EMI TEST REPORT

Test Report No. : 25AE0088-HO

Applicant	:	**BUFFALO INC.**
Type of Equipment	:	**Wireless LAN ROUTER**
Model No.	:	**WBR2-G54 / WBR2-B11 / WLA2-G54L** **Antenna : WLE-HG-NDR / WLE-MYG**
Test standard	:	**FCC Part 15 Subpart C** **Section 15.247 : 2004** **Spurious Emission test only**
FCC ID	:	**FDI-04600142-0**
Test Result	:	**Complied**

1. This test report shall not be reproduced in full or partial, without the written approval of UL Apex Co., Ltd.
2. The results in this report apply only to the sample tested.
3. This equipment is in compliance with above regulation. We hereby certify that the data contain a true representation of the EMC profile.
4. The test results in this report are traceable to the national or international standards.

Date of test:

August 31 to September 1, 2004

Tested by:

Hiroka Umeyama
EMC Service

Approved by :

Naoki Sakamoto
Group Leader of
EMC Service

UL Apex Co., Ltd.
Head Office EMC Lab.
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
Telephone : +81 596 24 8116
Facsimile : +81 596 24 8124

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SECTION 1: Client information

Company Name	:	BUFFALO INC.
Brand name	:	BUFFALO
Address	:	15, Shibata Hondori 4-chome, Minami-ku, Nagoya, Japan
Telephone Number	:	+81-52-619-7752
Facsimile Number	:	+81-52-619-7754
Contact Person	:	Kouichi Kimura

SECTION 2: Equipment under test (E.U.T.)

2.1 Identification of E.U.T.

Type of Equipment	:	Wireless LAN Router
Router Model No.	:	WBR2-G54
Router Serial No.	:	34059644819803
Antenna Model No.	:	WLE-HG-NDR / WLE-MYG
Antenna Serial No.	:	1 / 1
Country of Manufacture	:	JAPAN
Rating	:	AC100 - 240V (AC Adaptor)
Receipt Date of Sample	:	August 18, 2004
Condition of EUT	:	Production Model

2.2 Product Description

[Wireless LAN Module]

Equipment Type	:	Transceiver
Frequency of operation	:	2412-2462MHz
Type of modulation	:	IEEE802.11b & IEEE802.11g
Channel spacing	:	5MHz
Channel number	:	11
Antenna Type	:	External type
Antenna Connector Type		Refer to the attached document
Antenna Gain	:	WLE-HG-NDR(Non-Directional Antenna) 4.7dBi WLE-MYG (External Compact Yagi Antenna) 3.9dBi
Power Supply	:	DC3.3V(AC Adaptor :AC100V-240V, 50/60Hz)
Temperature of operation	:	0 deg. C. to +35 deg. C.

Series models

The WBR2-G54 wireless router have 4port LAN,1port WAN, and 11b/g wireless function.
The WBR2-B11 wireless router have 4port LAN, 1port WAN and 11b wireless function. HW is same as WBR2-G54 , but 11g function is limited by FW. The WLA2-G54L wireless bridge have 4port LAN and 11b/g wireless function. HW is same as WBR2-G54. but WAN port is not populated.
We conducted testing with WBR2-G54 only, which is the superior model among variants.

FCC 15.31 (e)

This EUT provides stable voltage constantly to RF Module regardless of input voltage. Therefore, this EUT complies with the requirement.

FCC Part 15.203 Antenna requirement

This EUT complies with the requirement of 15.203, because the antenna that uses a unique coupling (indicate the name of a unique antenna connector) to the intentional radiator in this equipment is used.

SECTION 3: Test specification, procedures & results

3.1 Test Specification

Test Specification	:	FCC Part15 Subpart C : 2004
Title	:	FCC 47CFR Part15 Radio Frequency Device Subpart C Intentional Radiators Section 15.207 Conducted limits : 2004 Section 15.247 Operation within the bands 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz : 2004

3.2 Procedures and results

[FHSS]

No.	Item	Test Procedure	Specification	Remarks	Deviation	Worst margin	Results
1	Spurious Emission	ANSI C63.4:2003 13. Measurement of intentional radiators	Section15.247(c)	Radiated	N/A	0.9dB, 400MHz HOR	Complied

Note: UL Apex's EMI Work Procedures No.QPM05.

Uncertainty:

*In case of the margin below the EMC Head Office's uncertainty.

The data listed in this report meets the limits unless the uncertainty is taken into consideration.

Conducted Emission

The measurement uncertainty (with a 95% confidence level) for this test is ±1.3dB.

Spurious Emission (Radiated)

The measurement uncertainty (with a 95% confidence level) for this test using Biconical antenna is ±4.5dB(3m)/ ±4.7dB(10m).

The measurement uncertainty (with a 95% confidence level) for this test using Logperiodic antenna is ±5.2dB(3m)/ ±3.8dB(10m).

The measurement uncertainty (with a 95% confidence level) for this test using Horn antenna is ±6.6dB.

Other test except Conducted Emission and Spurious Emission (Radiated)

The measurement uncertainty (with a 95% confidence level) for this test is ±3.0dB.

*The External Antennas, WLE-HG-NDR and WLE-MYG are added to the WIreless LAN Router which has already approved. With this addition, only the Spurious emission test was made.

*These tests were also referred to FCC Public Notice DA 00-705 "Guidance on Measurement for Frequency Hopping Spread Spectrum Systems".

*These tests were performed without any deviations from test procedure except for additions or exclusions.

3.3 Test Location

UL Apex Co., Ltd. Head Office EMC Lab. *NVLAP Lab. code: 200572-0
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
Telephone : +81 596 24 8116
Facsimile : +81 596 24 8124

	Listed date (for FCC)	FCC Registration Number	IC Registration Number	Width x Depth x Height (m)	Size of reference ground plane (m) / horizontal conducting plane	Other rooms
No.1 semi-anechoic chamber	February 01, 2002	313583	IC4247	19.2 x 11.2 x 7.7m	7.0 x 6.0m	Preparation room
No.2 semi-anechoic chamber	June 05, 2002	846015	IC4247-2	7.5 x 5.8 x 5.2m	4.0 x 4.0m	-
No.3 shielded room	-	-	-	4.7 x 7.5 x 2.7m	4.7 x 7.5m	-
No.4 measurement room	-	-	-	3.1 x 5.0 x 2.7m	N/A	-

* Size of vertical conducting plane (for Conducted Emission test) : 2.0 x 2.0m for No.1 and No.2 semi-anechoic and No.3 shielded room.

3.4 Test set up, Test instruments and Data of EMI

Refer to APPENDIX 1 to 3.

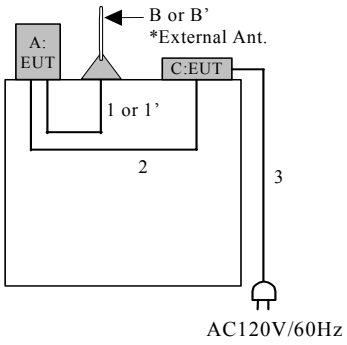
SECTION 4: Operation of E.U.T. during testing

4.1 Operating Modes

The mode is used : Packet Type : Maximum / Payload : PN9

Transmitting mode IEEE802.11b 11Mbps
IEEE802.11g 54Mbps
Channel Low 2412MHz / Mid 2442MHz / High 2462MHz

4.2 Configuration and peripherals



* Cabling was taken into consideration and test data was taken under worse case conditions.

Description of EUT and Support equipment

No.	Item	Model number	Serial number	Manufacturer	Remark
A	Wireless LAN Router	WBR2-G54	34059644819803	BUFFALO	EUT
B	AirStation 2.4GHz Wireless LAN for Indoor Use High Gain Non-Directional Antenna	WLE-HG-NDR	1	BUFFALO	EUT
B'	AirStation Antenna	WLE-MYG	1	BUFFALO	EUT
C	AC Adaptor	AT7094A	1	YOKOGAWA	EUT

List of cables used

No.	Name	Length (m)	Shield	Backshell Material
1	Antenna cable(WLE-HG-NDR)	1.5	Y	Polyvinyl chloride
1'	Antenna cable(WLE-MYG)	0.5	Y	Polyvinyl chloride
2	DC cable	1.2	N	Polyvinyl chloride
3	AC cable	0.5	N	Polyvinyl chloride

SECTION 5: Spurious Emission

Test Procedure
EUT was placed on a platform of nominal size, 0.5m by 0.5m, raised 80cm above the conducting ground plane.
The Radiated Electric Field Strength intensity has been measured in a Semi Anechoic Chamber with a ground plane and at a distance of 3m(Below 10GHz) and 1m(Upper 10GHz).
The height of the measuring varied between 1 and 4m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field intensity.
The measurements were performed for both vertical and horizontal antenna polarization with the Test Receiver or the Spectrum Analyzer.
In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator confirmed 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on a radiated measurement.

The result also satisfied with the general limits specified in section 15.209(a).

Frequency	Below 1GHz	Above 1GHz
Instrument used	Test Receiver	Spectrum Analyzer
Detector IF Bandwidth	QP: BW 120kHz	PK: RBW:1MHz/VBW: 1MHz AV: RBW:1MHz/VBW:10Hz

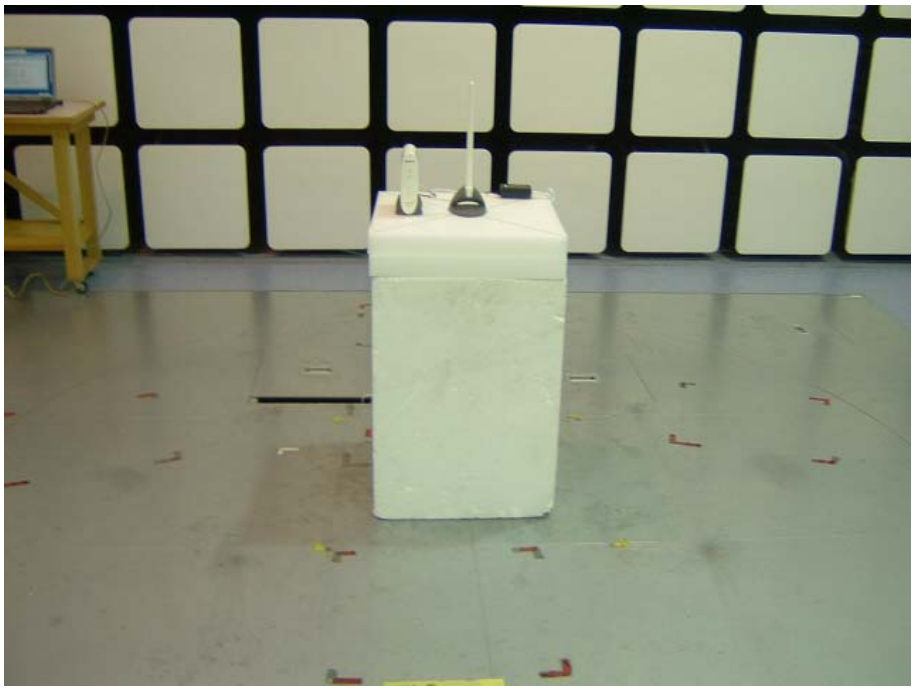
Test data : APPENDIX 3
Test result : Pass

- The carrier level (or, noise levels) was (or were) measured at each position of all three axes X, Y and Z, and the position that has the maximum noise was determined.
With the position, the noise levels of all the frequencies was measured.

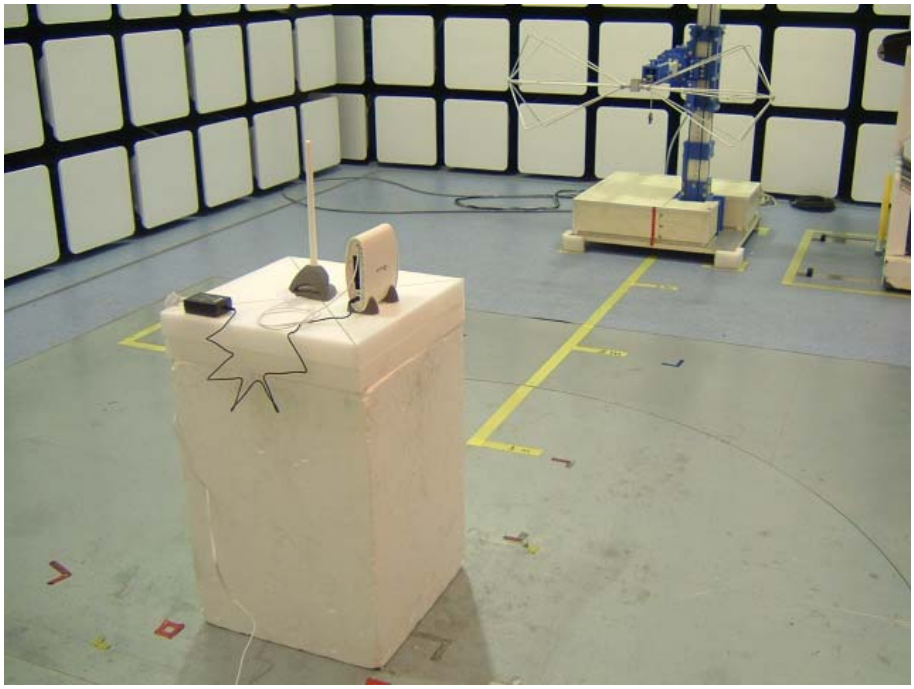
APPENDIX 1: Photographs of test setup

Spurious Emission (Radiated) WLE-HG-NDR

Front

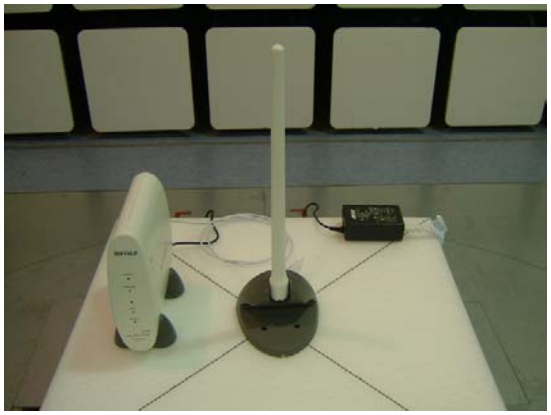


Rear

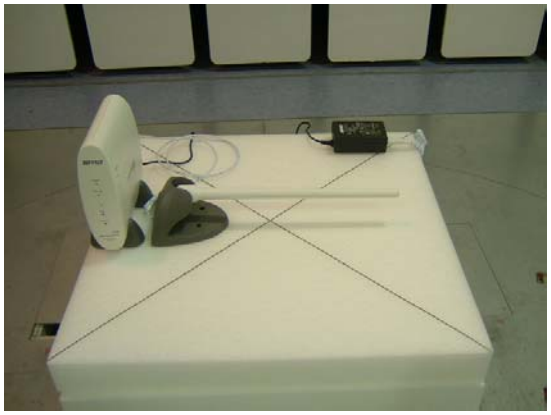


Worst Case Position (Y-axis: Vertical / X-axis: Horizontal)

X-axis



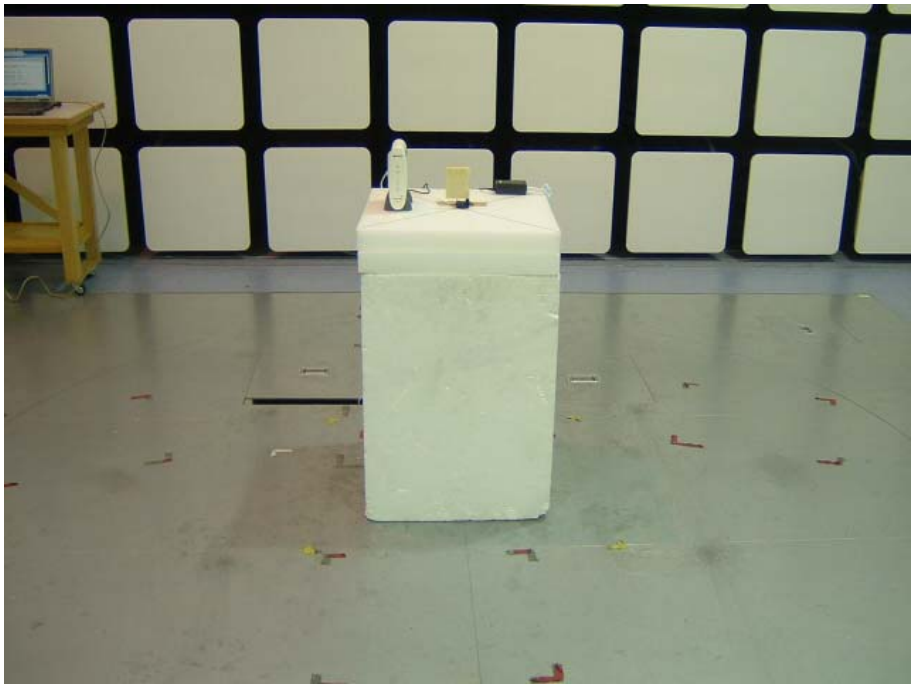
Y-axis



* EUT is used for only two positions (X-axis and Y-axis).

Spurious Emission (Radiated) WLE-MYG

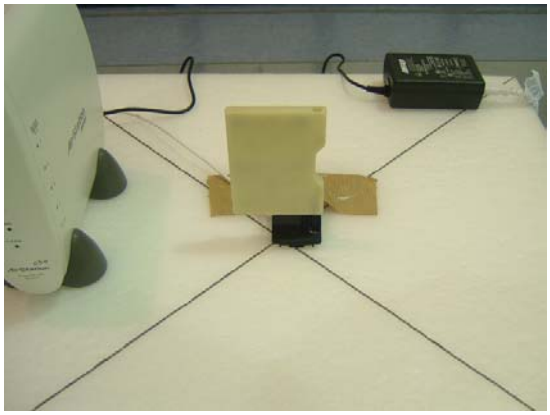
Front



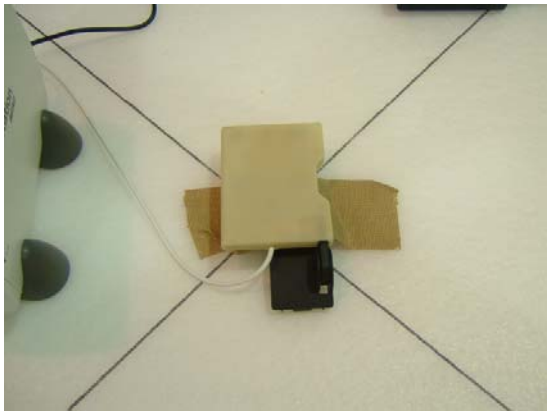
Rear

Worst Case Position (Y-axis:Horizontal / Z-axis:Vertical)

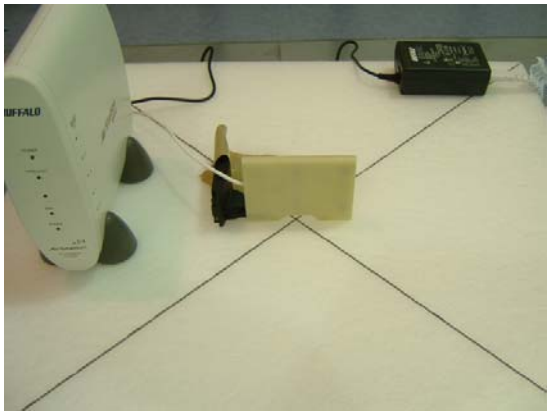
X-axis



Y-axis



Z-axis



APPENDIX 2:Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2004/04/12 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE	2004/02/03 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2003/12/16 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2003/10/15 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2003/10/15 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2004/02/24 * 12
MPA-06	Pre Amplifier	Hewlett Packard	8447D	RE	2004/08/29 * 12
MRENT-09	Spectrum Analyzer	Advantest	R3273	RE	2004/02/18 * 12
MHA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2004/01/10 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	2004/02/06 * 12
MCC-04	Microwave Cable	Storm	421-011	RE	2004/01/06 * 12
MCC-24	Microwave Cable	Storm	-	RE	2004/05/01 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2004/01/10 * 12
MHF-02	High Pass Filter	Tokimec	TF323DCA	RE	2003/09/19 * 12

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
Test Item:

RE: Radiated Spurious Emission

APPENDIX 3: Data of EMI test

Spurious emission radiated

DATA OF RADIATED EMISSION TEST

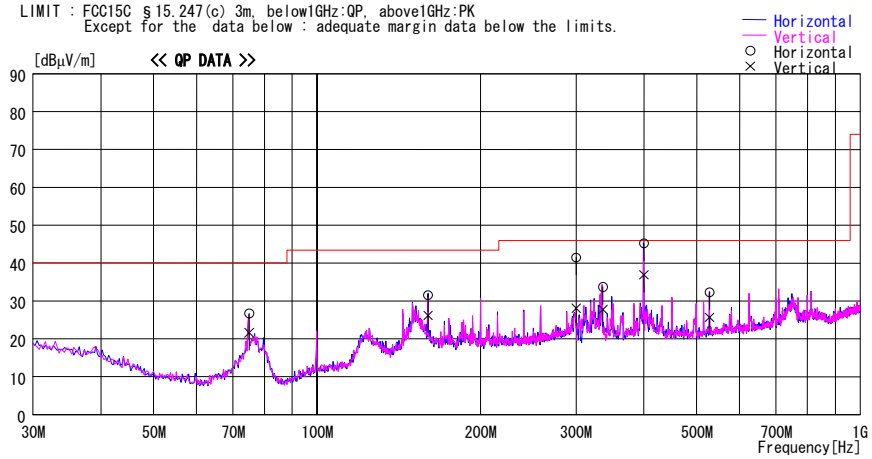
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : BUFFALO
Kind of EUT : Wireless LAN Router
Model No. : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks : Transmitting 11b Ch1

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
----- Horizontal ------								
1	74.997	40.9	6.6	6.9	27.7	26.7	40.0	13.3
2	160.140	36.1	15.2	7.6	27.3	31.6	43.5	11.9
3	300.003	46.0	14.0	8.3	26.8	41.5	46.0	4.5
4	336.003	36.8	15.5	8.4	27.0	33.7	46.0	12.3
5	400.002	45.5	18.3	8.9	27.5	45.2	46.0	0.8
6	528.082	32.4	18.7	9.4	28.2	32.3	46.0	13.7
----- Vertical ------								
7	74.997	35.8	6.6	6.9	27.7	21.6	40.0	18.4
8	160.140	30.7	15.2	7.6	27.3	26.2	43.5	17.3
9	300.003	32.6	14.0	8.3	26.8	28.1	46.0	17.9
10	336.003	30.8	15.5	8.4	27.0	27.7	46.0	18.3
11	400.002	37.2	18.3	8.9	27.5	36.9	46.0	9.1
12	528.082	25.8	18.7	9.4	28.2	25.7	46.0	20.3

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

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DATA OF RADIATED EMISSION TEST

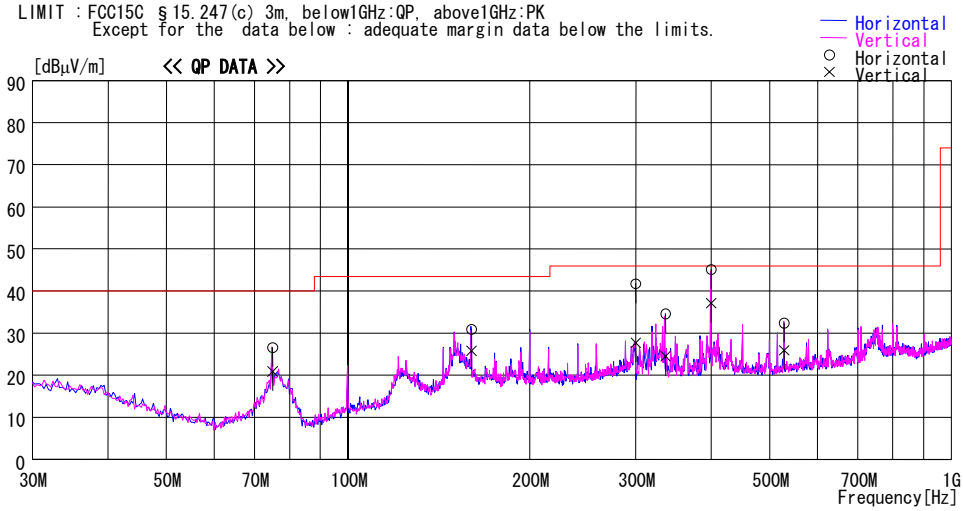
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : BUFFALO
Kind of EUT : Wireless LAN Router
Model No. : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11b Ch6

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
----- Horizontal ------								
1	74.998	40.8	6.6	6.9	27.7	26.6	40.0	13.4
2	160.140	35.4	15.2	7.6	27.3	30.9	43.5	12.6
3	300.001	46.2	14.0	8.3	26.8	41.7	46.0	4.3
4	336.002	37.7	15.5	8.4	27.0	34.6	46.0	11.4
5	400.001	45.4	18.3	8.9	27.5	45.1	46.0	0.9
6	528.083	32.5	18.7	9.4	28.2	32.4	46.0	13.6
----- Vertical ------								
7	74.998	35.1	6.6	6.9	27.7	20.9	40.0	19.1
8	160.140	30.3	15.2	7.6	27.3	25.8	43.5	17.7
9	300.001	32.2	14.0	8.3	26.8	27.7	46.0	18.3
10	336.002	27.6	15.5	8.4	27.0	24.5	46.0	21.5
11	400.001	37.4	18.3	8.9	27.5	37.1	46.0	8.9
12	528.083	26.0	18.7	9.4	28.2	25.9	46.0	20.1

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

DATA OF RADIATED EMISSION TEST

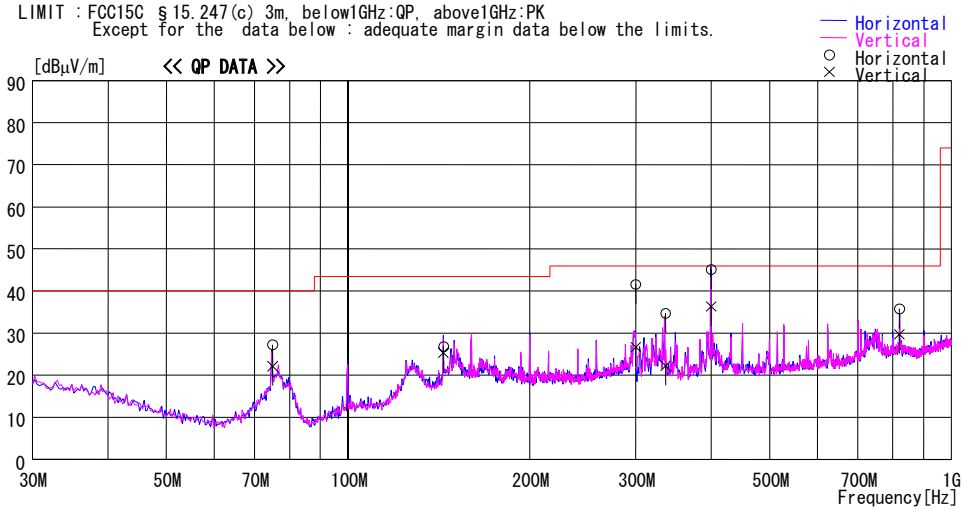
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : BUFFALO
Kind of EUT : Wireless LAN Router
Model No. : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11b Ch11

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
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1	74.999	41.4	6.6	6.9	27.7	27.2	40.0	12.8
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3	300.001	46.1	14.0	8.3	26.8	41.6	46.0	4.4
4	336.003	37.8	15.5	8.4	27.0	34.7	46.0	11.3
5	400.003	45.4	18.3	8.9	27.5	45.1	46.0	0.9
6	820.660	31.5	21.5	10.6	27.9	35.7	46.0	10.3
----- Vertical ------								
7	74.999	36.3	6.6	6.9	27.7	22.1	40.0	17.9
8	144.000	30.9	14.3	7.5	27.4	25.3	43.5	18.2
9	300.001	31.2	14.0	8.3	26.8	26.7	46.0	19.3
10	336.003	25.3	15.5	8.4	27.0	22.2	46.0	23.8
11	400.003	36.6	18.3	8.9	27.5	36.3	46.0	9.7
12	820.660	25.5	21.5	10.6	27.9	29.7	46.0	16.3

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

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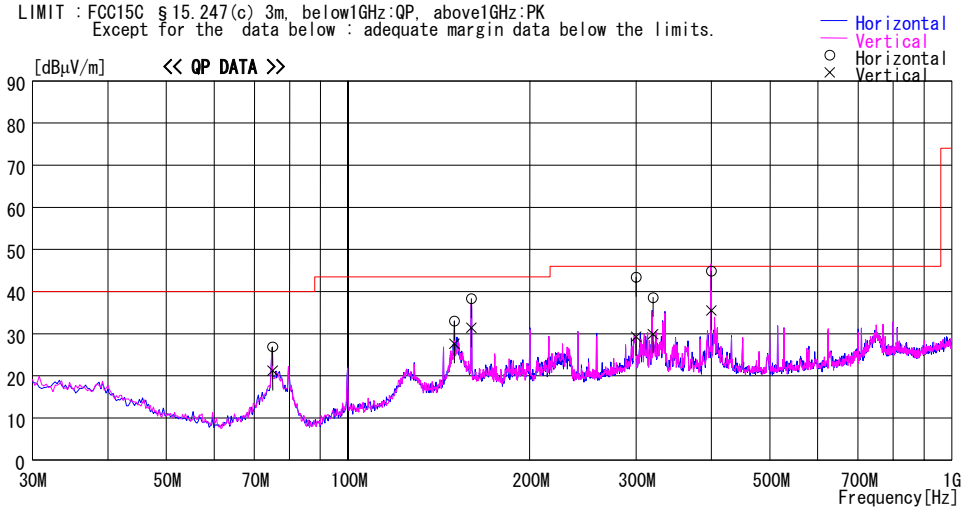
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11g Ch1

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



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1	74.997	41.1	6.6	6.9	27.7	26.9	40.0	13.1
2	149.998	38.1	14.6	7.6	27.3	33.0	43.5	10.5
3	160.000	42.8	15.2	7.6	27.3	38.3	43.5	5.2
4	300.002	47.9	14.0	8.3	26.8	43.4	46.0	2.6
5	319.995	42.2	14.9	8.4	26.9	38.6	46.0	7.4
6	400.003	45.2	18.3	8.9	27.5	44.9	46.0	1.1
----- Vertical ------								
7	74.997	35.4	6.6	6.9	27.7	21.2	40.0	18.8
8	149.998	32.7	14.6	7.6	27.3	27.6	43.5	15.9
9	160.000	35.9	15.2	7.6	27.3	31.4	43.5	12.1
10	300.002	33.8	14.0	8.3	26.8	29.3	46.0	16.7
11	319.995	33.5	14.9	8.4	26.9	29.9	46.0	16.1
12	400.003	35.8	18.3	8.9	27.5	35.5	46.0	10.5

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
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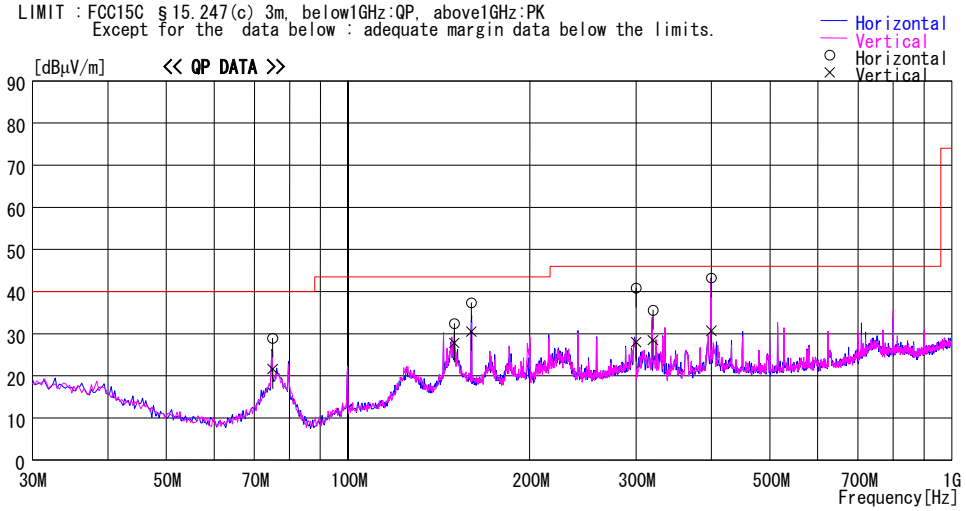
Model No. : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11g Ch6

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
----- Horizontal ------								
1	74.998	43.1	6.6	6.9	27.7	28.9	40.0	11.1
2	149.880	37.5	14.6	7.6	27.3	32.4	43.5	11.1
3	159.997	41.8	15.2	7.6	27.3	37.3	43.5	6.2
4	300.003	45.3	14.0	8.3	26.8	40.8	46.0	5.2
5	319.998	39.2	14.9	8.4	26.9	35.6	46.0	10.4
6	400.002	43.5	18.3	8.9	27.5	43.2	46.0	2.8
----- Vertical ------								
7	74.998	35.8	6.6	6.9	27.7	21.6	40.0	18.4
8	149.880	32.9	14.6	7.6	27.3	27.8	43.5	15.7
9	159.997	35.0	15.2	7.6	27.3	30.5	43.5	13.0
10	300.003	32.5	14.0	8.3	26.8	28.0	46.0	18.0
11	319.998	32.1	14.9	8.4	26.9	28.5	46.0	17.5
12	400.002	31.0	18.3	8.9	27.5	30.7	46.0	15.3

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

DATA OF RADIATED EMISSION TEST

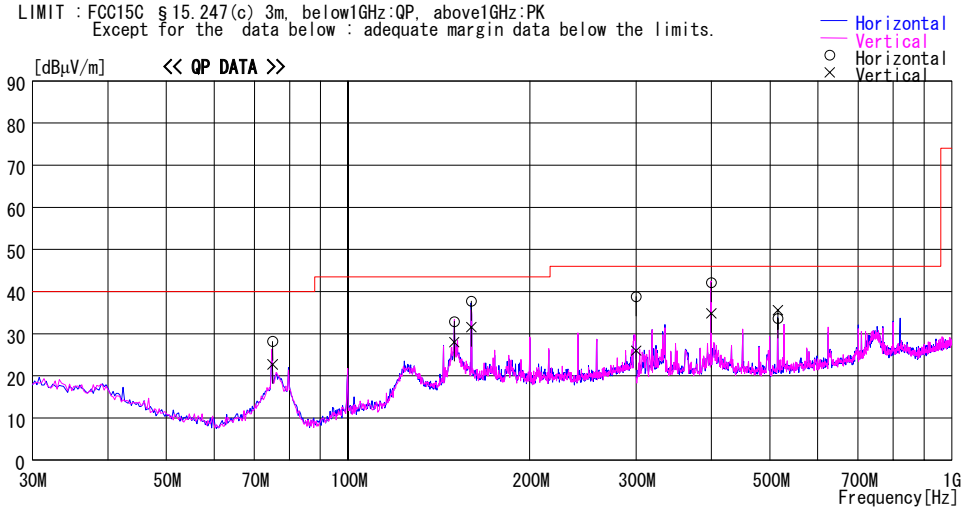
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : BUFFALO
Kind of EUT : Wireless LAN Router
Model No. : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11g Ch11

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
----- Horizontal ------								
1	74.997	42.4	6.6	6.9	27.7	28.2	40.0	11.8
2	149.880	38.0	14.6	7.6	27.3	32.9	43.5	10.6
3	159.999	42.2	15.2	7.6	27.3	37.7	43.5	5.8
4	300.002	43.3	14.0	8.3	26.8	38.8	46.0	7.2
5	400.003	42.4	18.3	8.9	27.5	42.1	46.0	3.9
6	515.449	33.9	18.5	9.4	28.2	33.6	46.0	12.4
----- Vertical ------								
7	74.997	36.9	6.6	6.9	27.7	22.7	40.0	17.3
8	149.880	33.1	14.6	7.6	27.3	28.0	43.5	15.5
9	159.999	36.1	15.2	7.6	27.3	31.6	43.5	11.9
10	300.002	30.5	14.0	8.3	26.8	26.0	46.0	20.0
11	400.003	35.1	18.3	8.9	27.5	34.8	46.0	11.2
12	515.449	35.9	18.5	9.4	28.2	35.6	46.0	10.4

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

DATA OF RADIATED EMISSION TEST

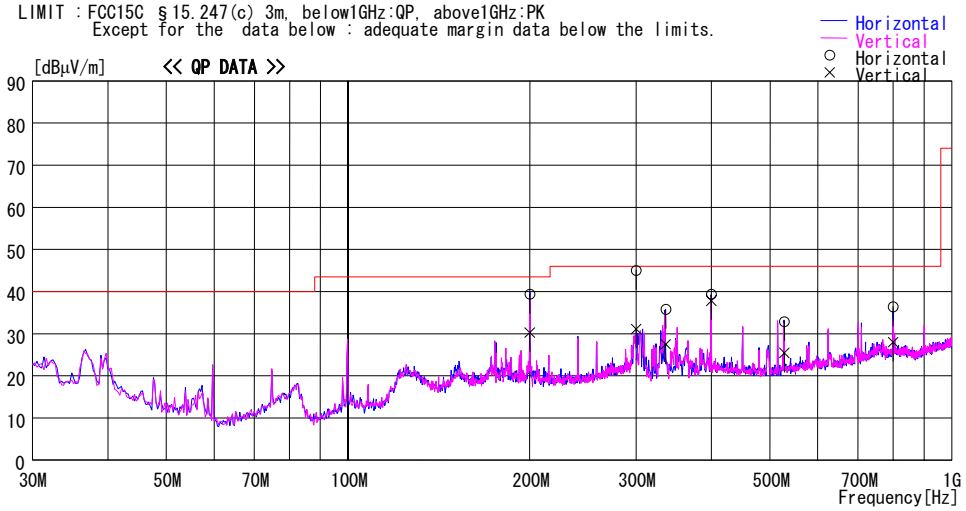
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : BUFFALO
Kind of EUT : Wireless LAN Router
Model No. : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11b Ch1

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
----- Horizontal ------								
1	200.100	41.9	16.8	7.8	27.1	39.4	43.5	4.1
2	300.001	49.5	14.0	8.3	26.8	45.0	46.0	1.0
3	336.003	38.9	15.5	8.4	27.0	35.8	46.0	10.2
4	400.003	39.7	18.3	8.9	27.5	39.4	46.0	6.6
5	528.084	33.0	18.7	9.4	28.2	32.9	46.0	13.1
6	800.006	32.2	21.6	10.5	27.9	36.4	46.0	9.6
----- Vertical ------								
7	200.100	32.8	16.8	7.8	27.1	30.3	43.5	13.2
8	300.001	35.6	14.0	8.3	26.8	31.1	46.0	14.9
9	336.003	30.6	15.5	8.4	27.0	27.5	46.0	18.5
10	400.003	38.1	18.3	8.9	27.5	37.8	46.0	8.2
11	528.084	25.5	18.7	9.4	28.2	25.4	46.0	20.6
12	800.006	23.8	21.6	10.5	27.9	28.0	46.0	18.0

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN

UL Apex Co., Ltd.
Head Office EMC Lab.
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
Telephone : +81 596 24 8116
Facsimile : +81 596 24 8124

DATA OF RADIATED EMISSION TEST

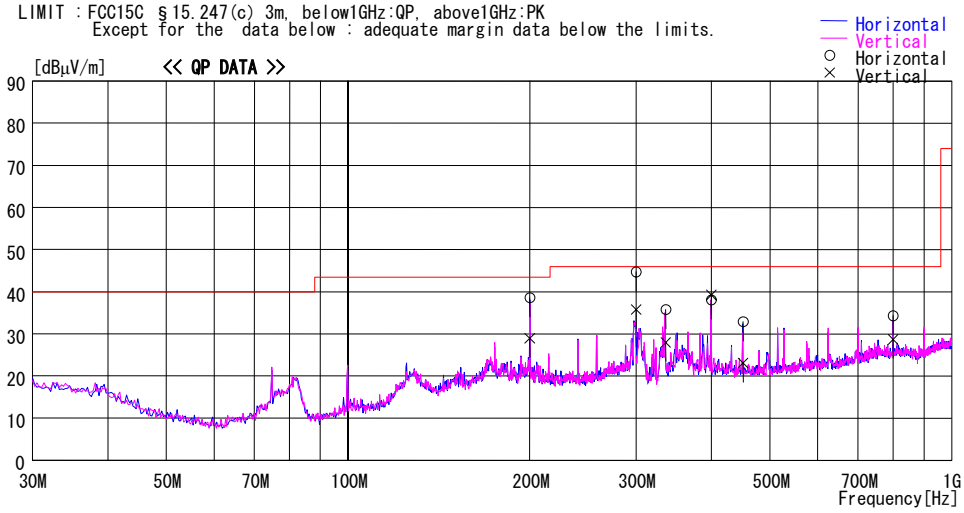
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : BUFFALO
Kind of EUT : Wireless LAN Router
Model No. : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11b Ch6

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
----- Horizontal ------								
1	200.100	41.1	16.8	7.8	27.1	38.6	43.5	4.9
2	300.002	49.2	14.0	8.3	26.8	44.7	46.0	1.3
3	336.003	38.9	15.5	8.4	27.0	35.8	46.0	10.2
4	400.003	38.4	18.3	8.9	27.5	38.1	46.0	7.9
5	451.017	33.3	18.3	9.2	27.9	32.9	46.0	13.1
6	800.007	30.1	21.6	10.5	27.9	34.3	46.0	11.7
----- Vertical ------								
7	200.100	31.5	16.8	7.8	27.1	29.0	43.5	14.5
8	300.002	40.3	14.0	8.3	26.8	35.8	46.0	10.2
9	336.003	31.1	15.5	8.4	27.0	28.0	46.0	18.0
10	400.003	39.5	18.3	8.9	27.5	39.2	46.0	6.8
11	451.017	23.5	18.3	9.2	27.9	23.1	46.0	22.9
12	800.007	24.5	21.6	10.5	27.9	28.7	46.0	17.3

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN

UL Apex Co., Ltd.
Head Office EMC Lab.
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
Telephone : +81 596 24 8116
Facsimile : +81 596 24 8124

DATA OF RADIATED EMISSION TEST

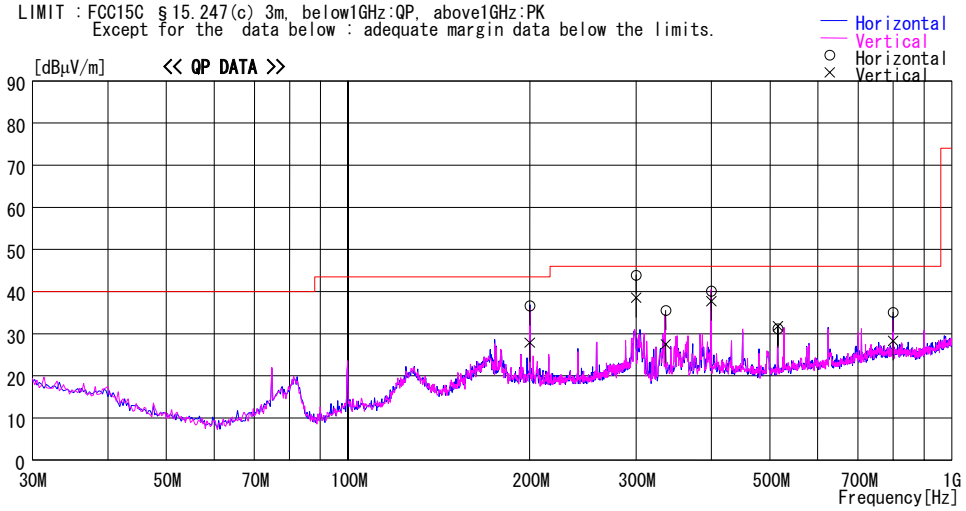
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : BUFFALO
Kind of EUT : Wireless LAN Router
Model No. : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11b Ch11

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
----- Horizontal ------								
1	200.100	39.1	16.8	7.8	27.1	36.6	43.5	6.9
2	300.002	48.4	14.0	8.3	26.8	43.9	46.0	2.1
3	336.003	38.6	15.5	8.4	27.0	35.5	46.0	10.5
4	400.003	40.4	18.3	8.9	27.5	40.1	46.0	5.9
5	515.449	31.5	18.5	9.4	28.2	31.2	46.0	14.8
6	800.006	30.9	21.6	10.5	27.9	35.1	46.0	10.9
----- Vertical ------								
7	200.100	30.4	16.8	7.8	27.1	27.9	43.5	15.6
8	300.002	43.0	14.0	8.3	26.8	38.5	46.0	7.5
9	336.003	30.6	15.5	8.4	27.0	27.5	46.0	18.5
10	400.003	38.0	18.3	8.9	27.5	37.7	46.0	8.3
11	515.449	32.1	18.5	9.4	28.2	31.8	46.0	14.2
12	800.006	24.1	21.6	10.5	27.9	28.3	46.0	17.7

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

DATA OF RADIATED EMISSION TEST

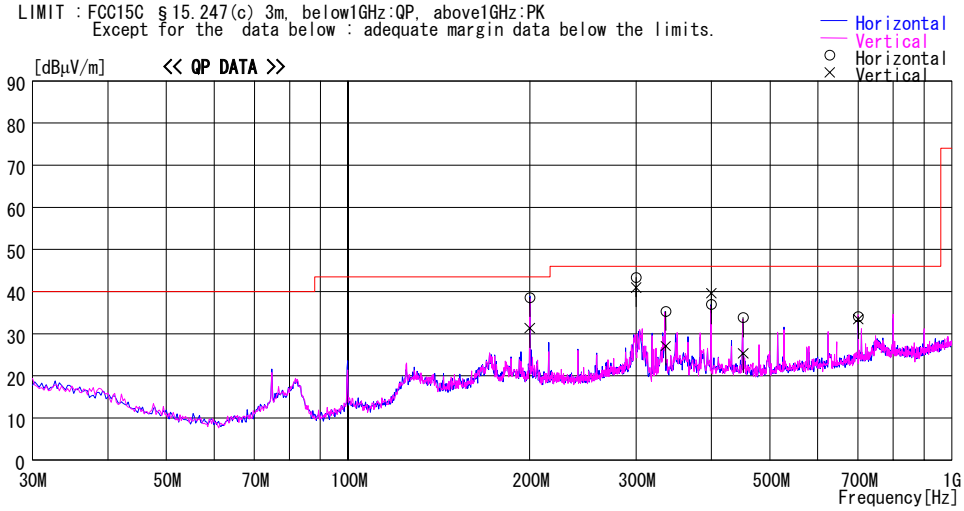
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : BUFFALO
Kind of EUT : Wireless LAN Router
Model No. : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11g Ch1

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
----- Horizontal ------								
1	200.100	41.1	16.8	7.8	27.1	38.6	43.5	4.9
2	300.005	47.8	14.0	8.3	26.8	43.3	46.0	2.7
3	336.002	38.4	15.5	8.4	27.0	35.3	46.0	10.7
4	400.003	37.2	18.3	8.9	27.5	36.9	46.0	9.1
5	451.200	34.2	18.3	9.2	27.9	33.8	46.0	12.2
6	700.407	31.9	20.1	10.2	28.1	34.1	46.0	11.9
----- Vertical ------								
7	200.100	33.8	16.8	7.8	27.1	31.3	43.5	12.2
8	300.005	45.4	14.0	8.3	26.8	40.9	46.0	5.1
9	336.002	30.2	15.5	8.4	27.0	27.1	46.0	18.9
10	400.003	39.9	18.3	8.9	27.5	39.6	46.0	6.4
11	451.200	25.7	18.3	9.2	27.9	25.3	46.0	20.7
12	700.407	31.2	20.1	10.2	28.1	33.4	46.0	12.6

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

DATA OF RADIATED EMISSION TEST

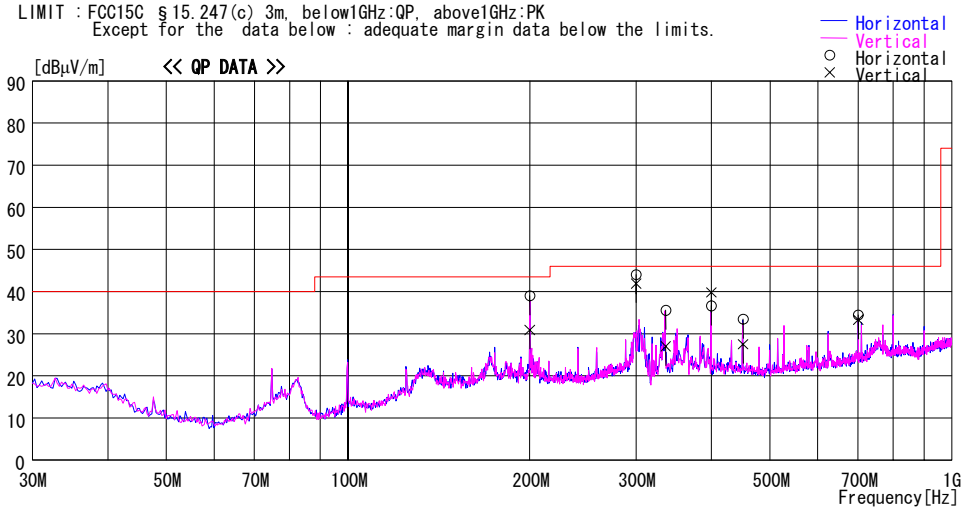
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : BUFFALO
Kind of EUT : Wireless LAN Router
Model No. : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11g Ch6

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
----- Horizontal ------								
1	200.100	41.5	16.8	7.8	27.1	39.0	43.5	4.5
2	300.002	48.5	14.0	8.3	26.8	44.0	46.0	2.0
3	336.002	38.7	15.5	8.4	27.0	35.6	46.0	10.4
4	400.003	36.9	18.3	8.9	27.5	36.6	46.0	9.4
5	451.019	33.9	18.3	9.2	27.9	33.5	46.0	12.5
6	700.407	32.3	20.1	10.2	28.1	34.5	46.0	11.5
----- Vertical ------								
7	200.100	33.4	16.8	7.8	27.1	30.9	43.5	12.6
8	300.002	46.4	14.0	8.3	26.8	41.9	46.0	4.1
9	336.002	30.1	15.5	8.4	27.0	27.0	46.0	19.0
10	400.003	40.1	18.3	8.9	27.5	39.8	46.0	6.2
11	451.019	27.9	18.3	9.2	27.9	27.5	46.0	18.5
12	700.407	31.1	20.1	10.2	28.1	33.3	46.0	12.7

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

DATA OF RADIATED EMISSION TEST

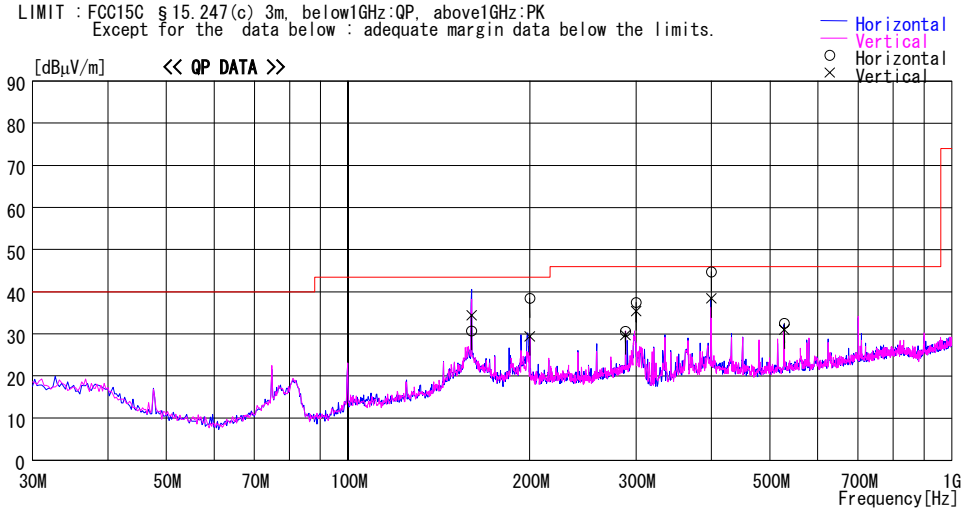
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber

Applicant : BUFFALO
Kind of EUT : Wireless LAN Router
Model No. : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803

Report No. : 25AE0088-HO
Power : AC120V / 60Hz
Temp℃/Humi% : 24deg.C / 63%
Operator : Hiroka Umeyama

Mode / Remarks: Transmitting 11g Ch11

LIMIT : FCC15C §15.247(c) 3m, below1GHz:QP, above1GHz:PK
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dBμV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dBμV/m]	LIMIT [dBμV/m]	MARGIN [dB]
----- Horizontal ------								
1	160.140	35.2	15.2	7.6	27.3	30.7	43.5	12.8
2	200.100	40.9	16.8	7.8	27.1	38.4	43.5	5.1
3	288.045	29.5	19.6	8.3	26.8	30.6	46.0	15.4
4	300.003	41.9	14.0	8.3	26.8	37.4	46.0	8.6
5	400.004	45.0	18.3	8.9	27.5	44.7	46.0	1.3
6	528.083	32.6	18.7	9.4	28.2	32.5	46.0	13.5
----- Vertical ------								
7	160.140	38.9	15.2	7.6	27.3	34.4	43.5	9.1
8	200.100	31.9	16.8	7.8	27.1	29.4	43.5	14.1
9	288.045	28.6	19.6	8.3	26.8	29.7	46.0	16.3
10	300.003	39.9	14.0	8.3	26.8	35.4	46.0	10.6
11	400.004	38.7	18.3	8.9	27.5	38.4	46.0	7.6
12	528.083	31.1	18.7	9.4	28.2	31.0	46.0	15.0

CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11g, 54Mbps, PN9, Tx 2412MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1200.0	47.7	47.9	23.0	36.9	4.4	0.0	38.2	38.4	74.0	35.8	35.6
2	2400.0	64.7	60.5	30.8	36.3	6.5	0.0	65.7	61.5	74.0	8.3	12.5
3	4824.0	43.5	47.6	35.4	36.1	9.3	1.0	53.1	57.2	74.0	20.9	16.8
4	7236.0	38.9	39.9	38.0	35.6	11.8	0.5	53.6	54.6	74.0	20.4	19.4
5	9648.0	40.4	40.8	37.5	36.3	13.9	0.5	56.0	56.4	74.0	18.0	17.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12060.0	40.5	40.5	41.1	35.7	15.5	0.0	51.9	51.9	74.0	22.1	22.1
7	14472.0	37.9	37.9	41.0	34.6	16.6	0.0	51.4	51.4	74.0	22.6	22.6
8	16884.0	40.6	40.4	46.0	35.5	18.6	0.0	60.2	60.0	74.0	13.8	14.0
9	19296.0	41.1	39.8	39.6	34.9	20.4	0.0	56.7	55.4	74.0	17.3	18.6
10	21708.0	40.6	41.9	40.7	35.3	22.1	0.0	58.7	60.0	74.0	15.4	14.1
11	24120.0	40.7	40.9	40.0	36.0	22.6	0.0	57.8	58.0	74.0	16.2	16.0

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1200.0	42.3	36.3	23.0	36.9	4.4	0.0	32.8	26.8	54.0	21.2	27.2
2	2400.0	40.2	40.1	30.8	36.3	6.5	0.0	41.2	41.1	54.0	12.8	12.9
3	4824.0	31.8	33.0	35.4	36.1	9.3	1.0	41.4	42.6	54.0	12.6	11.4
4	7236.0	30.2	30.3	38.0	35.6	11.8	0.5	44.9	45.0	54.0	9.1	9.0
5	9648.0	30.9	30.9	37.5	36.3	13.9	0.5	46.5	46.5	54.0	7.5	7.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12060.0	29.4	29.4	41.1	35.7	15.5	0.0	40.8	40.8	54.0	13.2	13.2
7	14472.0	28.0	28.2	41.0	34.6	16.6	0.0	41.5	41.7	54.0	12.5	12.3
8	16884.0	30.2	30.2	46.0	35.5	18.6	0.0	49.8	49.8	54.0	4.2	4.2
9	19296.0	29.9	30.0	39.6	34.9	20.4	0.0	45.5	45.6	54.0	8.5	8.4
10	21708.0	30.7	30.7	40.7	35.3	22.1	0.0	48.8	48.8	54.0	5.3	5.3
11	24120.0	30.5	30.4	40.0	36.0	22.6	0.0	47.6	47.5	54.0	6.4	6.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11g, 54Mbps, PN9, Tx 2437MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1200.0	48.6	45.6	23.0	36.9	4.4	0.0	39.1	36.1	74.0	34.9	37.9
2	4874.0	44.7	48.1	35.6	36.1	9.5	1.0	54.7	58.1	74.0	19.3	15.9
3	7311.0	40.2	40.4	38.1	35.7	12.0	0.5	55.1	55.3	74.0	18.9	18.7
4	9748.0	41.5	39.9	37.3	36.3	14.0	0.5	57.0	55.4	74.0	17.0	18.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	39.3	40.1	41.4	35.6	15.6	0.0	51.2	52.0	74.0	22.8	22.0
6	14622.0	37.1	38.1	41.5	34.8	16.8	0.0	51.1	52.1	74.0	22.9	21.9
7	17059.0	39.7	40.8	46.4	35.4	18.8	0.0	60.0	61.1	74.0	14.0	12.9
8	19496.0	39.7	39.4	39.2	34.9	20.6	0.0	55.1	54.8	74.0	18.9	19.2
9	21933.0	40.9	40.8	40.5	35.0	22.3	0.0	59.2	59.1	74.0	14.8	14.9
10	24370.0	41.2	41.3	40.1	36.6	22.7	0.0	57.9	58.0	74.0	16.1	16.0

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1200.0	42.3	36.3	23.0	36.9	4.4	0.0	32.8	26.8	54.0	21.2	27.2
2	4874.0	32.2	32.7	35.6	36.1	9.5	1.0	42.2	42.7	54.0	11.8	11.3
3	7311.0	30.3	30.2	38.1	35.7	12.0	0.5	45.2	45.1	54.0	8.8	8.9
4	9748.0	31.0	31.0	37.3	36.3	14.0	0.5	46.5	46.5	54.0	7.5	7.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	29.5	29.5	41.4	35.6	15.6	0.0	41.4	41.4	54.0	12.6	12.6
6	14622.0	27.9	27.9	41.5	34.8	16.8	0.0	41.9	41.9	54.0	12.1	12.1
7	17059.0	30.2	30.2	46.4	35.4	18.8	0.0	50.5	50.5	54.0	3.5	3.5
8	19496.0	29.8	29.9	39.2	34.9	20.6	0.0	45.2	45.3	54.0	8.8	8.7
9	21933.0	30.7	30.7	40.5	35.0	22.3	0.0	49.0	49.0	54.0	5.0	5.0
10	24370.0	31.1	31.1	40.1	36.6	22.7	0.0	47.8	47.8	54.0	6.2	6.2

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11g, 54Mbps, PN9, Tx 2462MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1500.0	46.6	44.2	24.1	36.5	5.0	0.0	39.2	36.8	74.0	34.8	37.2
2	2483.5	53.9	53.1	31.0	36.2	6.5	0.0	55.2	54.4	74.0	18.8	19.6
3	3282.7	44.9	42.5	31.6	36.4	7.6	0.0	47.7	45.3	74.0	26.3	28.7
4	4924.0	42.9	48.6	35.9	36.1	9.5	1.0	53.2	58.9	74.0	20.8	15.1
5	7386.0	42.1	39.7	38.3	35.7	12.0	0.5	57.2	54.8	74.0	16.8	19.2
6	9848.0	40.6	41.5	37.1	36.3	14.0	0.5	55.9	56.8	74.0	18.1	17.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
7	12310.0	39.3	40.0	41.7	35.6	15.6	0.0	51.5	52.2	74.0	22.5	21.8
8	14772.0	38.3	39.3	42.1	34.9	16.9	0.0	52.9	53.9	74.0	21.1	20.1
9	17234.0	39.7	39.9	46.7	35.3	18.9	0.0	60.5	60.7	74.0	13.5	13.3
10	19696.0	39.2	40.2	39.6	35.2	20.7	0.0	54.8	55.8	74.0	19.2	18.2
11	22158.0	40.8	40.1	40.6	35.0	22.3	0.0	59.2	58.5	74.0	14.8	15.5
12	24620.0	41.0	41.6	40.2	36.8	22.9	0.0	57.8	58.4	74.0	16.2	15.6

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1500.0	37.1	33.5	24.1	36.5	5.0	0.0	29.7	26.1	54.0	24.3	27.9
2	2483.5	37.2	35.3	31.0	36.2	6.5	0.0	38.5	36.6	54.0	15.5	17.4
3	3282.7	36.1	32.7	31.6	36.4	7.6	0.0	38.9	35.5	54.0	15.1	18.5
4	4924.0	30.9	33.3	35.9	36.1	9.5	1.0	41.2	43.6	54.0	12.8	10.4
5	7386.0	30.5	30.8	38.3	35.7	12.0	0.5	45.6	45.9	54.0	8.4	8.1
6	9848.0	31.2	31.2	37.1	36.3	14.0	0.5	46.5	46.5	54.0	7.5	7.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
7	12310.0	29.5	28.9	41.7	35.6	15.6	0.0	41.7	41.1	54.0	12.3	12.9
8	14772.0	28.8	28.8	42.1	34.9	16.9	0.0	43.4	43.4	54.0	10.6	10.6
9	17234.0	30.1	31.0	46.7	35.3	18.9	0.0	50.9	51.8	54.0	3.1	2.2
10	19696.0	30.0	30.2	39.6	35.2	20.7	0.0	45.6	45.8	54.0	8.4	8.2
11	22158.0	30.8	31.1	40.6	35.0	22.3	0.0	49.2	49.5	54.0	4.8	4.5
12	24620.0	31.1	31.9	40.2	36.8	22.9	0.0	47.9	48.7	54.0	6.1	5.3

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11b, 11Mbps, PN9, Tx 2412MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1200.0	42.8	41.4	23.0	36.9	4.4	0.0	33.3	31.9	74.0	40.7	42.1
3	2400.0	57.3	56.8	30.8	36.3	6.5	0.0	58.3	57.8	74.0	15.7	16.2
5	4824.0	46.1	49.4	35.4	36.1	9.3	1.0	55.7	59.0	74.0	18.3	15.0
6	7236.0	39.1	39.4	38.0	35.6	11.8	0.5	53.8	54.1	74.0	20.2	19.9
7	9648.0	39.8	40.2	37.5	36.3	13.9	0.5	55.4	55.8	74.0	18.6	18.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12060.0	41.1	39.2	41.1	35.7	15.5	0.0	52.5	50.6	74.0	21.5	23.4
9	14472.0	38.3	37.3	41.0	34.6	16.6	0.0	51.8	50.8	74.0	22.2	23.2
10	16884.0	39.9	41.3	46.0	35.5	18.6	0.0	59.5	60.9	74.0	14.5	13.1
11	19296.0	41.3	40.1	39.6	34.9	20.4	0.0	56.9	55.7	74.0	17.1	18.3
12	21708.0	41.1	41.4	40.7	35.3	22.1	0.0	59.1	59.4	74.0	14.9	14.6
13	24120.0	40.5	40.7	40.0	36.0	22.6	0.0	57.6	57.8	74.0	16.4	16.2

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1200.0	41.9	35.8	23.0	36.9	4.4	0.0	32.4	26.3	54.0	21.6	27.7
3	2400.0	45.8	46.7	30.8	36.3	6.5	0.0	46.8	47.7	54.0	7.2	6.3
5	4824.0	33.4	36.1	35.4	36.1	9.3	1.0	43.0	45.7	54.0	11.0	8.3
6	7236.0	30.2	30.4	38.0	35.6	11.8	0.5	44.9	45.1	54.0	9.1	8.9
7	9648.0	31.2	30.9	37.5	36.3	13.9	0.5	46.8	46.5	54.0	7.2	7.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12060.0	29.3	29.4	41.1	35.7	15.5	0.0	40.7	40.8	54.0	13.3	13.2
9	14472.0	28.1	28.1	41.0	34.6	16.6	0.0	41.6	41.6	54.0	12.4	12.4
10	16884.0	30.4	30.3	46.0	35.5	18.6	0.0	50.0	49.9	54.0	4.0	4.1
11	19296.0	30.4	29.9	39.6	34.9	20.4	0.0	46.0	45.5	54.0	8.0	8.5
12	21708.0	30.4	30.6	40.7	35.3	22.1	0.0	48.4	48.6	54.0	5.6	5.4
13	24120.0	30.4	30.5	40.0	36.0	22.6	0.0	47.5	47.6	54.0	6.5	6.4

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11b, 11Mbps, PN9, Tx 2437MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1200.0	48.5	44.3	23.0	36.9	4.4	0.0	39.0	34.8	74.0	35.0	39.2
2	4874.0	45.4	48.1	35.6	36.1	9.5	1.0	55.4	58.1	74.0	18.6	15.9
3	7311.0	38.5	39.6	38.1	35.7	12.0	0.5	53.4	54.5	74.0	20.6	19.5
4	9748.0	40.6	40.5	37.3	36.3	14.0	0.5	56.1	56.0	74.0	17.9	18.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	40.5	39.8	41.4	35.6	15.6	0.0	52.4	51.7	74.0	21.6	22.3
6	14622.0	37.9	37.7	41.5	34.8	16.8	0.0	51.9	51.7	74.0	22.1	22.3
7	17059.0	39.5	39.8	46.4	35.4	18.8	0.0	59.8	60.1	74.0	14.2	13.9
8	19496.0	39.9	40.5	39.2	34.9	20.6	0.0	55.3	55.9	74.0	18.7	18.1
9	21933.0	40.7	41.5	40.5	35.0	22.3	0.0	59.0	59.8	74.0	15.0	14.2
10	24370.0	41.1	41.2	40.1	36.6	22.7	0.0	57.8	57.9	74.0	16.2	16.1

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1200.0	41.6	35.6	23.0	36.9	4.4	0.0	32.1	26.1	54.0	21.9	27.9
2	4874.0	33.9	34.9	35.6	36.1	9.5	1.0	43.9	44.9	54.0	10.1	9.1
3	7311.0	30.2	30.3	38.1	35.7	12.0	0.5	45.1	45.2	54.0	8.9	8.8
4	9748.0	31.1	31.0	37.3	36.3	14.0	0.5	46.6	46.5	54.0	7.4	7.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	29.5	29.9	41.4	35.6	15.6	0.0	41.4	41.8	54.0	12.6	12.2
6	14622.0	27.7	28.2	41.5	34.8	16.8	0.0	41.7	42.2	54.0	12.3	11.8
7	17059.0	31.1	31.0	46.4	35.4	18.8	0.0	51.4	51.3	54.0	2.6	2.7
8	19496.0	30.0	29.9	39.2	34.9	20.6	0.0	45.4	45.3	54.0	8.6	8.7
9	21933.0	30.3	30.5	40.5	35.0	22.3	0.0	48.6	48.8	54.0	5.4	5.2
10	24370.0	32.2	32.1	40.1	36.6	22.7	0.0	48.9	48.8	54.0	5.1	5.2

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-MYG
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11b, 11Mbps, PN9, Tx 2462MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1500.0	45.9	45.5	24.1	36.5	5.0	0.0	38.5	38.1	74.0	35.5	35.9
2	2483.5	52.4	47.9	31.0	36.2	6.5	0.0	53.7	49.2	74.0	20.3	24.8
2	3282.7	44.9	43.4	31.6	36.4	7.6	0.0	47.7	46.2	74.0	26.3	27.8
3	4924.0	42.9	48.1	35.9	36.1	9.5	1.0	53.2	58.4	74.0	20.8	15.6
4	7386.0	42.1	39.9	38.3	35.7	12.0	0.5	57.2	55.0	74.0	16.8	19.0
5	9848.0	40.6	39.3	37.1	36.3	14.0	0.5	55.9	54.6	74.0	18.1	19.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12310.0	39.4	39.7	41.7	35.6	15.6	0.0	51.6	51.9	74.0	22.4	22.1
7	14772.0	38.5	38.7	42.1	34.9	16.9	0.0	53.1	53.3	74.0	20.9	20.7
8	17234.0	39.7	40.2	46.7	35.3	18.9	0.0	60.5	61.0	74.0	13.5	13.0
9	19696.0	39.2	40.4	39.6	35.2	20.7	0.0	54.8	56.0	74.0	19.2	18.0
10	22158.0	41.3	40.5	40.6	35.0	22.3	0.0	59.7	58.9	74.0	14.3	15.1
11	24620.0	41.9	41.7	40.2	36.8	22.9	0.0	58.7	58.5	74.0	15.3	15.5

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1500.0	37.5	33.4	24.1	36.5	5.0	0.0	30.1	26.0	54.0	23.9	28.0
2	2483.5	36.8	35.3	31.0	36.2	6.5	0.0	38.1	36.6	54.0	15.9	17.4
2	3282.7	35.9	32.8	31.6	36.4	7.6	0.0	38.7	35.6	54.0	15.3	18.4
3	4924.0	32.2	35.5	35.9	36.1	9.5	1.0	42.5	45.8	54.0	11.5	8.2
4	7386.0	42.1	30.8	38.3	35.7	12.0	0.5	57.2	45.9	54.0	-3.2	8.1
5	9848.0	31.2	31.3	37.1	36.3	14.0	0.5	46.5	46.6	54.0	7.5	7.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12310.0	29.6	29.5	41.7	35.6	15.6	0.0	41.8	41.7	54.0	12.2	12.3
7	14772.0	28.7	28.7	42.1	34.9	16.9	0.0	43.3	43.3	54.0	10.7	10.7
8	17234.0	30.5	30.4	46.7	35.3	18.9	0.0	51.3	51.2	54.0	2.7	2.8
9	19696.0	29.9	29.7	39.6	35.2	20.7	0.0	45.5	45.3	54.0	8.5	8.7
10	22158.0	30.9	30.7	40.6	35.0	22.3	0.0	49.3	49.1	54.0	4.7	4.9
11	24620.0	31.6	31.5	40.2	36.8	22.9	0.0	48.4	48.3	54.0	5.6	5.7

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11g, 54Mbps, PN9, Tx 2412MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2159.5	44.3	40.2	30.5	36.3	5.2	0.0	43.7	39.6	74.0	30.3	34.4
2	2400.0	59.1	64.3	30.7	36.3	5.6	0.0	59.1	64.3	74.0	14.9	9.7
3	3216.0	43.3	45.7	31.8	36.4	6.5	0.0	45.2	47.6	74.0	28.8	26.4
4	4824.0	38.5	35.8	35.2	36.1	8.0	1.0	46.6	43.9	74.0	27.4	30.1
5	7236.0	34.1	33.1	37.7	35.6	10.1	0.5	46.8	45.8	74.0	27.2	28.2
6	9648.0	34.2	33.8	37.1	36.3	11.9	0.5	47.4	47.0	74.0	26.6	27.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
7	12060.0	40.1	40.5	41.1	35.7	15.5	0.0	51.5	51.9	74.0	22.5	22.1
8	14472.0	38.1	37.9	41.0	34.6	16.6	0.0	51.6	51.4	74.0	22.4	22.6
9	16884.0	40.5	40.4	46.0	35.5	18.6	0.0	60.1	60.0	74.0	13.9	14.0
10	19296.0	40.1	39.8	39.6	34.9	20.4	0.0	55.7	55.4	74.0	18.3	18.6
11	21708.0	40.3	41.9	40.7	35.3	22.1	0.0	58.4	60.0	74.0	15.7	14.1
12	24120.0	41.0	41.1	40.0	36.0	22.6	0.0	58.1	58.2	74.0	15.9	15.8

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2159.5	29.6	25.6	30.5	36.3	5.2	0.0	29.0	25.0	54.0	25.0	29.0
2	2400.0	43.1	46.3	30.7	36.3	5.6	0.0	43.1	46.3	54.0	10.9	7.7
3	3216.0	36.4	40.1	31.8	36.4	6.5	0.0	38.3	42.0	54.0	15.7	12.0
4	4824.0	22.6	21.8	35.2	36.1	8.0	1.0	30.7	29.9	54.0	23.3	24.1
5	7236.0	22.0	22.0	37.7	35.6	10.1	0.5	34.7	34.7	54.0	19.3	19.3
6	9648.0	22.1	22.1	37.1	36.3	11.9	0.5	35.3	35.3	54.0	18.7	18.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
7	12060.0	29.5	29.5	41.1	35.7	15.5	0.0	40.9	40.9	54.0	13.1	13.1
8	14472.0	29.5	28.1	41.0	34.6	16.6	0.0	43.0	41.6	54.0	11.0	12.4
9	16884.0	29.5	30.1	46.0	35.5	18.6	0.0	49.1	49.7	54.0	4.9	4.3
10	19296.0	30.3	30.1	39.6	34.9	20.4	0.0	45.9	45.7	54.0	8.1	8.3
11	21708.0	30.7	30.7	40.7	35.3	22.1	0.0	48.8	48.8	54.0	5.3	5.3
12	24120.0	30.5	30.4	40.0	36.0	22.6	0.0	47.6	47.5	54.0	6.4	6.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11g, 54Mbps, PN9, Tx 2437MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	3249.3	40.2	35.3	31.8	36.4	6.5	0.0	42.1	37.2	74.0	31.9	36.8
2	4874.0	34.2	34.5	35.4	36.1	8.0	1.0	42.5	42.8	74.0	31.5	31.2
3	7311.0	33.2	33.7	37.9	35.7	10.2	0.5	46.1	46.6	74.0	27.9	27.4
4	9748.0	33.5	33.9	37.1	36.3	12.0	0.5	46.8	47.2	74.0	27.2	26.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	39.8	39.0	41.4	35.6	15.6	0.0	51.7	50.9	74.0	22.3	23.1
6	14622.0	38.0	38.9	41.5	34.8	16.8	0.0	52.0	52.9	74.0	22.0	21.1
7	17059.0	40.4	39.9	46.4	35.4	18.8	0.0	60.7	60.2	74.0	13.3	13.8
8	19496.0	40.2	40.2	39.2	34.9	20.6	0.0	55.6	55.6	74.0	18.4	18.4
9	21933.0	40.6	40.3	40.5	35.0	22.3	0.0	58.9	58.6	74.0	15.1	15.4
10	24370.0	41.6	40.9	40.1	36.6	22.7	0.0	58.3	57.6	74.0	15.7	16.4

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	3249.3	30.8	27.6	31.8	36.4	6.5	0.0	32.7	29.5	54.0	21.3	24.5
2	4874.0	21.7	21.6	35.4	36.1	8.0	1.0	30.0	29.9	54.0	24.0	24.1
3	7311.0	22.1	22.2	37.9	35.7	10.2	0.5	35.0	35.1	54.0	19.0	18.9
4	9748.0	21.9	21.9	37.1	36.3	12.0	0.5	35.2	35.2	54.0	18.8	18.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	29.5	30.2	41.4	35.6	15.6	0.0	41.4	42.1	54.0	12.6	11.9
6	14622.0	29.7	30.1	41.5	34.8	16.8	0.0	43.7	44.1	54.0	10.3	9.9
7	17059.0	30.4	29.9	46.4	35.4	18.8	0.0	50.7	50.2	54.0	3.3	3.8
8	19496.0	29.8	30.3	39.2	34.9	20.6	0.0	45.2	45.7	54.0	8.8	8.3
9	21933.0	30.6	30.3	40.5	35.0	22.3	0.0	48.9	48.6	54.0	5.1	5.4
10	24370.0	31.2	31.5	40.1	36.6	22.7	0.0	47.9	48.2	54.0	6.1	5.8

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11g, 54Mbps, PN9, Tx 2462MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2201.7	43.1	41.5	30.5	36.3	5.4	0.0	42.7	41.1	74.0	31.3	32.9
2	2483.5	56.2	57.2	30.8	36.2	5.6	0.0	56.4	57.4	74.0	17.6	16.6
3	4924.0	37.1	33.8	35.7	36.1	8.2	1.0	45.9	42.6	74.0	28.1	31.4
4	7386.0	34.2	33.9	38.1	35.7	10.3	0.5	47.4	47.1	74.0	26.6	26.9
5	9848.0	33.1	34.1	37.0	36.3	12.0	0.5	46.3	47.3	74.0	27.7	26.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12310.0	40.8	40.1	41.7	35.6	15.6	0.0	53.0	52.3	74.0	21.0	21.7
7	14772.0	38.3	39.5	42.1	34.9	16.9	0.0	52.9	54.1	74.0	21.1	19.9
8	17234.0	39.5	40.2	46.7	35.3	18.9	0.0	60.3	61.0	74.0	13.7	13.0
9	19696.0	39.8	39.5	39.6	35.2	20.7	0.0	55.4	55.1	74.0	18.6	18.9
10	22158.0	40.4	40.6	40.6	35.0	22.3	0.0	58.8	59.0	74.0	15.2	15.0
11	24620.0	41.5	42.6	40.2	36.8	22.9	0.0	58.3	59.4	74.0	15.7	14.6

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2201.7	28.1	26.1	30.5	36.3	5.4	0.0	27.7	25.7	54.0	26.3	28.3
2	2483.5	37.8	37.8	30.8	36.2	5.6	0.0	38.0	38.0	54.0	16.0	16.0
3	4924.0	22.3	21.8	35.7	36.1	8.2	1.0	31.1	30.6	54.0	22.9	23.4
4	7386.0	22.2	22.4	38.1	35.7	10.3	0.5	35.4	35.6	54.0	18.6	18.4
5	9848.0	22.0	21.9	37.0	36.3	12.0	0.5	35.2	35.1	54.0	18.8	18.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12310.0	29.6	29.7	41.7	35.6	15.6	0.0	41.8	41.9	54.0	12.2	12.1
7	14772.0	28.7	28.7	42.1	34.9	16.9	0.0	43.3	43.3	54.0	10.7	10.7
8	17234.0	30.6	30.4	46.7	35.3	18.9	0.0	51.4	51.2	54.0	2.6	2.8
9	19696.0	29.8	29.8	39.6	35.2	20.7	0.0	45.4	45.4	54.0	8.6	8.6
10	22158.0	30.8	30.8	40.6	35.0	22.3	0.0	49.2	49.2	54.0	4.8	4.8
11	24620.0	31.6	31.7	40.2	36.8	22.9	0.0	48.4	48.5	54.0	5.6	5.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11b, 11Mbps, PN9, Tx 2412MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1200.0	39.8	44.6	23.1	36.9	3.8	0.0	29.8	34.6	74.0	44.2	39.4
2	2170.3	44.2	39.2	30.5	36.3	5.3	0.0	43.7	38.7	74.0	30.3	35.3
3	2400.0	56.8	61.3	30.7	36.3	5.6	0.0	56.8	61.3	74.0	17.2	12.7
4	3215.9	43.3	45.2	31.8	36.4	6.5	0.0	45.2	47.1	74.0	28.8	26.9
5	4824.0	40.7	36.5	35.2	36.1	8.0	1.0	48.8	44.6	74.0	25.2	29.4
6	7236.0	33.8	34.1	37.7	35.6	10.1	0.5	46.5	46.8	74.0	27.5	27.2
7	9648.0	33.5	35.1	37.1	36.3	11.9	0.5	46.7	48.3	74.0	27.3	25.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12060.0	39.4	40.2	41.1	35.7	15.5	0.0	50.8	51.6	74.0	23.2	22.4
9	14472.0	38.0	36.8	41.0	34.6	16.6	0.0	51.5	50.3	74.0	22.5	23.7
10	16884.0	39.7	39.9	46.0	35.5	18.6	0.0	59.3	59.5	74.0	14.7	14.5
11	19296.0	39.3	39.4	39.6	34.9	20.4	0.0	54.9	55.0	74.0	19.1	19.0
12	21708.0	41.5	41.3	40.7	35.3	22.1	0.0	59.5	59.3	74.0	14.5	14.7
13	24120.0	41.7	41.8	40.0	36.0	22.6	0.0	58.8	58.9	74.0	15.2	15.1

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1200.0	29.2	38.1	23.1	36.9	3.8	0.0	19.2	28.1	54.0	34.8	25.9
2	2170.3	31.5	27.2	30.5	36.3	5.3	0.0	31.0	26.7	54.0	23.0	27.3
3	2400.0	43.8	48.7	30.7	36.3	5.6	0.0	43.8	48.7	54.0	10.2	5.3
4	3215.9	38.8	42.8	31.8	36.4	6.5	0.0	40.7	44.7	54.0	13.3	9.3
5	4824.0	25.3	32.1	35.2	36.1	8.0	1.0	33.4	40.2	54.0	20.6	13.8
6	7236.0	22.1	22.0	37.7	35.6	10.1	0.5	34.8	34.7	54.0	19.2	19.3
7	9648.0	22.3	22.8	37.1	36.3	11.9	0.5	35.5	36.0	54.0	18.5	18.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12060.0	29.5	29.4	41.1	35.7	15.5	0.0	40.9	40.8	54.0	13.1	13.2
9	14472.0	29.4	28.1	41.0	34.6	16.6	0.0	42.9	41.6	54.0	11.1	12.4
10	16884.0	30.2	30.0	46.0	35.5	18.6	0.0	49.8	49.6	54.0	4.2	4.4
11	19296.0	29.9	29.9	39.6	34.9	20.4	0.0	45.5	45.5	54.0	8.5	8.5
12	21708.0	30.7	31.0	40.7	35.3	22.1	0.0	48.7	49.0	54.0	5.3	5.0
13	24120.0	30.5	30.4	40.0	36.0	22.6	0.0	47.6	47.5	54.0	6.4	6.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11b, 11Mbps, PN9, Tx 2437MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	3249.4	36.5	36.8	31.8	36.4	6.5	0.0	38.4	38.7	74.0	35.6	35.3
2	4874.0	35.1	36.3	35.4	36.1	8.0	1.0	43.4	44.6	74.0	30.6	29.4
3	7311.0	34.1	33.9	37.9	35.7	10.2	0.5	47.0	46.8	74.0	27.0	27.2
4	9748.0	33.7	34.2	37.1	36.3	12.0	0.5	47.0	47.5	74.0	27.0	26.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	39.5	38.8	41.4	35.6	15.6	0.0	51.4	50.7	74.0	22.6	23.3
6	14622.0	37.7	38.6	41.5	34.8	16.8	0.0	51.7	52.6	74.0	22.3	21.4
7	17059.0	41.3	40.4	46.4	35.4	18.8	0.0	61.6	60.7	74.0	12.4	13.3
8	19496.0	39.8	40.2	39.2	34.9	20.6	0.0	55.2	55.6	74.0	18.8	18.4
9	21933.0	41.1	40.3	40.5	35.0	22.3	0.0	59.4	58.6	74.0	14.6	15.4
10	24370.0	41.9	40.8	40.1	36.6	22.7	0.0	58.6	57.5	74.0	15.4	16.5

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	3249.4	27.6	26.9	31.8	36.4	6.5	0.0	29.5	28.8	54.0	24.5	25.2
2	4874.0	22.3	22.3	35.4	36.1	8.0	1.0	30.6	30.6	54.0	23.4	23.4
3	7311.0	22.1	22.0	37.9	35.7	10.2	0.5	35.0	34.9	54.0	19.0	19.1
4	9748.0	21.8	22.8	37.1	36.3	12.0	0.5	35.1	36.1	54.0	18.9	17.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	29.4	29.4	41.4	35.6	15.6	0.0	41.3	41.3	54.0	12.7	12.7
6	14622.0	29.3	27.9	41.5	34.8	16.8	0.0	43.3	41.9	54.0	10.7	12.1
7	17059.0	30.2	30.2	46.4	35.4	18.8	0.0	50.5	50.5	54.0	3.5	3.5
8	19496.0	29.7	30.0	39.2	34.9	20.6	0.0	45.1	45.4	54.0	8.9	8.6
9	21933.0	30.6	31.1	40.5	35.0	22.3	0.0	48.9	49.4	54.0	5.1	4.6
10	24370.0	31.1	31.5	40.1	36.6	22.7	0.0	47.8	48.2	54.0	6.2	5.8

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : BUFFALO
Equipment : Wireless LAN Router
Model : WBR2-G54 / WLE-HG-NDR
Sample No. : 34059644819803
Power : AC120V / 60Hz
Mode : 11b, 11Mbps, PN9, Tx 2462MHz

REPORT NO : 25AE0088-HO
REGULATION : Fcc Part15 Subpart C 15.247(b)(3)
TEST DISTANCE : 3/1m
DATE : 09/01/2004
TEMPERATURE : 26deg.C
HUMIDITY : 57%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2322.6	43.1	43.8	30.6	36.3	5.4	0.0	42.8	43.5	74.0	31.2	30.5
2	2483.5	56.2	53.1	30.8	36.2	5.6	0.0	56.4	53.3	74.0	17.6	20.7
3	4924.0	38.1	36.4	35.4	36.1	8.2	1.0	46.6	44.9	74.0	27.4	29.1
4	7386.0	34.1	33.9	38.1	35.7	10.3	0.5	47.3	47.1	74.0	26.7	26.9
5	9848.0	34.2	34.0	37.0	36.3	12.0	0.5	47.4	47.2	74.0	26.6	26.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12310.0	40.5	39.9	41.7	35.6	15.6	0.0	52.7	52.1	74.0	21.3	21.9
7	14772.0	38.3	40.0	42.1	34.9	16.9	0.0	52.9	54.6	74.0	21.1	19.4
8	17234.0	39.4	40.1	46.7	35.3	18.9	0.0	60.2	60.9	74.0	13.8	13.1
9	19696.0	40.0	39.1	39.6	35.2	20.7	0.0	55.6	54.7	74.0	18.4	19.3
10	22158.0	40.9	40.4	40.6	35.0	22.3	0.0	59.3	58.8	74.0	14.7	15.2
11	24620.0	41.1	41.3	40.2	36.8	22.9	0.0	57.9	58.1	74.0	16.1	15.9

AV DETECT (RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2322.6	28.1	31.3	30.6	36.3	5.4	0.0	27.8	31.0	54.0	26.2	23.0
2	2483.5	37.8	37.1	30.8	36.2	5.6	0.0	38.0	37.3	54.0	16.0	16.7
3	4924.0	23.7	23.3	35.4	36.1	8.2	1.0	32.2	31.8	54.0	21.8	22.2
4	7386.0	22.3	22.4	38.1	35.7	10.3	0.5	35.5	35.6	54.0	18.5	18.4
5	9848.0	22.9	22.5	37.0	36.3	12.0	0.5	36.1	35.7	54.0	17.9	18.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12310.0	30.0	29.4	41.7	35.6	15.6	0.0	42.2	41.6	54.0	11.8	12.4
7	14772.0	29.0	29.1	42.1	34.9	16.9	0.0	43.6	43.7	54.0	10.4	10.3
8	17234.0	29.2	30.5	46.7	35.3	18.9	0.0	50.0	51.3	54.0	4.0	2.7
9	19696.0	30.1	29.6	39.6	35.2	20.7	0.0	45.7	45.2	54.0	8.3	8.8
10	22158.0	30.5	30.7	40.6	35.0	22.3	0.0	48.9	49.1	54.0	5.1	4.9
11	24620.0	30.9	31.6	40.2	36.8	22.9	0.0	47.7	48.4	54.0	6.3	5.6

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
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