.00	238	-2.70	30.31	43.50	-13.19
166.41	33.66	1.00	316	-3.68	29.98	43.50	-13.52
571.99	28.57	1.00	293	5.74	34.31	46.00	-11.69

Test mode: IEEE 802.11g CH01 for 1GHz to 25GHz, Antenna#2 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2131.25	1.00	215	35.83	---	8.46	44.29	---	73.96	53.96	-9.67
2720.83	1.00	82	34.66	---	9.91	44.57	---	73.96	53.96	-9.39
9650.42	1.00	182	36.11	---	11.47	47.58	---	73.96	53.96	-6.38
12061.04	1.00	244	37.94	---	9.81	47.75	---	73.96	53.96	-6.21
21708.12	1.00	90	46.89	---	2.87	49.76	---	73.96	53.96	-4.20

Test mode: IEEE 802.11g CH01 for 1GHz to 25GHz, Antenna#2 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2735.42	1.00	67	34.50	---	9.93	44.43	---	73.96	53.96	-9.53
7233.75	1.00	243	35.28	---	10.07	45.35	---	73.96	53.96	-8.61
9650.42	1.00	360	36.77	---	11.47	48.24	---	73.96	53.96	-5.72
12061.04	1.00	52	38.27	---	9.81	48.08	---	73.96	53.96	-5.88
21708.12	1.00	83	46.56	---	2.87	49.43	---	73.96	53.96	-4.53

Test mode: IEEE 802.11g CH06 for 30MHz to 1GHz, Antenna#2 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
74.26	30.07	1.00	215	0.84	30.91	40.00	-9.09
167.62	38.03	1.00	195	-3.71	34.32	43.50	-9.18
233.09	41.78	1.00	235	-4.07	37.71	46.00	-8.29
267.65	42.18	1.00	232	-4.20	37.98	46.00	-8.02
298.57	42.04	1.00	232	-3.72	38.32	46.00	-7.68

Test mode: IEEE 802.11g CH06 for 30MHz to 1GHz, Antenna#2 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBµV)	Ant. H. (m)	Table (°)			Limit (dBµV/m)	Margin (dB)
49.40	25.46	1.00	171	3.74	29.20	40.00	-10.80
74.26	28.53	1.00	261	0.84	29.37	40.00	-10.63
133.67	33.41	1.00	258	-2.72	30.69	43.50	-12.81
167.62	33.66	1.00	322	-3.71	29.95	43.50	-13.55
571.38	27.93	1.00	90	5.72	33.65	46.00	-12.35

Test mode: IEEE 802.11g CH06 for 1GHz to 25GHz, Antenna#2 [Horizontal]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBμV		dB/m	dBμV/m		dBμV/m		dB
2139.58	1.00	190	35.67	---	8.48	44.15	---	73.96	53.96	-9.81
2739.58	1.00	97	34.17	---	9.94	44.11	---	73.96	53.96	-9.85
7312.29	1.00	91	35.77	---	10.30	46.07	---	73.96	53.96	-7.89
9747.08	1.00	125	36.27	---	11.89	48.16	---	73.96	53.96	-5.80
12187.92	1.00	269	39.44	---	9.74	49.18	---	73.96	53.96	-4.78

Test mode: IEEE 802.11g CH06 for 1GHz to 25GHz, Antenna#2 [Vertical]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBμV		dB/m	dBμV/m		dBμV/m		dB
2150.00	1.00	235	35.33	---	8.51	43.84	---	73.96	53.96	-10.12
7312.29	1.00	163	36.11	---	10.30	46.41	---	73.96	53.96	-7.55
9747.08	1.00	183	35.44	---	11.89	47.33	---	73.96	53.96	-6.63
12187.92	1.00	125	39.60	---	9.74	49.34	---	73.96	53.96	-4.62
21934.79	1.00	71	47.41	---	3.09	50.50	---	73.96	53.96	-3.46

Test mode: IEEE 802.11g CH11 for 30MHz to 1GHz, Antenna#2 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	29.50	1.00	212	0.84	30.34	40.00	-9.66
167.62	38.10	1.00	200	-3.71	34.39	43.50	-9.11
233.09	41.78	1.00	226	-4.07	37.71	46.00	-8.29
267.65	41.99	1.00	209	-4.20	37.79	46.00	-8.21
300.39	41.77	1.00	226	-3.70	38.07	46.00	-7.93

Test mode: IEEE 802.11g CH11 for 30MHz to 1GHz, Antenna#2 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	25.67	1.00	183	3.74	29.41	40.00	-10.59
74.26	28.29	1.00	250	0.84	29.13	40.00	-10.87
134.27	32.81	1.00	232	-2.73	30.08	43.50	-13.42
167.62	33.73	1.00	325	-3.71	30.02	43.50	-13.48
571.38	28.51	1.00	52	5.72	34.23	46.00	-11.77

Test mode: IEEE 802.11g CH11 for 1GHz to 25GHz, Antenna#2 [Horizontal]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBµV		dB/m	dBµV/m		dBµV/m		dB
2075.00	1.00	201	35.17	---	8.30	43.47	---	73.96	53.96	-10.49
2722.92	1.00	71	34.50	---	9.91	44.41	---	73.96	53.96	-9.55
7384.79	1.00	277	35.61	---	10.42	46.03	---	73.96	53.96	-7.93
9849.79	1.00	270	36.61	---	11.93	48.54	---	73.96	53.96	-5.42
12308.75	1.00	141	38.94	---	9.56	48.50	---	73.96	53.96	-5.46

Test mode: IEEE 802.11g CH11 for 1GHz to 25GHz, Antenna#2 [Vertical]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBµV		dB/m	dBµV/m		dBµV/m		dB
2150.00	1.00	354	36.83	---	8.51	45.34	---	73.96	53.96	-8.62
2793.75	1.00	222	34.34	---	10.04	44.38	---	73.96	53.96	-9.58
9849.79	1.00	287	35.61	---	11.93	47.54	---	73.96	53.96	-6.42
12308.75	1.00	217	38.27	---	9.56	47.83	---	73.96	53.96	-6.13
24619.37	1.00	82	46.29	---	3.01	49.30	---	73.96	53.96	-4.66

Test mode: Standby mode for 30MHz to 1GHz, Antenna#3 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	28.09	1.00	221	0.84	28.93	40.00	-11.07
167.62	35.66	1.00	186	-3.71	31.95	43.50	-11.55
268.26	40.62	1.00	183	-4.20	36.42	46.00	-9.58
298.57	42.98	1.00	226	-3.72	39.26	46.00	-6.74
325.24	37.49	1.00	87	-3.22	34.27	46.00	-11.73

Test mode: Standby mode for 30MHz to 1GHz, Antenna#3 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
123.97	32.25	1.00	134	-2.34	29.91	43.50	-13.59
390.72	32.37	1.00	202	-1.32	31.05	46.00	-14.95
528.34	29.39	1.00	45	4.10	33.49	46.00	-12.51
566.53	28.62	1.00	51	5.56	34.18	46.00	-11.82
633.22	25.15	1.00	173	7.86	33.01	46.00	-12.99

Test mode: Standby mode for 1GHz to 25GHz, Antenna#3 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
1595.00	1.00	321	48.94	---	1.11	50.05	---	73.96	53.96	-3.91
2735.42	1.00	30	43.77	---	1.11	44.88	---	73.96	53.96	-9.08
4853.33	1.00	0	41.10	---	3.88	44.98	---	73.96	53.96	-8.98
13934.17	1.00	169	43.44	---	7.56	51.00	---	73.96	53.96	-2.96
24261.67	1.00	57	47.99	---	2.92	50.91	---	73.96	53.96	-3.05

Test mode: Standby mode for 1GHz to 25GHz, Antenna#3 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
1665.83	1.00	211	46.94	---	1.11	48.05	---	73.96	53.96	-5.91
3443.75	1.00	225	43.28	---	0.55	43.83	---	73.96	53.96	-10.13
5901.67	1.00	48	38.94	---	6.56	45.50	---	73.96	53.96	-8.46
10505.83	1.00	295	39.27	---	10.72	49.99	---	73.96	53.96	-3.97
20068.33	1.00	199	47.16	---	2.11	49.27	---	73.96	53.96	-4.69

Test mode: IEEE 802.11b CH01 for 30MHz to 1GHz, Antenna#3 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	29.04	1.00	228	0.84	29.88	40.00	-10.12
167.62	36.36	1.00	179	-3.71	32.65	43.50	-10.85
267.65	40.28	1.00	207	-4.20	36.08	46.00	-9.92
300.39	43.99	1.00	225	-3.70	40.29	46.00	-5.71
325.85	40.07	1.00	127	-3.20	36.87	46.00	-9.13

Test mode: IEEE 802.11b CH01 for 30MHz to 1GHz, Antenna#3 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
123.36	31.94	1.00	123	-2.31	29.63	43.50	-13.87
232.49	34.17	1.00	60	-4.07	30.10	46.00	-15.90
298.57	33.48	1.00	300	-3.72	29.76	46.00	-16.24
528.34	30.43	1.00	33	4.10	34.53	46.00	-11.47
565.92	28.80	1.00	51	5.54	34.34	46.00	-11.66

Test mode: IEEE 802.11b CH01 for 1GHz to 25GHz, Antenna#3 [Horizontal]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBμV		dB/m	dBμV/m		dBμV/m		dB
2116.67	1.00	0	34.83	---	8.42	43.25	---	73.96	53.96	-10.71
2727.08	1.00	1	34.33	---	9.92	44.25	---	73.96	53.96	-9.71
7233.75	1.00	18	36.61	---	10.07	46.68	---	73.96	53.96	-7.28
9650.42	1.00	209	40.61	---	11.47	52.08	---	73.96	53.96	-1.88
12061.04	1.00	287	37.60	---	9.81	47.41	---	73.96	53.96	-6.55

Test mode: IEEE 802.11b CH01 for 1GHz to 25GHz, Antenna#3 [Vertical]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBμV		dB/m	dBμV/m		dBμV/m		dB
2150.00	1.00	337	35.67	---	8.51	44.18	---	73.96	53.96	-9.78
2608.33	1.00	360	34.34	---	9.69	44.03	---	73.96	53.96	-9.93
9647.95	1.00	120	42.45	39.11	11.46	53.91	50.57	73.96	53.96	-3.39
12061.04	1.00	314	37.27	---	9.81	47.08	---	73.96	53.96	-6.88
21708.12	1.00	82	46.89	---	2.87	49.76	---	73.96	53.96	-4.20

Test mode: IEEE 802.11b CH06 for 30MHz to 1GHz, Antenna#3 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
166.41	35.39	1.00	184	-3.68	31.71	43.50	-11.79
200.96	36.00	1.00	161	-3.82	32.18	43.50	-11.32
267.65	40.71	1.00	199	-4.20	36.51	46.00	-9.49
299.78	43.96	1.00	224	-3.71	40.25	46.00	-5.75
325.85	37.33	1.00	116	-3.20	34.13	46.00	-11.87

Test mode: IEEE 802.11b CH06 for 30MHz to 1GHz, Antenna#3 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	25.49	1.00	232	3.74	29.23	40.00	-10.77
123.36	32.13	1.00	104	-2.31	29.82	43.50	-13.68
390.72	31.83	1.00	184	-1.32	30.51	46.00	-15.49
528.34	29.83	1.00	60	4.10	33.93	46.00	-12.07
721.12	23.63	1.00	219	9.93	33.56	46.00	-12.44

Test mode: IEEE 802.11b CH06 for 1GHz to 25GHz, Antenna#3 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2237.50	1.00	175	35.50	---	8.75	44.25	---	73.96	53.96	-9.71
2783.33	1.00	279	34.00	---	10.02	44.02	---	73.96	53.96	-9.94
7312.29	1.00	99	35.77	---	10.30	46.07	---	73.96	53.96	-7.89
9753.12	1.00	281	39.94	---	11.90	51.84	---	73.96	53.96	-2.12
12181.87	1.00	283	39.94	---	9.72	49.66	---	73.96	53.96	-4.30

Test mode: IEEE 802.11b CH06 for 1GHz to 25GHz, Antenna#3 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2152.08	1.00	184	36.50	---	8.52	45.02	---	73.96	53.96	-8.94
4871.46	1.00	84	40.94	---	3.95	44.89	---	73.96	53.96	-9.07
7312.29	1.00	303	35.77	---	10.30	46.07	---	73.96	53.96	-7.89
9753.12	1.00	150	39.94	---	11.90	51.84	---	73.96	53.96	-2.12
12181.87	1.00	300	38.77	---	9.72	48.49	---	73.96	53.96	-5.47

Test mode: IEEE 802.11b CH11 for 30MHz to 1GHz, Antenna#3 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	27.44	1.00	221	0.84	28.28	40.00	-11.72
167.01	35.89	1.00	189	-3.69	32.20	43.50	-11.30
267.65	40.44	1.00	195	-4.20	36.24	46.00	-9.76
299.18	43.42	1.00	221	-3.71	39.71	46.00	-6.29
325.85	38.63	1.00	113	-3.20	35.43	46.00	-10.57

Test mode: IEEE 802.11b CH11 for 30MHz to 1GHz, Antenna#3 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	24.97	1.00	115	3.74	28.71	40.00	-11.29
74.26	26.12	1.00	245	0.84	26.96	40.00	-13.04
123.36	32.34	1.00	112	-2.31	30.03	43.50	-13.47
528.34	30.22	1.00	33	4.10	34.32	46.00	-11.68
650.80	25.17	1.00	117	8.48	33.65	46.00	-12.35

Test mode: IEEE 802.11b CH11 for 1GHz to 25GHz, Antenna#3 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2191.67	1.00	175	34.50	---	8.63	43.13	---	73.96	53.96	-10.83
2791.67	1.00	304	34.67	---	10.04	44.71	---	73.96	53.96	-9.25
7384.79	1.00	115	35.11	---	10.42	45.53	---	73.96	53.96	-8.43
9849.79	1.00	233	37.28	---	11.93	49.21	---	73.96	53.96	-4.75
12308.75	1.00	95	37.44	---	9.56	47.00	---	73.96	53.96	-6.96

Test mode: IEEE 802.11b CH11 for 1GHz to 25GHz, Antenna#3 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2152.08	1.00	70	36.83	---	8.52	45.35	---	73.96	53.96	-8.61
2685.42	1.00	29	34.50	---	9.84	44.34	---	73.96	53.96	-9.62
7384.79	1.00	13	35.28	---	10.42	45.70	---	73.96	53.96	-8.26
9849.79	1.00	130	37.78	---	11.93	49.71	---	73.96	53.96	-4.25
12308.75	1.00	273	37.44	---	9.56	47.00	---	73.96	53.96	-6.96

Test mode: IEEE 802.11g CH01 for 30MHz to 1GHz, Antenna#3 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	28.21	1.00	217	0.84	29.05	40.00	-10.95
167.62	36.36	1.00	187	-3.71	32.65	43.50	-10.85
267.65	39.70	1.00	179	-4.20	35.50	46.00	-10.50
299.78	43.42	1.00	226	-3.71	39.71	46.00	-6.29
325.24	38.42	1.00	125	-3.22	35.20	46.00	-10.80

Test mode: IEEE 802.11g CH01 for 30MHz to 1GHz, Antenna#3 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	24.73	1.00	3	3.74	28.47	40.00	-11.53
133.67	32.75	1.00	139	-2.72	30.03	43.50	-13.47
528.34	29.72	1.00	33	4.10	33.82	46.00	-12.18
566.53	28.10	1.00	303	5.56	33.66	46.00	-12.34
667.17	24.93	1.00	119	8.84	33.77	46.00	-12.23

Test mode: IEEE 802.11g CH01 for 1GHz to 25GHz, Antenna#3 [Horizontal]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBμV		dB/m	dBμV/m		dBμV/m		dB
2150.00	1.00	182	34.50	---	8.51	43.01	---	73.96	53.96	-10.95
2660.42	1.00	82	35.00	---	9.79	44.79	---	73.96	53.96	-9.17
7233.75	1.00	245	35.78	---	10.07	45.85	---	73.96	53.96	-8.11
9650.42	1.00	339	35.27	---	11.47	46.74	---	73.96	53.96	-7.22
12061.04	1.00	224	37.94	---	9.81	47.75	---	73.96	53.96	-6.21

Test mode: IEEE 802.11g CH01 for 1GHz to 25GHz, Antenna#3 [Vertical]

Frequency	Ant. H.	Table	Amplitude		Correction Factor	Corrected Amplitude		Limit		Margin
			Peak / Ave.			Peak / Ave.		Peak / Ave.		
MHz	m	degree	dBμV		dB/m	dBμV/m		dBμV/m		dB
2152.08	1.00	162	36.33	---	8.52	44.85	---	73.96	53.96	-9.11
7233.75	1.00	81	35.61	---	10.07	45.68	---	73.96	53.96	-8.28
9650.42	1.00	125	35.94	---	11.47	47.41	---	73.96	53.96	-6.55
12061.04	1.00	27	38.77	---	9.81	48.58	---	73.96	53.96	-5.38
21708.12	1.00	83	47.07	---	2.87	49.94	---	73.96	53.96	-4.02

Test mode: IEEE 802.11g CH06 for 30MHz to 1GHz, Antenna#3 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	26.97	1.00	223	0.84	27.81	40.00	-12.19
167.01	35.63	1.00	184	-3.69	31.94	43.50	-11.56
267.04	39.72	1.00	205	-4.20	35.52	46.00	-10.48
297.96	43.33	1.00	219	-3.72	39.61	46.00	-6.39
325.85	39.31	1.00	105	-3.20	36.11	46.00	-9.89

Test mode: IEEE 802.11g CH06 for 30MHz to 1GHz, Antenna#3 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
49.40	24.43	1.00	112	3.74	28.17	40.00	-11.83
74.26	26.67	1.00	242	0.84	27.51	40.00	-12.49
133.67	32.14	1.00	97	-2.72	29.42	43.50	-14.08
528.34	29.42	1.00	30	4.10	33.52	46.00	-12.48
563.50	28.09	1.00	190	5.46	33.55	46.00	-12.45

Test mode: IEEE 802.11g CH06 for 1GHz to 25GHz, Antenna#3 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2164.58	1.00	304	34.83	---	8.55	43.38	---	73.96	53.96	-10.58
2710.42	1.00	82	35.16	---	9.89	45.05	---	73.96	53.96	-8.91
7312.29	1.00	125	35.27	---	10.30	45.57	---	73.96	53.96	-8.39
9747.08	1.00	360	36.94	---	11.89	48.83	---	73.96	53.96	-5.13
12187.92	1.00	279	39.77	---	9.74	49.51	---	73.96	53.96	-4.45

Test mode: IEEE 802.11g CH06 for 1GHz to 25GHz, Antenna#3 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2700.00	1.00	99	34.66	---	9.87	44.53	---	73.96	53.96	-9.43
4871.46	1.00	341	40.44	---	3.95	44.39	---	73.96	53.96	-9.57
7312.29	1.00	149	35.27	---	10.30	45.57	---	73.96	53.96	-8.39
9747.08	1.00	148	35.94	---	11.89	47.83	---	73.96	53.96	-6.13
12187.92	1.00	0	40.44	---	9.74	50.18	---	73.96	53.96	-3.78

Test mode: IEEE 802.11g CH11 for 30MHz to 1GHz, Antenna#3 [Horizontal]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	26.95	1.00	190	0.84	27.79	40.00	-12.21
166.41	35.64	1.00	176	-3.68	31.96	43.50	-11.54
267.65	40.78	1.00	193	-4.20	36.58	46.00	-9.42
298.57	43.42	1.00	226	-3.72	39.70	46.00	-6.30
325.24	38.40	1.00	98	-3.22	35.18	46.00	-10.82

Test mode: IEEE 802.11g CH11 for 30MHz to 1GHz, Antenna#3 [Vertical]

Radiated Emission				Correction Factors	Corrected Amplitude	Class B (3 m)	
Frequency (MHz)	Amplitude (dBμV)	Ant. H. (m)	Table (°)			Limit (dBμV/m)	Margin (dB)
74.26	26.26	1.00	270	0.84	27.10	40.00	-12.90
123.97	32.30	1.00	123	-2.34	29.96	43.50	-13.54
133.67	33.05	1.00	93	-2.72	30.33	43.50	-13.17
528.34	30.03	1.00	29	4.10	34.13	46.00	-11.87
566.53	29.17	1.00	325	5.56	34.73	46.00	-11.27

Test mode: IEEE 802.11g CH11 for 1GHz to 25GHz, Antenna#3 [Horizontal]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2181.25	1.00	272	37.00	---	8.60	45.60	---	73.96	53.96	-8.36
2797.92	1.00	26	35.17	---	10.05	45.22	---	73.96	53.96	-8.74
7384.79	1.00	334	35.28	---	10.42	45.70	---	73.96	53.96	-8.26
9849.79	1.00	164	35.11	---	11.93	47.04	---	73.96	53.96	-6.92
12308.75	1.00	240	37.44	---	9.56	47.00	---	73.96	53.96	-6.96

Test mode: IEEE 802.11g CH11 for 1GHz to 25GHz, Antenna#3 [Vertical]

<i>Frequency</i>	<i>Ant. H.</i>	<i>Table</i>	<i>Amplitude</i>		<i>Correction Factor</i>	<i>Corrected Amplitude</i>		<i>Limit</i>		<i>Margin</i>
			<i>Peak / Ave.</i>			<i>Peak / Ave.</i>		<i>Peak / Ave.</i>		
<i>MHz</i>	<i>m</i>	<i>degree</i>	<i>dBμV</i>		<i>dB/m</i>	<i>dBμV/m</i>		<i>dBμV/m</i>		<i>dB</i>
2152.08	1.00	192	37.50	---	8.52	46.02	---	73.96	53.96	-7.94
2750.00	1.00	46	34.50	---	9.96	44.46	---	73.96	53.96	-9.50
9849.79	1.00	240	36.44	---	11.93	48.37	---	73.96	53.96	-5.59
12308.75	1.00	72	38.11	---	9.56	47.67	---	73.96	53.96	-6.29
24619.37	1.00	84	46.35	---	3.01	49.36	---	73.96	53.96	-4.60

7.4 Test Result of the Bandedge

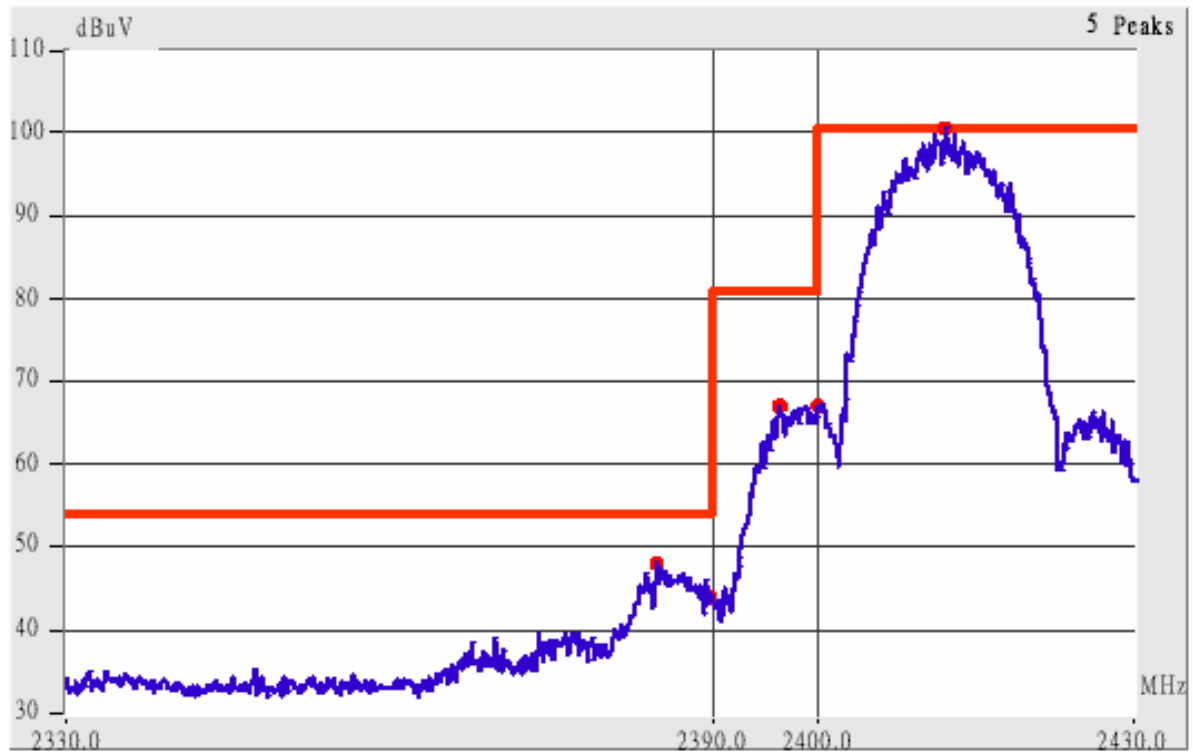
If any 100 kHz bandwidth outside these frequency bands, the radio frequency power that is produced by the modulation products of the spreading sequence, the information sequence and the carrier frequency shall be either *at least 20 dB below that in any 100 kHz bandwidth within the band that contains the highest level of the desired power or shall not exceed the general levels specified in §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 Part 15.205(a) must also *comply with the radiated emission limits specified in Part 15.209(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 < 8.1 >

IEEE 802.11b Ch01 for Antenna#1



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.

<i>Radiated Emission</i>					<i>Corrected Amplitude</i>		<i>Class B (3m)</i>		
<i>Frequency (MHz)</i>	<i>Ant. P.</i>	<i>Ant. H. (m)</i>	<i>Angle (°)</i>	<i>Factors (dB)</i>	<i>(dBµV/m)</i>		<i>Limit (dBµV/m)</i>		<i>Margin (dB)</i>
					<i>Peak</i>	<i>Average</i>	<i>Peak</i>	<i>Ave.</i>	
2384.43	Hor	1.00	133	9.17	56.83	43.34	73.96	53.96	-10.62
2386.30	Hor	1.00	133	9.17	55.67	44.17	73.96	53.96	-9.79
2390.02	Hor	1.00	93	9.18	51.35	---	73.96	53.96	-2.61
2384.47	Ver	1.00	113	9.17	54.50	41.17	73.96	53.96	-12.79
2386.36	Ver	1.00	110	9.17	53.84	42.00	73.96	53.96	-11.96
2390.02	Ver	1.00	96	9.18	50.35	---	73.96	53.96	-3.61

IEEE 802.11b Ch11 for Antenna#1

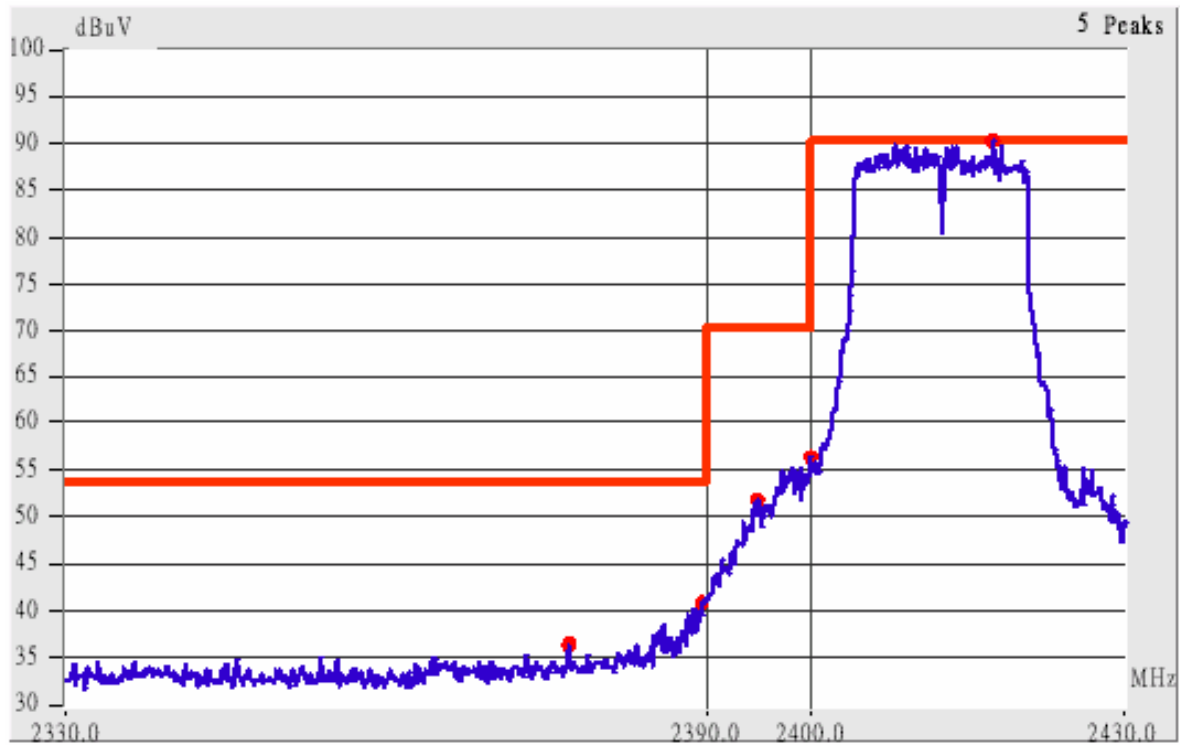


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

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		Class B (3m)		
Frequency (MHz)	Ant. P.	Ant. H. (m)	Angle (°)	Factors (dB)	(dBµV/m)		Limit (dBµV/m)		Margin (dB)
					Peak	Average	Peak	Ave.	
2483.91	Hor	1.00	228	9.44	52.61	44.27	73.96	53.96	-9.69
2488.70	Hor	1.00	228	9.46	58.29	45.96	73.96	53.96	-8.00
2500.01	Hor	1.00	194	9.49	45.32	---	73.96	53.96	-8.64
2483.50	Ver	1.00	219	9.44	50.44	---	73.96	53.96	-3.52
2488.31	Ver	1.00	305	9.46	56.29	44.63	73.96	53.96	-9.33
2500.01	Ver	1.00	211	9.49	45.16	---	73.96	53.96	-8.80
2507.53	Ver	1.00	228	9.50	47.34	---	73.96	53.96	-6.62

IEEE 802.11g Ch01 for Antenna#1

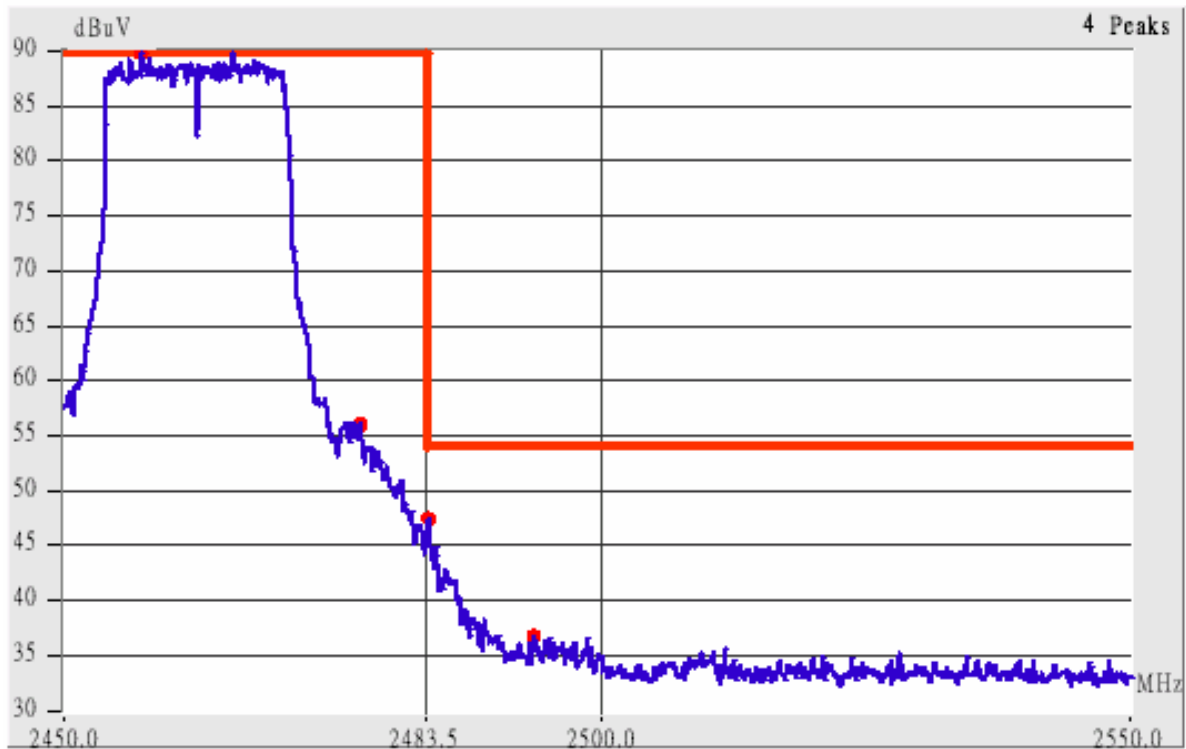


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

- 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.

<i>Radiated Emission</i>					<i>Corrected Amplitude</i>		<i>Class B (3m)</i>		
<i>Frequency (MHz)</i>	<i>Ant. P.</i>	<i>Ant. H. (m)</i>	<i>Angle (°)</i>	<i>Factors (dB)</i>	<i>(dBµV/m)</i>		<i>Limit (dBµV/m)</i>		<i>Margin (dB)</i>
					<i>Peak</i>	<i>Average</i>	<i>Peak</i>	<i>Ave.</i>	
2363.91	Hor	1.00	83	9.11	45.28	---	73.96	53.96	-8.68
2387.69	Hor	1.00	132	9.18	51.34	---	73.96	53.96	-2.62
2390.50	Hor	1.00	171	9.18	56.52	41.35	73.96	53.96	-12.61
2382.87	Ver	1.00	100	9.16	48.50	---	73.96	53.96	-5.46
2386.28	Ver	1.00	2	9.17	49.17	---	73.96	53.96	-4.79
2390.37	Ver	1.00	221	9.18	55.35	39.35	73.96	53.96	-14.61

IEEE 802.11g Ch11 for Antenna#1

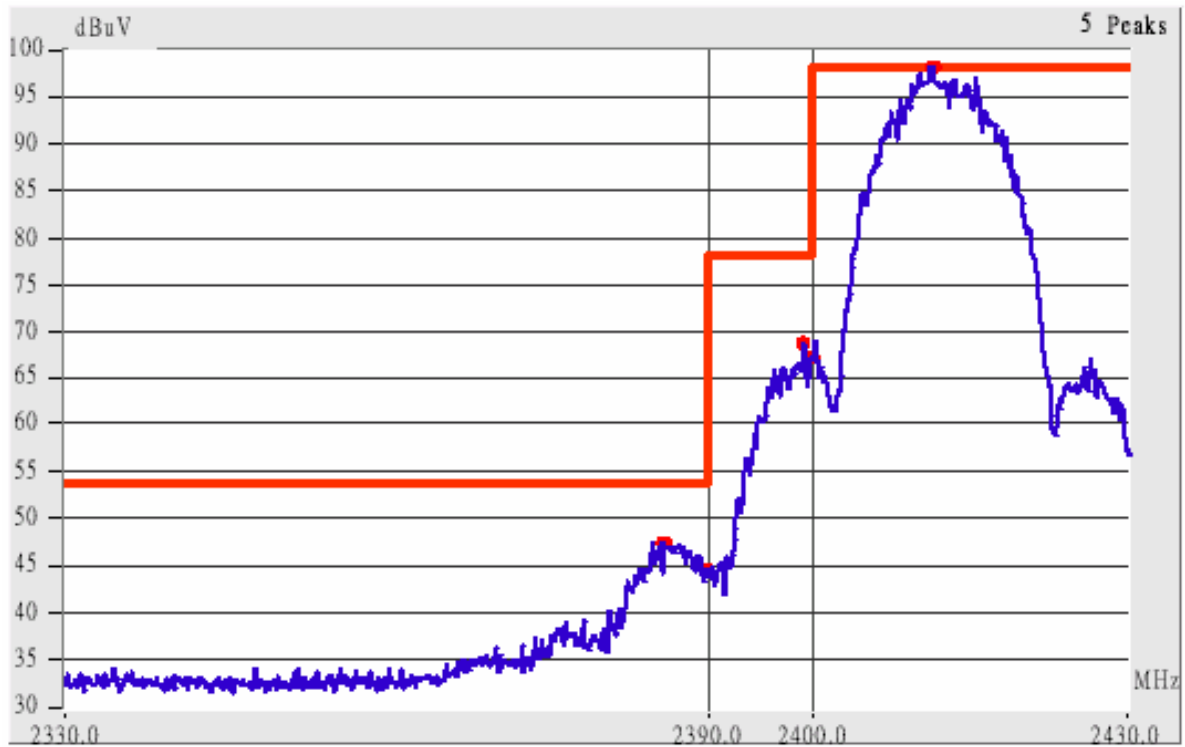


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

- 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

<i>Radiated Emission</i>					<i>Corrected Amplitude</i>		<i>Class B (3m)</i>		
<i>Frequency (MHz)</i>	<i>Ant. P.</i>	<i>Ant. H. (m)</i>	<i>Angle (°)</i>	<i>Factors (dB)</i>	<i>(dBµV/m)</i>		<i>Limit (dBµV/m)</i>		<i>Margin (dB)</i>
					<i>Peak</i>	<i>Average</i>	<i>Peak</i>	<i>Ave.</i>	
2483.30	Hor	1.00	264	9.44	57.28	42.11	73.96	53.96	-11.85
2484.85	Hor	1.00	264	9.45	56.28	39.12	73.96	53.96	-14.84
2489.45	Hor	1.00	266	9.46	51.96	---	73.96	53.96	-2.00
2509.57	Hor	1.00	226	9.51	46.67	---	73.96	53.96	-7.29
2483.17	Ver	1.00	207	9.44	54.28	40.61	73.96	53.96	-13.35
2489.28	Ver	1.00	205	9.46	49.96	---	73.96	53.96	-4.00

IEEE 802.11b Ch01 for Antenna#2

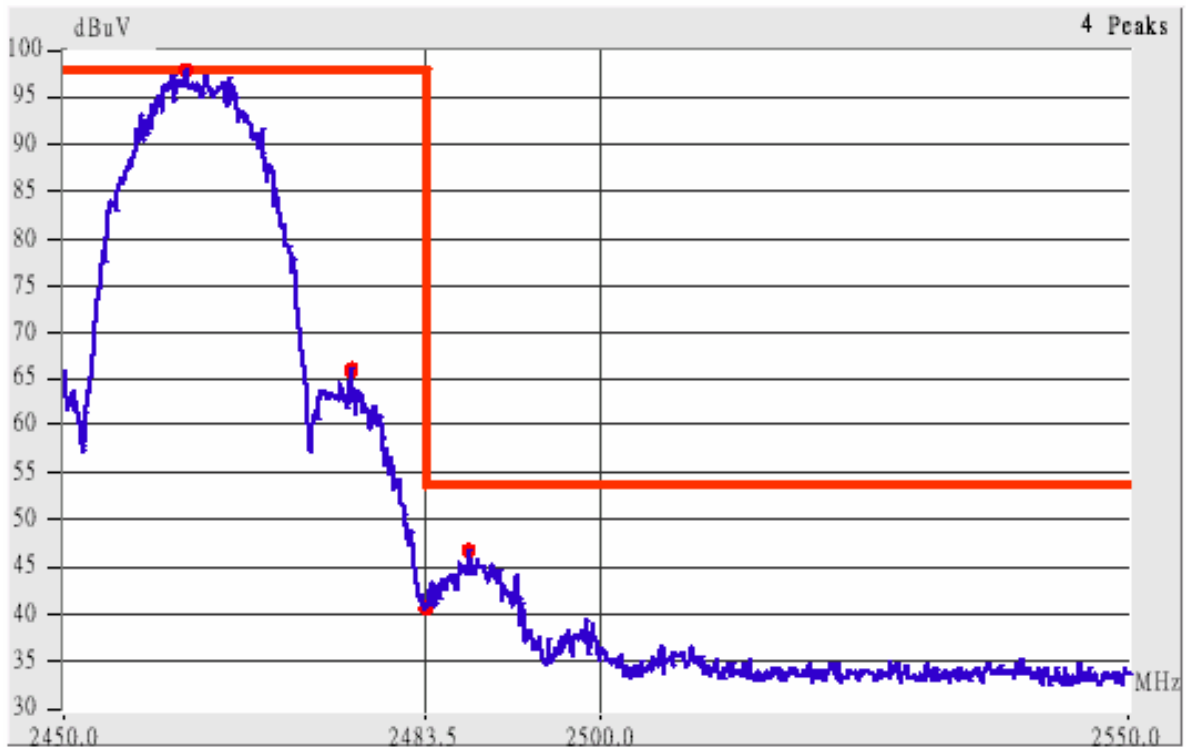


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

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		Class B (3m)		
Frequency (MHz)	Ant. P.	Ant. H. (m)	Angle (°)	Factors (dB)	(dBµV/m)		Limit (dBµV/m)		Margin (dB)
					Peak	Average	Peak	Ave.	
2384.43	Hor	1.00	74	9.17	57.83	44.17	73.96	53.96	-9.79
2385.94	Hor	1.00	75	9.17	57.34	45.17	73.96	53.96	-8.79
2390.02	Hor	1.00	75	9.18	52.35	---	73.96	53.96	-1.61
2384.68	Ver	1.00	88	9.17	55.83	42.34	73.96	53.96	-11.62
2386.99	Ver	1.00	87	9.17	54.51	43.17	73.96	53.96	-10.79
2390.02	Ver	1.00	78	9.18	49.35	---	73.96	53.96	-4.61

IEEE 802.11b Ch11 for Antenna#2

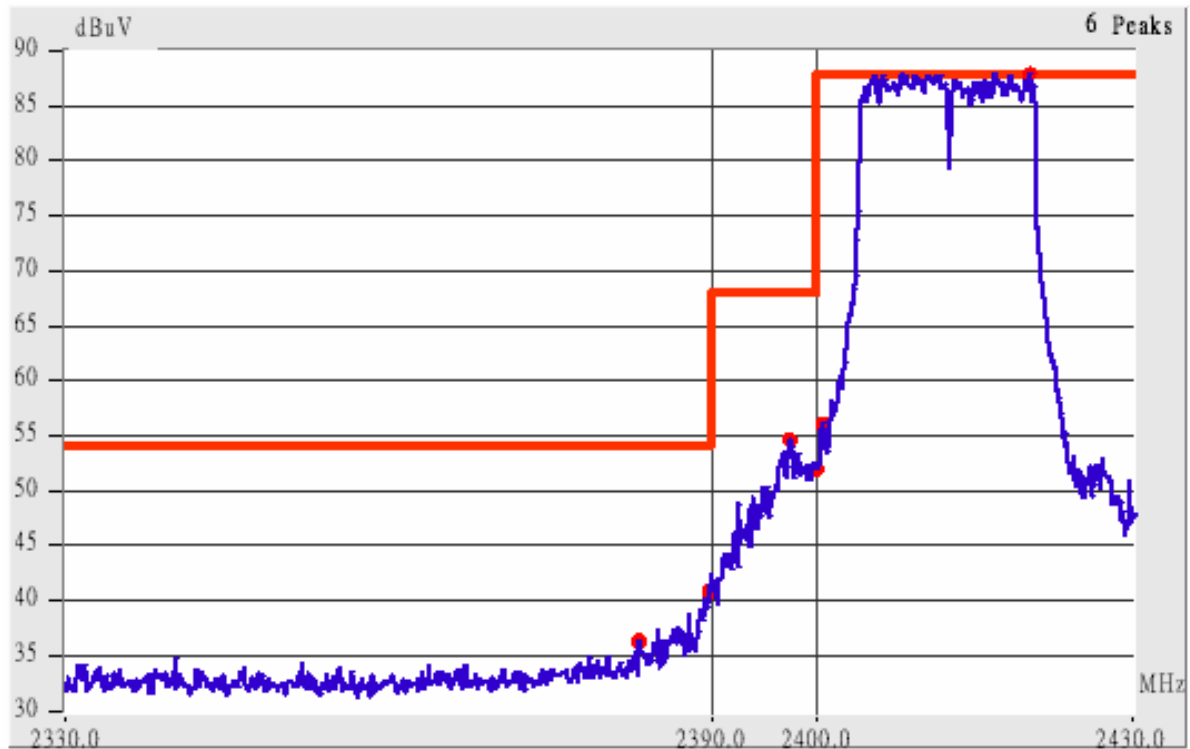


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

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		Class B (3m)		
Frequency (MHz)	Ant. P.	Ant. H. (m)	Angle (°)	Factors (dB)	(dBµV/m)		Limit (dBµV/m)		Margin (dB)
					Peak	Average	Peak	Ave.	
2483.50	Hor	1.00	188	9.44	49.78	---	73.96	53.96	-4.18
2488.10	Hor	1.00	230	9.46	54.96	43.96	73.96	53.96	-10.00
2489.46	Hor	1.00	230	9.46	55.46	42.63	73.96	53.96	-11.33
2487.40	Hor	1.00	220	9.45	53.46	42.78	73.96	53.96	-11.18
2489.17	Ver	1.00	200	9.46	54.29	41.46	73.96	53.96	-12.50
2509.46	Ver	1.00	222	9.51	47.51	---	73.96	53.96	-6.45

IEEE 802.11g Ch01 for Antenna#2

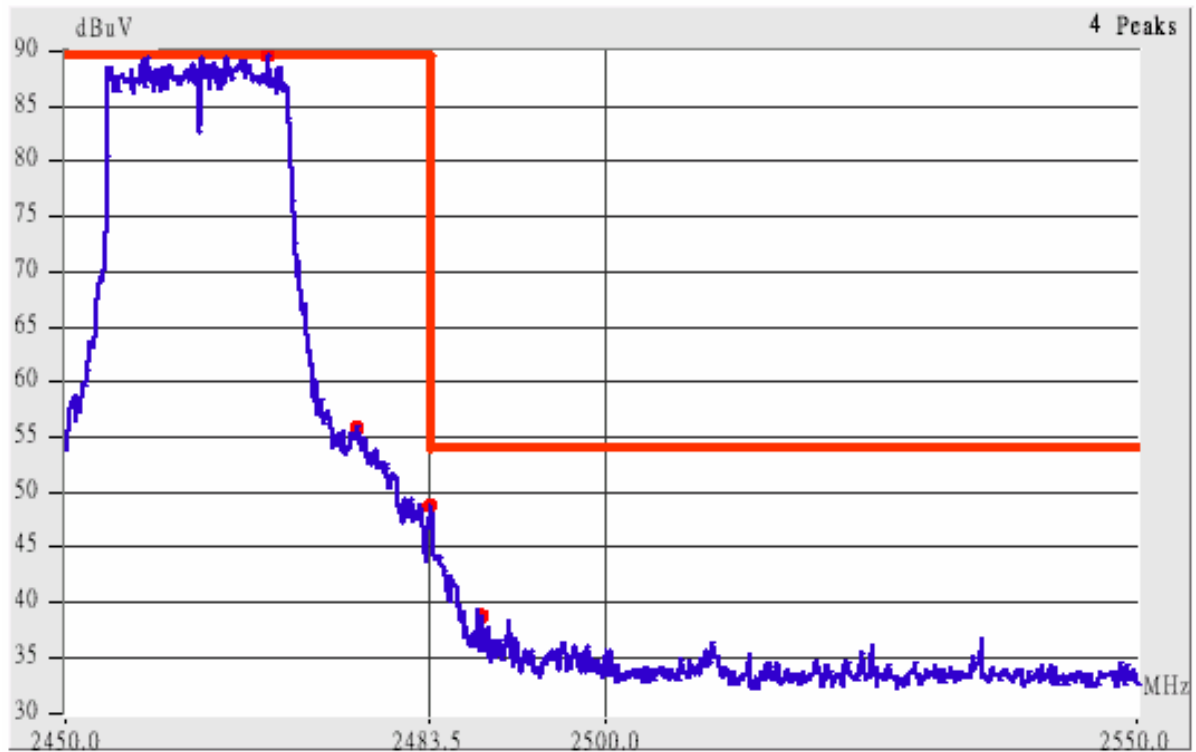


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

- 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		Class B (3m)		
Frequency (MHz)	Ant. P.	Ant. H. (m)	Angle (°)	Factors (dB)	(dBµV/m)		Limit (dBµV/m)		Margin (dB)
					Peak	Average	Peak	Ave.	
2384.65	Hor	1.00	74	9.17	48.17	---	73.96	53.96	-5.79
2388.82	Hor	1.00	75	9.18	53.35	36.68	73.96	53.96	-17.28
2389.83	Hor	1.00	154	9.18	53.52	38.51	73.96	53.96	-15.45
2378.15	Ver	1.00	72	9.15	44.82	---	73.96	53.96	-9.14
2388.45	Ver	1.00	86	9.18	50.34	---	73.96	53.96	-3.62
2390.02	Ver	1.00	77	9.18	48.68	---	73.96	53.96	-5.28

IEEE 802.11g Ch11 for Antenna#2

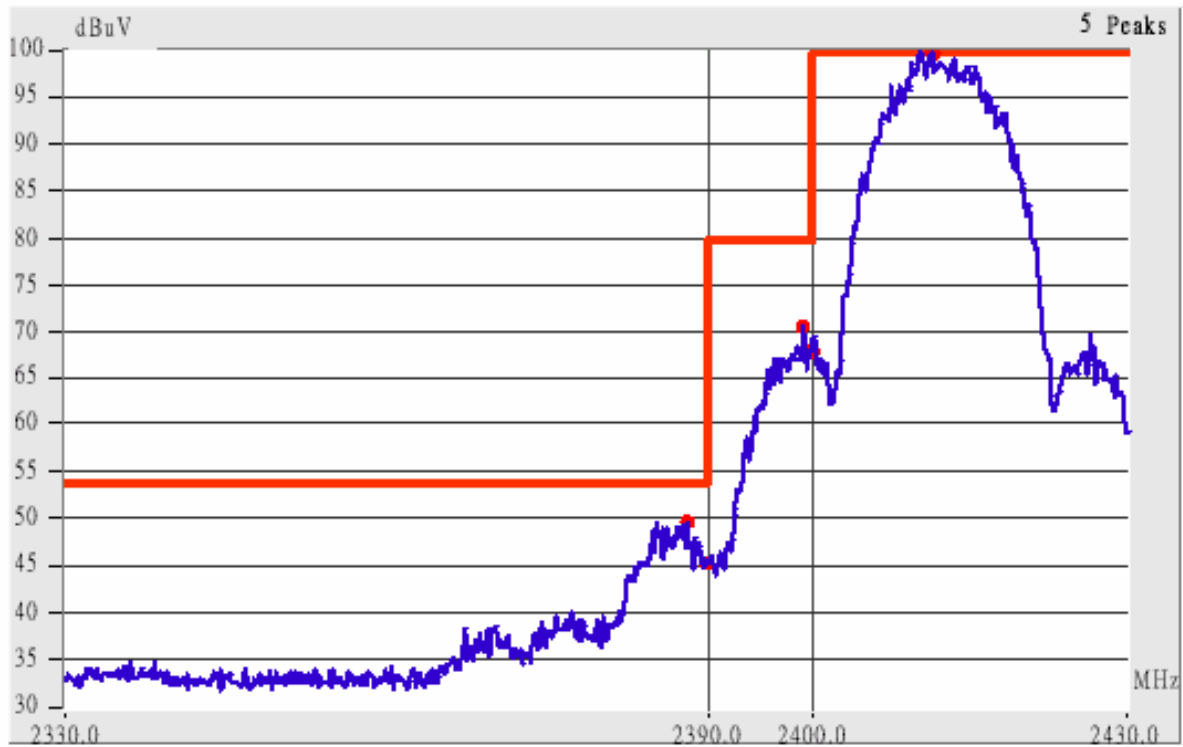


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

- 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		Class B (3m)		
Frequency (MHz)	Ant. P.	Ant. H. (m)	Angle (°)	Factors (dB)	(dBµV/m)		Limit (dBµV/m)		Margin (dB)
					Peak	Average	Peak	Ave.	
2483.51	Hor	1.00	200	9.44	55.94	40.44	73.96	53.96	-13.52
2487.64	Hor	1.00	197	9.46	49.29	---	73.96	53.96	-4.67
2500.01	Hor	1.00	241	9.49	43.16	---	73.96	53.96	-10.80
2509.87	Hor	1.00	264	9.51	46.34	---	73.96	53.96	-7.62
2483.87	Ver	1.00	194	9.44	53.94	38.44	73.96	53.96	-15.52
2491.49	Ver	1.00	208	9.47	47.63	---	73.96	53.96	-6.33

IEEE 802.11b Ch01 for Antenna#3

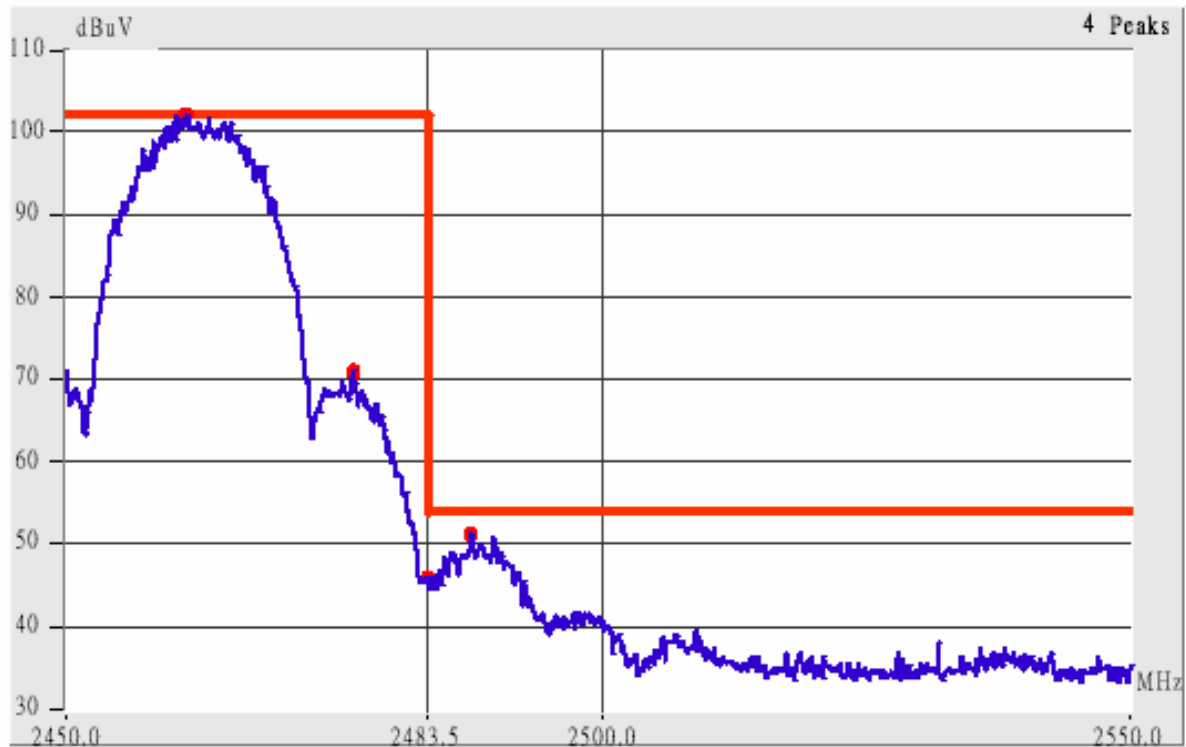


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

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.

<i>Radiated Emission</i>					<i>Corrected Amplitude</i>		<i>Class B (3m)</i>		
<i>Frequency (MHz)</i>	<i>Ant. P.</i>	<i>Ant. H. (m)</i>	<i>Angle (°)</i>	<i>Factors (dB)</i>	<i>(dBμV/m)</i>		<i>Limit (dBμV/m)</i>		<i>Margin (dB)</i>
					<i>Peak</i>	<i>Average</i>	<i>Peak</i>	<i>Ave.</i>	
2373.91	Hor	1.00	97	9.14	52.61	39.31	73.96	53.96	-14.65
2385.26	Hor	1.00	94	9.17	62.67	50.34	73.96	53.96	-3.62
2389.30	Hor	1.00	97	9.18	58.18	48.68	73.96	53.96	-5.28
2375.07	Hor	1.00	126	9.14	50.47	---	73.96	53.96	-3.49
2384.43	Ver	1.00	113	9.17	59.83	46.50	73.96	53.96	-7.46
2389.95	Ver	1.00	127	9.18	54.85	45.51	73.96	53.96	-8.45

IEEE 802.11b Ch11 for Antenna#3

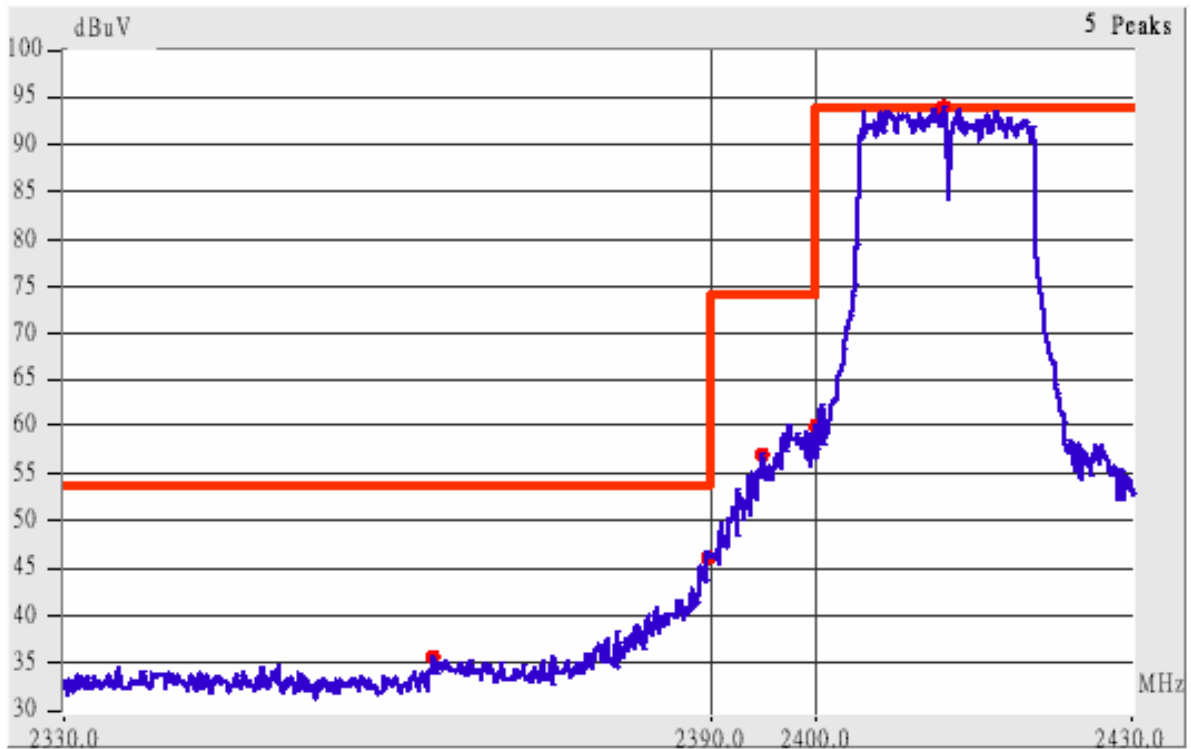


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 11.

- 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		Class B (3m)		
Frequency (MHz)	Ant. P.	Ant. H. (m)	Angle (°)	Factors (dB)	(dBµV/m)		Limit (dBµV/m)		Margin (dB)
					Peak	Average	Peak	Ave.	
2483.59	Hor	1.00	182	9.44	55.61	46.77	73.96	53.96	-7.19
2489.43	Hor	1.00	180	9.46	61.63	48.46	73.96	53.96	-5.50
2498.12	Hor	1.00	184	9.48	52.49	41.65	73.96	53.96	-12.31
2500.01	Hor	1.00	178	9.49	48.99	---	73.96	53.96	-4.97
2509.28	Hor	1.00	181	9.51	49.67	---	73.96	53.96	-4.29
2482.96	Ver	1.00	206	9.44	54.61	46.27	73.96	53.96	-7.69
2489.44	Ver	1.00	206	9.46	60.79	47.46	73.96	53.96	-6.50

IEEE 802.11g Ch01 for Antenna#3

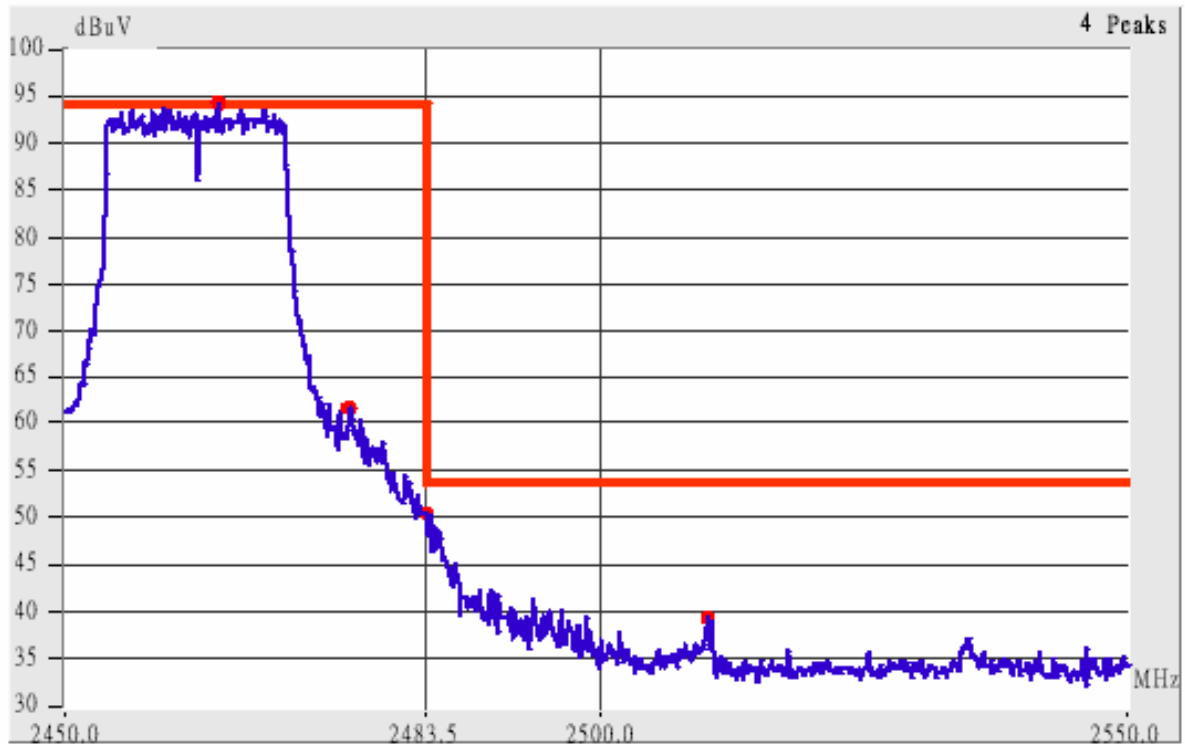


This is the hard copy of our bandedge measurement generated by our bandedge testing program. The plot shown above is the bandedge of channel 1.

- 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		Class B (3m)		
Frequency (MHz)	Ant. P.	Ant. H. (m)	Angle (°)	Factors (dB)	(dBµV/m)		Limit (dBµV/m)		Margin (dB)
					Peak	Average	Peak	Ave.	
2381.49	Hor	1.00	74	9.16	52.16	35.66	73.96	53.96	-18.30
2384.79	Hor	1.00	75	9.17	52.83	37.50	73.96	53.96	-16.46
2388.84	Hor	1.00	74	9.18	58.34	42.01	73.96	53.96	-11.95
2390.41	Ver	1.00	122	9.18	59.68	45.68	73.96	53.96	-8.28
2389.19	Ver	1.00	102	9.18	58.51	40.35	73.96	53.96	-13.61
2390.44	Ver	1.00	95	9.18	56.02	43.01	73.96	53.96	-10.95

IEEE 802.11g Ch11 for Antenna#3



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

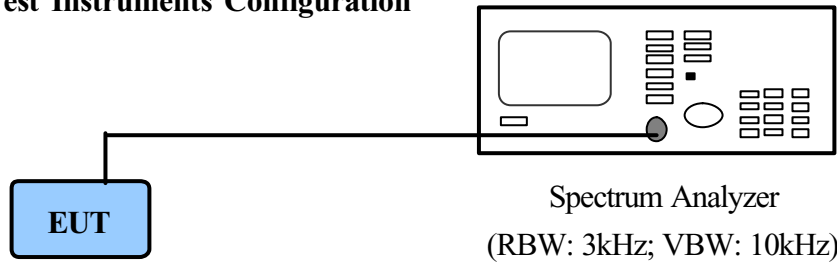
Radiated Emission					Corrected Amplitude		Class B (3m)		
Frequency (MHz)	Ant. P.	Ant. H. (m)	Angle (°)	Factors (dB)	(dBµV/m)		Limit (dBµV/m)		Margin (dB)
					Peak	Average	Peak	Ave.	
2482.99	Hor	1.00	195	9.44	65.11	46.77	73.96	53.96	-7.19
2486.98	Hor	1.00	197	9.45	57.45	39.28	73.96	53.96	-14.68
2496.68	Hor	1.00	195	9.48	52.48	37.31	73.96	53.96	-16.65
2500.01	Hor	1.00	214	9.49	47.32	---	73.96	53.96	-6.64
2509.40	Hor	1.00	204	9.51	49.51	---	73.96	53.96	-4.45
2482.99	Ver	1.00	206	9.44	63.44	45.77	73.96	53.96	-8.19
2486.72	Ver	1.00	210	9.45	55.29	38.78	73.96	53.96	-15.18
2495.71	Ver	1.00	198	9.48	52.31	36.81	73.96	53.96	-17.15

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



PC 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.	Next time
Spectrum Analyzer	MS2665C	ANRITSU	6200175476	11/02/05

8.4 Test Result of Power spectral density

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

Channel	Ppr (dBm)	Cable Loss (dB)	Ppq (dBm)	Limit (dB)	Margin (dB)
802.11b CH01	-6.33	1.00	-5.33	8.00	-13.33
802.11b CH06	-6.47	1.00	-5.47	8.00	-13.47
802.11b CH11	-7.06	1.00	-6.06	8.00	-14.06
802.11g CH01	-13.93	1.00	-12.93	8.00	-20.93
802.11g CH06	-14.34	1.00	-13.34	8.00	-21.34
802.11g CH11	-14.21	1.00	-13.21	8.00	-21.21

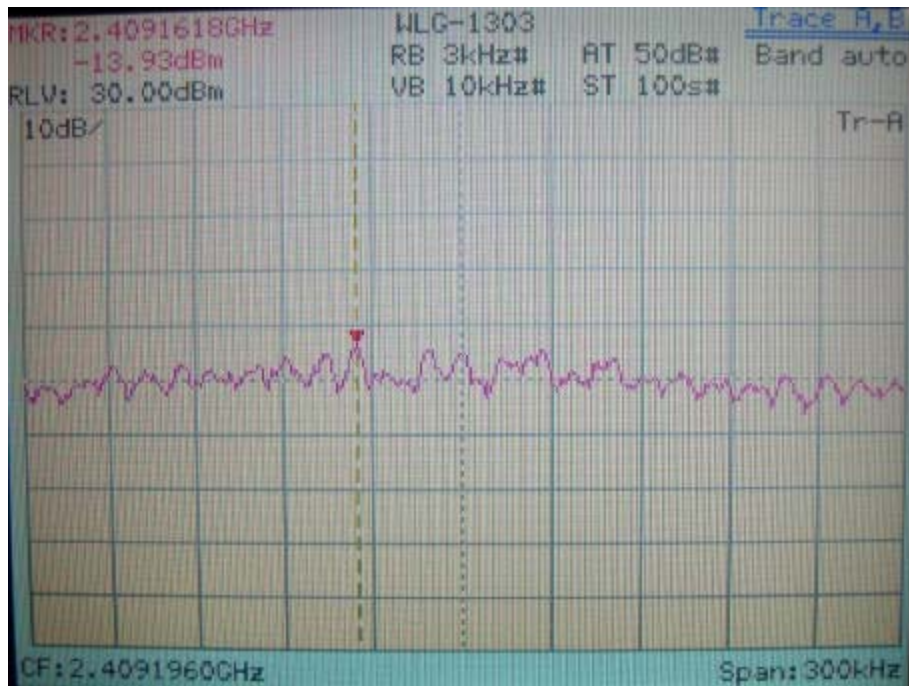
Note:

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. $Ppq = Ppr + |Cable Loss|$

Power Spectral Density of Channel 01

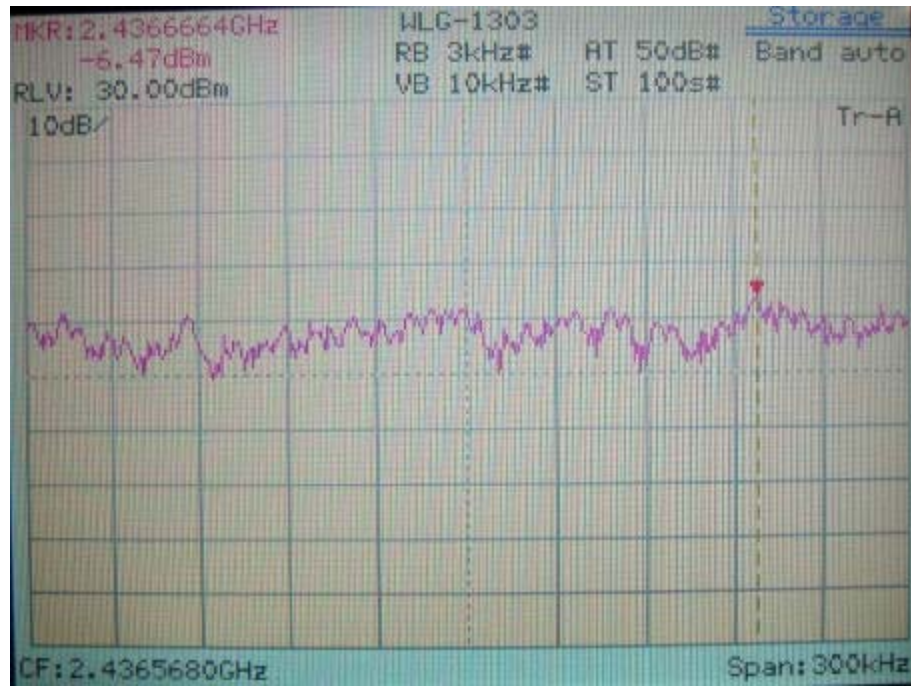


IEEE 802.11b

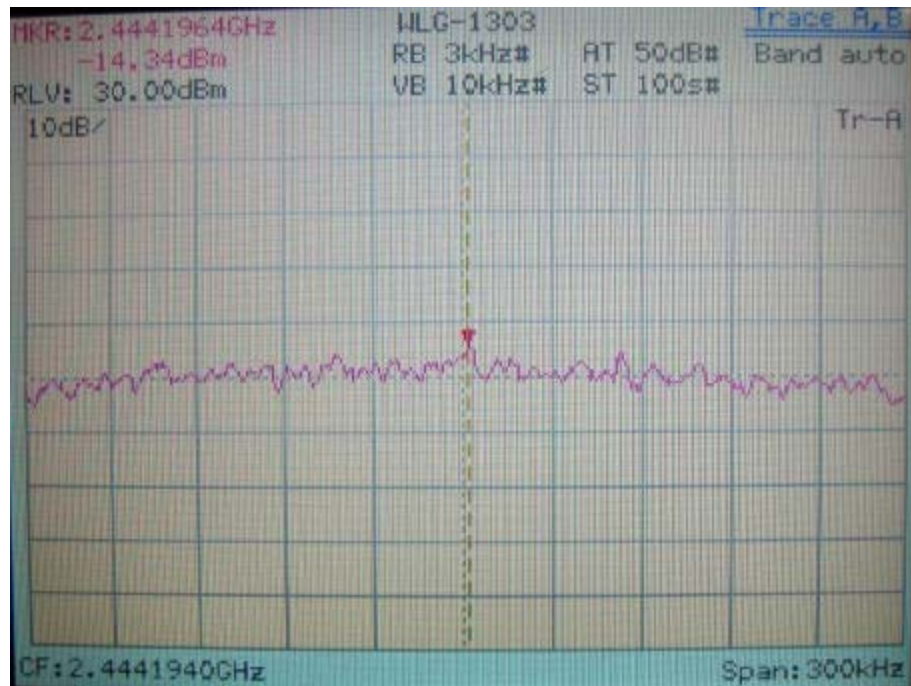


IEEE 802.11g

Power Spectral Density of Channel 06



IEEE 802.11b

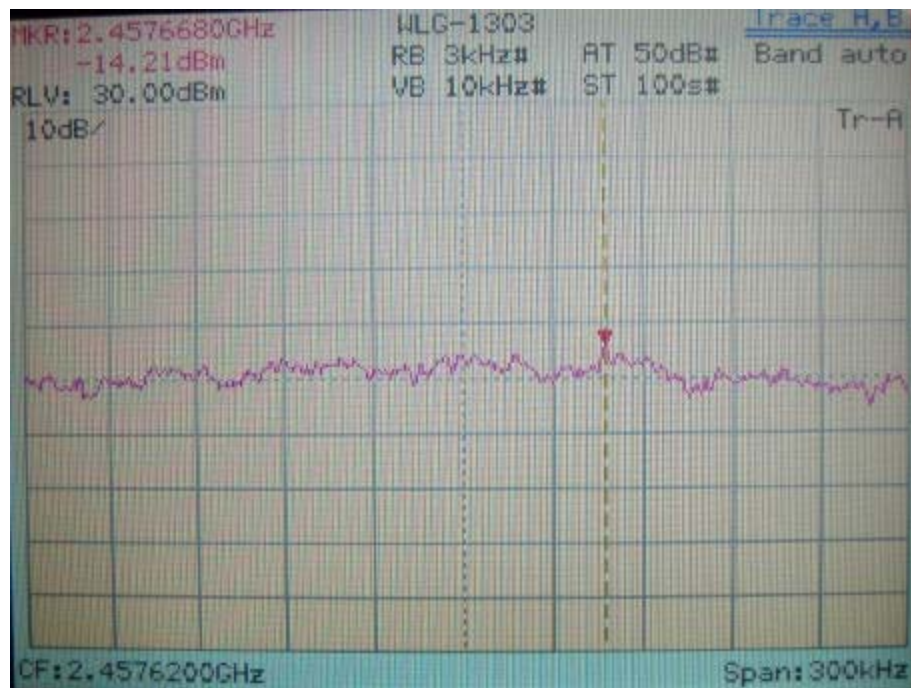


IEEE 802.11g

Power Spectral Density of Channel 11



IEEE 802.11b



IEEE 802.11g