



RADIO TEST REPORT

Test Report No. : AF07023-A

Applicant : **Sony Corporation**
Type of Equipment : **Wireless LAN Module**
Model No. : **CAWM-001**
FCC ID : **AK814798212X**
Test Standard : **FCC Part15 Subpart C: 2006**
FCC Part15 Subpart B: 2006
Test Result : **Complied**

1. This test report shall not be reproduced except in full, 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 the above regulation.
4. The test results in this test report are traceable to the national or international standards.

Date of test: March 12, 17 and 19-22, 2007

Tested by: T. Arai & F. Matsuo
Tatsuya Arai & Fumiaki Matsuo

Approved by: O. Watatani
Osamu Watatani
Manager of Yamakita EMC Lab.

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907 Kawanishi, Yamakita-machi, Ashigarakami-gun, Kanagawa-ken, 258-0124 JAPAN

Telephone: +81 465 77 1011 Facsimile: +81 465 77 2112

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1 Applicant Information

Company Name : Sony Corporation
Address : 8-4, Shiomi, Kisarazu-shi, Chiba-ken,292-0834 JAPAN
Telephone Number : +81-438-37-3982
Facsimile Number : +81-438-37-4705
Contact Person : Kazuhiko.Nagano

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

2.1 Identification of E.U.T.

Type of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Rating : DC3.3V
Country of Manufacture : Malaysia
Receipt Date of Sample : March 16, 2007
Condition of EUT : Engineering prototype
(Not for Sale: This sample is equivalent to mass-produced items.)
Modification of EUT : No modification by the test lab.

2.2 Product Description

Model: CAWM-001 (referred to as the EUT in this report) is a Wireless LAN Module.

Equipment type : Transceiver
Frequency of operation : 2412-2462MHz
Clock frequency : Ether ASIC: 24.576MHz, 22.5792MHz
PHY: 25MHz
OSD: 18MHz, 17.73448MHz, 14.31818MHz
Micro computer: 5MHz
Bandwidth & channel spacing : 22MHz & 1MHz
Type of modulation : DSSS, OFDM
Antenna type : Monopole
Antenna connector type : U-FL-LP(V)-040
Antenna gain (with cable loss) : Main: 0.37dBi max, Sub: 0.04dBi max
ITU code : G1D, D1D
Operation temperature range : 0 ~ +55 deg.C. (Transmitter), 0 ~ +35 deg.C. (Receiver)

FCC 15.31 (e)

The EUT is equipped on the product of Sony Corporation.

The Sony product provides stable voltage (DC3.3V) constantly to the EUT (RF Module) regardless of input voltage. Therefore, the EUT complies with the requirement.

FCC Part 15.203

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the end product of Sony Corporation. Therefore, the equipment complies with the antenna requirement of Section 15.203.

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3 Test Specification, Procedures and Results

3.1 Test specification

Test specification : FCC Part15 Subpart C: 2006
 Title : FCC 47CFR Part15 Radio Frequency Device Subpart C Intentional Radiators
 Section 15.207 Conducted limits
 Section 15.209 Radiated emission limits, general requirements
 Section 15.247 Operation within the bands 902-928MHz, 2400-2483.5MHz,
 and 5725-5850MHz

Test Specification : FCC Part 15 Subpart B: 2006
 Title : FCC 47CFR Part 15 Radio Frequency Device
 Subpart B Unintentional Radiators

3.2 Procedures & Results

Item	Test Procedure	Specification	Remarks	Deviation	Worst Margin	Results
Conducted Emission	ANSI C63.4:2003 7. AC powerline conducted emission measurements	Section 15.207	-	N/A	7.4dB (0.15MHz, Tx 2412MHz, QP, Main antenna)	Complied
6dB Bandwidth	ANSI C63.4:2003 13. Measurement of intentional radiators	Section 15.247 (a)(2) & 15.209	Conducted	N/A	-	Complied
Maximum Peak Output Power	ANSI C63.4:2003 13. Measurement of intentional radiators	Section 15.247 (b)(3) & 15.209	Conducted	N/A	-	Complied
Out of Band Emission & Restricted Band Edges	ANSI C63.4:2003 13. Measurement of intentional radiators	Section 15.247 (d) & 15.209	Conducted / Radiated	N/A	Tx: 4.6dB (9648.00MHz, Vertical, Tx 2412MHz, IEEE802.11b (11Mbps), Main antenna) Rx: 6.6dB (360.00MHz, Horizontal, Rx 2437MHz, IEEE802.11g (54Mbps), Main antenna)	Complied
Power Density	ANSI C63.4:2003 13. Measurement of intentional radiators	Section 15.247 (e) & 15.209	Conducted	N/A	-	Complied

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

These tests were also referred to "Guidance on Measurement for Digital Transmission Systems Section15.247".

* Other than mentioned in 3.3, no addition, exclusion nor deviation has been made from the standard.

3.3 Addition to standard

Item	Test Procedure	Specification	Remarks	Worst Margin	Results
Occupied Bandwidth (99%)	ANSI C63.4:2003 13. Measurement of intentional radiators RSS-Gen 4.4.1	RSS-Gen 4.4.1	Conducted	-	Complied

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3.4 Uncertainty

Conducted emission

The measurement uncertainty (with 95% confidence level) for this test is ± 2.7 dB.
 The data listed in this test report has enough margin, more than site margin.

Antenna port conducted test

The measurement uncertainty (with 95% confidence level) for this test is ± 0.4 dB.

Spurious emission test (Radiated)

The measurement uncertainty (with 95% confidence level) for this test using Biconical antenna is ± 4.5 dB.
 The measurement uncertainty (with 95% confidence level) for this test using Logperiodic antenna is ± 4.3 dB.
 The measurement uncertainty (with 95% confidence level) for this test using Horn antenna is ± 5.2 dB.
 The data listed in this report meets the limits unless the uncertainty is taken into consideration.

3.5 Test Location

UL Apex Co., Ltd. Yamakita EMC Lab.
 907, Kawanishi, Yamakita-machi, Ashigarakami-gun, Kanagawa-ken 258-0124 JAPAN
 Telephone number : +81 465 77 1011
 Facsimile number : +81 465 77 2112
 NVLAP Lab. code : 200441-0

No. 1 test site has been fully described in a report submitted to FCC office, and accepted on August 26, 2005 (Registration No.: 95486).

IC Registration No. : 2973B-1

No. 2 test site has been fully described in a report submitted to FCC office, and accepted on April 4, 2005 (Registration No.: 466226).

IC Registration No. : 2973B-3

No. 1 anechoic chamber has been fully described in a report submitted to FCC office, and accepted on November 2, 2005 (Registration No.: 95967).

IC Registration No. : 2973B-2

Test room	Width x Depth x Height (m)	Test room	Width x Depth x Height (m)
No.1 shielded room	8.0 x 5.0 x 2.5	No.1 Semi-anechoic chamber	10.0 x 7.5 x 5.7
No.2 shielded room	5.0 x 4.0 x 2.5		
No.3 shielded room	4.0 x 5.0 x 2.7		

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4 System Test Configuration

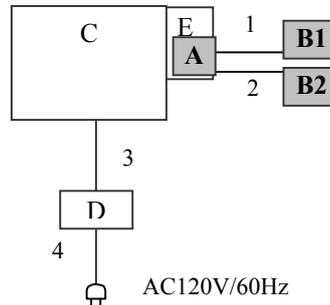
4.1 Justification

The system was configured in typical fashion (as a customer would normally use it) for testing.

Antenna: Main	
Transmitting (IEEE802.11b (11Mbps))	-2412MHz (Low) -2437MHz (Middle) -2462MHz (High)
Transmitting (IEEE802.11g (54Mbps))	-2412MHz (Low) -2437MHz (Middle) -2462MHz (High)
Receiving (IEEE802.11g (54Mbps))	-2437MHz (Middle)
Antenna model: Sub	
Transmitting (IEEE802.11b (11Mbps))	-2412MHz (Low) -2437MHz (Middle) -2462MHz (High)
Transmitting (IEEE802.11g (54Mbps))	-2412MHz (Low) -2437MHz (Middle) -2462MHz (High)
Receiving (IEEE802.11g (54Mbps))	-2437MHz (Middle)

The EUT has an ability to provide some different modulation and data rates. Some of these modulation and data rates did not change in the spectrum envelopes of the EUT at conducted measurement with the antenna terminal. Therefore, the results of the final measurements were the IEEE 802.11b DSSS (CCK, QPSK, 11Mbps) and IEEE 802.11g OFDM (64QAM, 54Mbps) modulation as the highest data rate.

4.2 Configuration of Tested System



* Test data was taken under worse case conditions.

Description of EUT and support equipment

No.	Item	Model number	Serial number	Manufacturer	FCC ID (Remark)
A	Wireless LAN Module	CAWM-001	XG60369NU6258	SONY	AK814798212X (EUT)
B1	Antenna	HFS05-SO04NN	A4607251	Hitachi Cable	(Main)
B2	Antenna	HFS35-SO01	MA061208	Hitachi Cable	(Sub)
C	Personal Computer	PCG-4A1N	28165410 1401044	SONY	-
D	AC Adaptor	PCGA-AC16V6	147774952 1189378	SONY	-
E	Extend Board	-	-	-	(Jig)

List of cables used *2)

No.	Name	Length (m)	Shield		Remark
			Cable	Connector	
1	Antenna cable	0.12	Shielded	Shielded	(for Main antenna)
2	Antenna cable	0.1	Shielded	Shielded	(for Sub antenna)
3	DC cable	1.8	Unshielded	Unshielded	-
4	AC cable	0.75	Unshielded	Unshielded	-

*2) All cables used for the measurement are exclusive use or marketed.

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5 Conducted Emissions

5.1 Operating environment

The test was carried out in No.2 shielded room.

5.2 Test configuration

EUT was placed on a platform of nominal size, 1m by 1.8m, raised 80cm above the conducting ground plane. The rear of tabletop was located 40cm to the vertical conducting plane. The rear of peripherals was aligned and flushed with rear of tabletop. All other surfaces of tabletop were at least 80cm from any other grounded conducting surface. EUT was located 80cm from a Line Impedance Stabilization Network (LISN) and excess AC cable was bundled in center. I/O cable were connected to the peripherals were bundled in center. They were folded back and forth forming a bundle 30cm to 40cm long and were hanged at a 40cm height to the ground plane.

5.3 Test conditions

Frequency range : 0.15 - 30MHz
EUT operation mode : Transmitting, Receiving

5.4 Test procedure

The EUT's host device, PC was connected to a LISN (AMN). An overview sweep with peak detection has been performed. The Conducted emission measurements were made with the following detector function of the test receiver.

Detector: QP/AV
IF Bandwidth: 9kHz

5.5 Results

Summary of the test results : Pass
Date : March 17, 2007 Test engineer : Tatsuya Arai

6 6dB Bandwidth & Occupied Bandwidth (99%)

Test Procedure

The bandwidth was measured with a spectrum analyzer connected to the antenna port.

Summary of the test results: Pass
Date: March 12, 2007 Test engineer : Tatsuya Arai

7 Maximum Peak Output Power

Test Procedure

The Maximum Peak Output Power was measured with a power meter connected to the antenna port.

Summary of the test results: Pass
Date: March 12, 2007 Test engineer : Tatsuya Arai

8 Out of Band Emissions (Antenna Port Conducted)

Test Procedure

The Out of Band Emissions was measured with a spectrum analyzer connected to the antenna port.

Summary of the test results: Pass
Date: March 12, 2007 Test engineer : Tatsuya Arai

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9 Out of Band Emissions (Radiated)

9.1 Operating environment

The test was carried out in No.1 anechoic chamber.

9.2 Test configuration

EUT was placed on a urethane platform of nominal size, 0.5m by 0.5m, raised 80cm above the conducting ground plane. A drawing of the set up is shown in the photos of Appendix 1.

9.3 Test conditions

Frequency range : 30MHz - 26.5GHz
 Test distance : 3m
 EUT operation mode : Transmitting, Receiving

9.4 Test procedure

The Radiated Electric Field Strength intensity has been measured with a ground plane and at a distance of 3m. The measuring antenna height was 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.

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.

Measurements were performed with QP, PK, and AV detector.

The radiated emission measurements were made with the following detector function of the test receiver.

When using Spectrum analyzer, the test was made with adjusting span to zero by using peak hold.

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
Measuring antenna	Biconical (30-300MHz) Logperiodic (300MHz-1GHz)	Horn

The equipment and its antenna were previously checked at each position of three axes X, Y and Z. The position in which the maximum noise occurred was chosen to put into measurement. See the table below and photographs in page 14 to 15. With the position, the noise levels of all the frequencies were measured.

Model	Worst position	
	Below 1GHz	Above 1GHz
Module	Horizontal: X, Vertical: Z	Horizontal: X, Vertical: Z
Antenna (Main)	Horizontal: X, Vertical: Z	Horizontal: X, Vertical: Z
Antenna (Sub)	Horizontal: Y, Vertical: Y	Horizontal: Y, Vertical: Y

9.5 Results

Summary of the test results : Pass
 No noise was detected above the 5th order harmonics.

Date: March 19, 20, 21 and 22, 2007

Test engineer : Fumiaki Matsuo

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10 Peak Power Density

Test Procedure

The peak power density was measured with a spectrum analyzer connected to the antenna port.

Summary of the test results: Pass

Date: March 12, 2007

Test engineer : Tatsuya Arai

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APPENDIX 1: Photographs of test setup

Page 12	:	Conducted emission
Page 13	:	Radiated emission
Page 14 - 15	:	Pre check of worse-case position

APPENDIX 2: Test Data

Page 16 - 35	:	Conducted emission
16-25	:	Transmitting with Main antenna
26-31	:	Transmitting with Sub antenna
32-33	:	Receiving with Main antenna
34-35	:	Receiving with Sub antenna
Page 36 - 39	:	6dB Bandwidth
Page 40	:	Maximum Peak Output Power
Page 41 - 66	:	Out of Band Emissions (Antenna Port Conducted)
41-53	:	Main antenna
54-66	:	Sub antenna
Page 67 - 108	:	Out of Band Emissions (Radiated)
67-87	:	Main antenna
88-108	:	Sub antenna
Page 109	:	Peak Power Density
Page 110 - 113	:	Occupied Bandwidth

APPENDIX 3: Test instruments

Page 114	:	Test instruments
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Conducted emission



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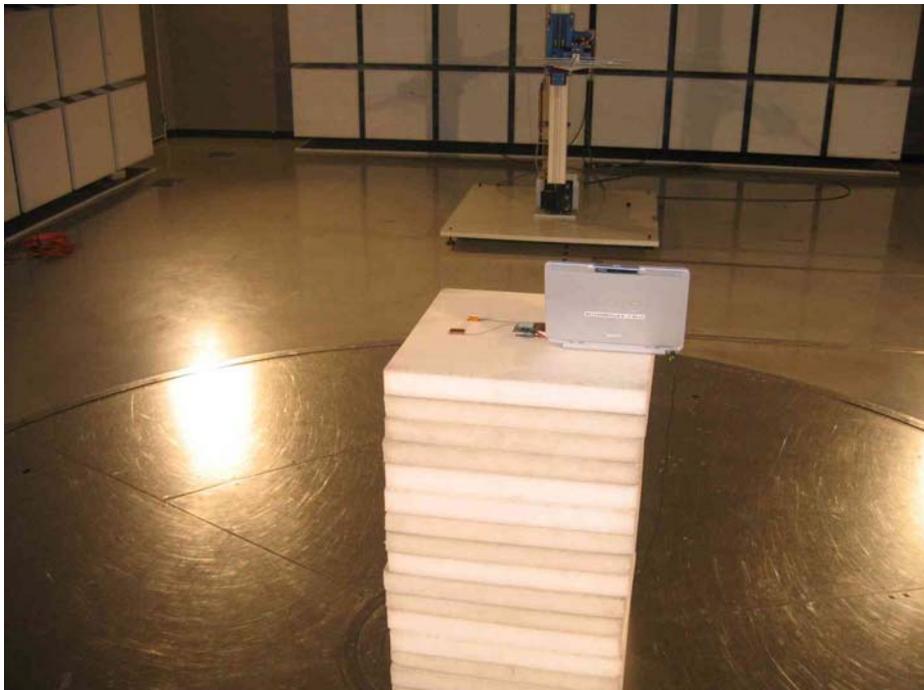
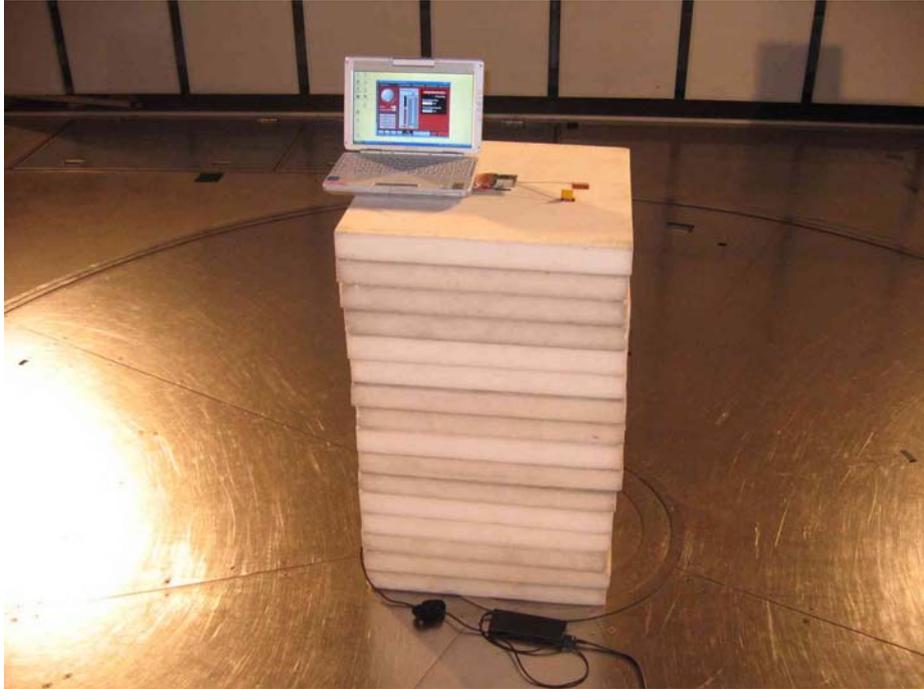
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Radiated emission



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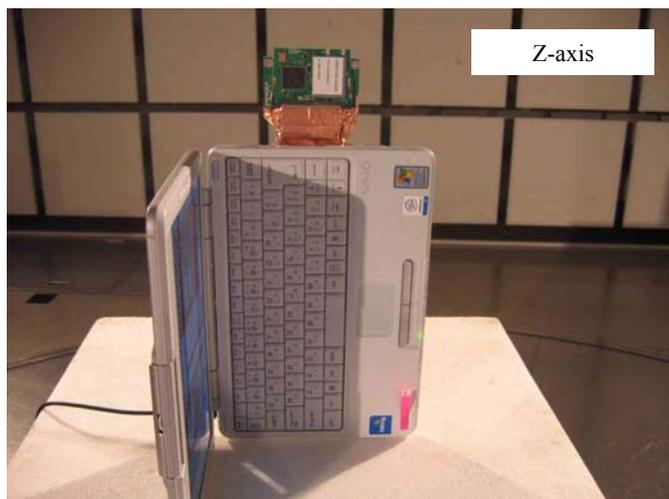
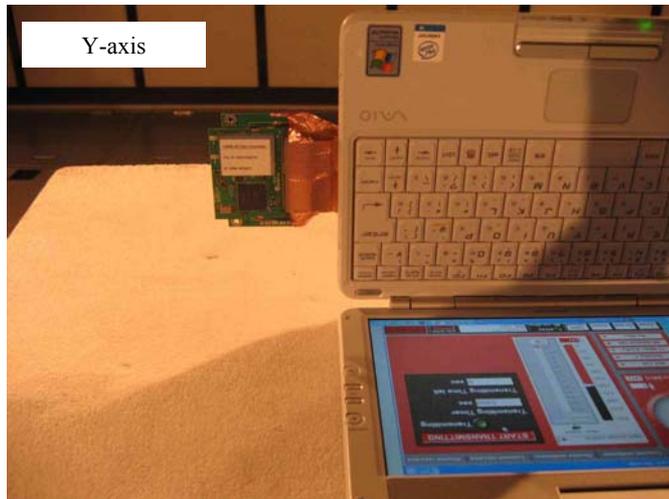
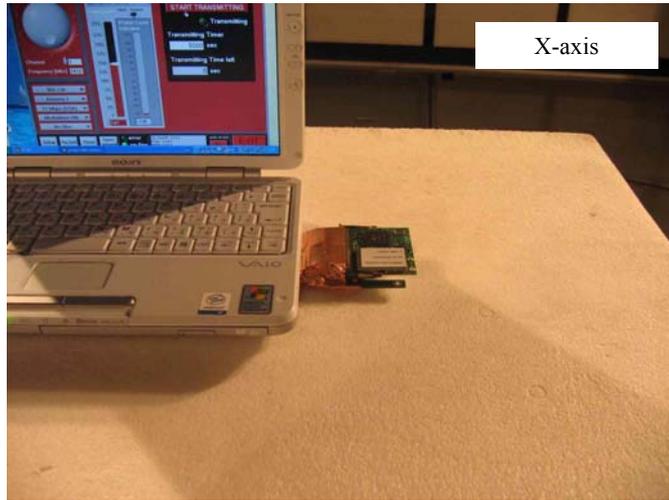
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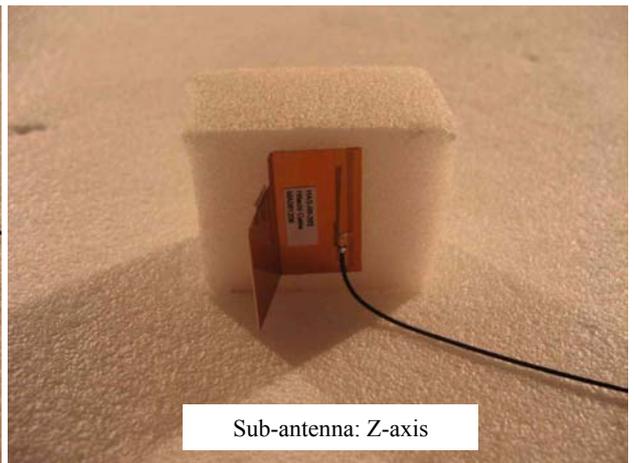
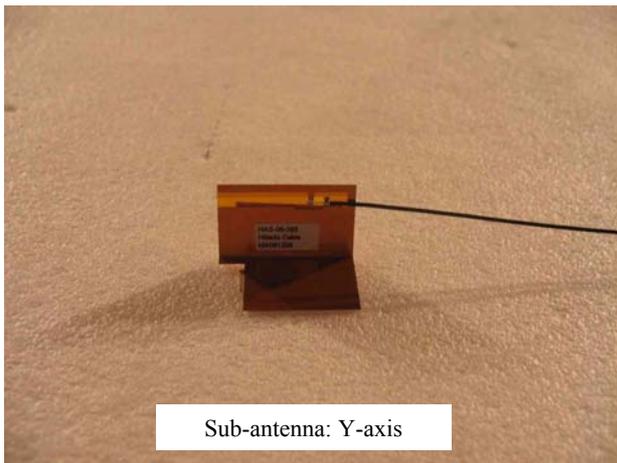
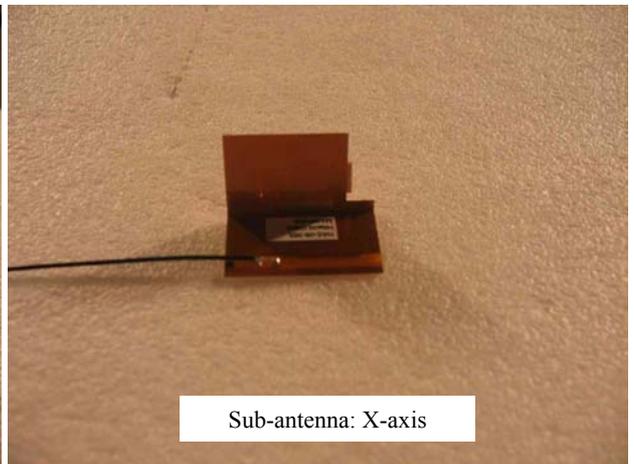
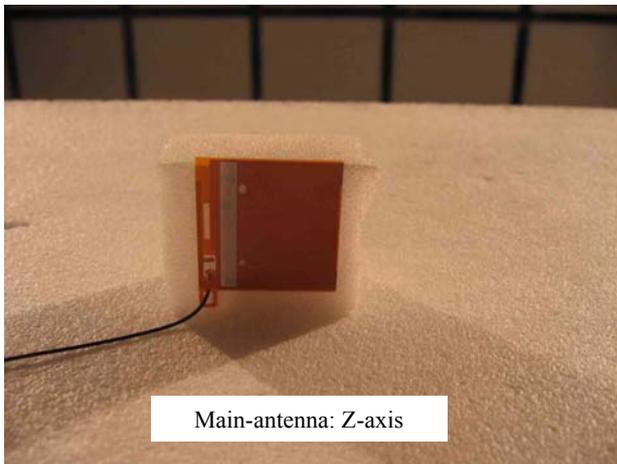
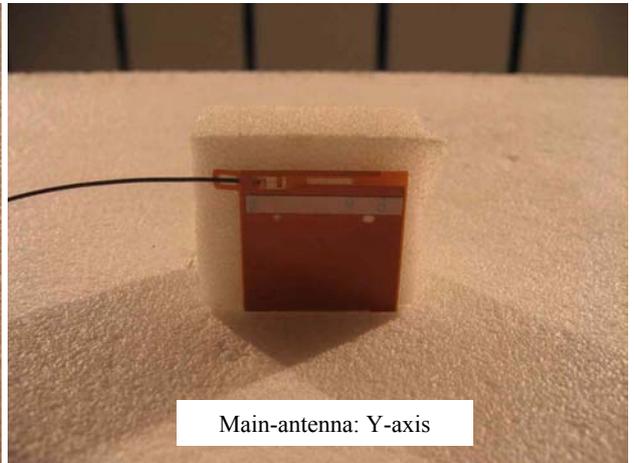
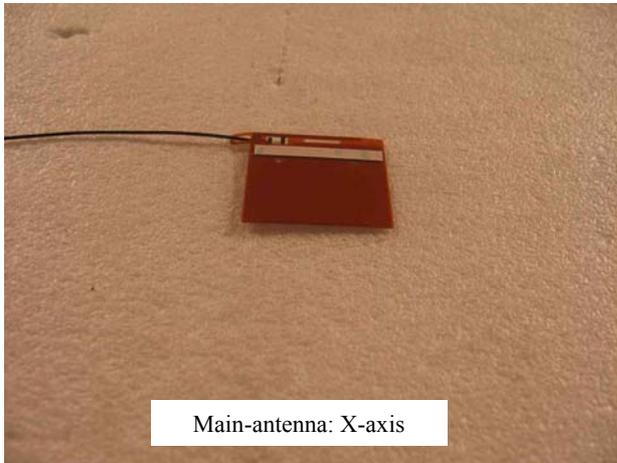
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Pre-check of the worst position (Module)



Pre-check of the worst position (Antenna)

Main



DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2412MHz
Remarks : IEEE802.11b 11Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation : FCC Part15C § 15.207. (CISPR Pub.22)

No.	FREQ. [MHz]	READING(N)		READING(L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV	QP [dB μV]	AV				QP [dB]	AV [dB μV]	QP [dB μV]	AV	QP [dB]	AV
1.	0.1500	57.3	44.9	58.4	44.5	0.1	0.1	0.0	58.6	45.1	66.0	56.0	7.4	10.9
2.	0.2882	43.8	36.0	44.6	38.1	0.1	0.1	0.0	44.8	38.3	60.6	50.6	15.8	12.3
3.	0.4340	34.5	28.7	38.2	31.7	0.1	0.1	0.0	38.4	31.9	57.2	47.2	18.8	15.3
4.	0.5802	32.8	-	34.8	-	0.1	0.1	0.0	35.0	-	56.0	46.0	21.0	-
5.	4.3362	38.9	19.9	39.8	20.4	0.2	0.3	0.0	40.3	20.9	56.0	46.0	15.7	25.1
6.	5.8207	38.0	21.5	40.3	22.5	0.2	0.3	0.0	40.8	23.0	60.0	50.0	19.2	27.0

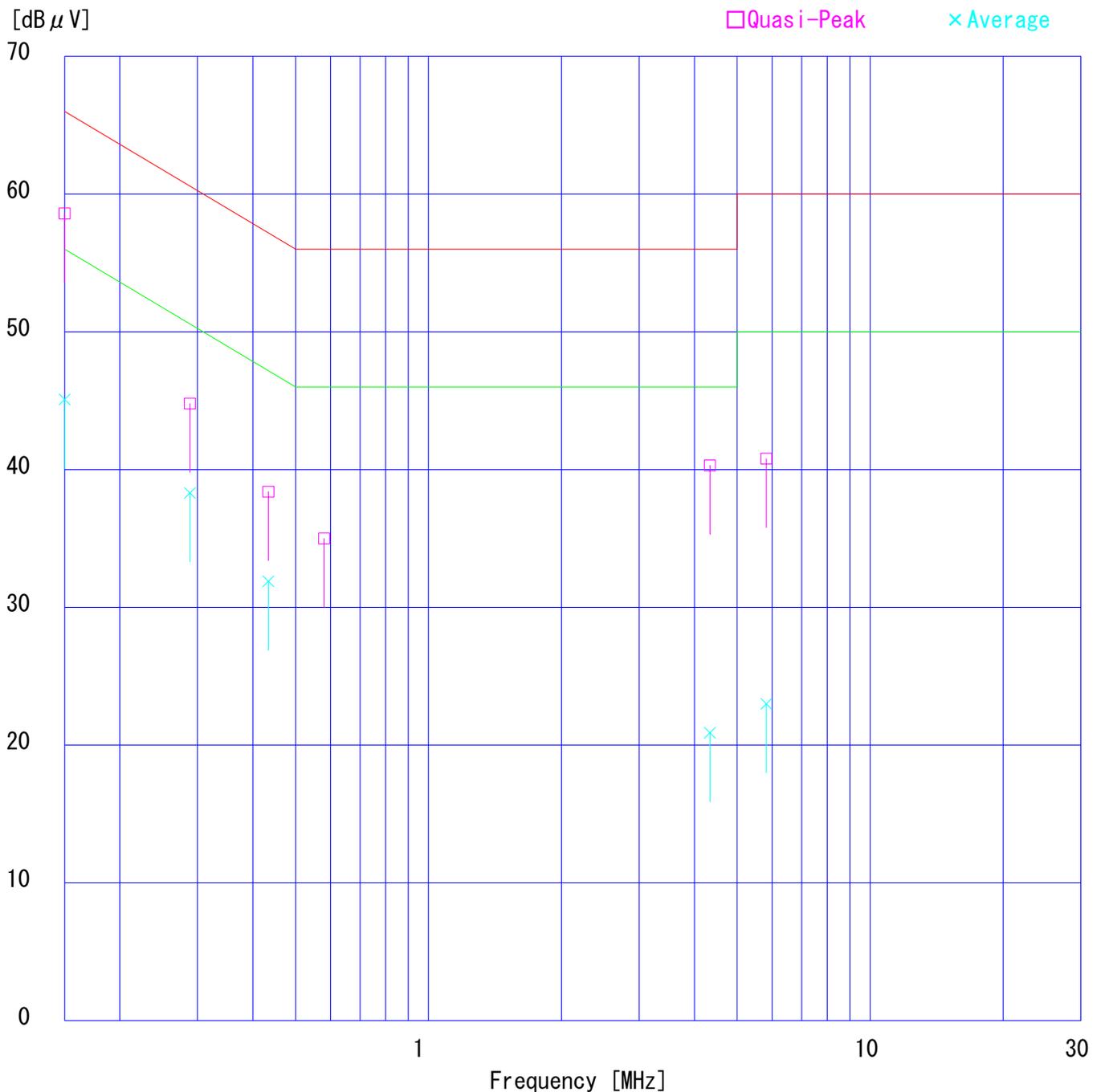
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■ LISN: KLS-05 (NSLK8126) ■ COAXIAL CABLE: KCC-33/34
■ EMI RECEIVER: KTR-03 (ESHS10)

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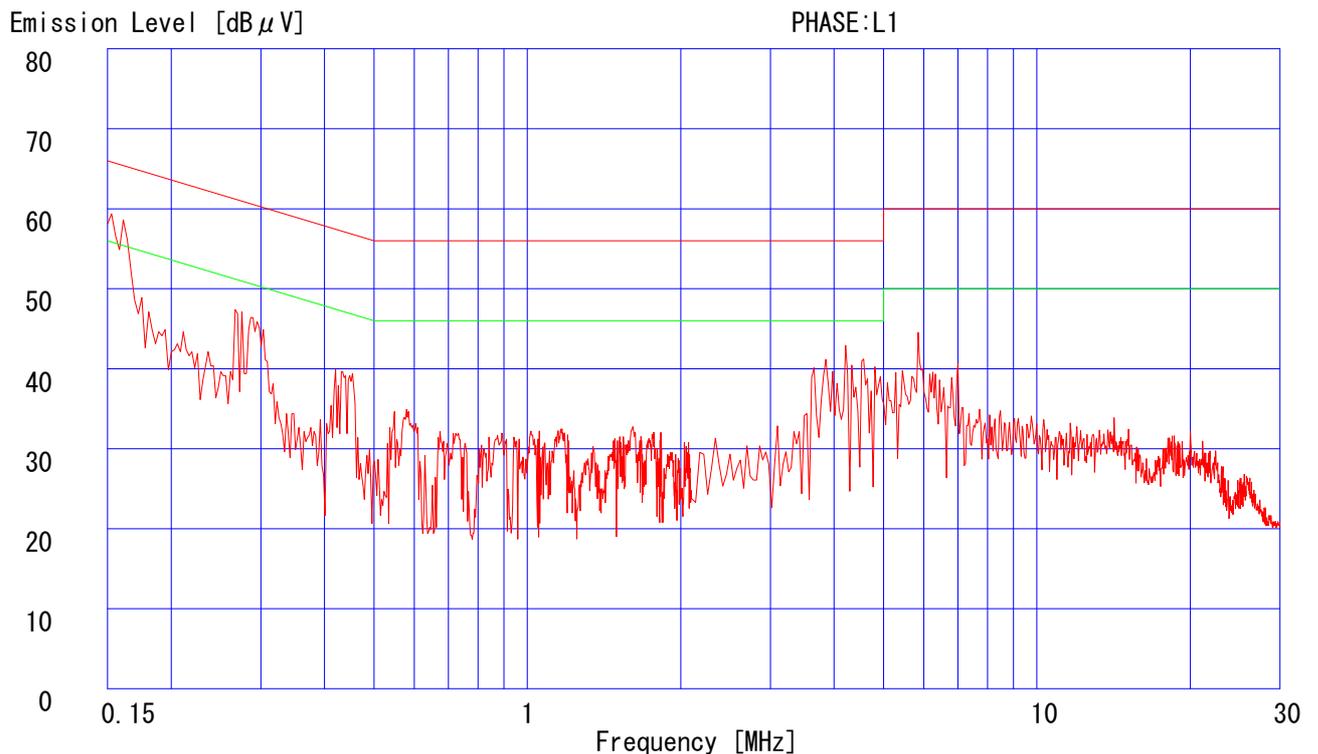
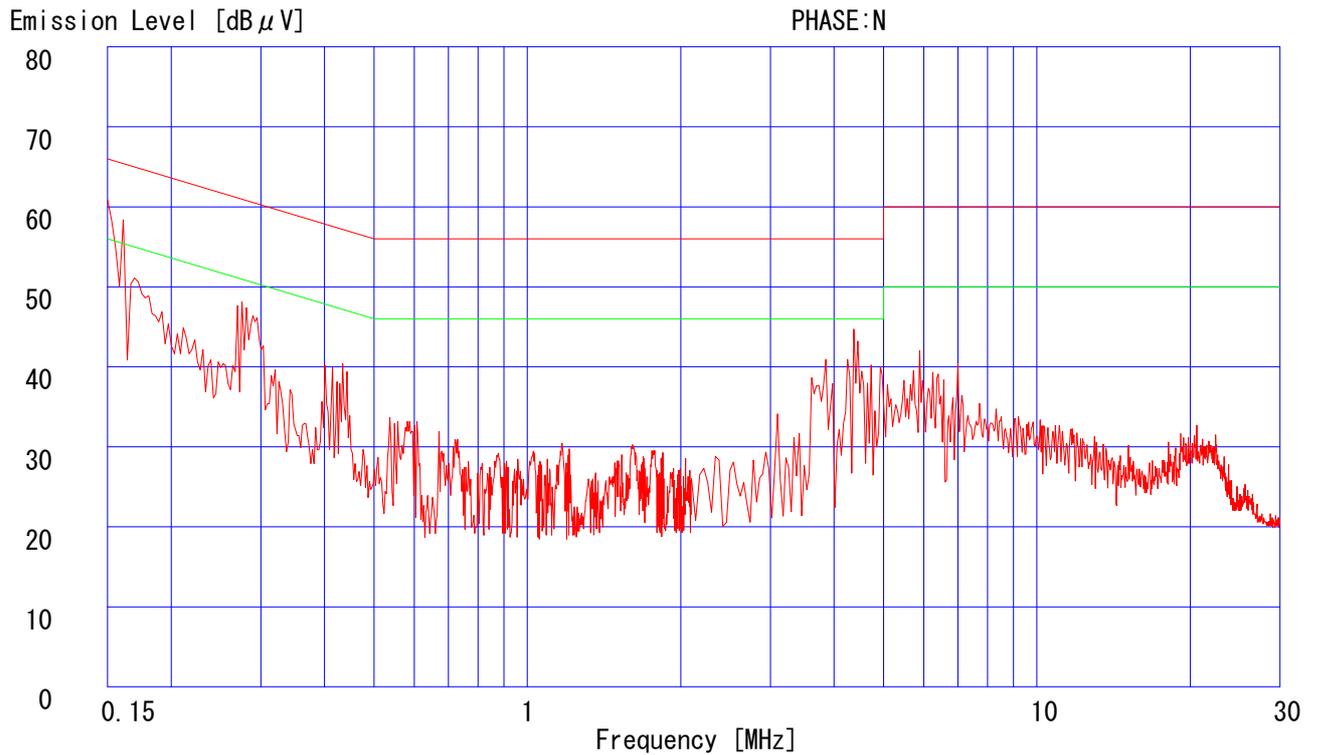
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2412MHz
Remarks : IEEE802.11b 11Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation : FCC Part15C § 15.207. (CISPR Pub.22)



DATA OF CONDUCTION TEST CHART

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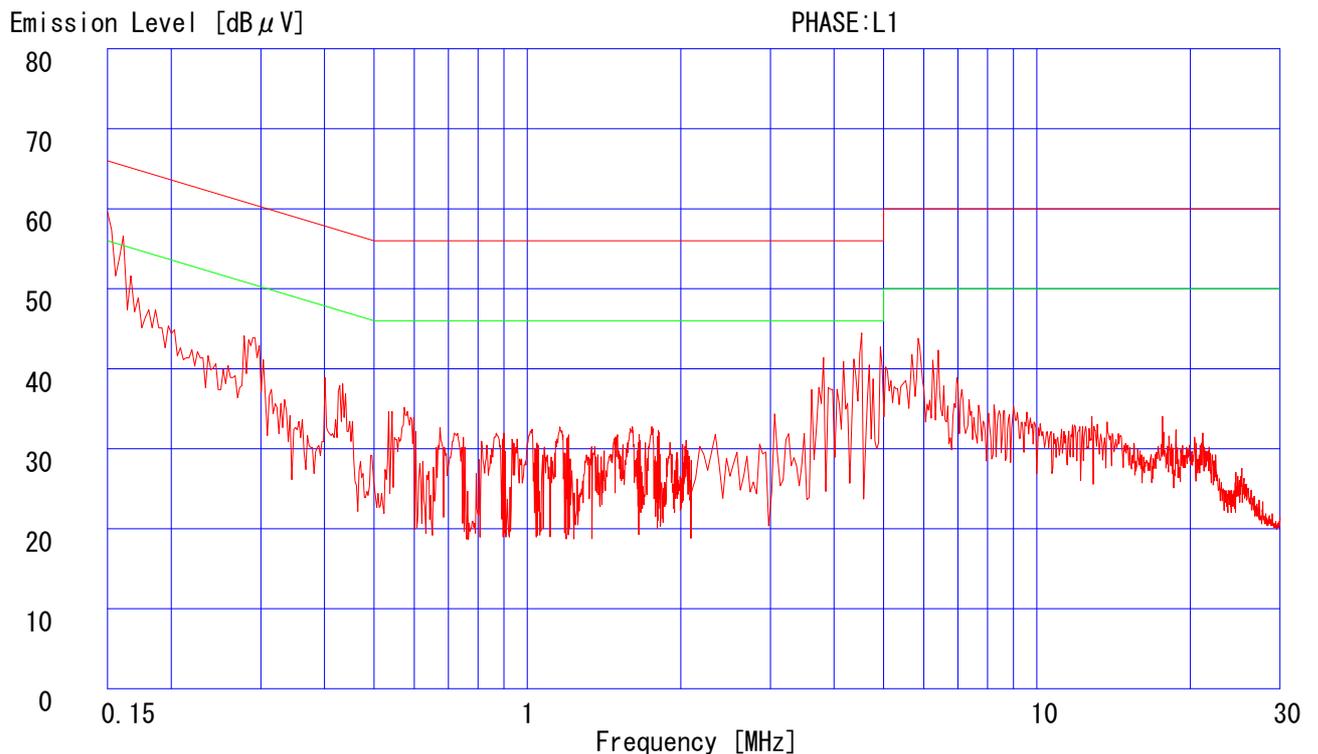
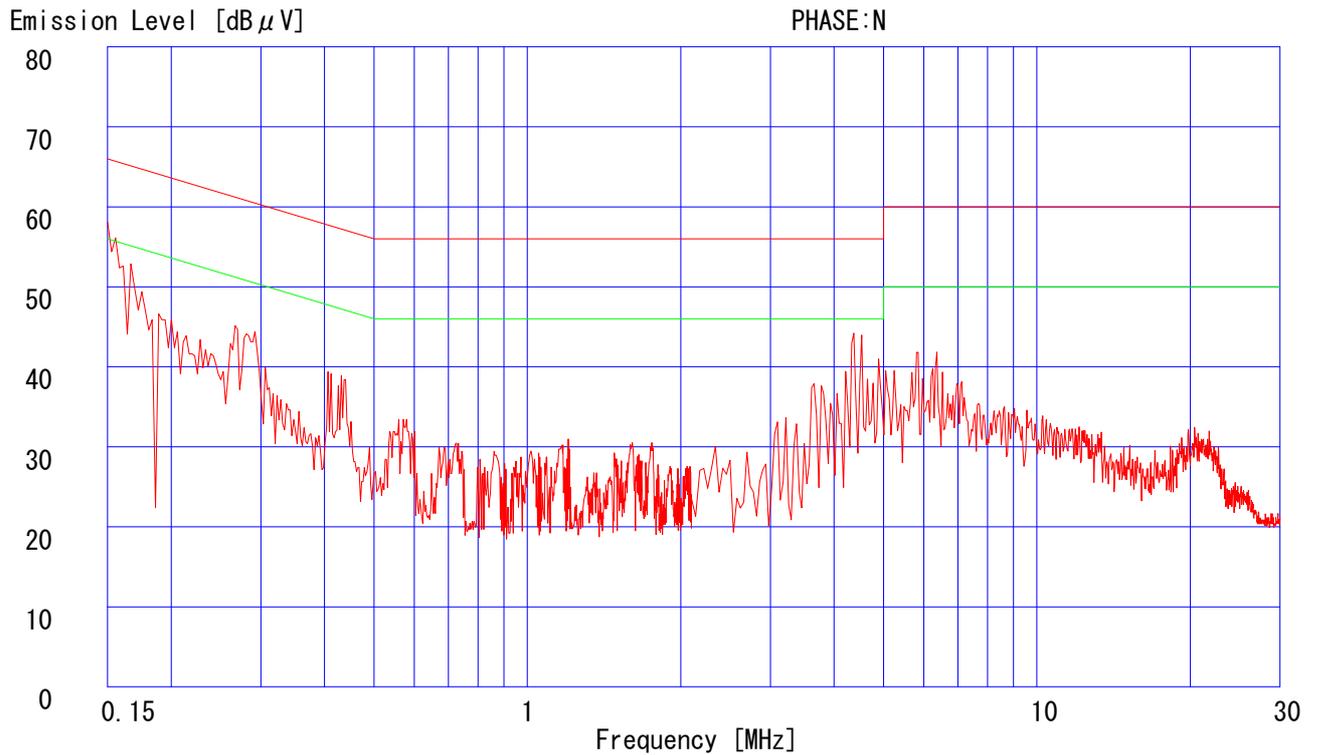
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Remarks : IEEE802.11b 11Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

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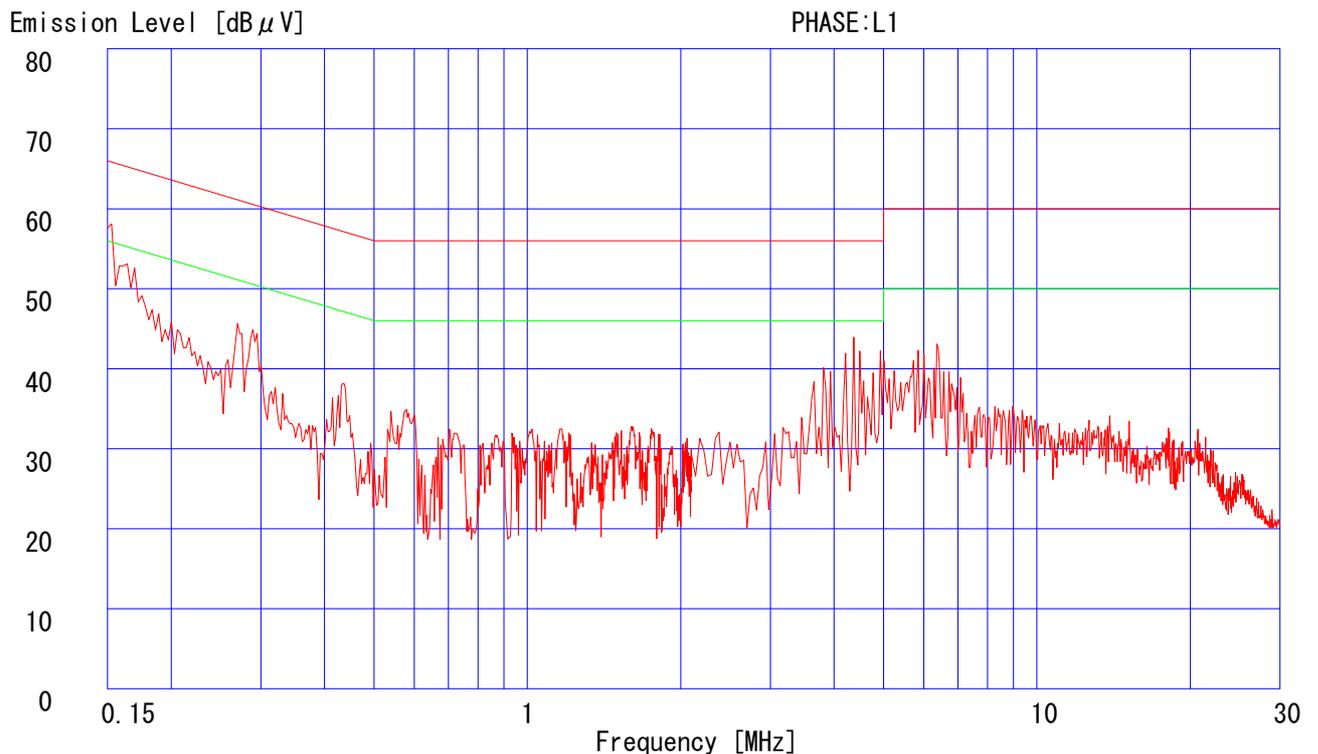
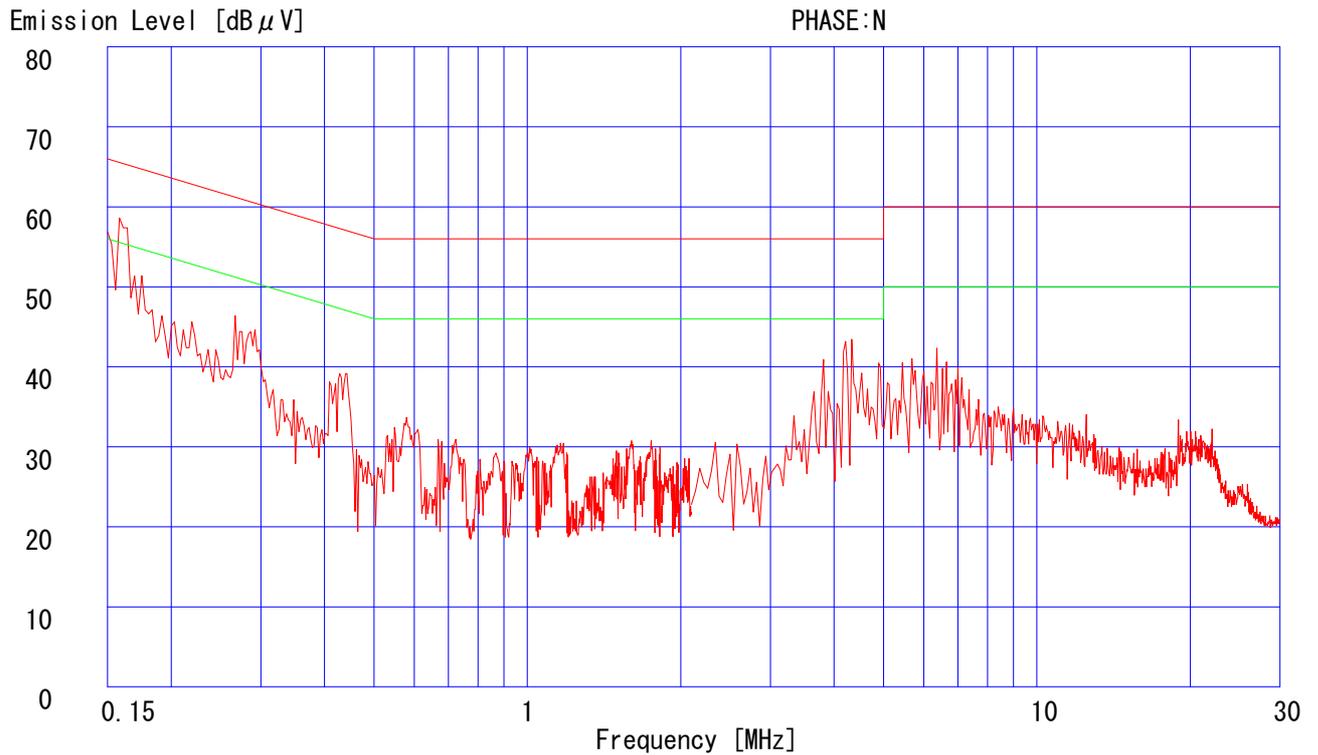
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2437MHz
Remarks : IEEE802.11b 11Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2462MHz
Remarks : IEEE802.11b 11Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2412MHz
Remarks : IEEE802.11g 54Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation : FCC Part15C § 15.207. (CISPR Pub.22)

No.	FREQ. [MHz]	READING(N)		READING(L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV	QP [dB μV]	AV				QP [dB]	AV	QP [dB μV]	AV	QP [dB]	AV
1.	0.1500	55.9	42.5	56.5	42.0	0.1	0.1	0.0	56.7	42.7	66.0	56.0	9.3	13.3
2.	0.2884	43.5	36.6	43.3	37.4	0.1	0.1	0.0	43.7	37.6	60.6	50.6	16.9	13.0
3.	0.4370	37.8	30.8	37.3	31.3	0.1	0.1	0.0	38.0	31.5	57.1	47.1	19.1	15.6
4.	0.5776	32.9	-	34.6	-	0.1	0.1	0.0	34.8	-	56.0	46.0	21.2	-
5.	4.3787	36.5	20.0	37.0	20.1	0.2	0.3	0.0	37.5	20.6	56.0	46.0	18.5	25.4
6.	5.8227	35.5	19.5	39.6	22.1	0.2	0.3	0.0	40.1	22.6	60.0	50.0	19.9	27.4

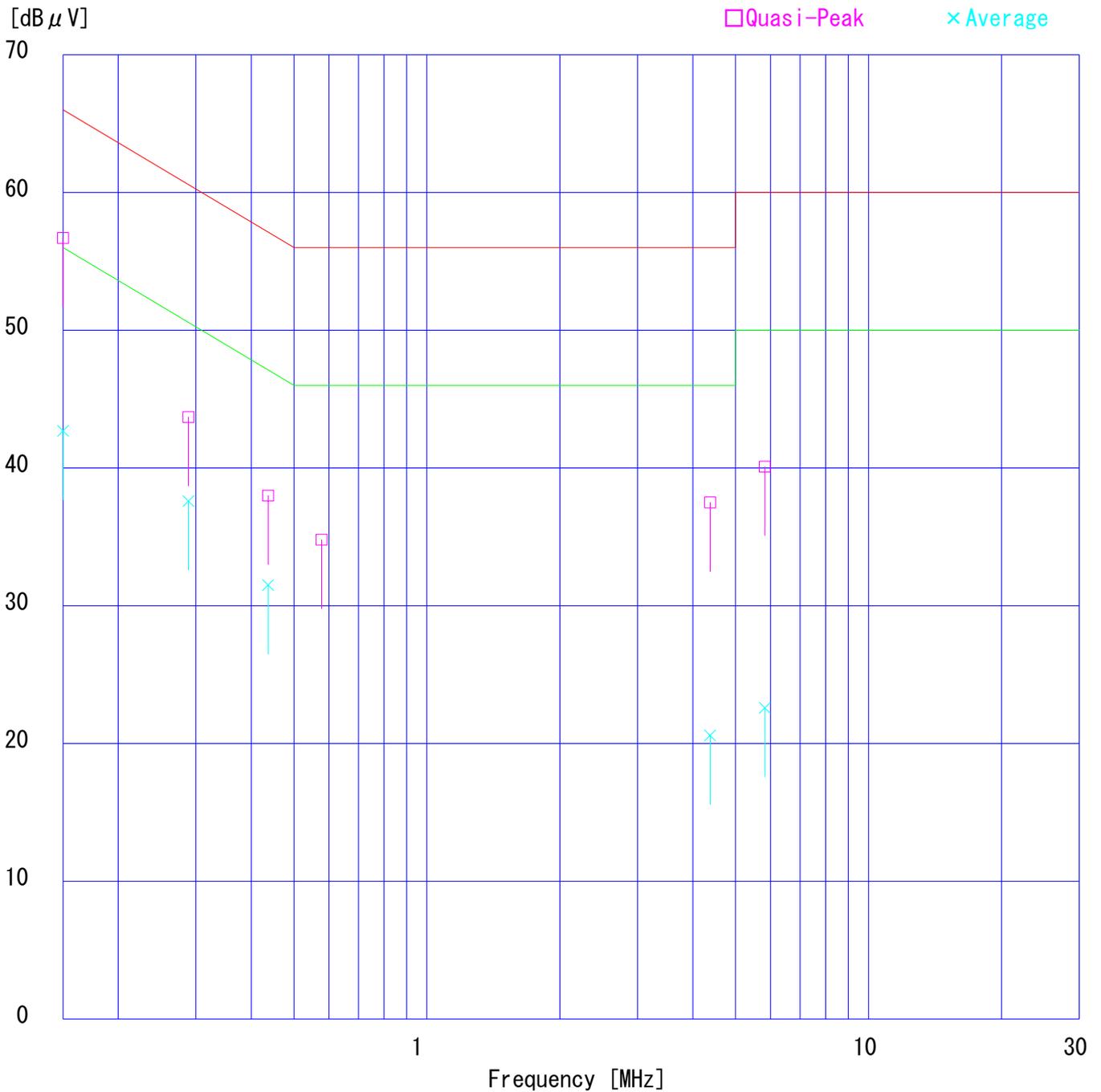
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■ LISN: KLS-05 (NSLK8126) ■ COAXIAL CABLE: KCC-33/34
■ EMI RECEIVER: KTR-03 (ESHS10)

DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

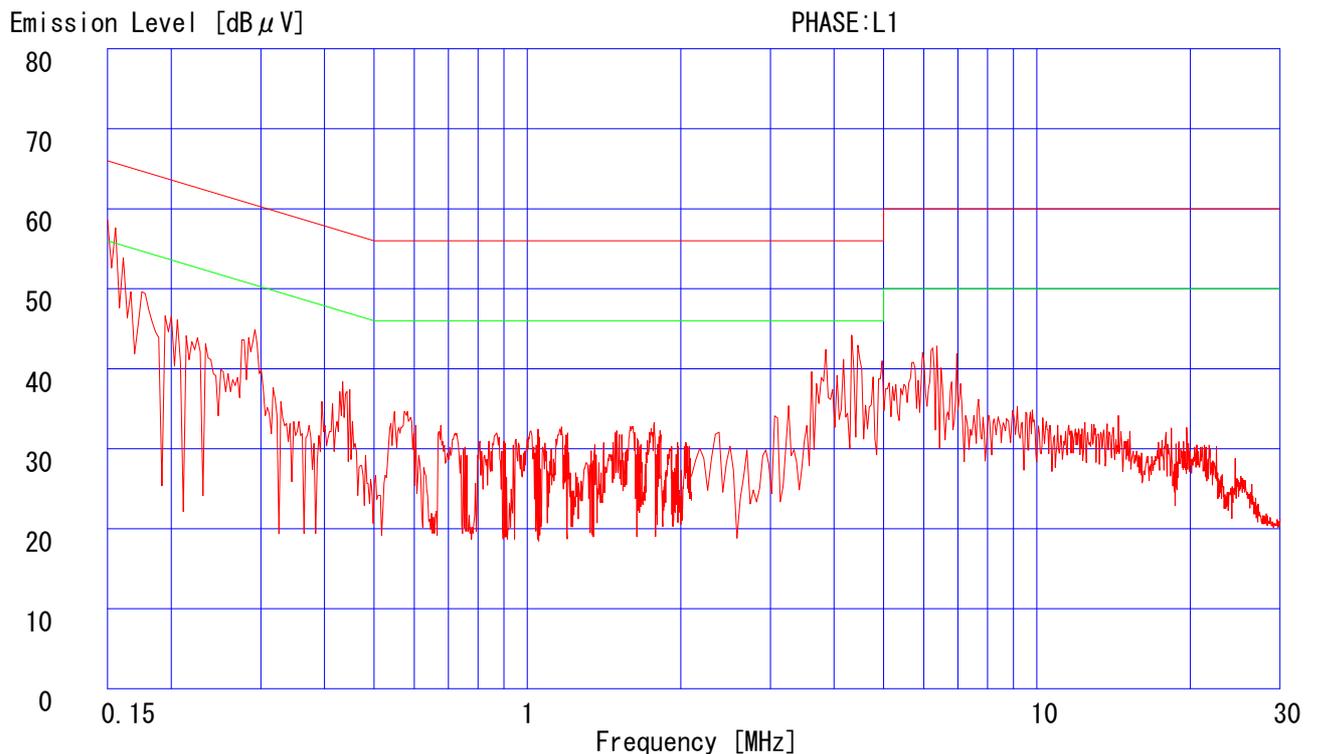
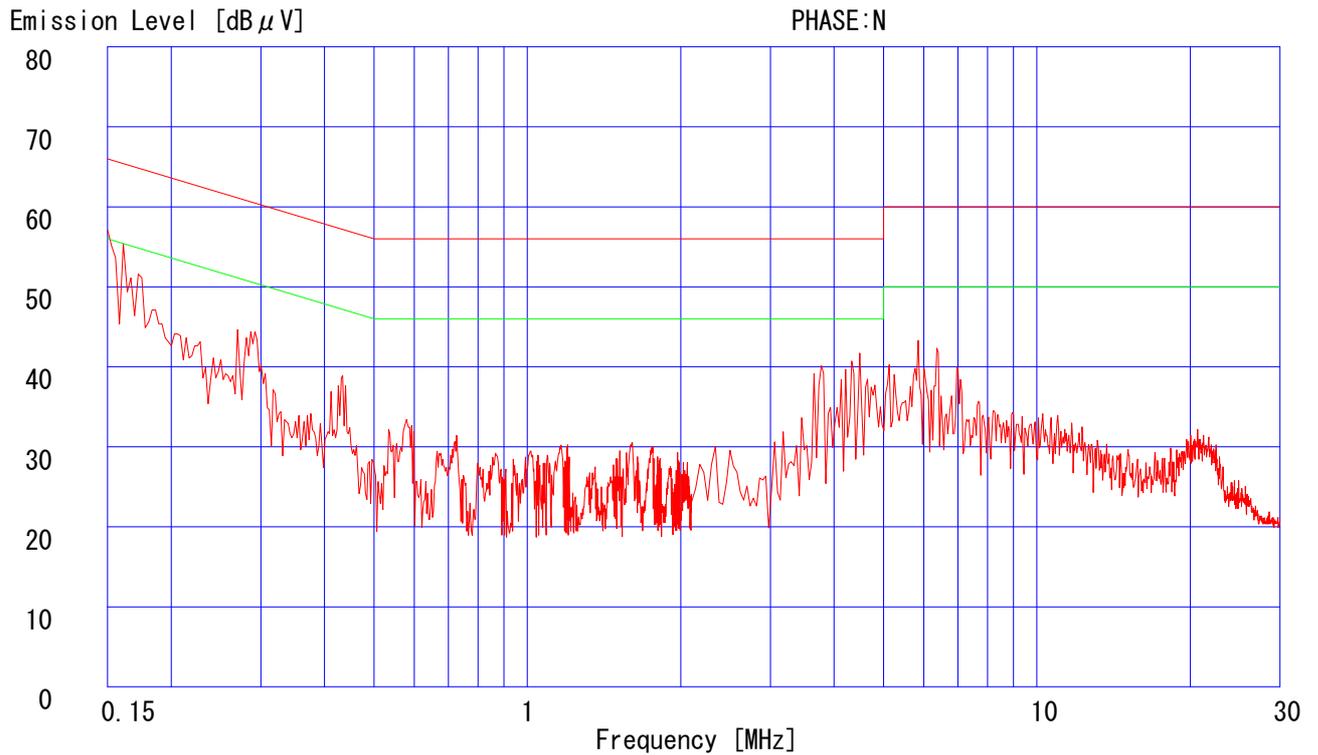
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2412MHz
Remarks : IEEE802.11g 54Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation : FCC Part15C § 15.207. (CISPR Pub.22)



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

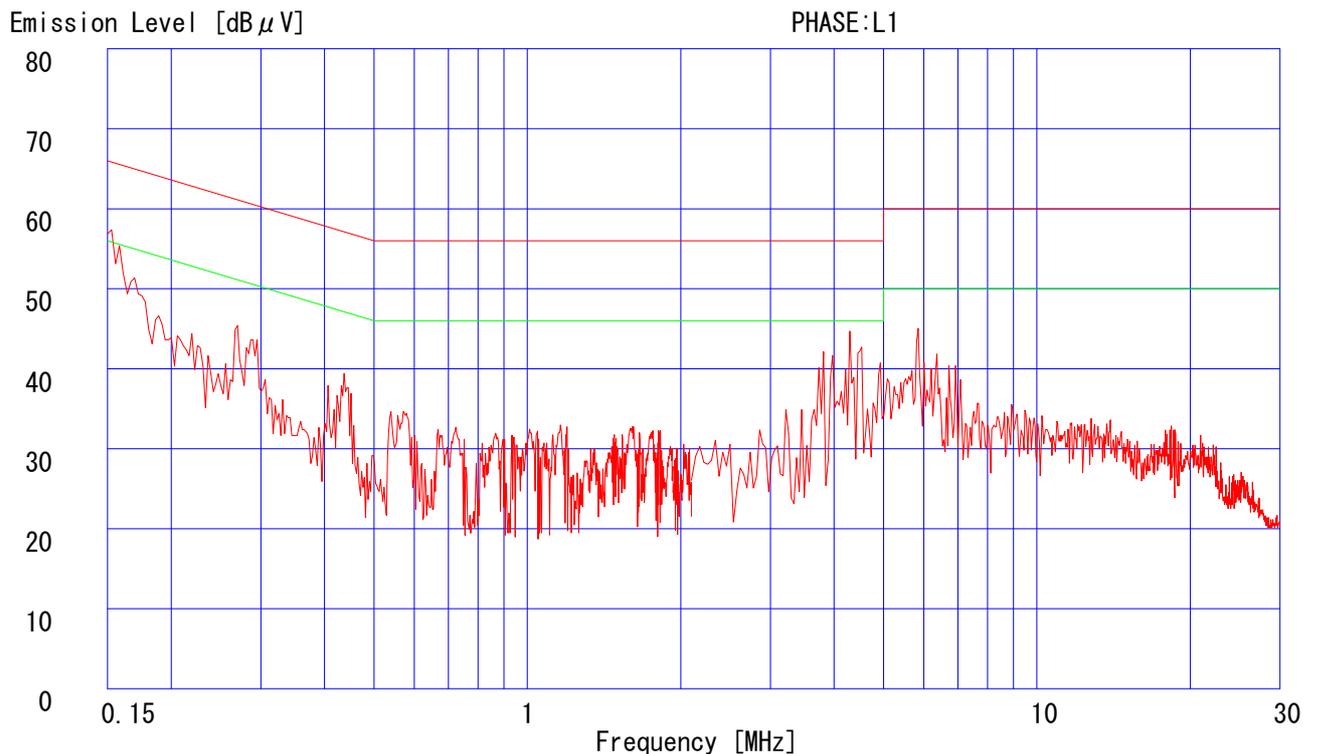
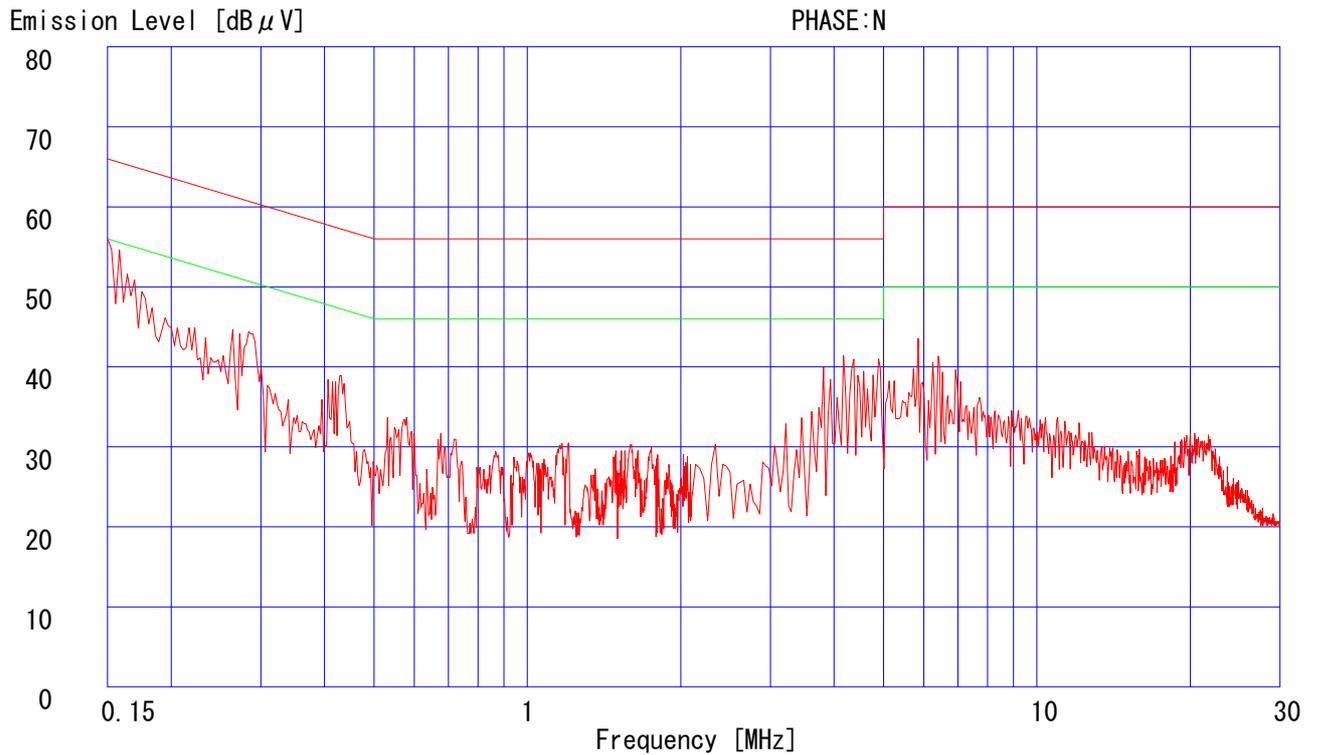
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2412MHz
Remarks : IEEE802.11g 54Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

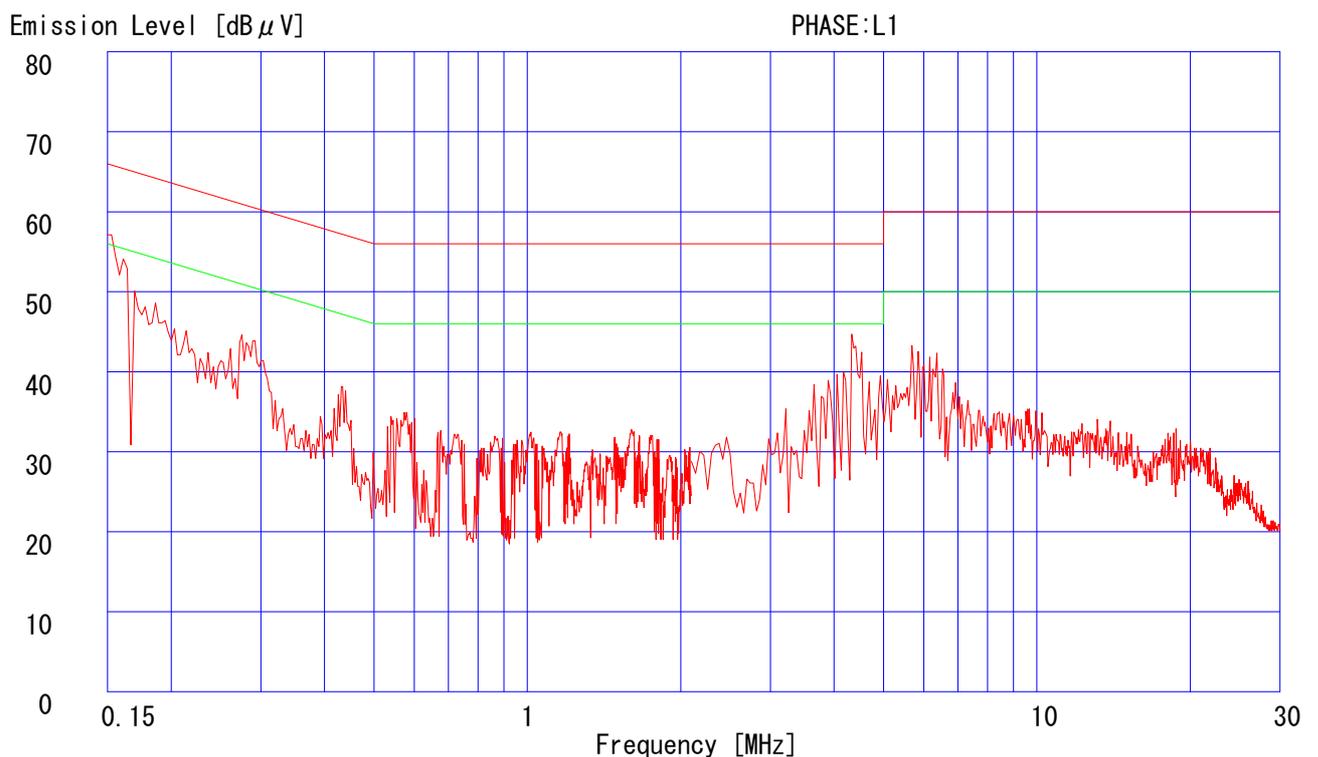
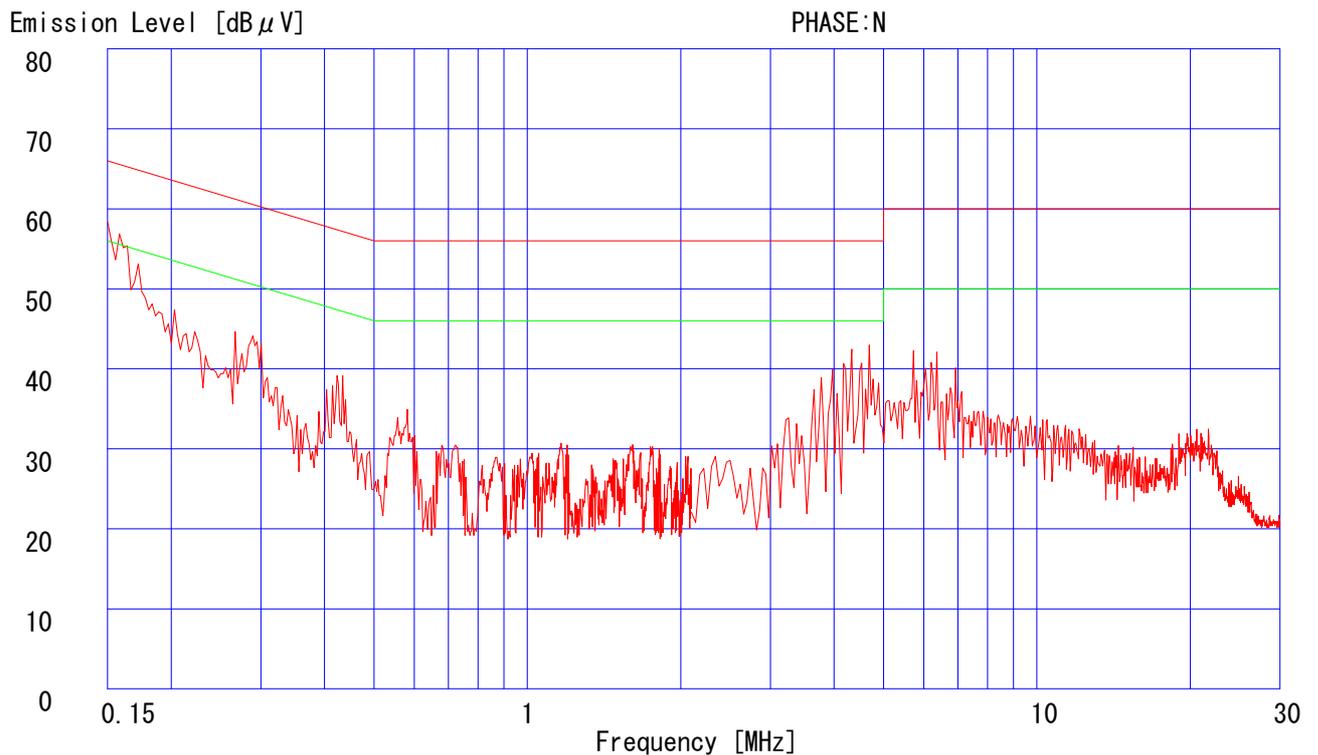
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2437MHz
Remarks : IEEE802.11g 54Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

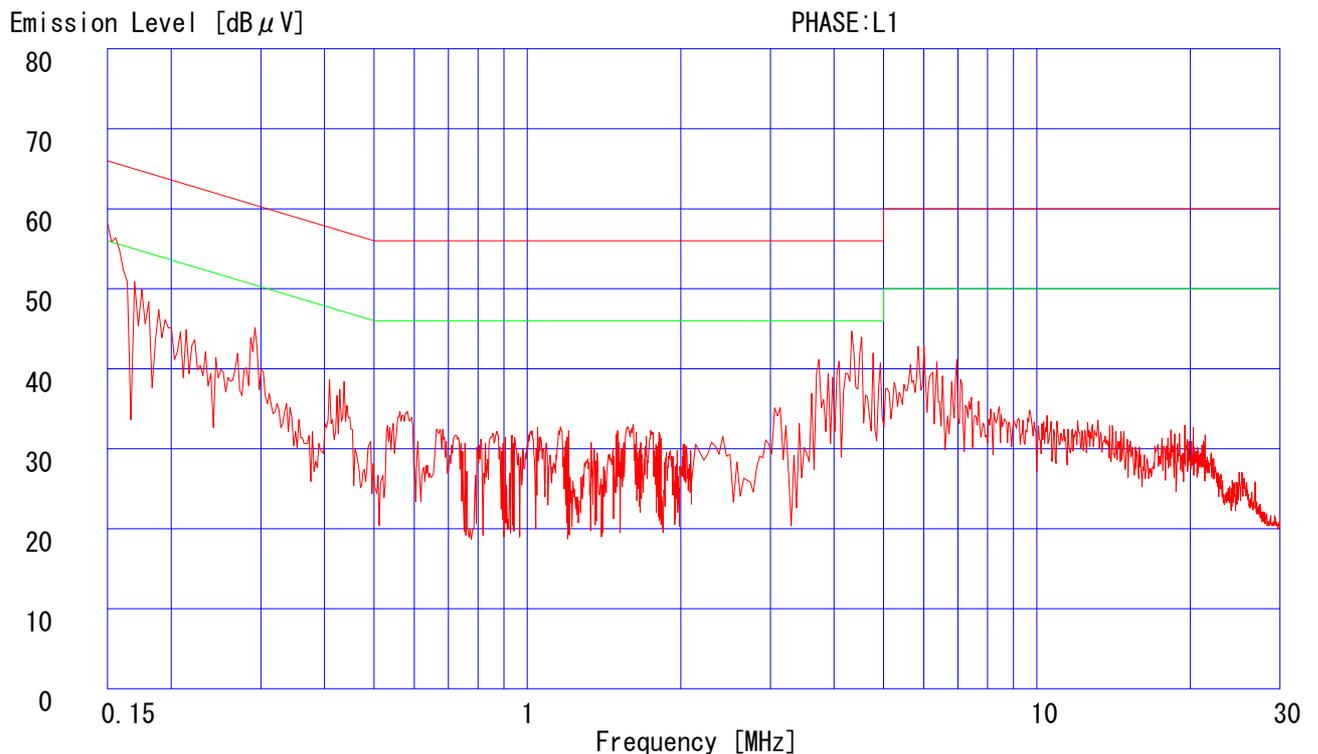
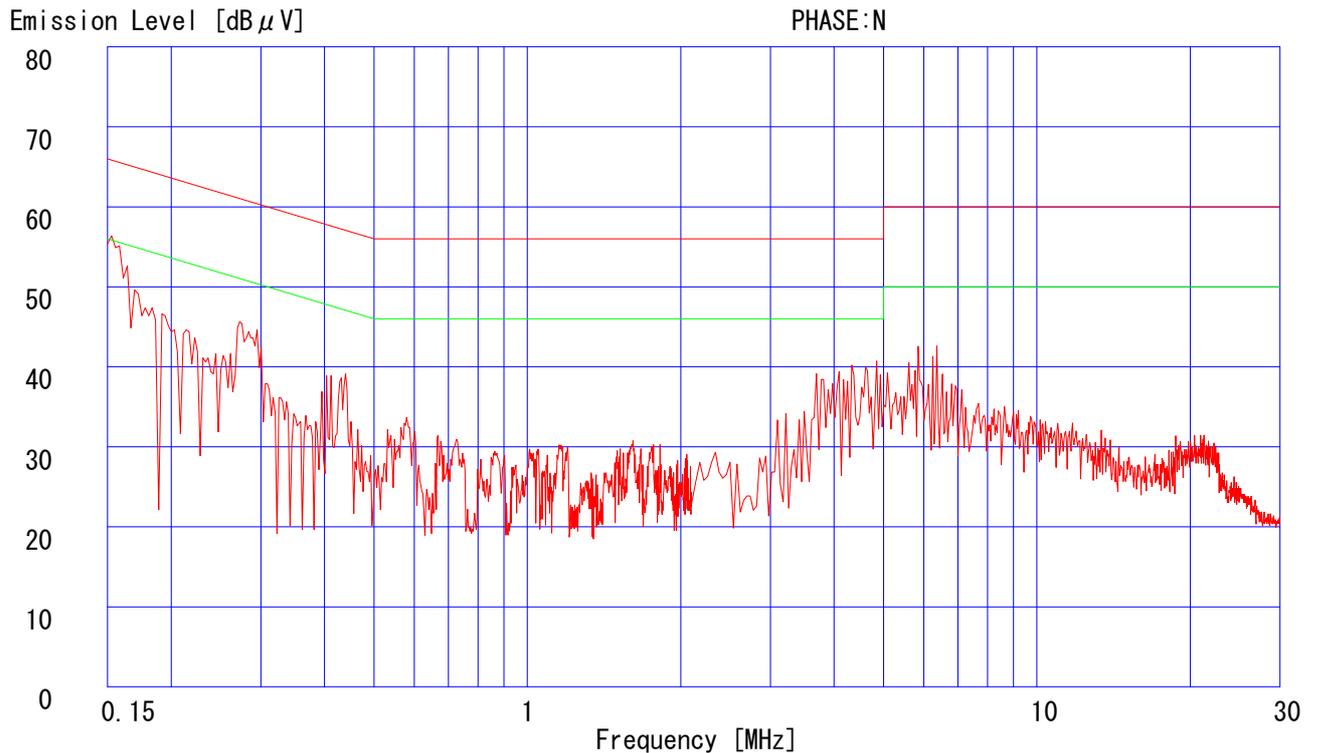
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Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2462MHz
Remarks : IEEE802.11g 54Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

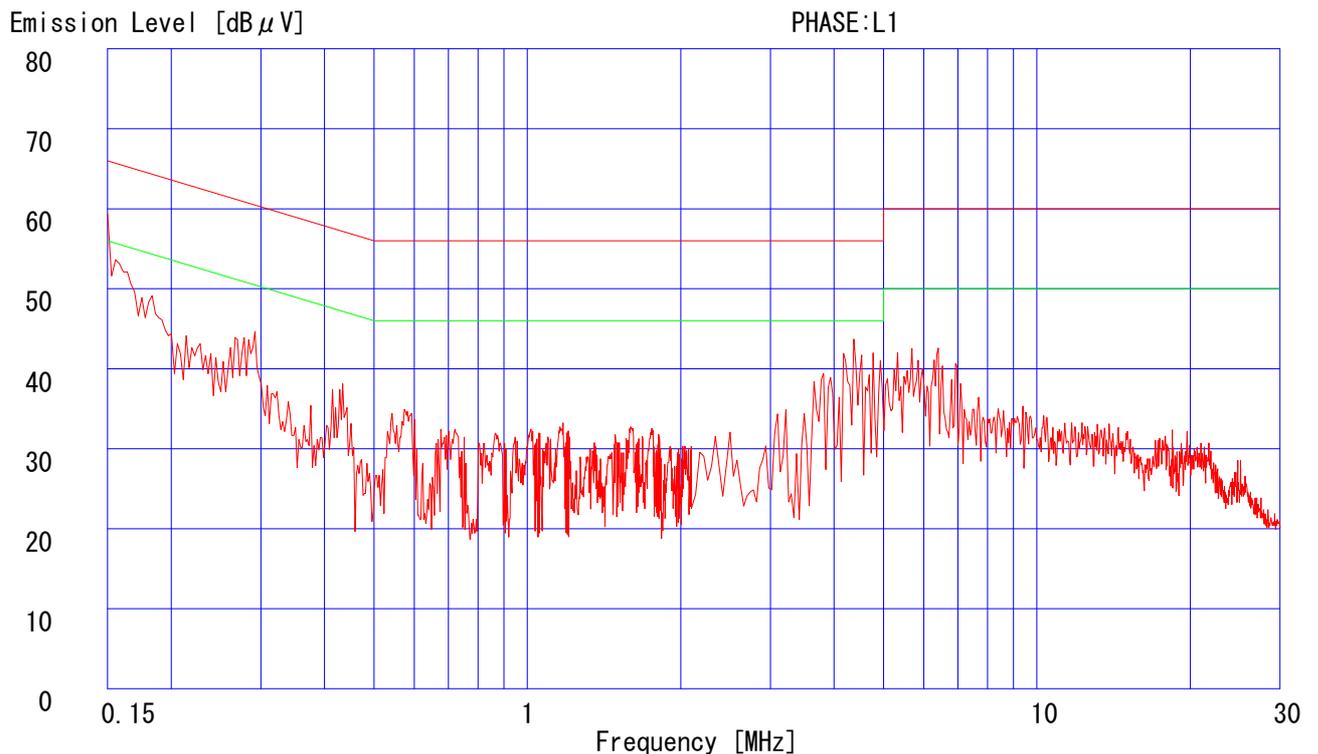
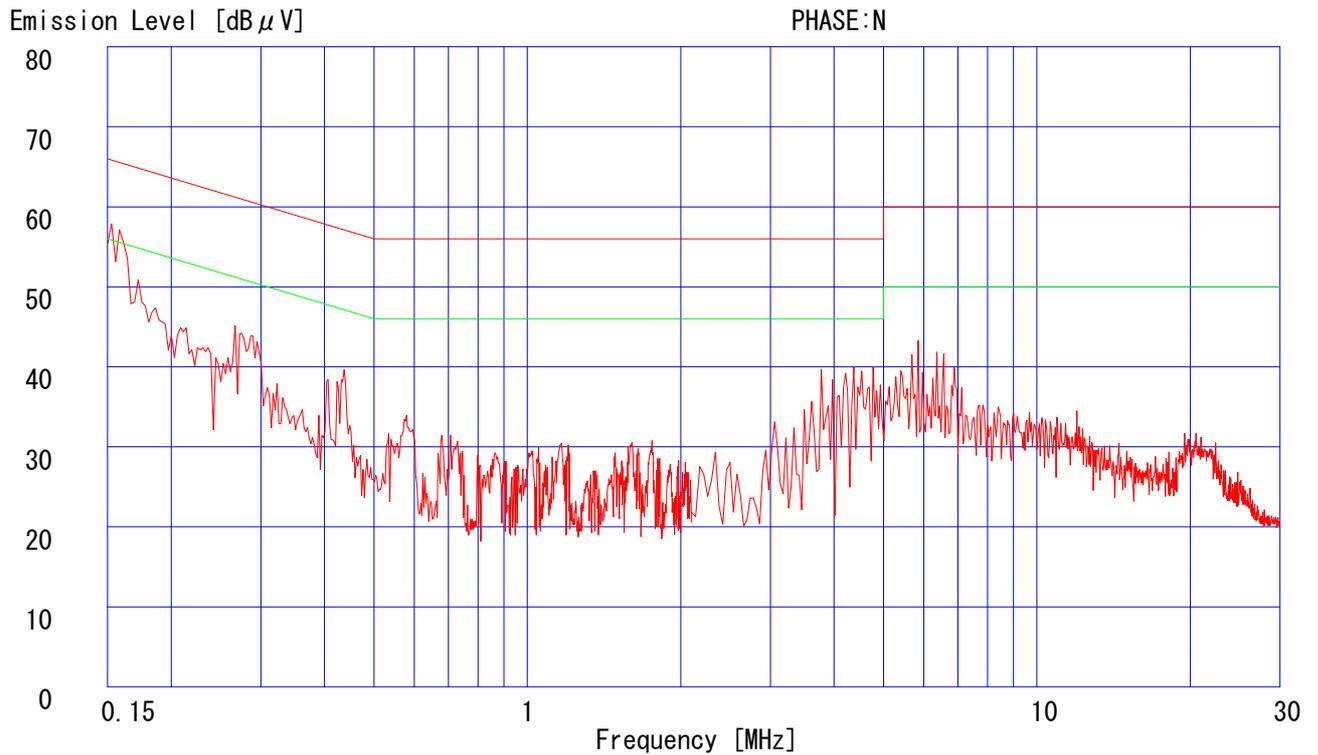
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2412MHz
Remarks : IEEE802.11b 11Mbps Antenna: Sub
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

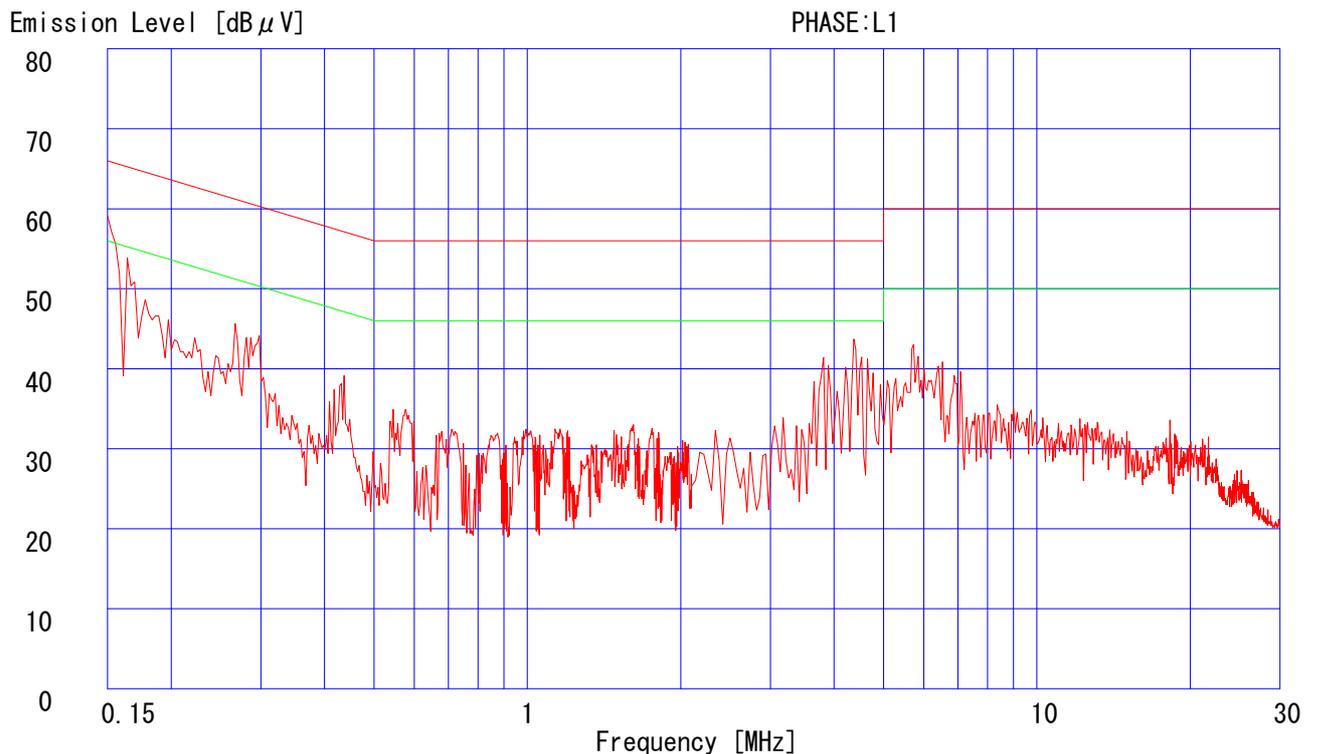
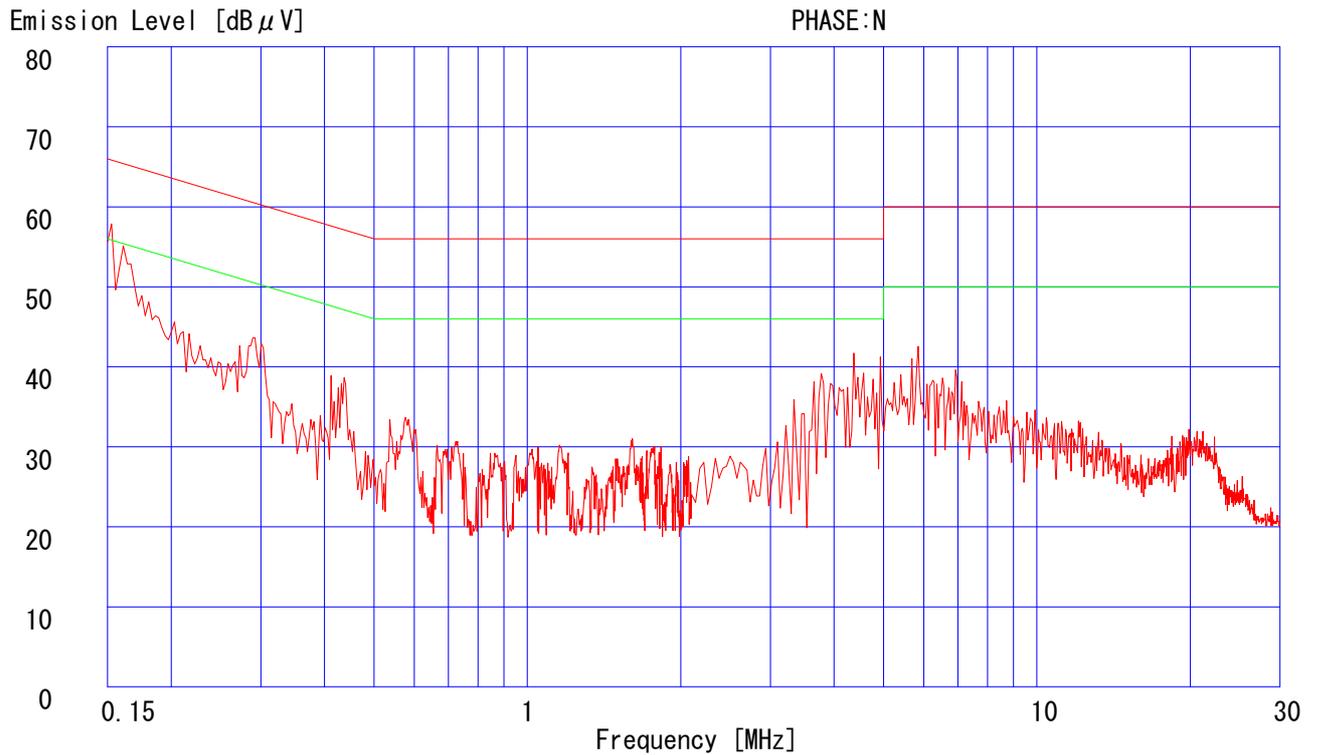
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2437MHz
Remarks : IEEE802.11b 11Mbps Antenna: Sub
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

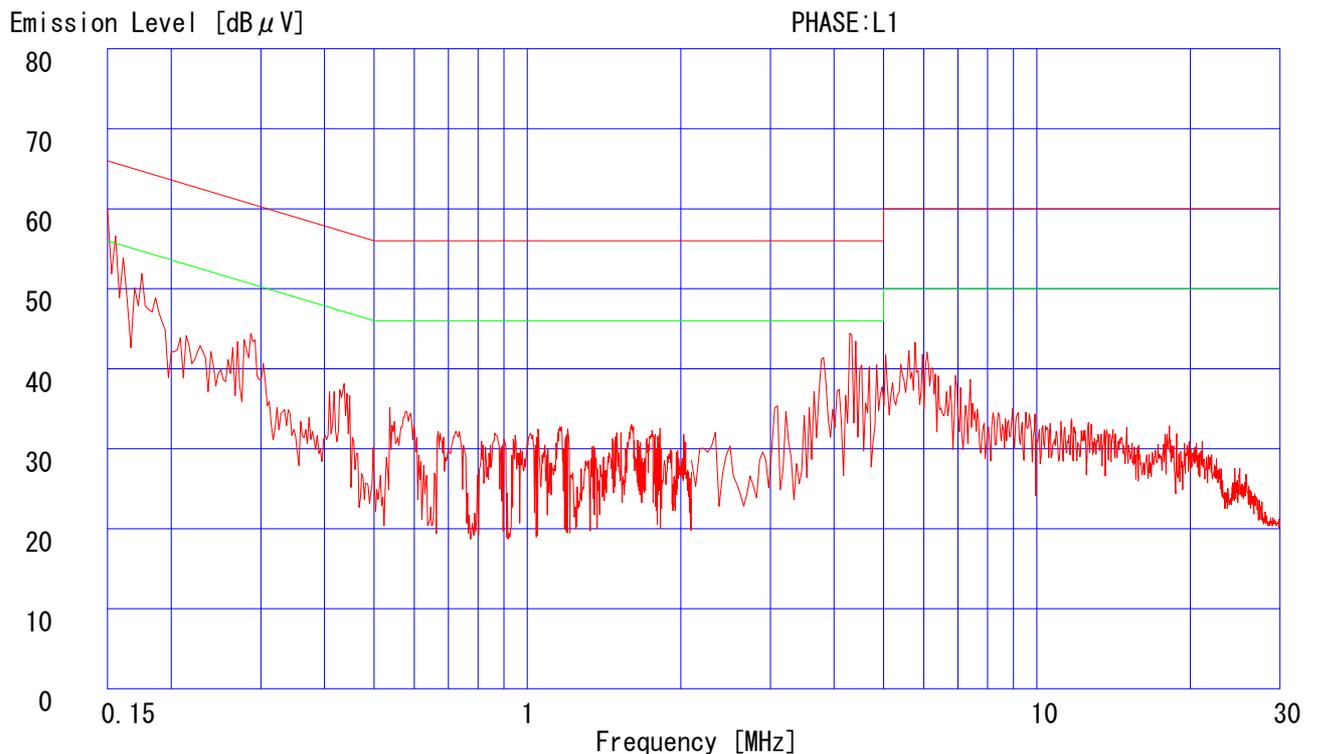
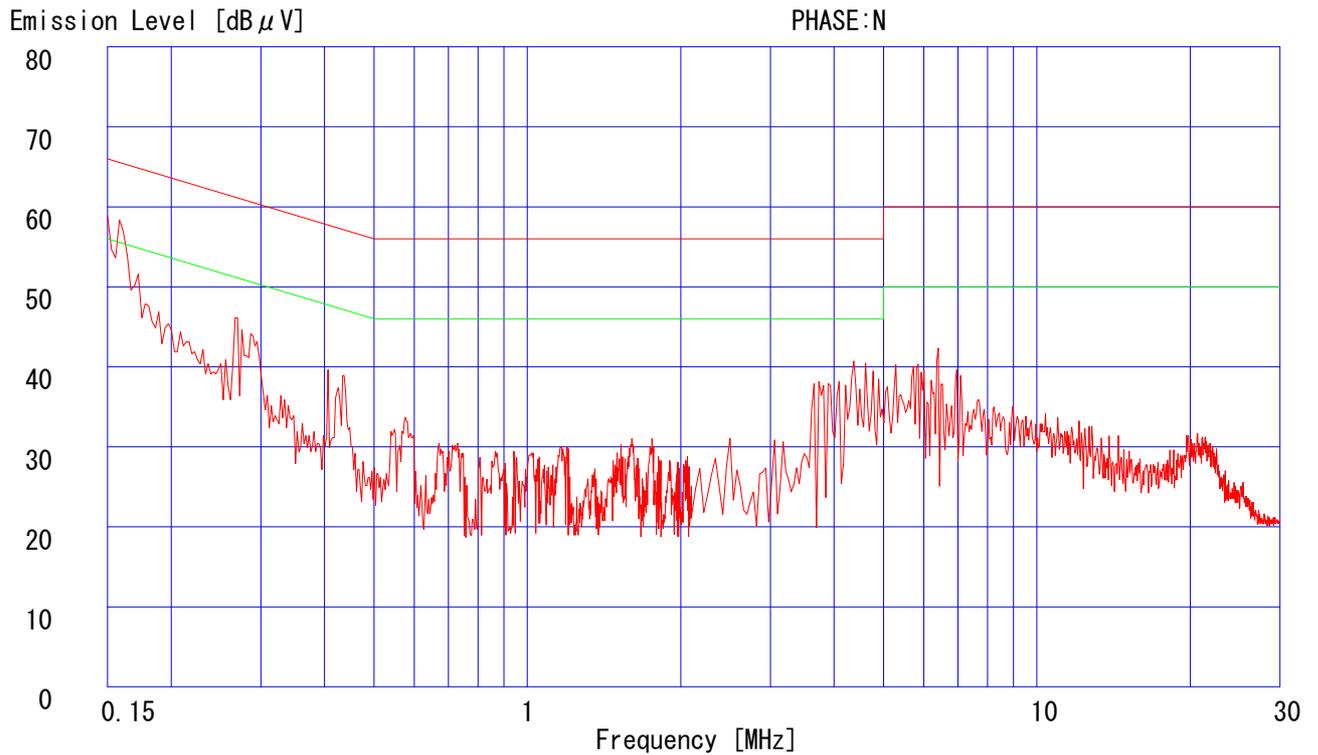
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Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2462MHz
Remarks : IEEE802.11b 11Mbps Antenna: Sub
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

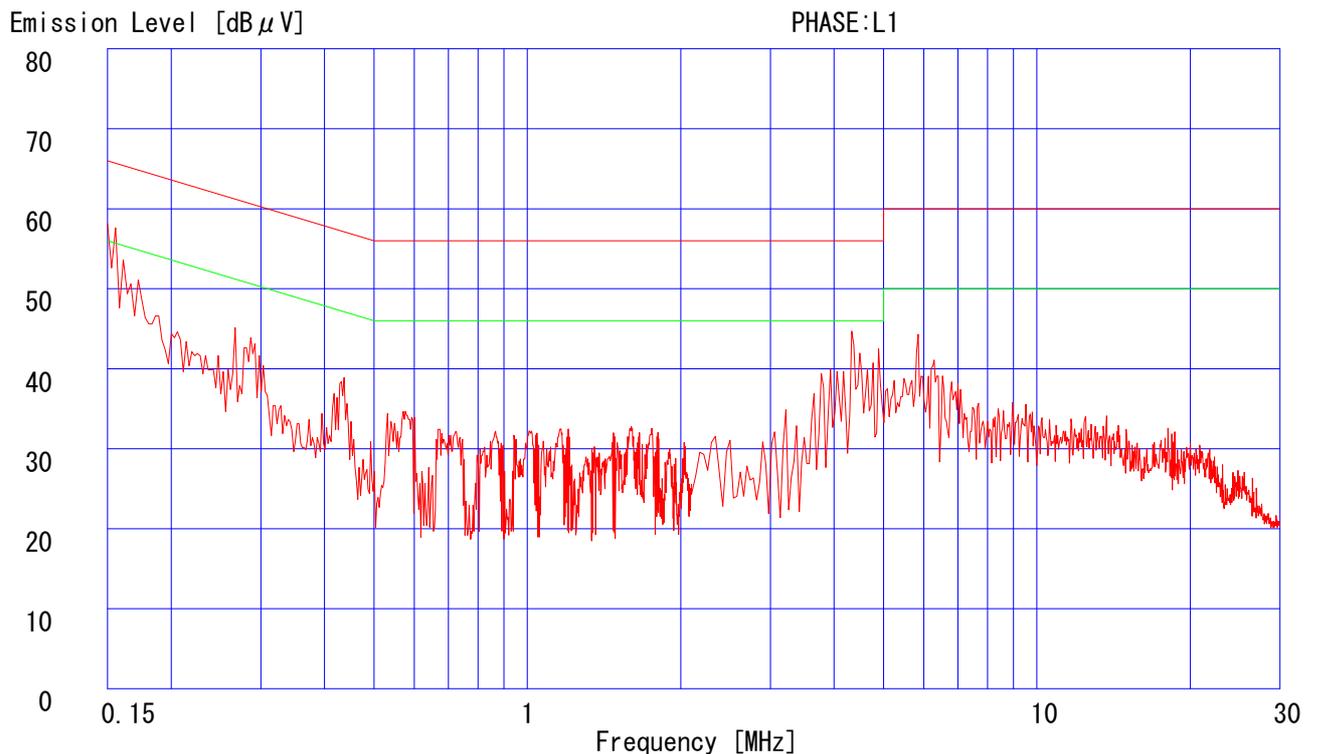
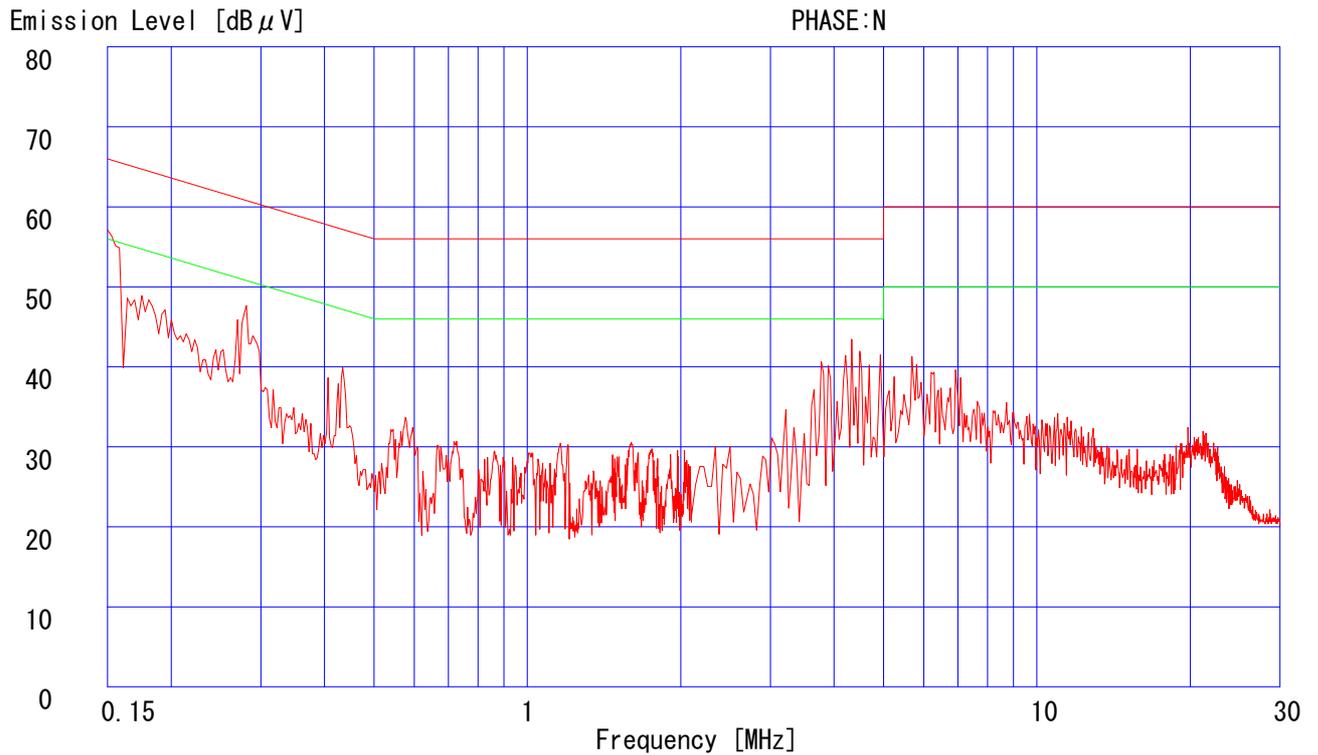
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2412MHz
Remarks : IEEE802.11g 54Mbps Antenna: Sub
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None
Engineer : Tatsuya Arai



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

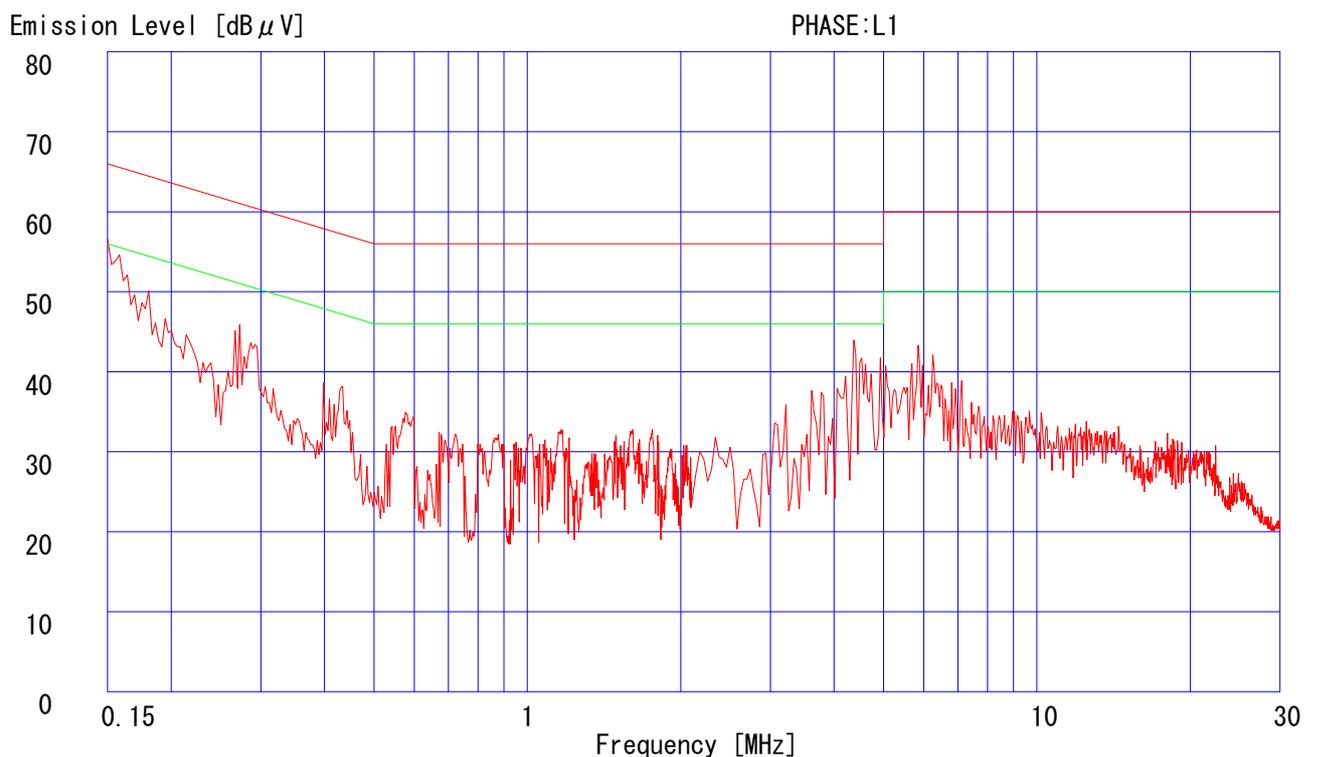
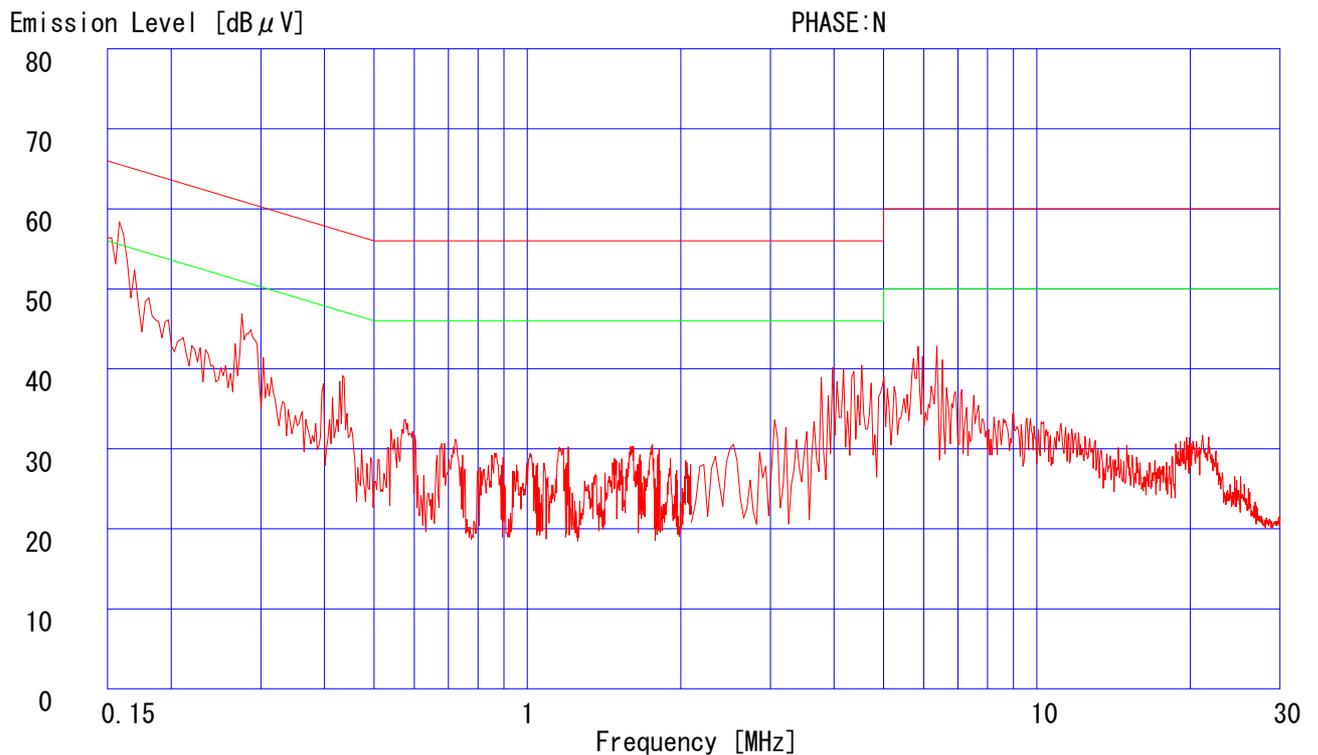
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2437MHz
Remarks : IEEE802.11g 54Mbps Antenna: Sub
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

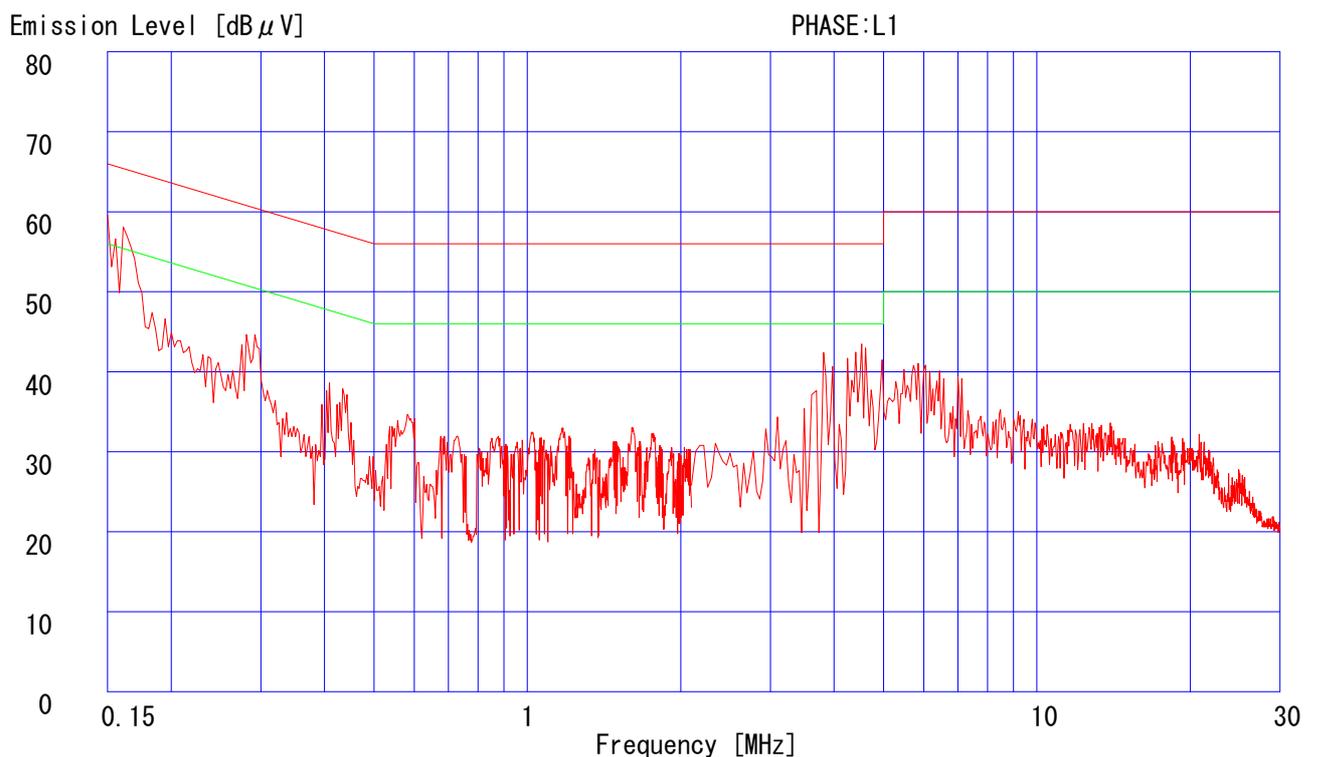
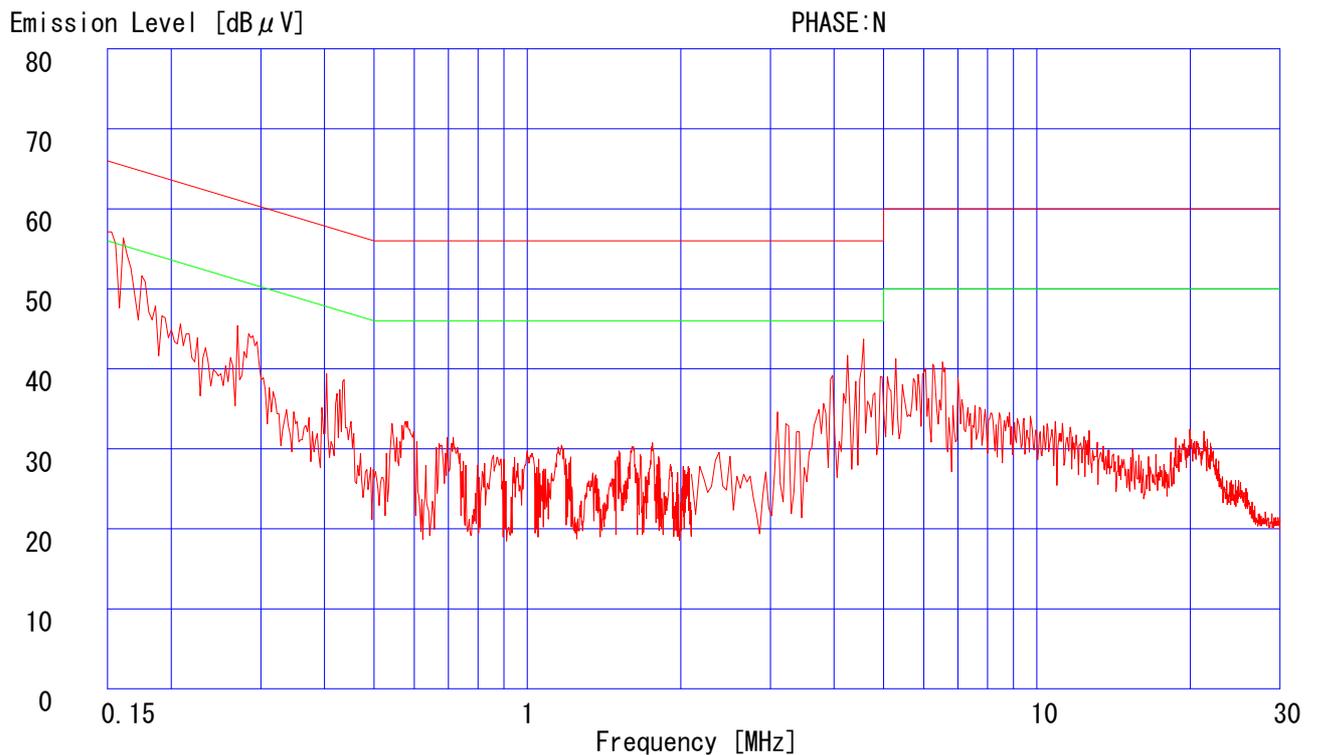
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Transmitting_2462MHz
Remarks : IEEE802.11g 54Mbps Antenna: Sub
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

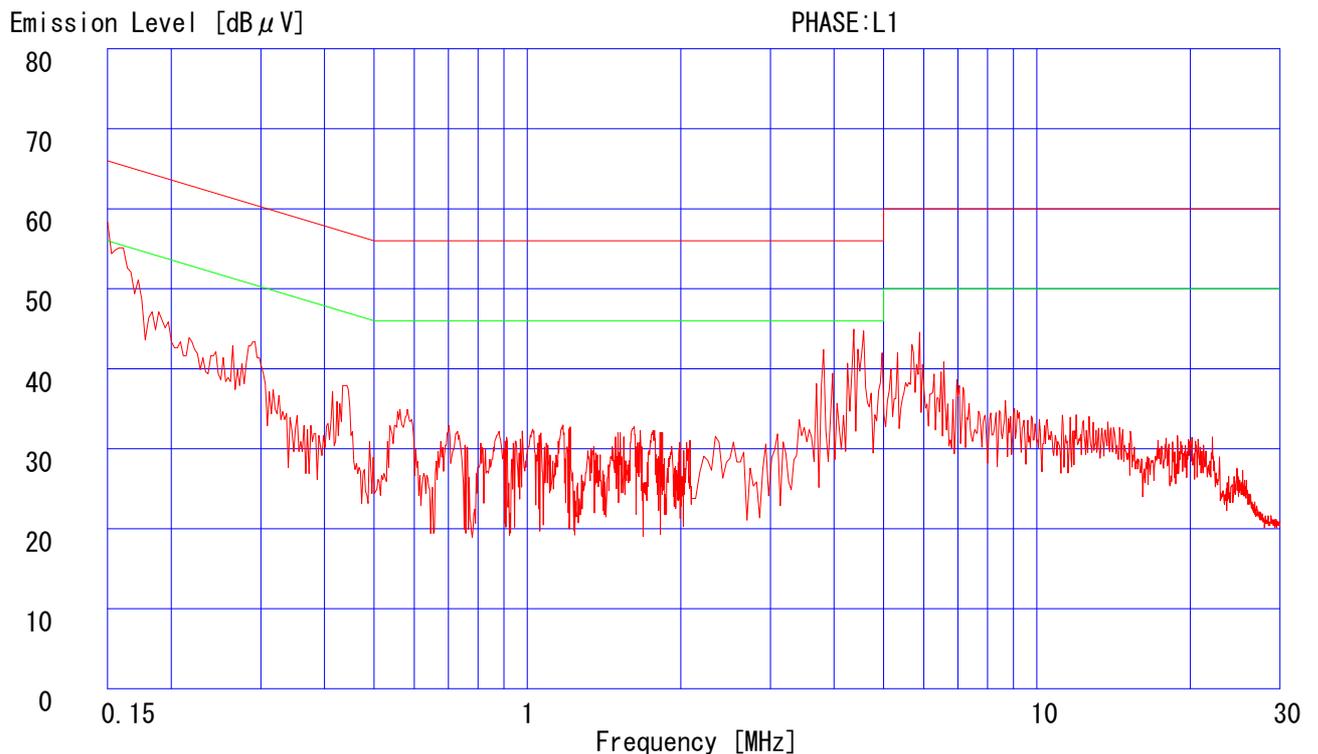
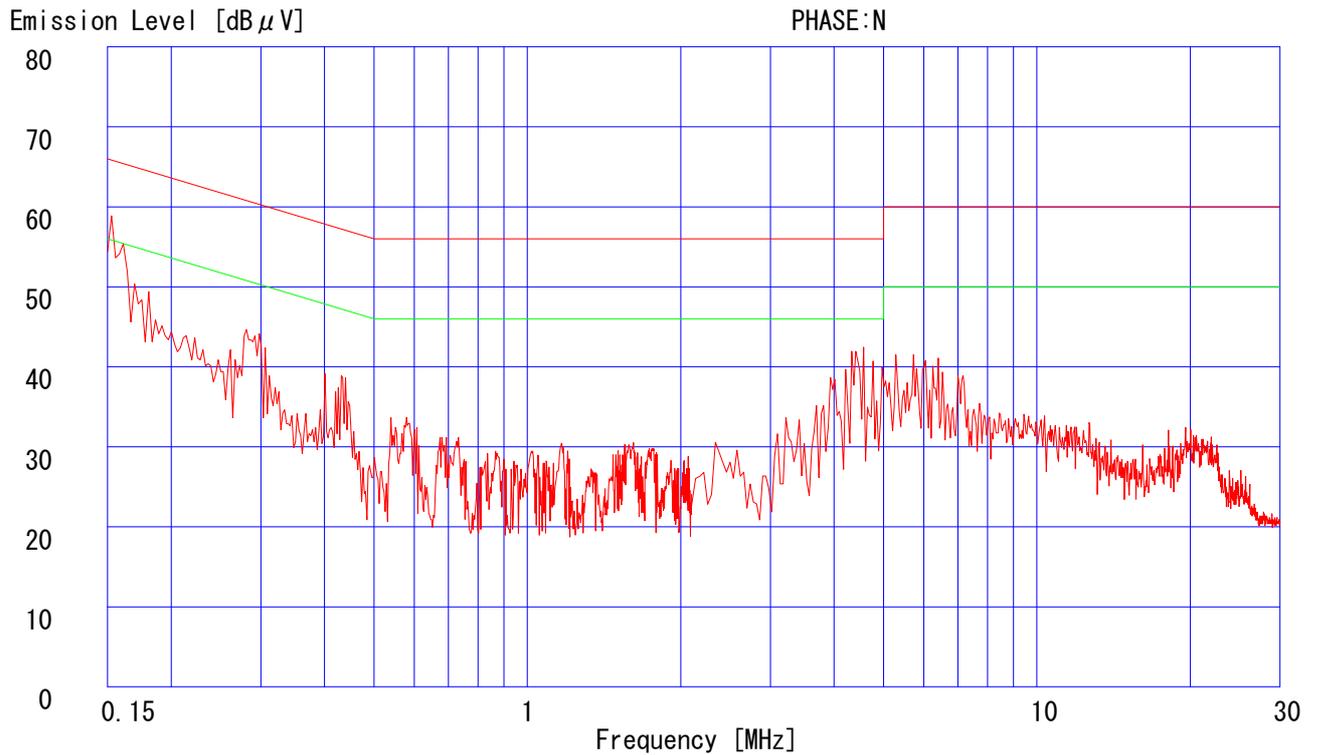
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Receiving_2437MHz
Remarks : IEEE802.11b 11Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

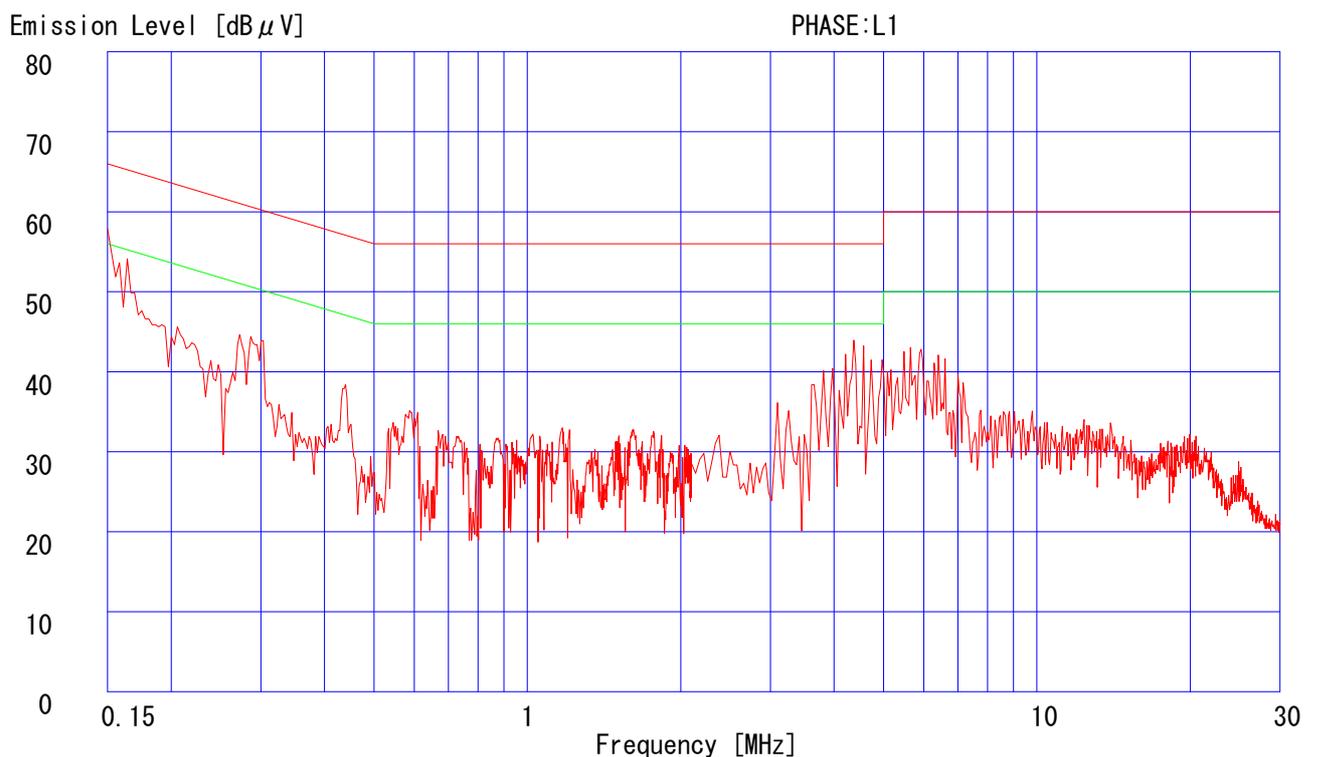
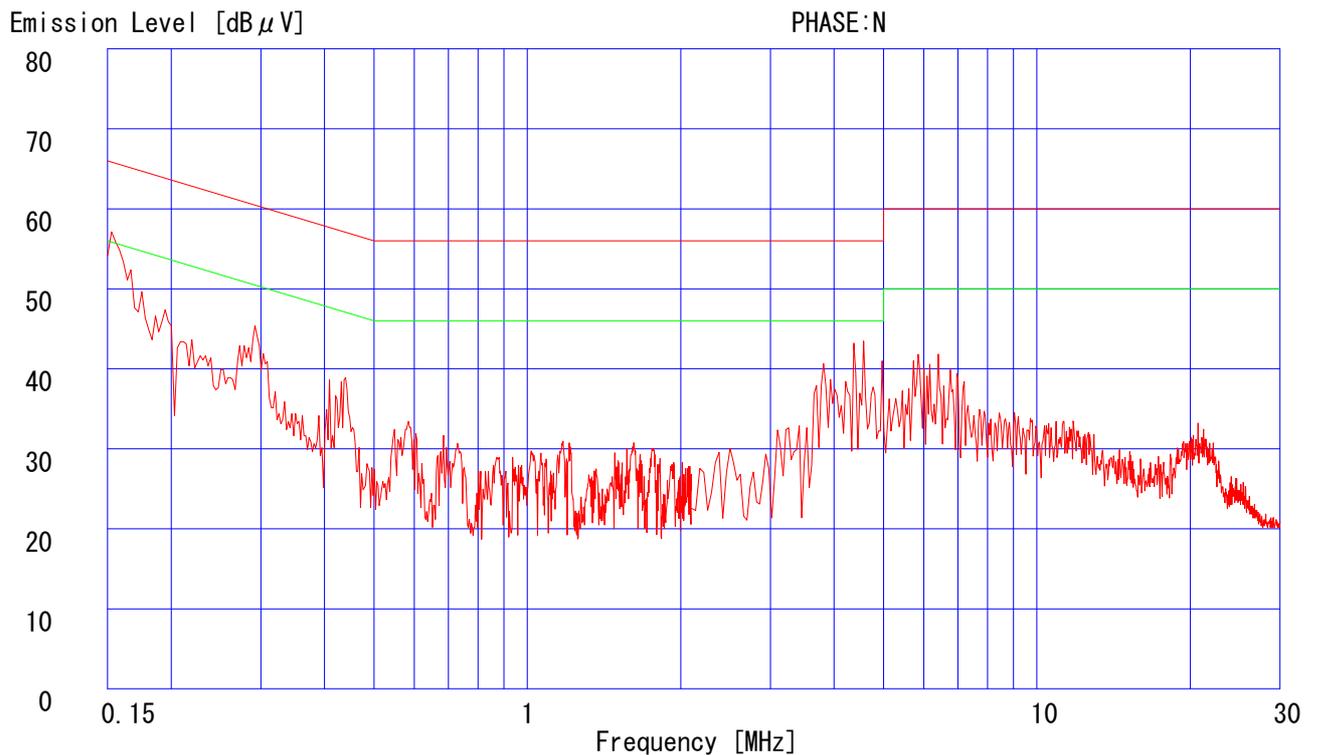
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Receiving_2437MHz
Remarks : IEEE802.11g 54Mbps Antenna: Main
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

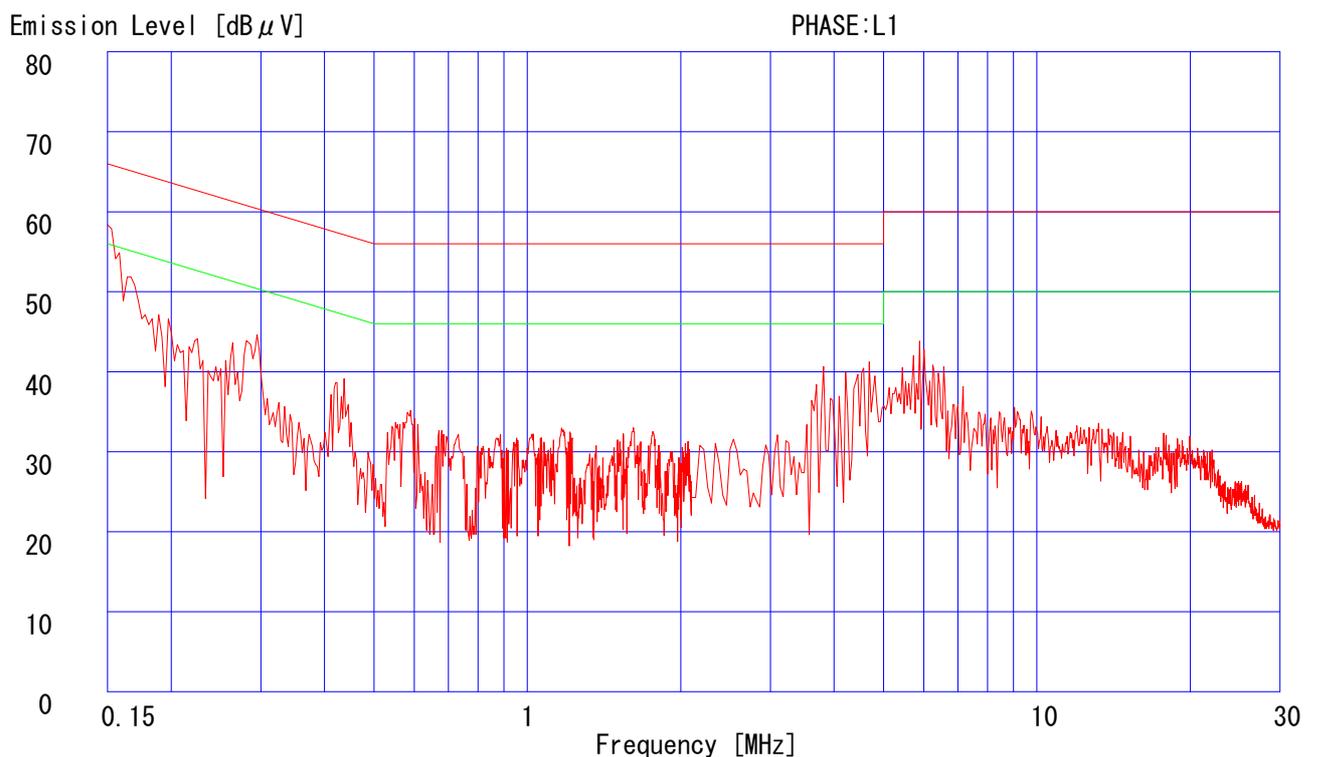
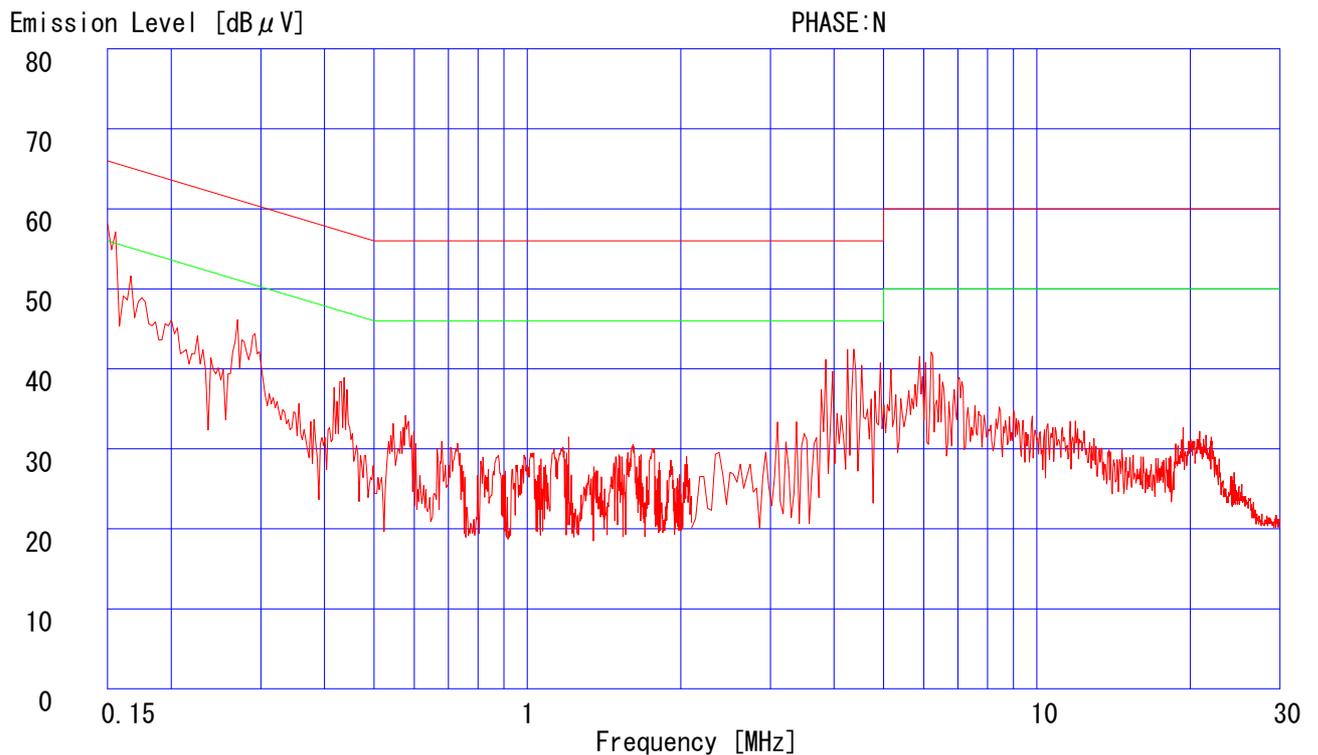
Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Receiving_2437MHz
Remarks : IEEE802.11b 11Mbps Antenna: Sub
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.2 SHIELD ROOM
Report No. : AF07023-A

Applicant : Sony Corporation
Kind of Equipment : Wireless LAN Module
Model No. : CAWM-001
Serial No. : XG60369NU6258
Power : DC3.3V
Mode : Receiving_2437MHz
Remarks : IEEE802.11g 54Mbps Antenna: Sub
Date : 3/17/2007
Phase : Single Phase
Temperature : 23 °C Engineer : Tatsuya Arai
Humidity : 33 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None



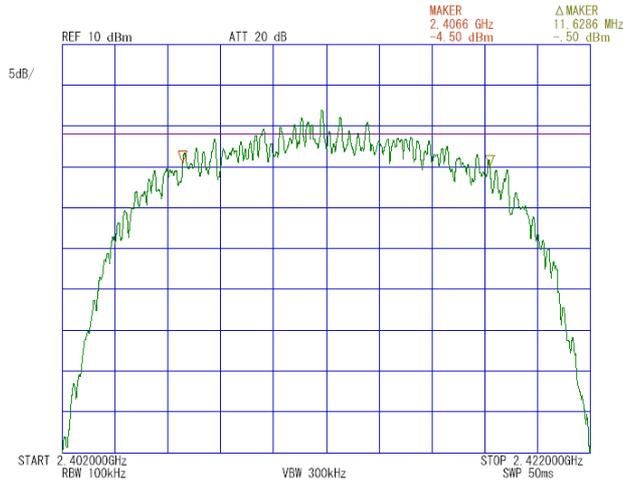
6dB Bandwidth: FCC 15.247(a)(2)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

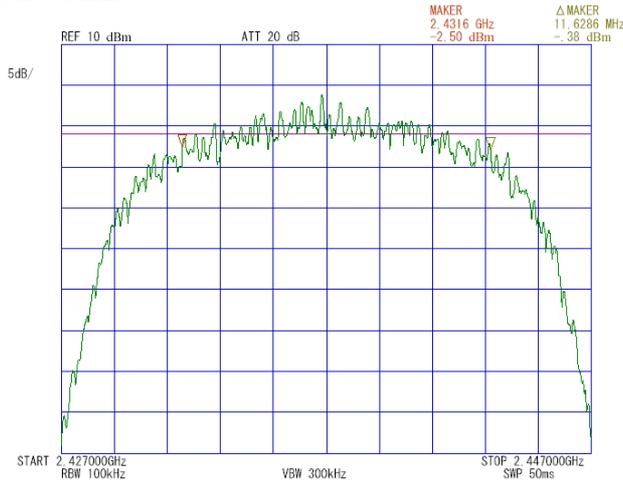
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(a)(2)
DATE : 2007/03/12
TEMP./HUMI : 24°C/33%
TEST MODE : Transmitting
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11b(11Mbps)]

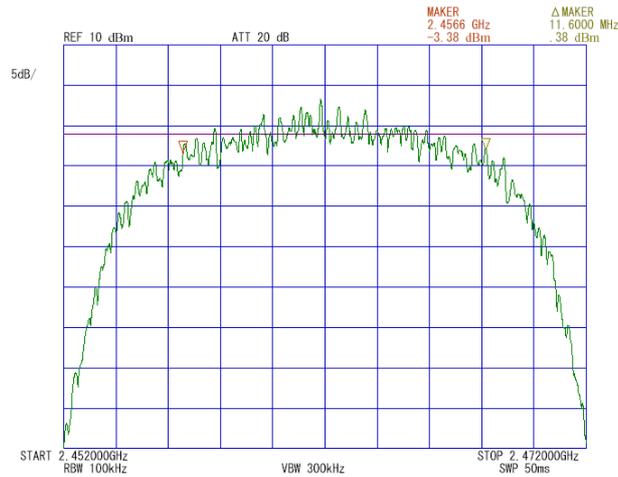
1. ch 1: 2412MHz/6dB Bandwidth:11.63MHz



2. ch 6: 2437MHz/6dB Bandwidth:11.63MHz



3. ch 11: 2462MHz/6dB Bandwidth:11.60MHz



6dB Bandwidth: FCC 15.247(a)(2)

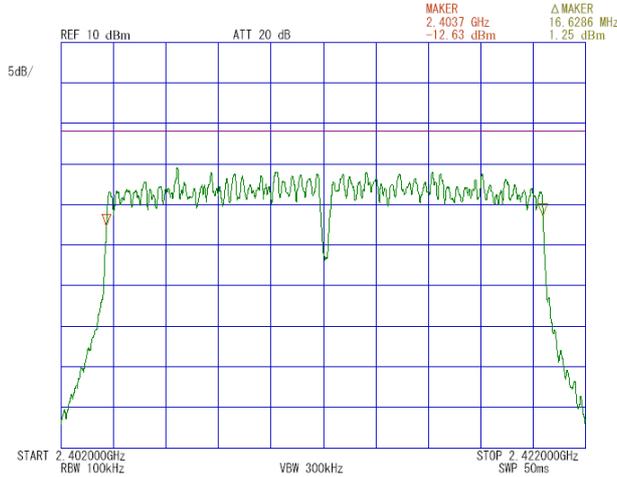
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(a)(2)
DATE : 2007/03/12
TEMP./HUMI : 24°C/33%
TEST MODE : Transmitting
ENGINEER : Tatsuya Arai

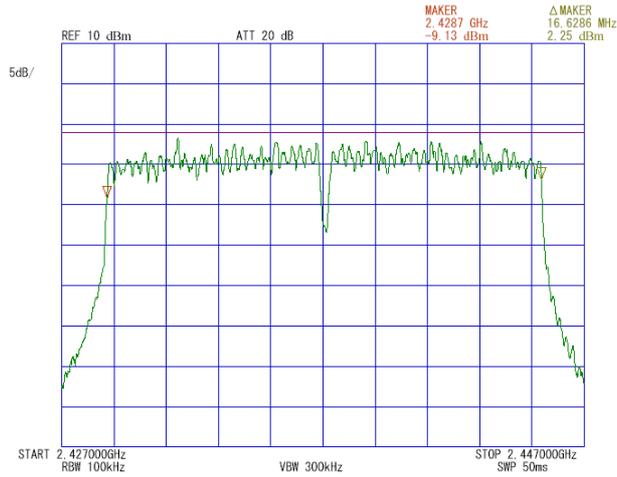
Main Antenna

[IEEE802.11g(54Mbps)]

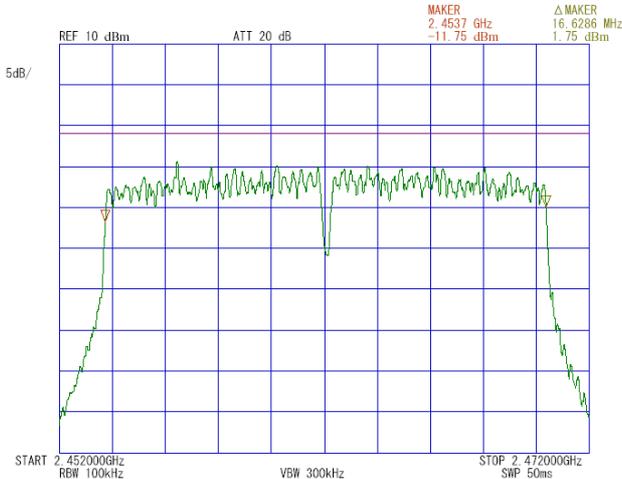
1. ch 1: 2412MHz/6dB Bandwidth:16.63MHz



2. ch 6: 2437MHz/6dB Bandwidth:16.63MHz



3. ch 11: 2462MHz/6dB Bandwidth:16.63MHz



6dB Bandwidth: FCC 15.247(a)(2)

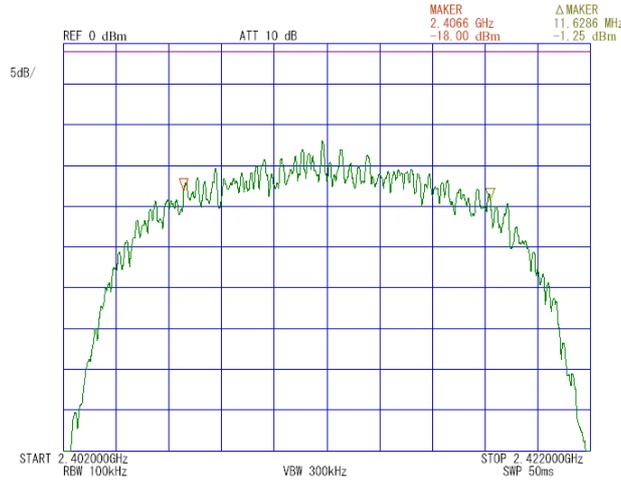
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(a)(2)
DATE : 2007/03/12
TEMP./HUMI : 24°C/33%
TEST MODE : Transmitting
ENGINEER : Tatsuya Arai

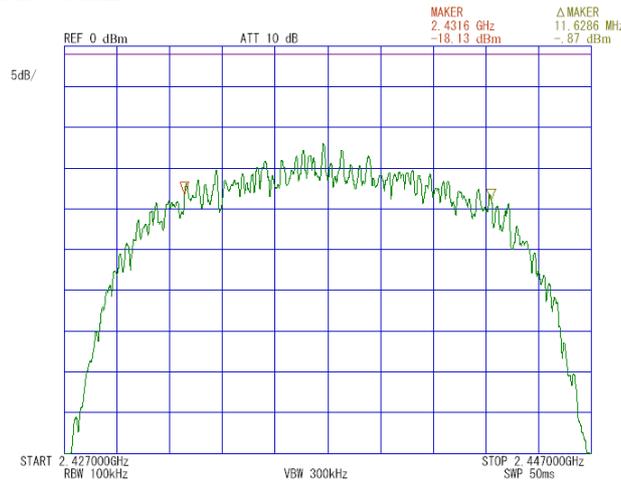
Sub Antenna

[IEEE802.11b(11Mbps)]

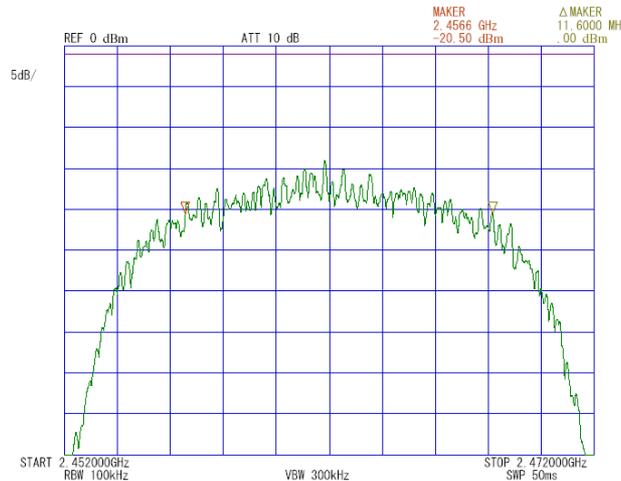
1. ch 1: 2412MHz/6dB Bandwidth:11.63MHz



2. ch 6: 2437MHz/6dB Bandwidth:11.63MHz



3. ch 11: 2462MHz/6dB Bandwidth:11.60MHz



6dB Bandwidth: FCC 15.247(a)(2)

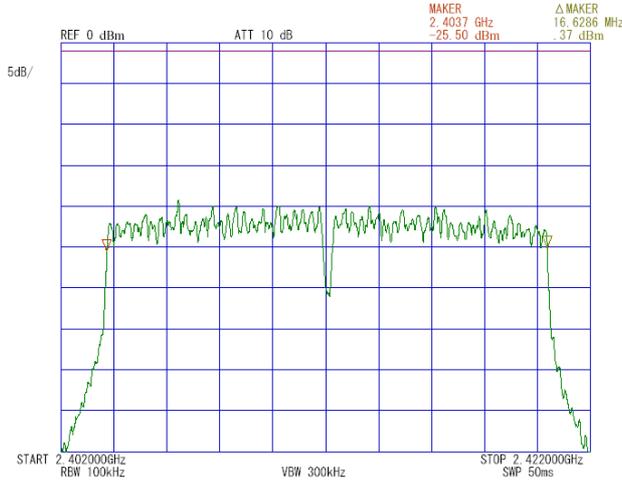
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(a)(2)
DATE : 2007/03/12
TEMP./HUMI : 24°C/33%
TEST MODE : Transmitting
ENGINEER : Tatsuya Arai

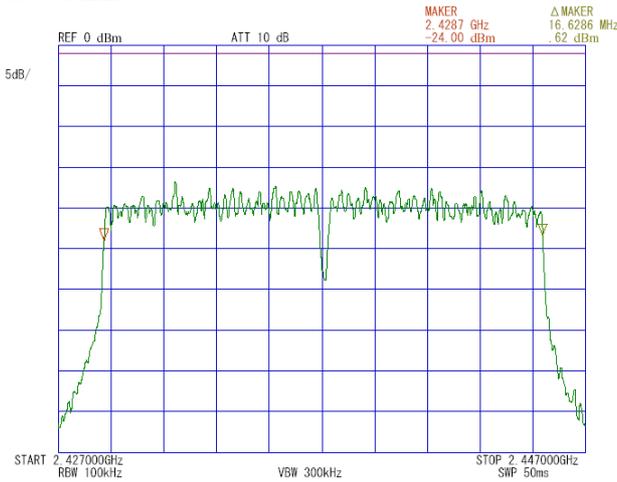
Main Antenna

[IEEE802.11g(54Mbps)]

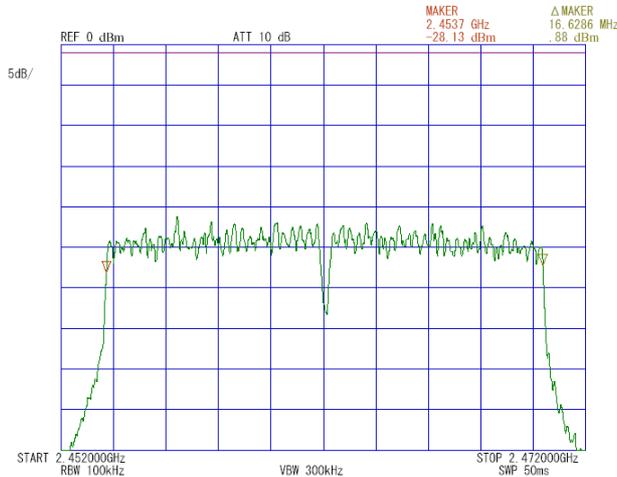
1. ch 1: 2412MHz/6dB Bandwidth:16.63MHz



2. ch 6: 2437MHz/6dB Bandwidth:16.63MHz



3. ch 11: 2462MHz/6dB Bandwidth:16.63MHz



Maximum Peak Conducted Output Power

UL Apex Co.,Ltd
YAMAKITA NO.1 Shielded Room

COMPANY : Sony Corporation	REPORT NO : AF07023-A
EQUIPMENT : Wireless LAN Module	REGULATION : Fcc Part15SubpartC 247(b)(3)
MODEL NUMBE: CAWM-001	DATE : 2007/03/12
SERIAL NUMBE: XG60369NU6258	TEMP./HUMI : 24°C/33%
FCC ID : AK814798212X	
POWER : DC3.3V	
TEST MODE : Transmitting	

ENGINEER : Tatsuya Arai

Main Antenna

IEEE802.11b(11Mbps)

CH	FREQ [GHz]	PM Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (1W) [dBm]	MARGIN [dB]
Low	2412.00	15.70	0.4	16.10	30.0	13.90
Mid	2437.00	17.42	0.4	17.82	30.0	12.18
High	2462.00	16.23	0.4	16.63	30.0	13.37

IEEE802.11g(54Mbps)

CH	FREQ [GHz]	PM Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (1W) [dBm]	MARGIN [dB]
Low	2412.00	19.00	0.4	19.40	30.0	10.60
Mid	2437.00	20.89	0.4	21.29	30.0	8.71
High	2462.00	19.06	0.4	19.46	30.0	10.54

Sub Antenna

IEEE802.11b(11Mbps)

CH	FREQ [GHz]	PM Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (1W) [dBm]	MARGIN [dB]
Low	2412.00	0.90	0.4	1.30	30.0	28.70
Mid	2437.00	1.19	0.4	1.59	30.0	28.41
High	2462.00	-1.20	0.4	-0.80	30.0	30.80

IEEE802.11g(54Mbps)

CH	FREQ [GHz]	PM Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (1W) [dBm]	MARGIN [dB]
Low	2412.00	4.55	0.4	4.95	30.0	25.05
Mid	2437.00	6.52	0.4	6.92	30.0	23.08
High	2462.00	2.90	0.4	3.30	30.0	26.70

Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

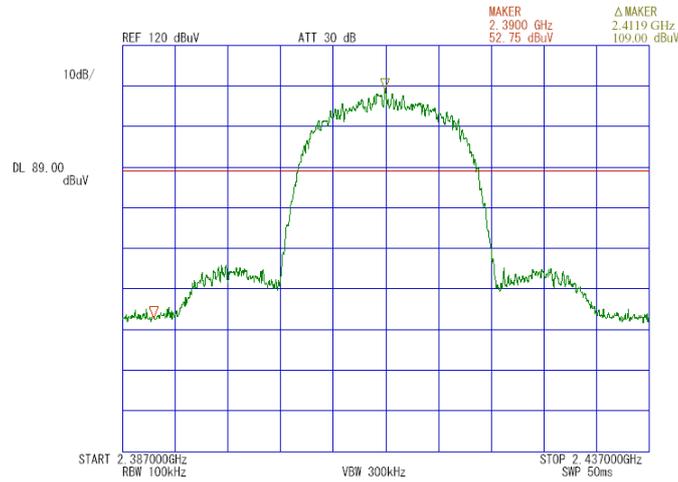
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

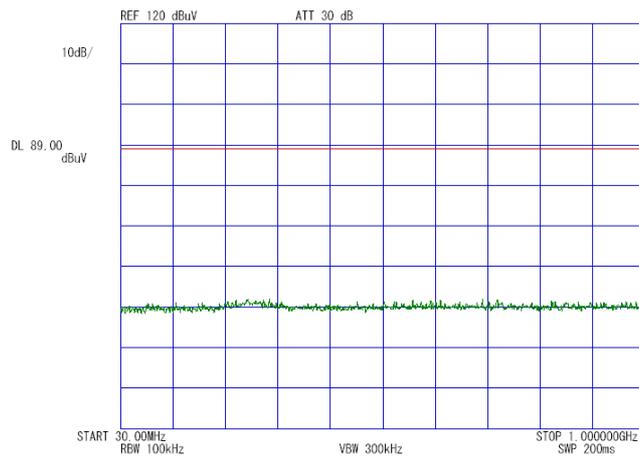
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11b(11Mbps)]
Ch:2412MHz

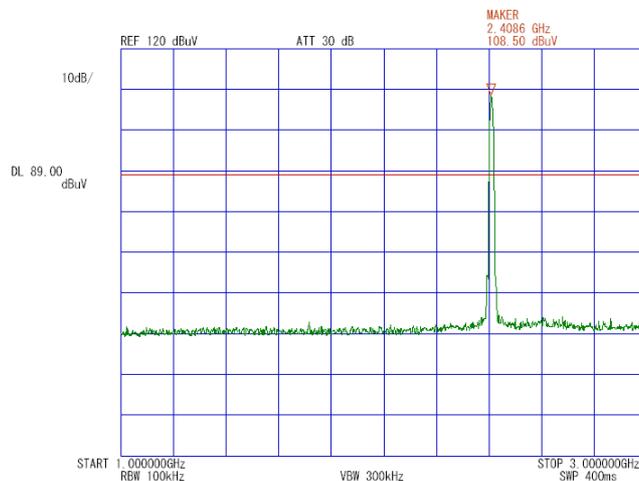
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2.



3.



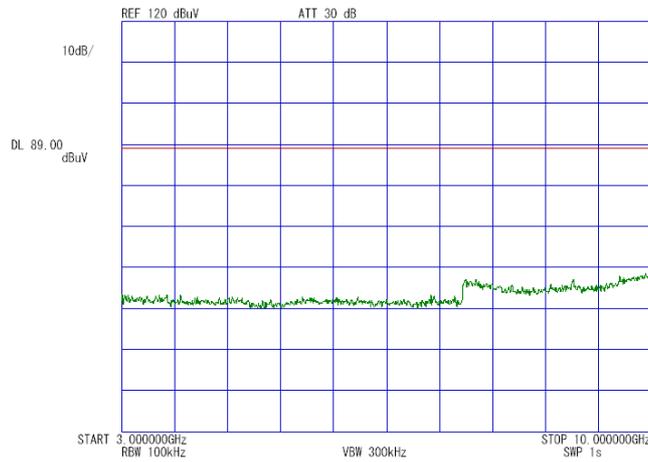
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

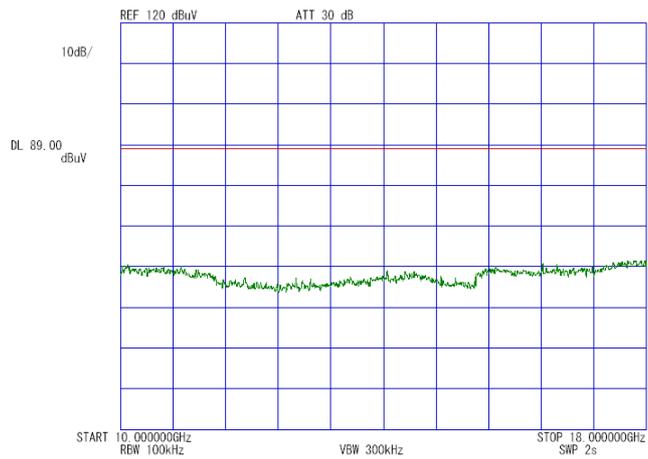
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11b(11Mbps)]
Ch:2412MHz

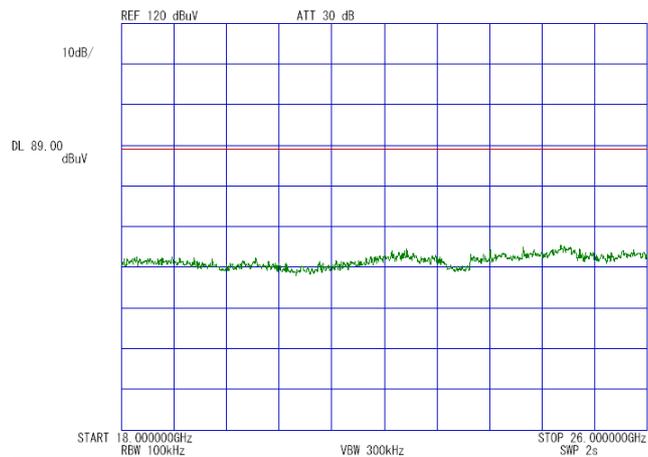
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5.



6.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

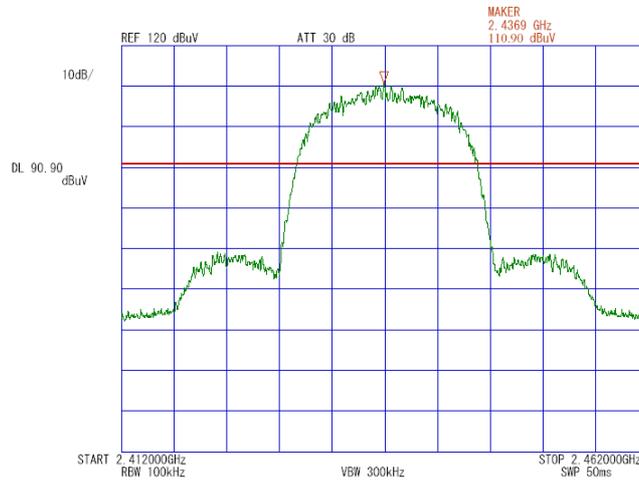
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

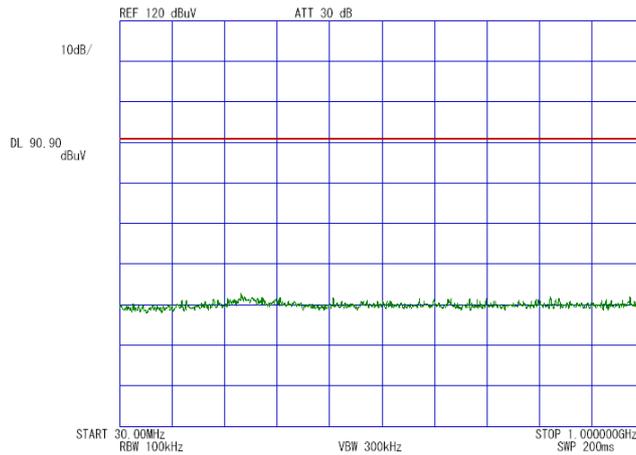
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11b(11Mbps)]
Ch:2437MHz

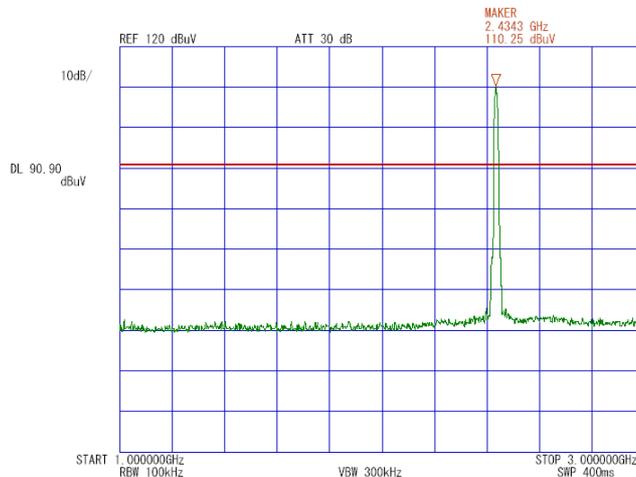
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2.



3.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

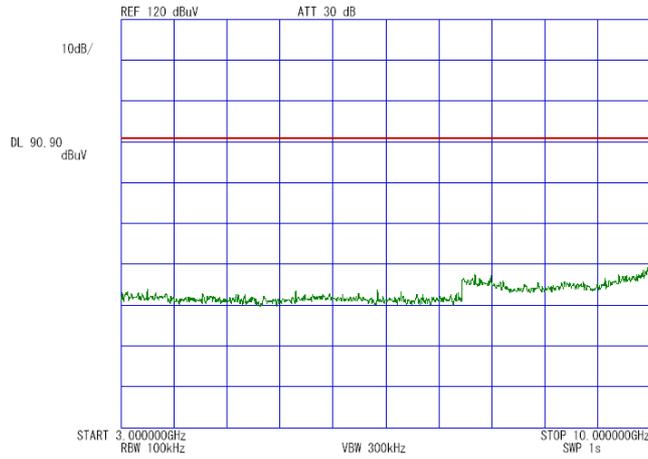
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

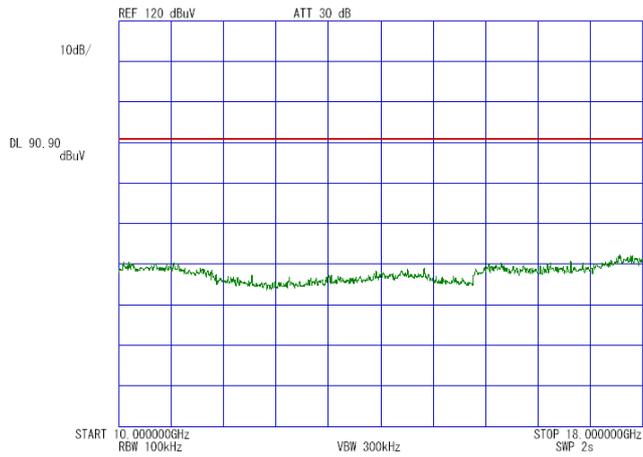
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11b(11Mbps)]
Ch:2437MHz

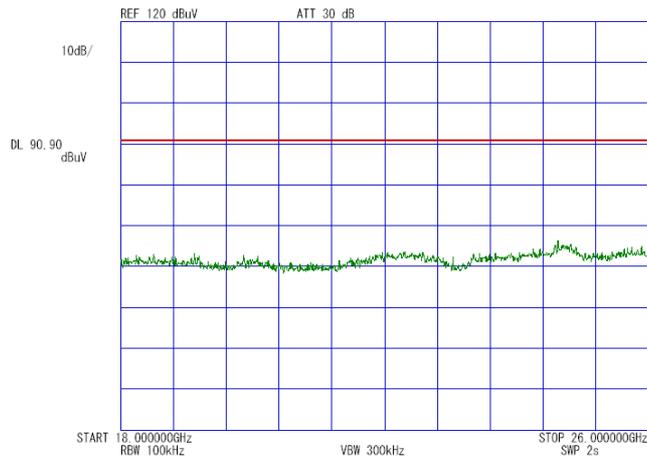
4.



5.



6.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

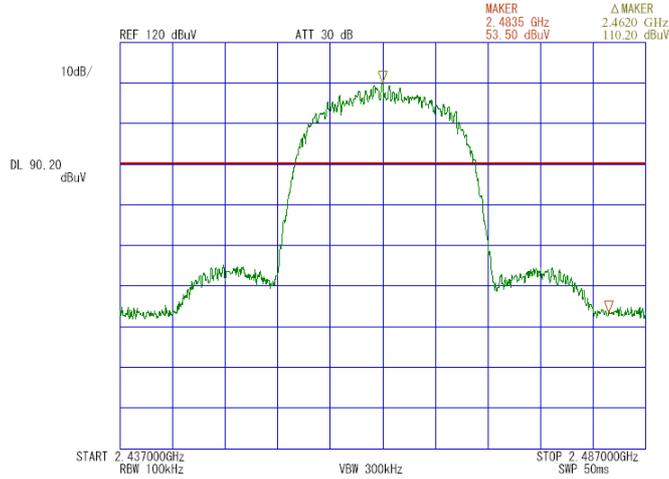
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

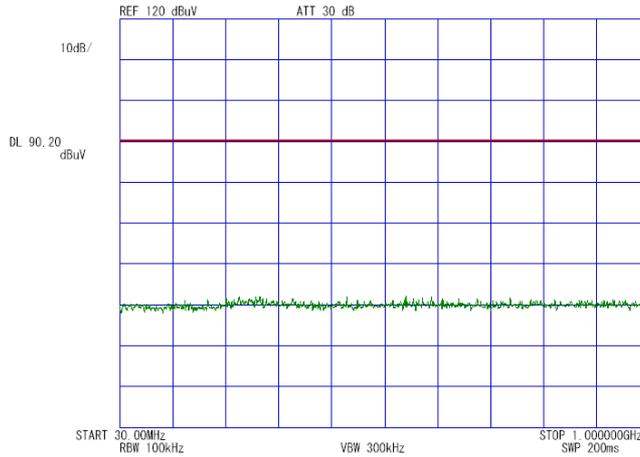
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11b(11Mbps)]
Ch:2462MHz

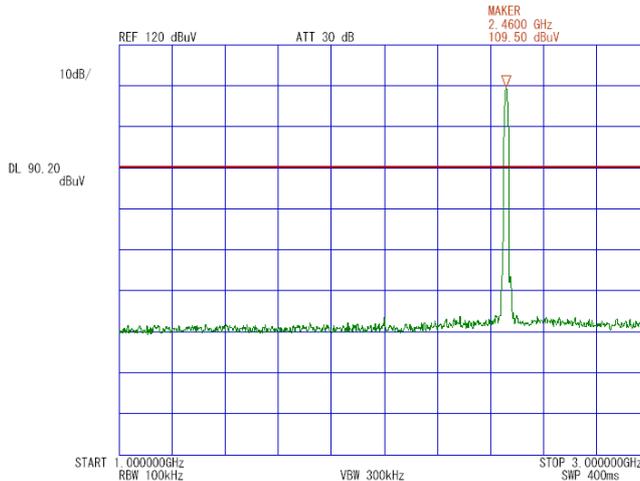
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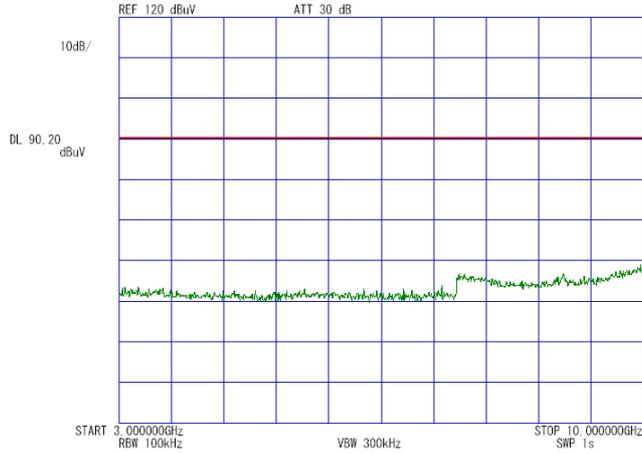
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

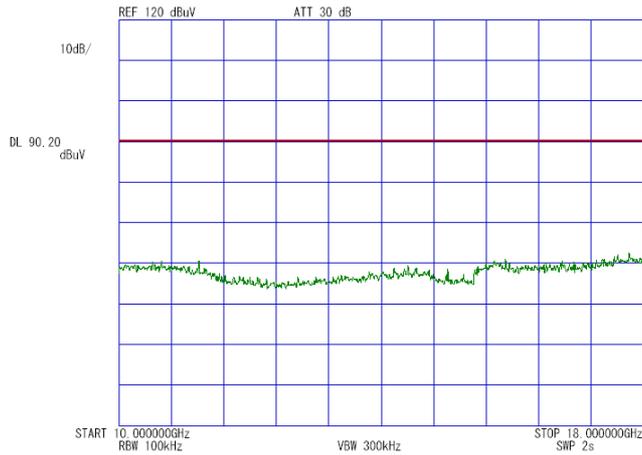
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11b(11Mbps)]
Ch:2462MHz

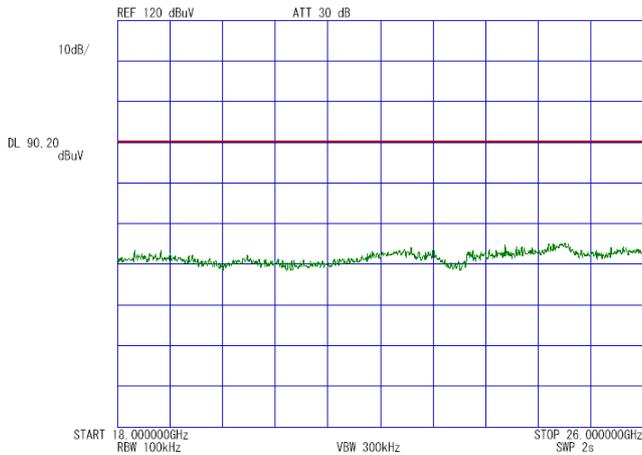
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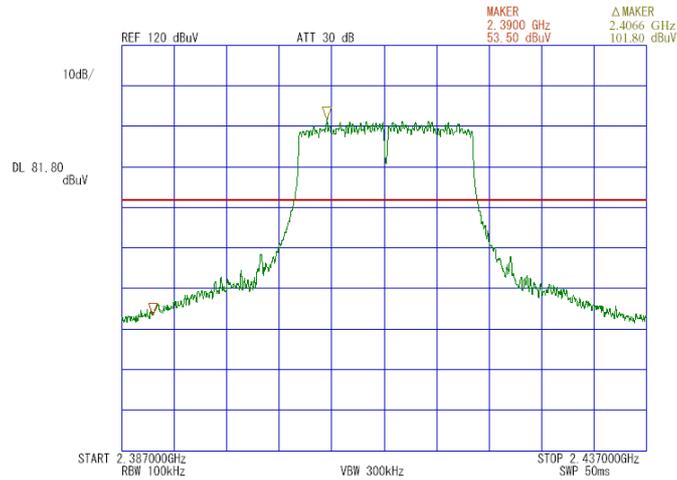
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

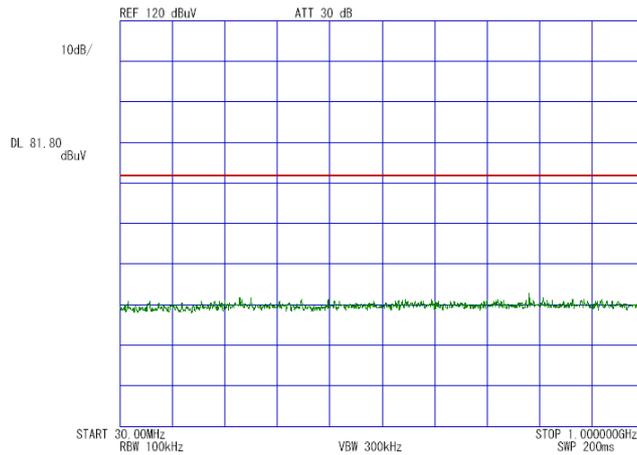
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11g(54Mbps)]
Ch:2412MHz

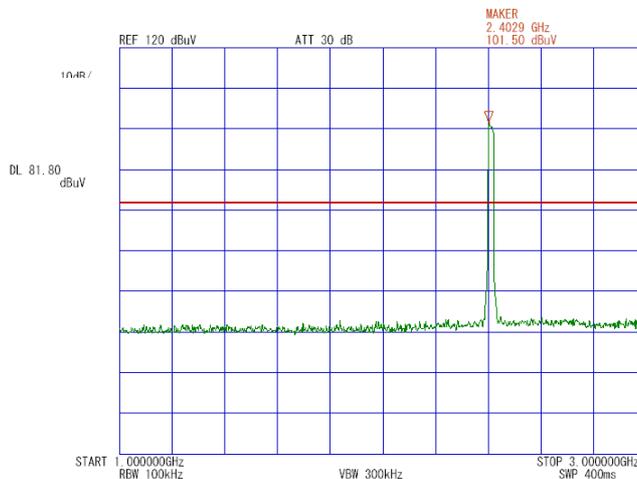
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

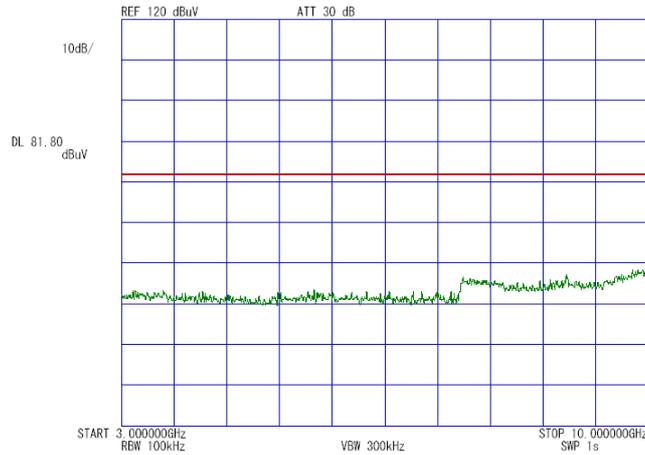
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
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POWER : DC3.3V

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

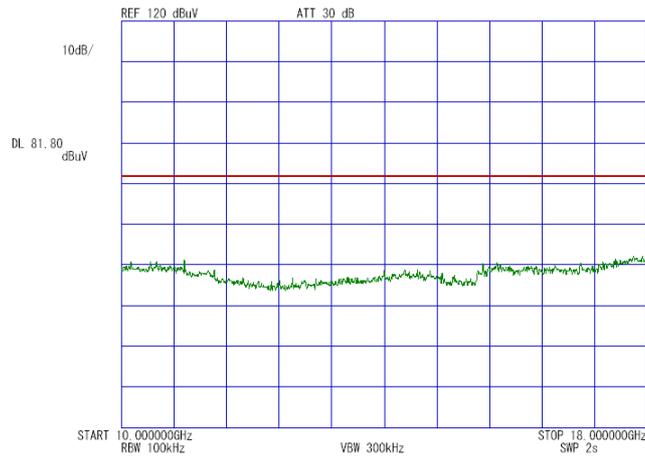
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11g(54Mbps)]
Ch:2412MHz

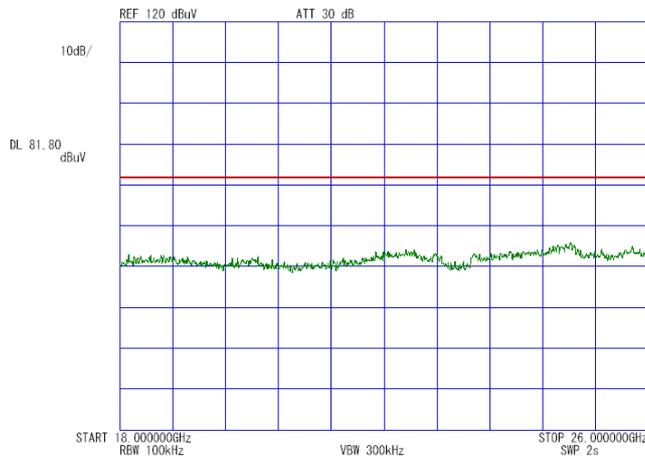
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

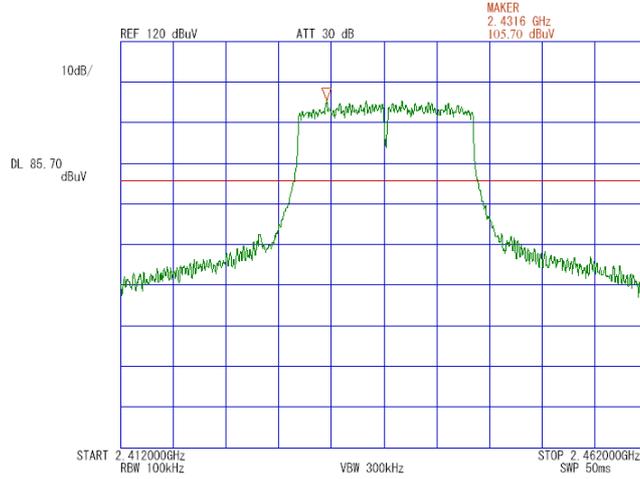
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

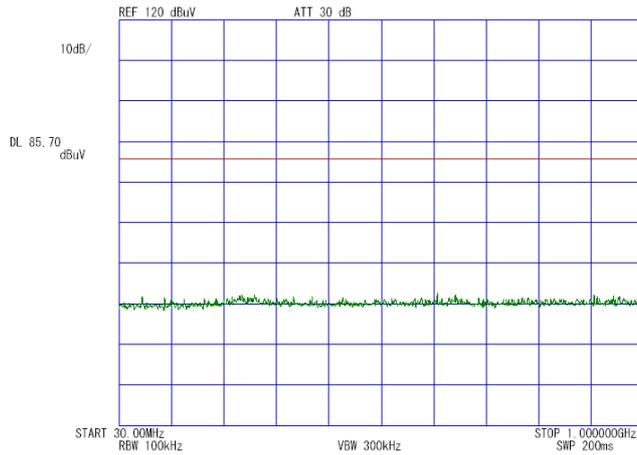
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11g(54Mbps)]
Ch:2437MHz

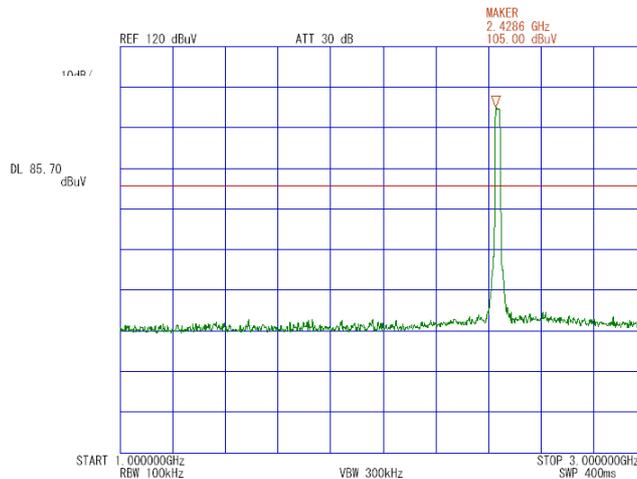
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

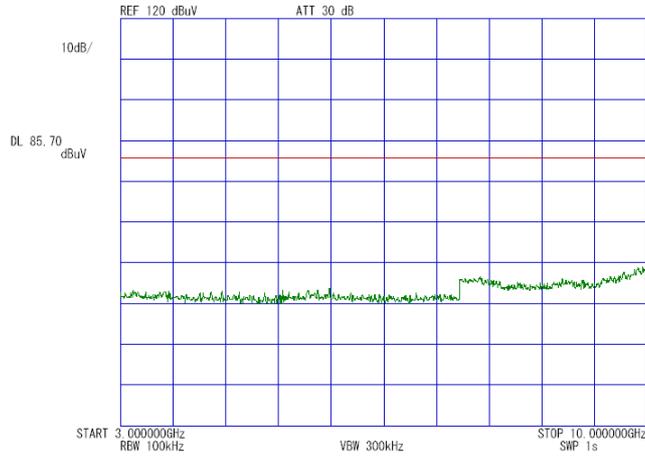
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

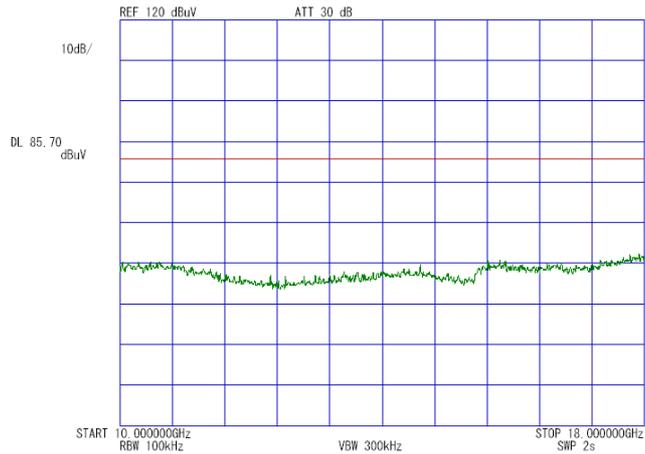
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11g(54Mbps)]
Ch:2437MHz

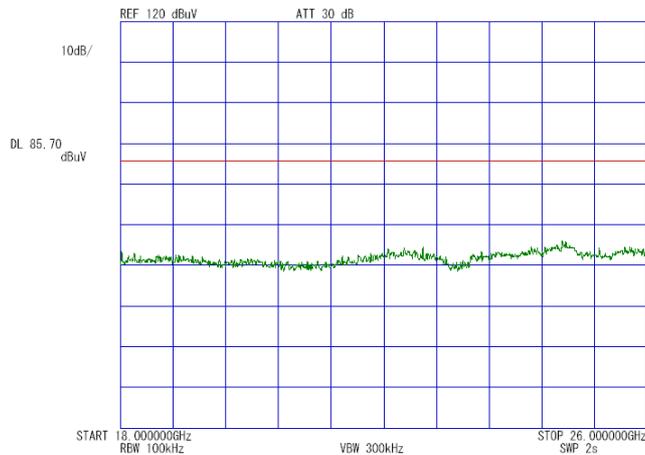
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5.



6.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

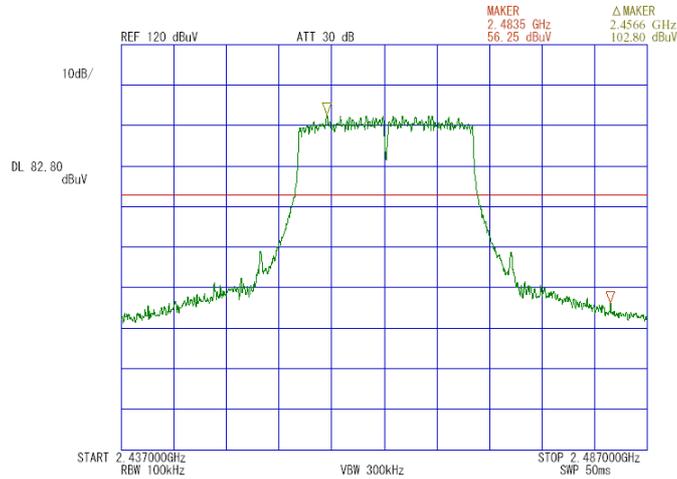
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

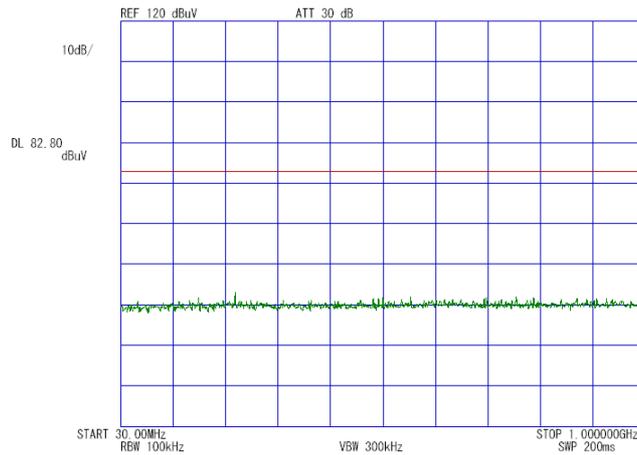
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11g(54Mbps)]
Ch:2462MHz

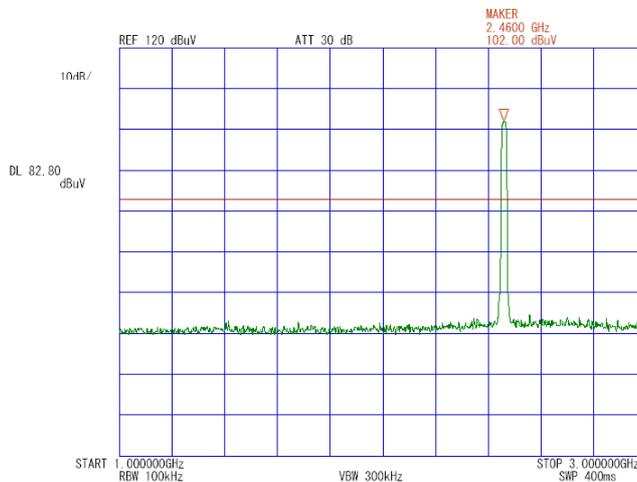
1.



2.



3.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

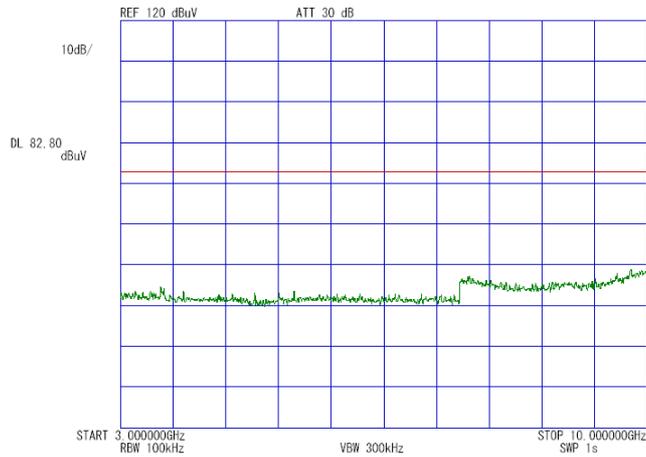
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

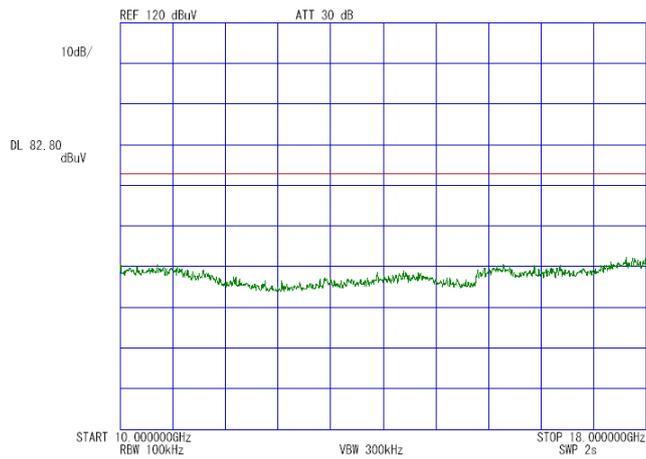
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11g(54Mbps)]
Ch:2462MHz

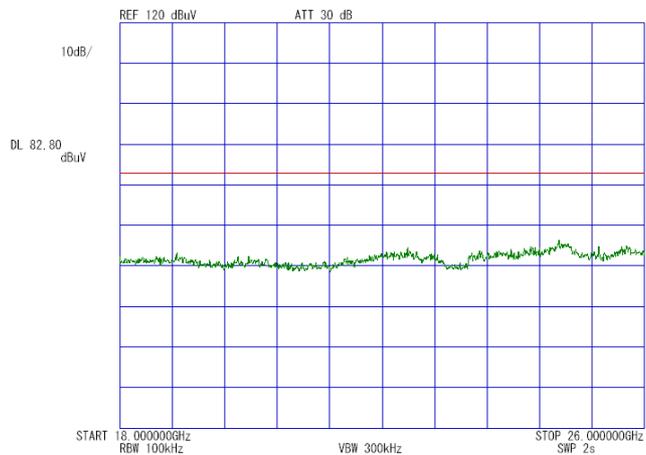
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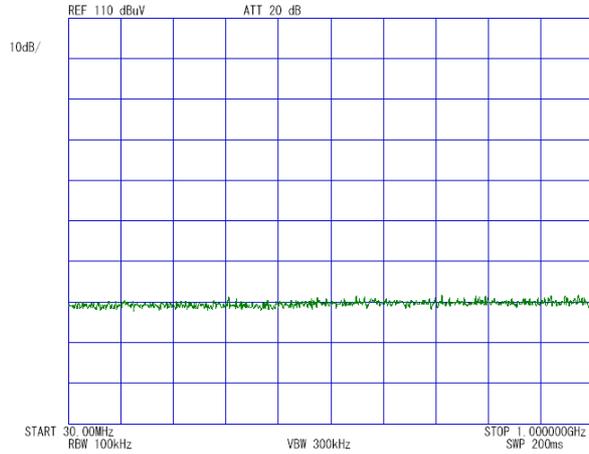
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

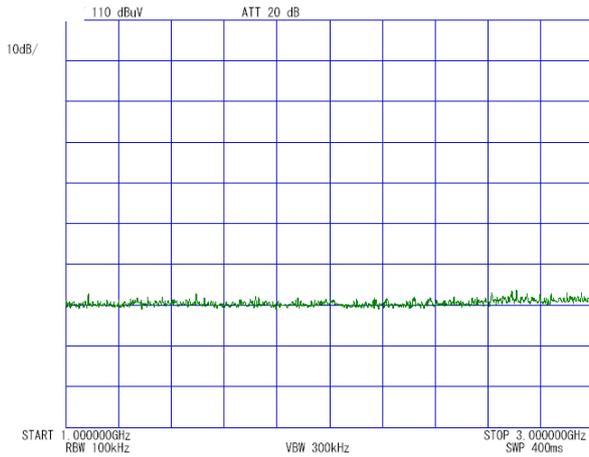
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%
ENGINEER : Tatsuya Arai

Main Antenna
[IEEE802.11g(54Mbps)] Rx
Ch:2462MHz

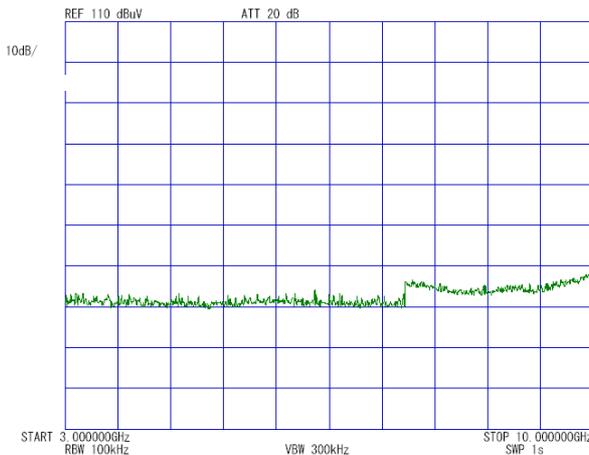
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2.



3.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

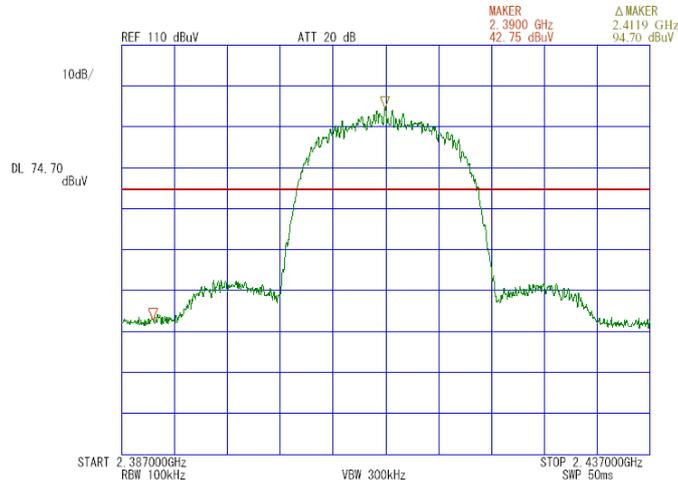
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

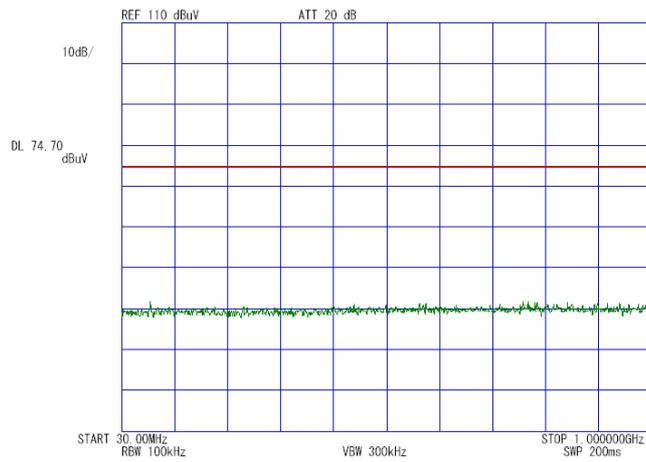
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11b(11Mbps)]
Ch:2412MHz

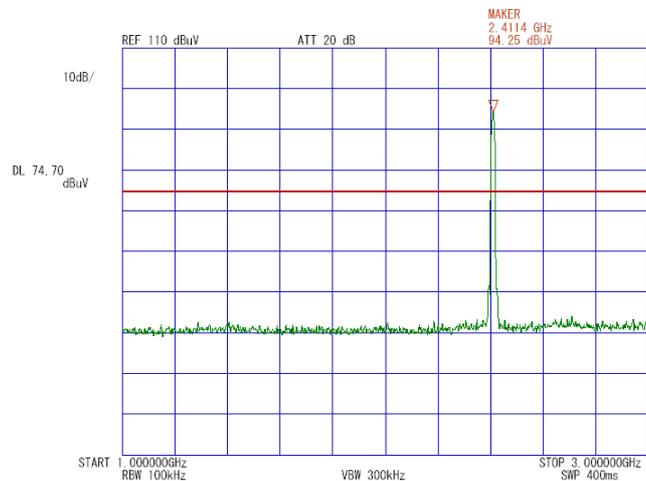
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2.



3.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

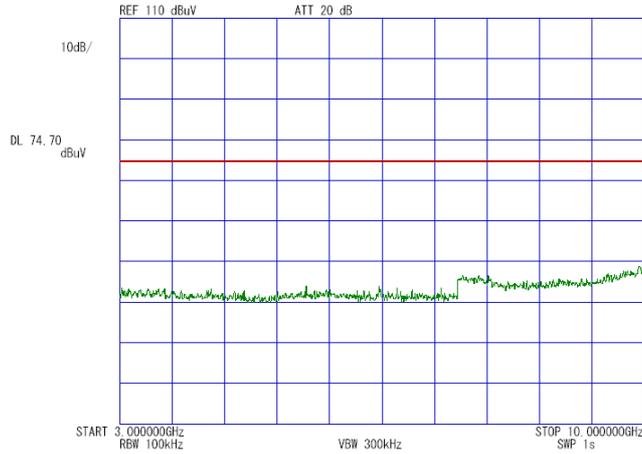
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

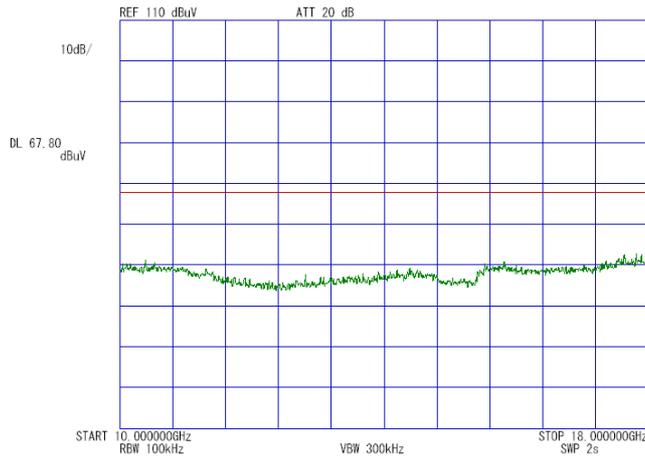
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11b(11Mbps)]
Ch:2412MHz

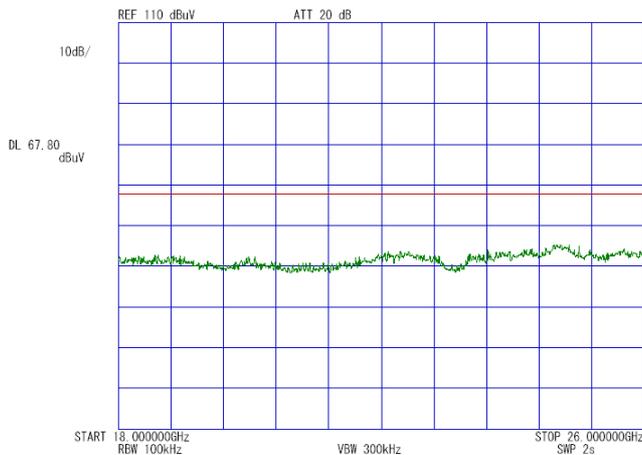
4.



5.



6.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

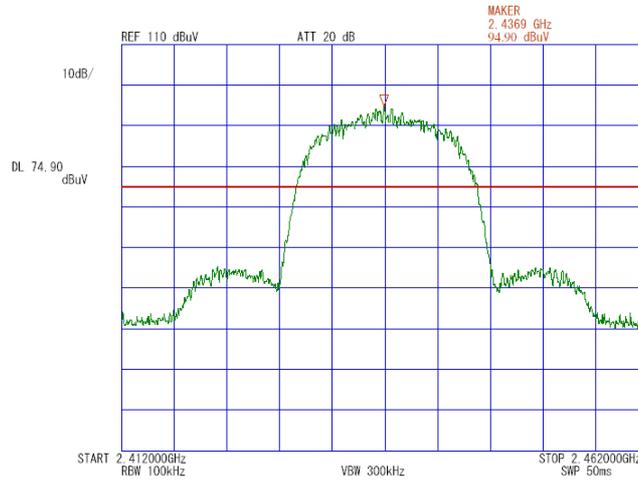
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

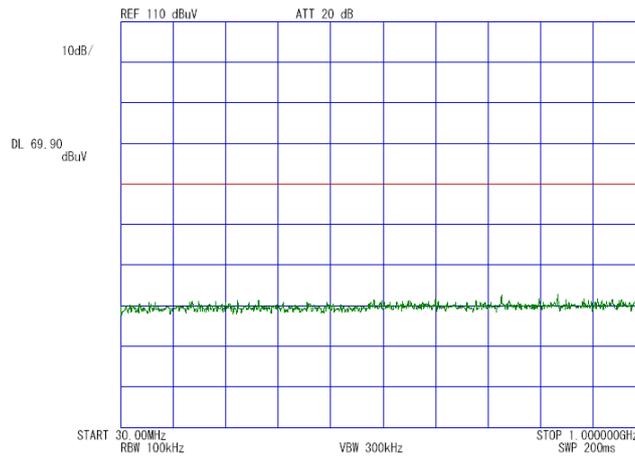
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11b(11Mbps)]
Ch:2437MHz

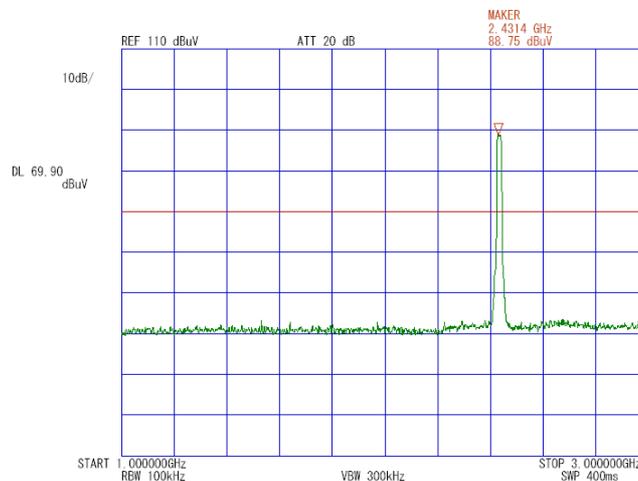
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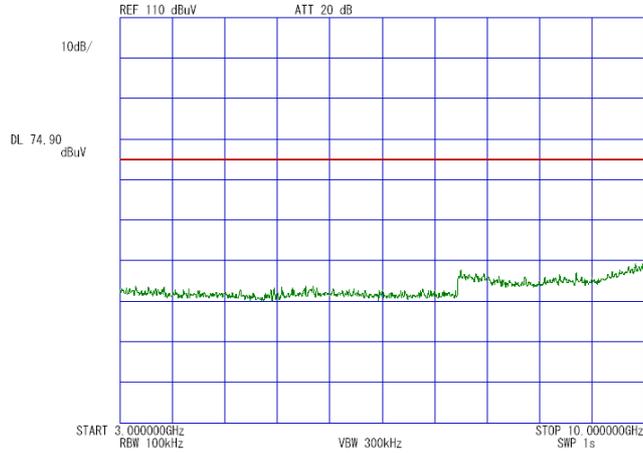
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

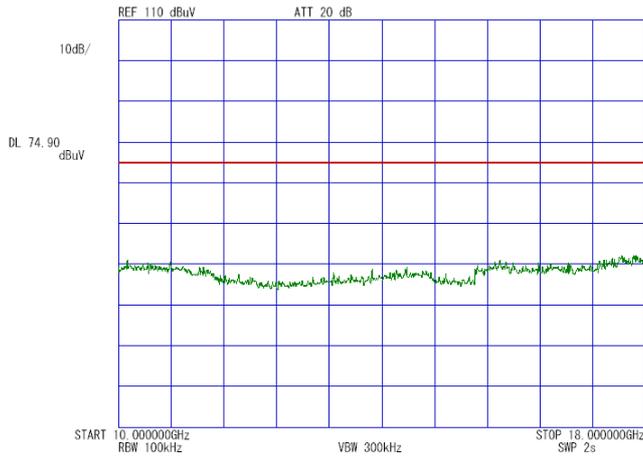
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11b(11Mbps)]
Ch:2437MHz

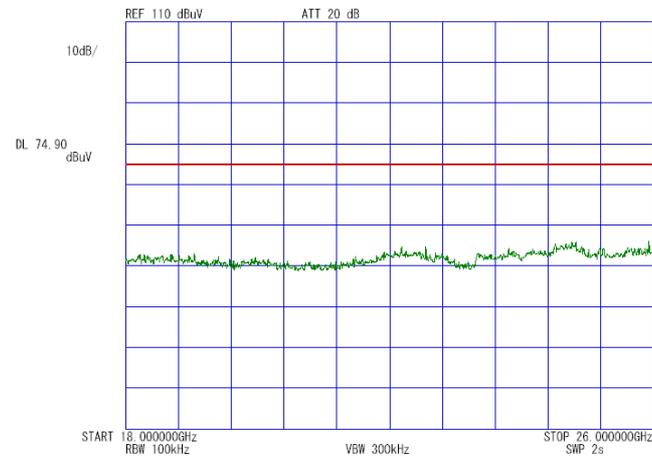
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6.



Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

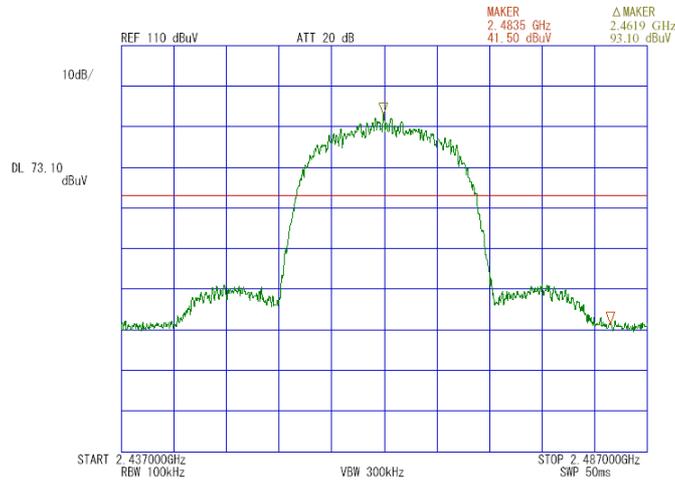
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
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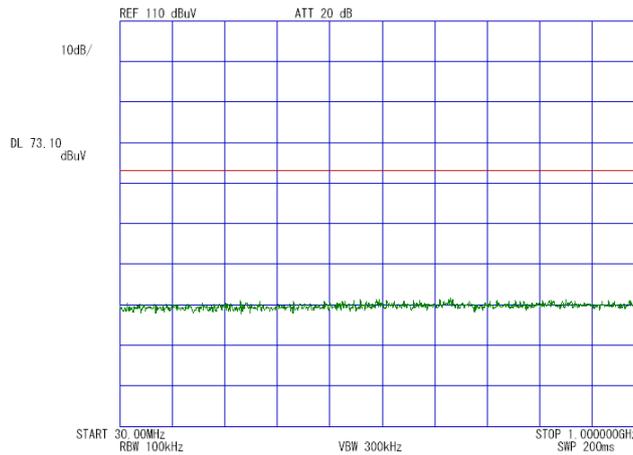
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11b(11Mbps)]
Ch:2462MHz

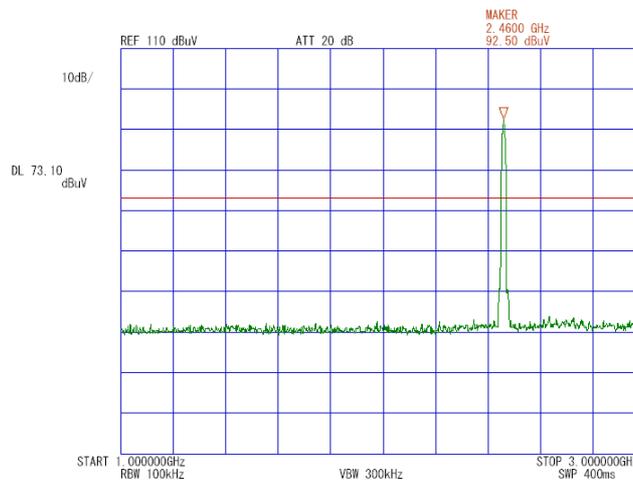
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

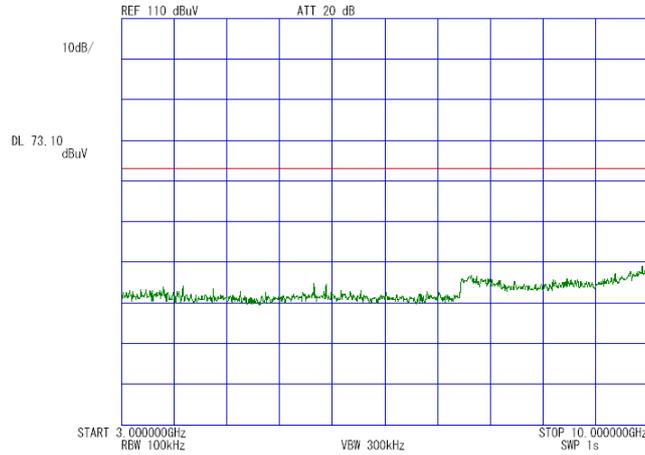
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%

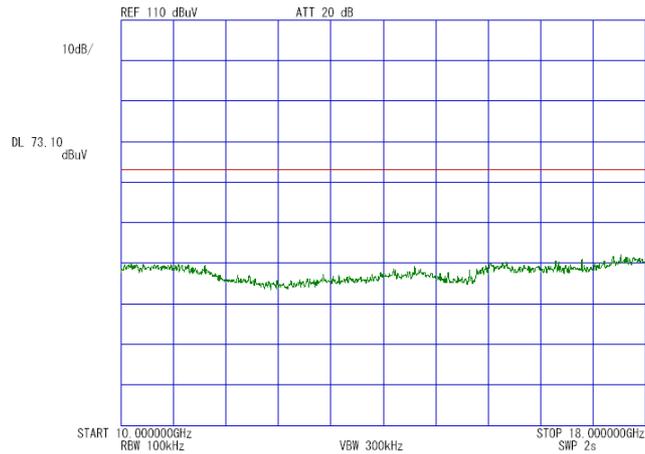
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11b(11Mbps)]
Ch:2462MHz

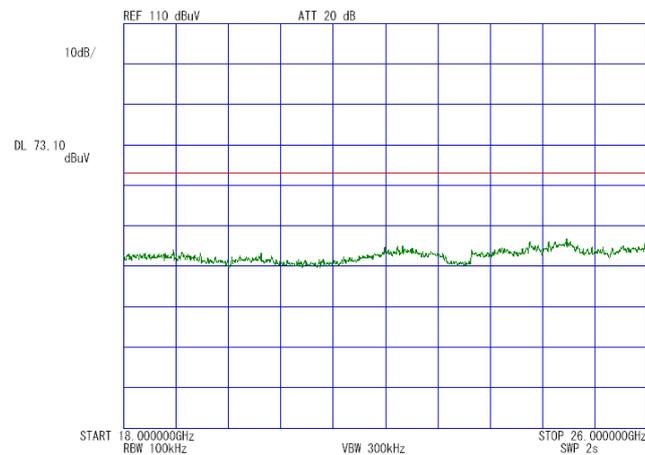
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

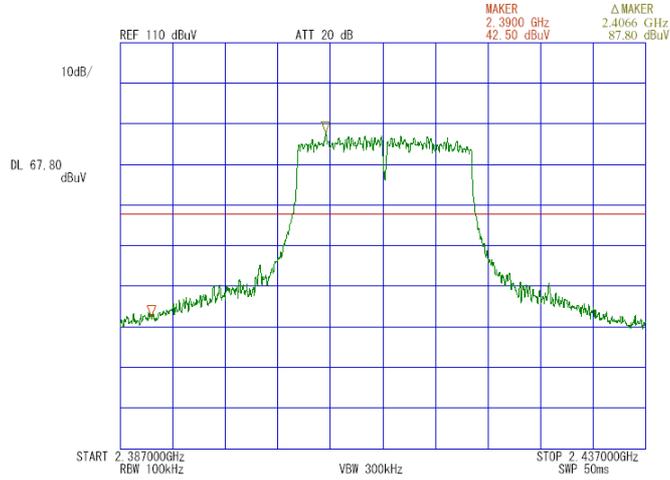
COMPANY : Sony Corporation
 EQUIPMENT : Wireless LAN Module
 MODEL NUMBER: CAWM-001
 SERIAL NUMBER: XG60369NU6258
 FCC ID : AK814798212X
 POWER : DC3.3V

REPORT NO : AF07023-A
 REGULATION : Fcc Part15SubpartC 247(d)
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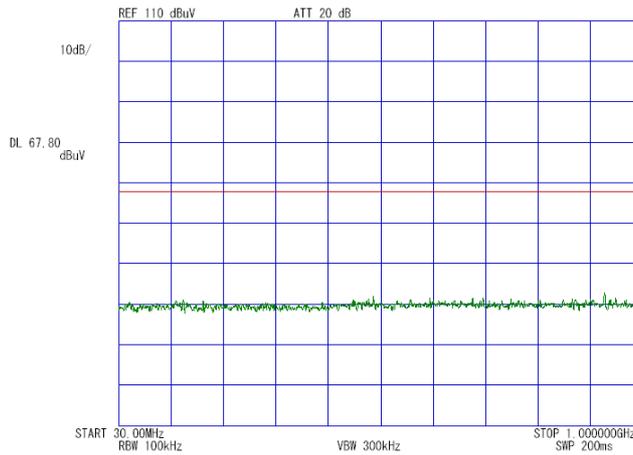
ENGINEER : Tatsuya Arai

Sub Antenna
 [IEEE802.11g(54Mbps)]
 Ch:2412MHz

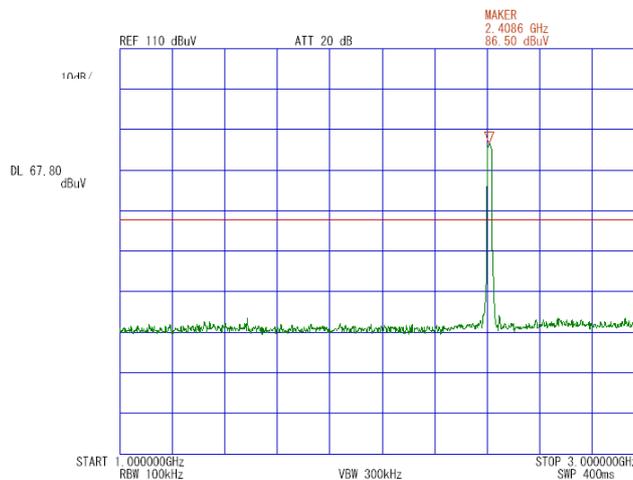
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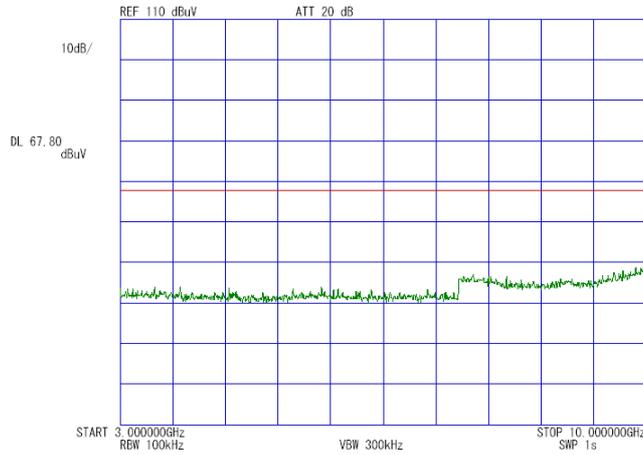
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

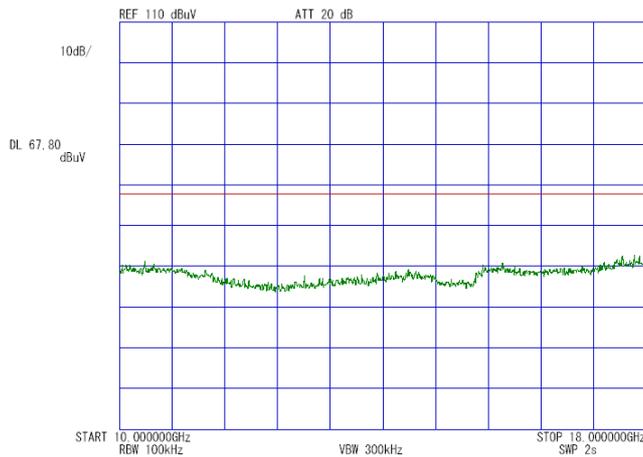
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11g(54Mbps)]
Ch:2412MHz

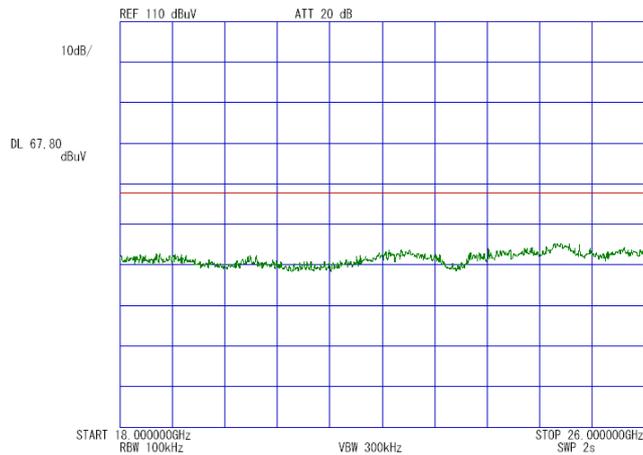
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
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FCC ID : AK814798212X
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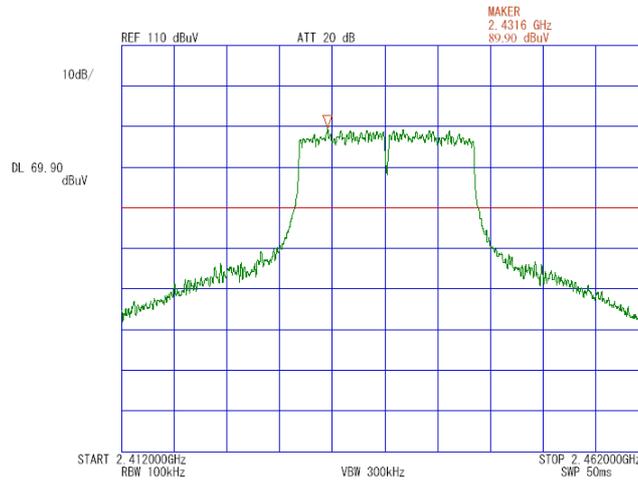
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
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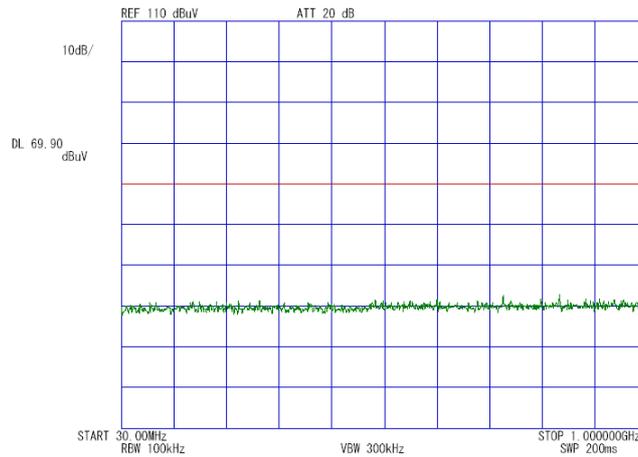
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11g(54Mbps)]
Ch:2437MHz

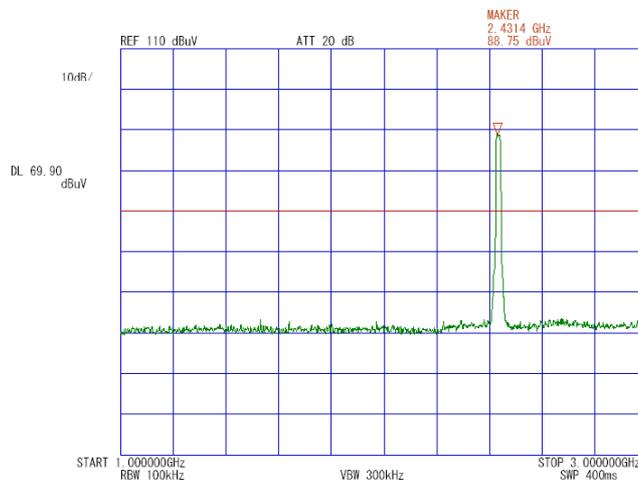
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

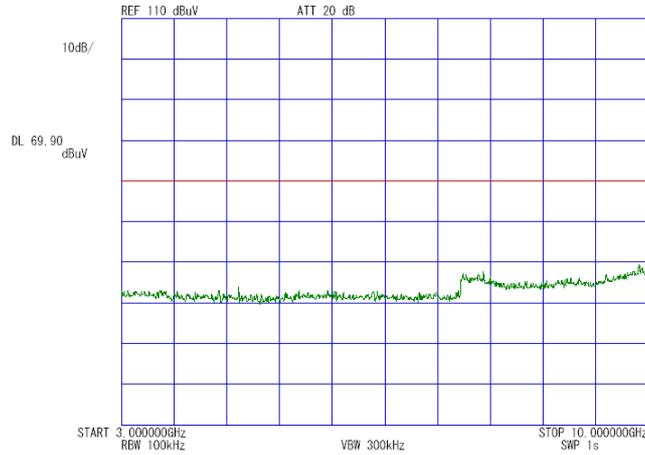
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
POWER : DC3.3V

REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
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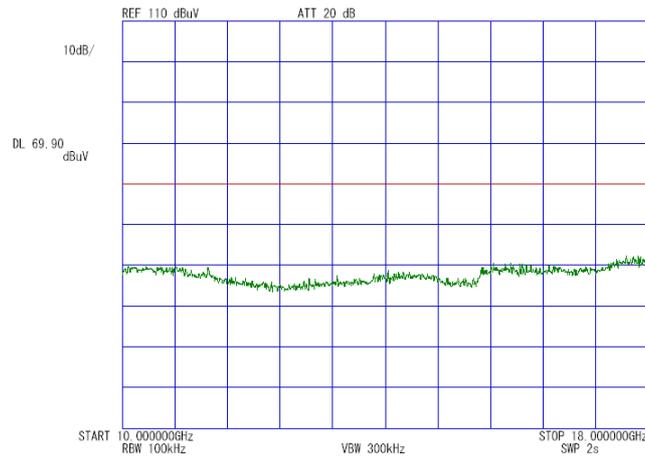
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11g(54Mbps)]
Ch:2437MHz

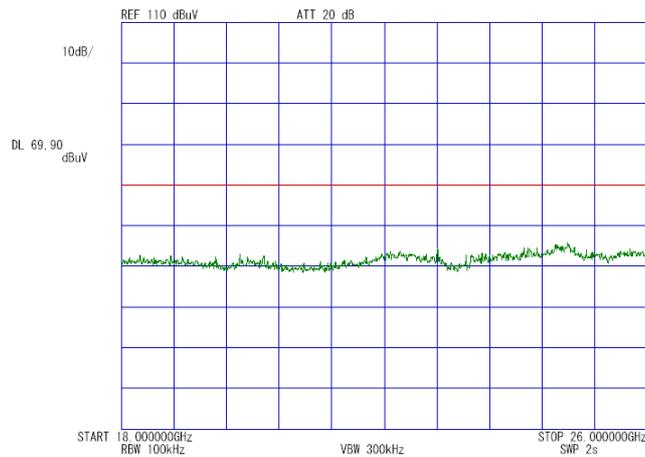
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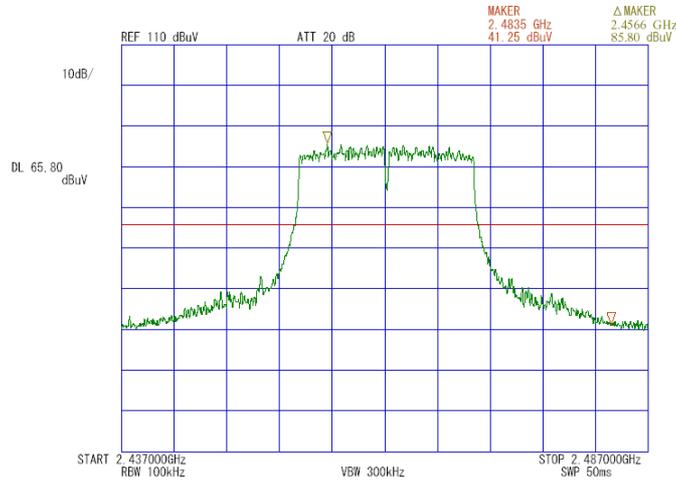
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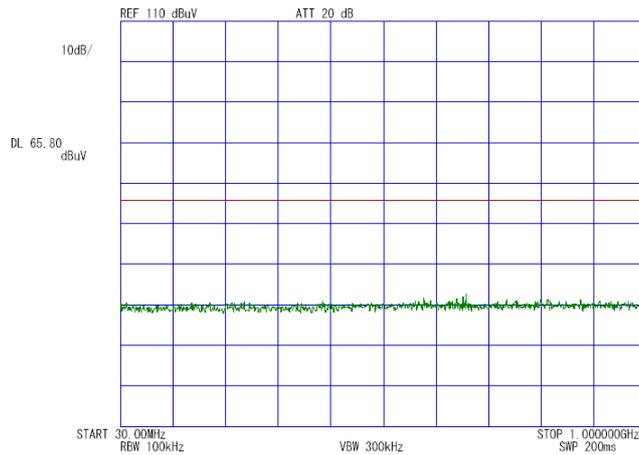
UL Apex Co.,Ltd. Yamakita No.1 Shielded Room
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REGULATION : Fcc Part15SubpartC 247(d)
DATE : 2007/03/12
TEMP./HUMI : 24deg.C./33%
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11g(54Mbps)]
Ch:2462MHz

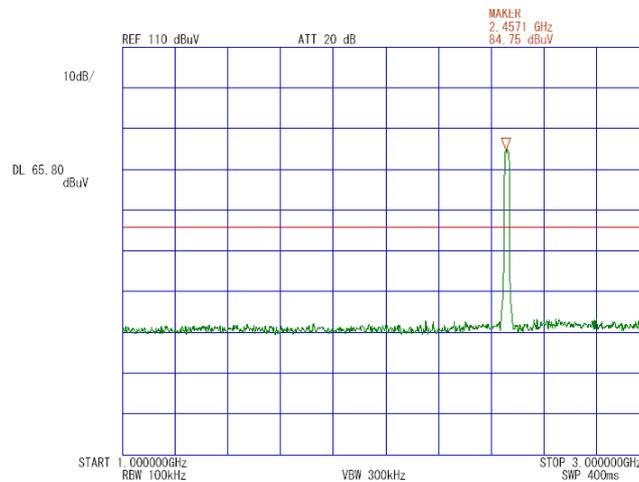
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

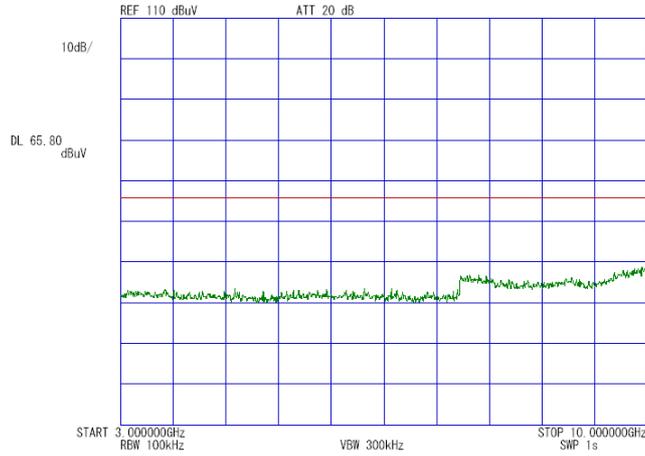
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
SERIAL NUMBER: XG60369NU6258
FCC ID : AK814798212X
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REPORT NO : AF07023-A
REGULATION : Fcc Part15SubpartC 247(d)
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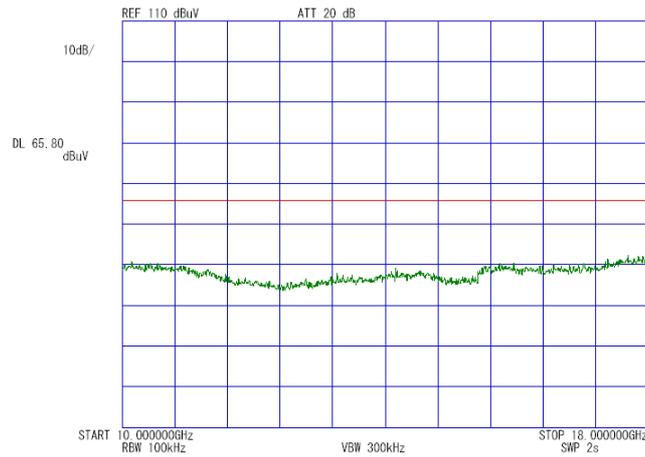
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11g(54Mbps)]
Ch:2462MHz

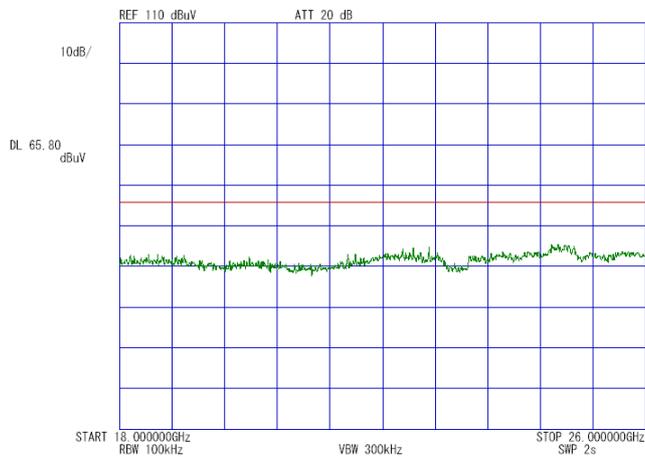
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Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room

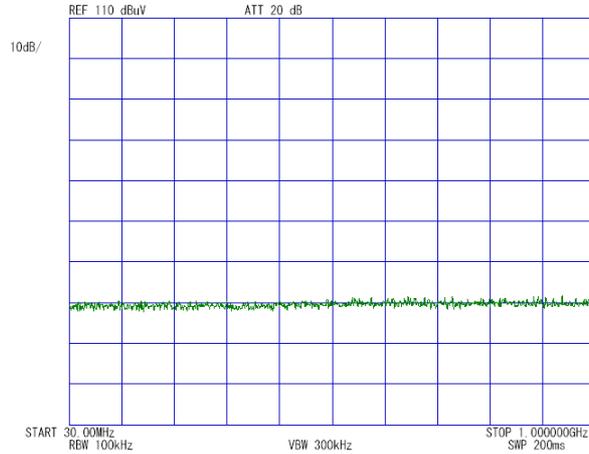
COMPANY : Sony Corporation
EQUIPMENT : Wireless LAN Module
MODEL NUMBER: CAWM-001
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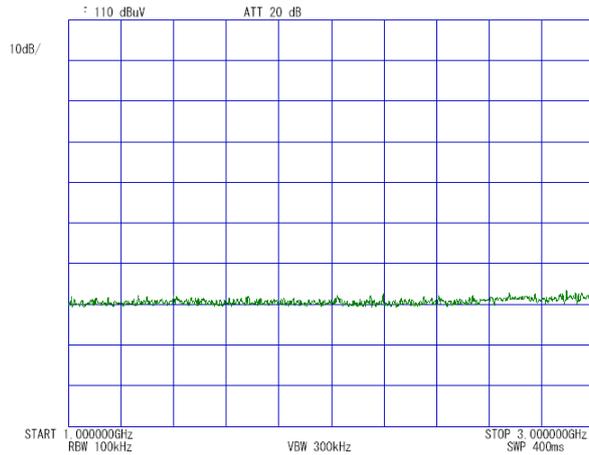
ENGINEER : Tatsuya Arai

Sub Antenna
[IEEE802.11g(54Mbps)] Rx
Ch:2462MHz

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