

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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 : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
 Humidity : 32 %  
 Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	25.6	34.2	14.0	28.5	1.2	6.0	18.3	26.9	40.0	21.7	13.1
2.	99.85	BB	40.6	32.3	10.4	28.5	2.0	6.1	30.6	22.3	43.5	12.9	21.2
3.	164.36	BB	41.3	36.0	15.5	28.1	2.7	6.0	37.4	32.1	43.5	6.1	11.4
4.	280.00	BB	35.2	31.7	19.2	27.6	3.6	6.0	36.4	32.9	46.0	9.6	13.1
5.	320.00	BB	41.0	39.2	14.8	27.8	3.9	6.0	37.9	36.1	46.0	8.1	9.9
6.	360.00	BB	40.5	39.7	15.9	28.1	4.3	6.0	38.6	37.8	46.0	7.4	8.2

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

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Power : DC3.3V  
Mode : Transmitting\_2412MHz  
Remarks : IEEE802.11b 11Mbps Antenna:Main, PK (RBW:1MHz VBW:1MHz)  
Date : 3/20/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2390.00	BB	51.0	49.0	29.8	36.8	4.0	9.9	57.9	55.9	74.0	16.1	18.1
2.	4824.00	BB	44.5	45.0	33.8	37.1	5.8	0.5	47.5	48.0	74.0	26.5	26.0
3.	7236.00	BB	42.0	42.5	37.5	36.9	6.6	0.5	49.7	50.2	74.0	24.3	23.8
4.	9648.00	BB	46.4	47.8	38.9	37.0	7.6	1.0	56.9	58.3	74.0	17.1	15.7

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

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Remarks : IEEE802.11b 11Mbps Antenna:Main, AV (RBW:1MHz VBW:10Hz)  
Date : 3/20/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	2390.00	BB	42.1	40.1	29.8	36.8	4.0	9.9	49.0	47.0	54.0	5.0	7.0
2.	4824.00	BB	35.9	37.2	33.8	37.1	5.8	0.5	38.9	40.2	54.0	15.1	13.8
3.	7236.00	BB	32.3	32.1	37.5	36.9	6.6	0.5	40.0	39.8	54.0	14.0	14.2
4.	9648.00	BB	37.0	38.9	38.9	37.0	7.6	1.0	47.5	49.4	54.0	6.5	4.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

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 Power : DC3.3V  
 Mode : Transmitting\_2437MHz  
 Remarks : IEEE802.11b 11Mbps Antenna:Main  
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1.	40.00	BB	25.8	34.0	14.0	28.5	1.2	6.0	18.5	26.7	40.0	21.5	13.3
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6.	360.00	BB	40.3	39.0	15.9	28.1	4.3	6.0	38.4	37.1	46.0	7.6	8.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
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Remarks : IEEE802.11b 11Mbps Antenna:Main, PK (RBW:1MHz VBW:1MHz)  
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Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	4874.00	BB	46.6	46.7	34.0	37.2	5.8	0.5	49.7	49.8	74.0	24.3	24.2
2.	7311.00	BB	43.5	43.3	37.6	37.0	6.7	0.5	51.3	51.1	74.0	22.7	22.9
3.	9748.00	BB	46.6	47.5	38.8	37.0	7.6	0.9	56.9	57.8	74.0	17.1	16.2

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

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Mode : Transmitting\_2437MHz  
Remarks : IEEE802.11b 11Mbps Antenna:Main, AV (RBW:1MHz VBW:10Hz)  
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No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]		
1.	4874.00	BB	36.2	38.8	34.0	37.2	5.8	0.5	39.3	41.9	54.0	14.7	12.1	
2.	7311.00	BB	32.2	32.2	37.6	37.0	6.7	0.5	40.0	40.0	54.0	14.0	14.0	
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 Serial No. : XG60369NU6258  
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 Mode : Transmitting\_2462MHz  
 Remarks : IEEE802.11b 11Mbps Antenna:Main  
 Date : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
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 Regulation : FCC Part15C § 15.209

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			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	26.0	34.5	14.0	28.5	1.2	6.0	18.7	27.2	40.0	21.3	12.8
2.	99.85	BB	40.0	32.0	10.4	28.5	2.0	6.1	30.0	22.0	43.5	13.5	21.5
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CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

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			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2483.50	BB	48.9	48.2	29.7	36.8	4.0	9.9	55.7	55.0	74.0	18.3	19.0
2.	4924.00	BB	45.7	46.9	34.1	37.3	5.8	0.4	48.7	49.9	74.0	25.3	24.1
3.	7386.00	BB	42.9	43.0	37.7	37.0	6.7	0.5	50.8	50.9	74.0	23.2	23.1
4.	9848.00	BB	45.7	47.4	38.8	36.9	7.6	0.9	56.1	57.8	74.0	17.9	16.2

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No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	25.8	34.6	14.0	28.5	1.2	6.0	18.5	27.3	40.0	21.5	12.7
2.	99.85	BB	39.0	32.5	10.4	28.5	2.0	6.1	29.0	22.5	43.5	14.5	21.0
3.	164.36	BB	39.8	36.0	15.5	28.1	2.7	6.0	35.9	32.1	43.5	7.6	11.4
4.	280.00	BB	34.0	30.3	19.2	27.6	3.6	6.0	35.2	31.5	46.0	10.8	14.5
5.	320.00	BB	42.4	42.0	14.8	27.8	3.9	6.0	39.3	38.9	46.0	6.7	7.1
6.	360.00	BB	41.2	39.0	15.9	28.1	4.3	6.0	39.3	37.1	46.0	6.7	8.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, PK (RBW:1MHz VBW:1MHz)  
Date : 3/21/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	4874.00	BB	46.3	46.0	34.0	37.2	5.8	0.5	49.4	49.1	74.0	24.6	24.9
2.	7311.00	BB	43.2	42.3	37.6	37.0	6.7	0.5	51.0	50.1	74.0	23.0	23.9
3.	9748.00	BB	46.3	47.6	38.8	37.0	7.6	0.9	56.6	57.9	74.0	17.4	16.1

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, AV (RBW:1MHz VBW:10Hz)  
 Date : 3/21/2007  
 Test Distance : 3 m  
 Temperature : 22 °C Engineer : Fumiaki Matsuo  
 Humidity : 30 %  
 Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	4874.00	BB	35.2	38.5	34.0	37.2	5.8	0.5	38.3	41.6	54.0	15.7	12.4
2.	7311.00	BB	32.3	32.0	37.6	37.0	6.7	0.5	40.1	39.8	54.0	13.9	14.2
3.	9748.00	BB	36.6	37.5	38.8	37.0	7.6	0.9	46.9	47.8	54.0	7.1	6.2

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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:Main  
 Date : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
 Humidity : 32 %  
 Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	25.3	34.6	14.0	28.5	1.2	6.0	18.0	27.3	40.0	22.0	12.7
2.	99.85	BB	39.2	33.0	10.4	28.5	2.0	6.1	29.2	23.0	43.5	14.3	20.5
3.	164.36	BB	39.9	35.8	15.5	28.1	2.7	6.0	36.0	31.9	43.5	7.5	11.6
4.	280.00	BB	33.0	30.5	19.2	27.6	3.6	6.0	34.2	31.7	46.0	11.8	14.3
5.	320.00	BB	42.1	41.5	14.8	27.8	3.9	6.0	39.0	38.4	46.0	7.0	7.6
6.	360.00	BB	41.5	39.0	15.9	28.1	4.3	6.0	39.6	37.1	46.0	6.4	8.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA : KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP : KAF-05 (8447D) ■ RECEIVER : KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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:Main, PK (RBW:1MHz VBW:1MHz)  
 Date : 3/21/2007  
 Test Distance : 3 m  
 Temperature : 22 °C Engineer : Fumiaki Matsuo  
 Humidity : 30 %  
 Regulation : FCC Part15C § 15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2483.50	BB	52.7	55.0	29.7	36.8	4.0	9.9	59.5	61.8	74.0	14.5	12.2
2.	4924.00	BB	45.0	44.5	34.1	37.3	5.8	0.4	48.0	47.5	74.0	26.0	26.5
3.	7386.00	BB	43.1	42.9	37.7	37.0	6.7	0.5	51.0	50.8	74.0	23.0	23.2
4.	9848.00	BB	46.5	46.9	38.8	36.9	7.6	0.9	56.9	57.3	74.0	17.1	16.7

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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:Main, AV (RBW:1MHz VBW:10Hz)  
 Date : 3/21/2007  
 Test Distance : 3 m  
 Temperature : 22 °C Engineer : Fumiaki Matsuo  
 Humidity : 30 %  
 Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2483.50	BB	38.7	39.9	29.7	36.8	4.0	9.9	45.5	46.7	54.0	8.5	7.3
2.	4924.00	BB	35.6	35.5	34.1	37.3	5.8	0.4	38.6	38.5	54.0	15.4	15.5
3.	7386.00	BB	32.3	32.2	37.7	37.0	6.7	0.5	40.2	40.1	54.0	13.8	13.9
4.	9848.00	BB	36.9	37.9	38.8	36.9	7.6	0.9	47.3	48.3	54.0	6.7	5.7

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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 : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
 Humidity : 32 %  
 Regulation : FCC Part15B § 15.109(a)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	25.1	34.0	14.0	28.5	1.2	6.0	17.8	26.7	40.0	22.2	13.3
2.	99.85	BB	38.4	30.2	10.4	28.5	2.0	6.1	28.4	20.2	43.5	15.1	23.3
3.	164.36	BB	40.5	34.8	15.5	28.1	2.7	6.0	36.6	30.9	43.5	6.9	12.6
4.	280.00	BB	34.7	32.2	19.2	27.6	3.6	6.0	35.9	33.4	46.0	10.1	12.6
5.	320.00	BB	41.6	39.1	14.8	27.8	3.9	6.0	38.5	36.0	46.0	7.5	10.0
6.	360.00	BB	41.3	38.1	15.9	28.1	4.3	6.0	39.4	36.2	46.0	6.6	9.8

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, PK (RBW:1MHz VBW:1MHz)  
Date : 3/22/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15B CLASS B (PK)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]		
1.	1001.01	BB	50.0	50.3	23.4	37.7	2.9	0.0	38.6	38.9	74.0	35.4	35.1	
2.	1054.24	BB	53.5	52.2	23.7	37.7	2.9	0.0	42.4	41.1	74.0	31.6	32.9	
3.	1456.43	BB	54.5	52.3	25.4	37.0	3.3	0.0	46.2	44.0	74.0	27.8	30.0	

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, AV (RBW:1MHz VBW:10Hz)  
Date : 3/22/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15B § 15.109(a)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]		
1.	1001.01	BB	42.8	43.5	23.4	37.7	2.9	0.0	31.4	32.1	54.0	22.6	21.9	
2.	1054.24	BB	37.9	37.6	23.7	37.7	2.9	0.0	26.8	26.5	54.0	27.2	27.5	
3.	1456.43	BB	38.5	37.4	25.4	37.0	3.3	0.0	30.2	29.1	54.0	23.8	24.9	

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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 : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
 Humidity : 32 %  
 Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	25.8	34.1	14.0	28.5	1.2	6.0	18.5	26.8	40.0	21.5	13.2
2.	99.85	BB	41.3	30.4	10.4	28.5	2.0	6.1	31.3	20.4	43.5	12.2	23.1
3.	164.36	BB	41.0	35.1	15.5	28.1	2.7	6.0	37.1	31.2	43.5	6.4	12.3
4.	280.00	BB	34.6	30.9	19.2	27.6	3.6	6.0	35.8	32.1	46.0	10.2	13.9
5.	320.00	BB	40.9	39.4	14.8	27.8	3.9	6.0	37.8	36.3	46.0	8.2	9.7
6.	360.00	BB	40.3	38.9	15.9	28.1	4.3	6.0	38.4	37.0	46.0	7.6	9.0

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, PK (RBW:1MHz VBW:1MHz)  
Date : 3/20/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2390.00	BB	49.8	49.8	29.8	36.8	4.0	9.9	56.7	56.7	74.0	17.3	17.3
2.	4824.00	BB	45.1	46.5	33.8	37.1	5.8	0.5	48.1	49.5	74.0	25.9	24.5
3.	7236.00	BB	42.5	43.2	37.5	36.9	6.6	0.5	50.2	50.9	74.0	23.8	23.1
4.	9648.00	BB	46.9	48.2	38.9	37.0	7.6	1.0	57.4	58.7	74.0	16.6	15.3

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, AV (RBW:1MHz VBW:10Hz)  
 Date : 3/20/2007  
 Test Distance : 3 m  
 Temperature : 22 °C Engineer : Fumiaki Matsuo  
 Humidity : 30 %  
 Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2390.00	BB	41.3	41.4	29.8	36.8	4.0	9.9	48.2	48.3	54.0	5.8	5.7
2.	4824.00	BB	34.6	38.7	33.8	37.1	5.8	0.5	37.6	41.7	54.0	16.4	12.3
3.	7236.00	BB	32.4	32.1	37.5	36.9	6.6	0.5	40.1	39.8	54.0	13.9	14.2
4.	9648.00	BB	37.3	38.8	38.9	37.0	7.6	1.0	47.8	49.3	54.0	6.2	4.7

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz / KHA-03 (3160-09) 18-26GHz  
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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 : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
 Humidity : 32 %  
 Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	25.8	34.1	14.0	28.5	1.2	6.0	18.5	26.8	40.0	21.5	13.2
2.	99.85	BB	41.1	30.8	10.4	28.5	2.0	6.1	31.1	20.8	43.5	12.4	22.7
3.	164.36	BB	40.5	34.8	15.5	28.1	2.7	6.0	36.6	30.9	43.5	6.9	12.6
4.	280.00	BB	34.0	29.6	19.2	27.6	3.6	6.0	35.2	30.8	46.0	10.8	15.2
5.	320.00	BB	40.7	39.3	14.8	27.8	3.9	6.0	37.6	36.2	46.0	8.4	9.8
6.	360.00	BB	40.0	38.4	15.9	28.1	4.3	6.0	38.1	36.5	46.0	7.9	9.5

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, PK (RBW:1MHz VBW:1MHz)  
Date : 3/20/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]		
1.	4874.00	BB	45.5	49.6	34.0	37.2	5.8	0.5	48.6	52.7	74.0	25.4	21.3	
2.	7311.00	BB	43.4	42.2	37.6	37.0	6.7	0.5	51.2	50.0	74.0	22.8	24.0	
3.	9748.00	BB	46.3	47.2	38.8	37.0	7.6	0.9	56.6	57.5	74.0	17.4	16.5	

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, AV (RBW:1MHz VBW:10Hz)  
 Date : 3/20/2007  
 Test Distance : 3 m  
 Temperature : 22 °C Engineer : Fumiaki Matsuo  
 Humidity : 30 %  
 Regulation : FCC Part15C § 15.209(AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	4874.00	BB	35.3	39.6	34.0	37.2	5.8	0.5	38.4	42.7	54.0	15.6	11.3
2.	7311.00	BB	32.1	31.9	37.6	37.0	6.7	0.5	39.9	39.7	54.0	14.1	14.3
3.	9748.00	BB	36.0	38.2	38.8	37.0	7.6	0.9	46.3	48.5	54.0	7.7	5.5

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
 ■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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:Sub  
 Date : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
 Humidity : 32 %  
 Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	25.5	34.1	14.0	28.5	1.2	6.0	18.2	26.8	40.0	21.8	13.2
2.	99.85	BB	41.0	32.8	10.4	28.5	2.0	6.1	31.0	22.8	43.5	12.5	20.7
3.	164.36	BB	41.0	36.4	15.5	28.1	2.7	6.0	37.1	32.5	43.5	6.4	11.0
4.	280.00	BB	34.5	30.7	19.2	27.6	3.6	6.0	35.7	31.9	46.0	10.3	14.1
5.	320.00	BB	40.7	39.5	14.8	27.8	3.9	6.0	37.6	36.4	46.0	8.4	9.6
6.	360.00	BB	40.3	38.8	15.9	28.1	4.3	6.0	38.4	36.9	46.0	7.6	9.1

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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:Sub, PK (RBW:1MHz VBW:1MHz)  
Date : 3/20/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2483.50	BB	51.0	49.6	29.7	36.8	4.0	9.9	57.8	56.4	74.0	16.2	17.6
2.	4924.00	BB	45.8	47.2	34.1	37.3	5.8	0.4	48.8	50.2	74.0	25.2	23.8
3.	7386.00	BB	42.2	43.0	37.7	37.0	6.7	0.5	50.1	50.9	74.0	23.9	23.1
4.	9848.00	BB	47.7	47.8	38.8	36.9	7.6	0.9	58.1	58.2	74.0	15.9	15.8

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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:Sub, AV (RBW:1MHz VBW:10Hz)  
Date : 3/20/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2483.50	BB	41.1	40.2	29.7	36.8	4.0	9.9	47.9	47.0	54.0	6.1	7.0
2.	4924.00	BB	35.2	39.5	34.1	37.3	5.8	0.4	38.2	42.5	54.0	15.8	11.5
3.	7386.00	BB	32.2	32.2	37.7	37.0	6.7	0.5	40.1	40.1	54.0	13.9	13.9
4.	9848.00	BB	36.7	37.7	38.8	36.9	7.6	0.9	47.1	48.1	54.0	6.9	5.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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 : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
 Humidity : 32 %  
 Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	25.5	34.5	14.0	28.5	1.2	6.0	18.2	27.2	40.0	21.8	12.8
2.	99.85	BB	39.1	33.0	10.4	28.5	2.0	6.1	29.1	23.0	43.5	14.4	20.5
3.	164.36	BB	41.0	35.7	15.5	28.1	2.7	6.0	37.1	31.8	43.5	6.4	11.7
4.	280.00	BB	33.6	30.0	19.2	27.6	3.6	6.0	34.8	31.2	46.0	11.2	14.8
5.	320.00	BB	42.7	42.1	14.8	27.8	3.9	6.0	39.6	39.0	46.0	6.4	7.0
6.	360.00	BB	41.4	38.5	15.9	28.1	4.3	6.0	39.5	36.6	46.0	6.5	9.4

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, PK (RBW:1MHz VBW:1MHz)  
Date : 3/21/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2390.00	BB	51.9	51.5	29.8	36.8	4.0	9.9	58.8	58.4	74.0	15.2	15.6
2.	4824.00	BB	44.8	45.9	33.8	37.1	5.8	0.5	47.8	48.9	74.0	26.2	25.1
3.	7236.00	BB	42.1	42.9	37.5	36.9	6.6	0.5	49.8	50.6	74.0	24.2	23.4
4.	9648.00	BB	46.7	47.9	38.9	37.0	7.6	1.0	57.2	58.4	74.0	16.8	15.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, AV (RBW:1MHz VBW:10Hz)  
Date : 3/21/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	2390.00	BB	38.3	37.9	29.8	36.8	4.0	9.9	45.2	44.8	54.0	8.8	9.2
2.	4824.00	BB	35.7	38.6	33.8	37.1	5.8	0.5	38.7	41.6	54.0	15.3	12.4
3.	7236.00	BB	32.3	32.2	37.5	36.9	6.6	0.5	40.0	39.9	54.0	14.0	14.1
4.	9648.00	BB	37.4	38.6	38.9	37.0	7.6	1.0	47.9	49.1	54.0	6.1	4.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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 : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
 Humidity : 32 %  
 Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	25.8	34.3	14.0	28.5	1.2	6.0	18.5	27.0	40.0	21.5	13.0
2.	99.85	BB	39.2	32.8	10.4	28.5	2.0	6.1	29.2	22.8	43.5	14.3	20.7
3.	164.36	BB	40.8	35.7	15.5	28.1	2.7	6.0	36.9	31.8	43.5	6.6	11.7
4.	280.00	BB	33.0	29.8	19.2	27.6	3.6	6.0	34.2	31.0	46.0	11.8	15.0
5.	320.00	BB	42.0	42.0	14.8	27.8	3.9	6.0	38.9	38.9	46.0	7.1	7.1
6.	360.00	BB	41.5	38.9	15.9	28.1	4.3	6.0	39.6	37.0	46.0	6.4	9.0

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, PK (RBW:1MHz VBW:1MHz)  
Date : 3/21/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	4874.00	BB	46.0	45.5	34.0	37.2	5.8	0.5	49.1	48.6	74.0	24.9	25.4
2.	7311.00	BB	43.4	42.3	37.6	37.0	6.7	0.5	51.2	50.1	74.0	22.8	23.9
3.	9748.00	BB	46.3	47.5	38.8	37.0	7.6	0.9	56.6	57.8	74.0	17.4	16.2

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, AV (RBW:1MHz VBW:10Hz)  
Date : 3/21/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	4874.00	BB	34.6	38.1	34.0	37.2	5.8	0.5	37.7	41.2	54.0	16.3	12.8
2.	7311.00	BB	32.1	32.0	37.6	37.0	6.7	0.5	39.9	39.8	54.0	14.1	14.2
3.	9748.00	BB	36.8	37.8	38.8	37.0	7.6	0.9	47.1	48.1	54.0	6.9	5.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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 : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
 Humidity : 32 %  
 Regulation : FCC Part15C § 15.209

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	24.8	34.2	14.0	28.5	1.2	6.0	17.5	26.9	40.0	22.5	13.1
2.	99.85	BB	38.7	32.7	10.4	28.5	2.0	6.1	28.7	22.7	43.5	14.8	20.8
3.	164.36	BB	40.4	35.4	15.5	28.1	2.7	6.0	36.5	31.5	43.5	7.0	12.0
4.	280.00	BB	33.1	29.9	19.2	27.6	3.6	6.0	34.3	31.1	46.0	11.7	14.9
5.	320.00	BB	42.2	41.3	14.8	27.8	3.9	6.0	39.1	38.2	46.0	6.9	7.8
6.	360.00	BB	41.0	38.0	15.9	28.1	4.3	6.0	39.1	36.1	46.0	6.9	9.9

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, PK (RBW:1MHz VBW:1MHz)  
Date : 3/21/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	2483.50	BB	51.1	55.2	29.7	36.8	4.0	9.9	57.9	62.0	74.0	16.1	12.0
2.	4924.00	BB	44.9	44.4	34.1	37.3	5.8	0.4	47.9	47.4	74.0	26.1	26.6
3.	7386.00	BB	43.0	43.0	37.7	37.0	6.7	0.5	50.9	50.9	74.0	23.1	23.1
4.	9848.00	BB	46.5	47.0	38.8	36.9	7.6	0.9	56.9	57.4	74.0	17.1	16.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, AV (RBW:1MHz VBW:10Hz)  
Date : 3/21/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15C § 15.209 (AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER					HOR [dB μV/m]	VER		HOR [dB]	VER
1.	2483.50	BB	38.5	40.8	29.7	36.8	4.0	9.9	45.3	47.6	54.0	8.7	6.4
2.	4924.00	BB	35.6	35.3	34.1	37.3	5.8	0.4	38.6	38.3	54.0	15.4	15.7
3.	7386.00	BB	32.2	32.2	37.7	37.0	6.7	0.5	40.1	40.1	54.0	13.9	13.9
4.	9848.00	BB	37.0	37.8	38.8	36.9	7.6	0.9	47.4	48.2	54.0	6.6	5.8

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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 : 3/19/2007  
 Test Distance : 3 m  
 Temperature : 23 °C Engineer : Fumiaki Matsuo  
 Humidity : 32 %  
 Regulation : FCC Part15B § 15.109(a)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.00	BB	25.5	34.0	14.0	28.5	1.2	6.0	18.2	26.7	40.0	21.8	13.3
2.	99.85	BB	38.0	29.9	10.4	28.5	2.0	6.1	28.0	19.9	43.5	15.5	23.6
3.	164.36	BB	40.0	35.3	15.5	28.1	2.7	6.0	36.1	31.4	43.5	7.4	12.1
4.	280.00	BB	34.7	33.0	19.2	27.6	3.6	6.0	35.9	34.2	46.0	10.1	11.8
5.	320.00	BB	40.9	39.2	14.8	27.8	3.9	6.0	37.8	36.1	46.0	8.2	9.9
6.	360.00	BB	39.0	38.1	15.9	28.1	4.3	6.0	37.1	36.2	46.0	8.9	9.8

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz  
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30\_31\_32\_34 (RE)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, PK (RBW:1MHz VBW:1MHz)  
Date : 3/22/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15B CLASS B (PK)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]		
1.	1001.01	BB	50.0	50.5	23.4	37.7	2.9	0.0	38.6	39.1	74.0	35.4	34.9	
2.	1054.24	BB	54.0	53.0	23.7	37.7	2.9	0.0	42.9	41.9	74.0	31.1	32.1	
3.	1456.43	BB	54.1	52.2	25.4	37.0	3.3	0.0	45.8	43.9	74.0	28.2	30.1	

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# DATA OF RADIATION TEST

UL Apex Co.,Ltd.  
YAMAKITA No.1 ANECHOIC CHAMBER  
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, AV (RBW:1MHz VBW:10Hz)  
Date : 3/22/2007  
Test Distance : 3 m  
Temperature : 22 °C Engineer : Fumiaki Matsuo  
Humidity : 30 %  
Regulation : FCC Part15B § 15.109(a)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1001.01	BB	42.9	43.7	23.4	37.7	2.9	0.0	31.5	32.3	54.0	22.5	21.7
2.	1054.24	BB	38.0	38.0	23.7	37.7	2.9	0.0	26.9	26.9	54.0	27.1	27.1
3.	1456.43	BB	38.3	37.5	25.4	37.0	3.3	0.0	30.0	29.2	54.0	24.0	24.8

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KHA-01 (SAS-200 571) 1-18GHz/KHA-03 (3160-09) 18-26GHz  
■ CABLE: KCC-D3/D7 ■ PREAMP: KAF-02 (8449B) ■ SPECTRUMANALYZER: R3271A (KSA-04)

# Power Density (Conducted)

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  
TEST MODE : Transmitting

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

ENGINEER : Tatsuya Arai

## Main Antenna

IEEE802.11b(11Mbps)

CH	FREQ [GHz]	S/A Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit [dBm]	MARGIN [dB]
Low	2.41130	-12.25	0.4	-11.85	8.0	19.9
Mid	2.43630	-10.31	0.4	-9.91	8.0	17.9
High	2.46130	-11.09	0.4	-10.69	8.0	18.7

IEEE802.11g(54Mbps)

CH	FREQ [GHz]	S/A Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit [dBm]	MARGIN [dB]
Low	2.41170	-19.59	0.4	-19.19	8.0	27.2
Mid	2.43670	-15.84	0.4	-15.44	8.0	23.4
High	2.46170	-18.63	0.4	-18.23	8.0	26.2

## Sub Antenna

IEEE802.11b(11Mbps)

CH	FREQ [GHz]	S/A Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit [dBm]	MARGIN [dB]
Low	2.41130	-26.50	0.4	-26.1	8.0	34.1
Mid	2.43630	-25.63	0.4	-25.23	8.0	33.2
High	2.46130	-28.00	0.4	-27.6	8.0	35.6

IEEE802.11g(54Mbps)

CH	FREQ [GHz]	S/A Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit [dBm]	MARGIN [dB]
Low	2.41010	-33.66	0.4	-33.26	8.0	41.3
Mid	2.43670	-31.53	0.4	-31.13	8.0	39.1
High	2.46170	-35.63	0.4	-35.23	8.0	43.2

## Occupied Bandwidth(99%)

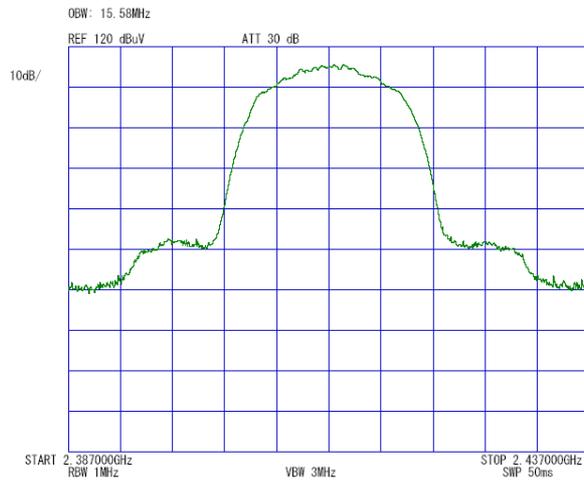
COMPANY : Sony Corporation  
EQUIPMENT : Wireless LAN Module  
MODEL NUMBER: CAWM-001  
SERIAL NUMBER: XG60369NU6258  
FCC ID : AK814798212X  
POWER : DC3.3V

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room  
REPORT NO : AF07023-A  
REGULATION : RSS-210  
DATE : 2007/03/12  
TEMP./HUMI : 24°C/33%  
TEST MODE : Transmitting  
ENGINEER : Tatsuya Arai

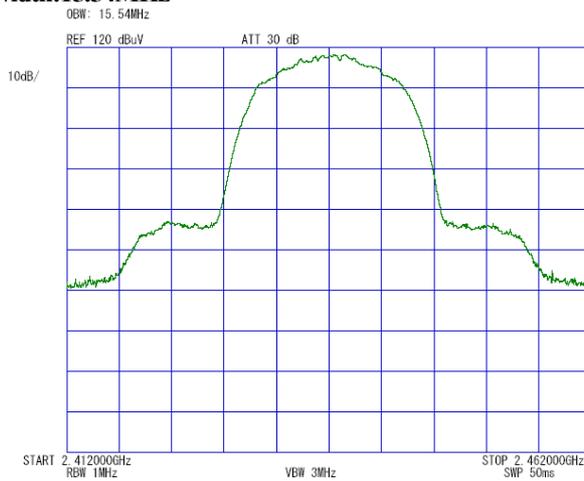
Main Antenna

[IEEE802.11b(11Mbps)]

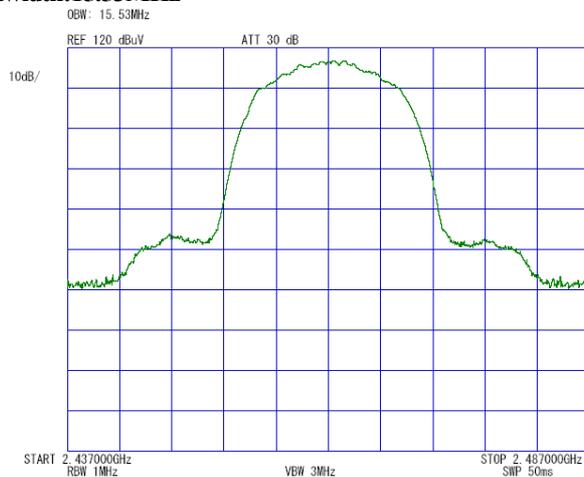
### 1. ch 1: 2412MHz/ Occupied Bandwidth:15.58MHz



### 2. ch 6: 2437MHz/ Occupied Bandwidth:15.54MHz



### 3. ch 11: 2462MHz/ Occupied Bandwidth:15.53MHz



## Occupied Bandwidth(99%)

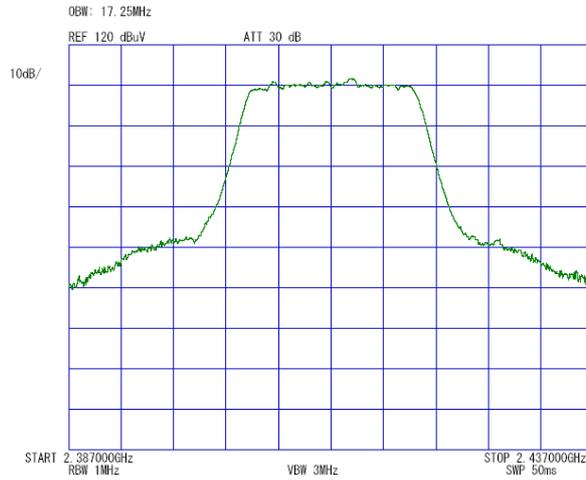
COMPANY : Sony Corporation  
EQUIPMENT : Wireless LAN Module  
MODEL NUMBER: CAWM-001  
SERIAL NUMBER: XG60369NU6258  
FCC ID : AK814798212X  
POWER : DC3.3V

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room  
REPORT NO : AF07023-A  
REGULATION : RSS-210  
DATE : 2007/03/12  
TEMP./HUMI : 24°C/33%  
TEST MODE : Transmitting  
ENGINEER : Tatsuya Arai

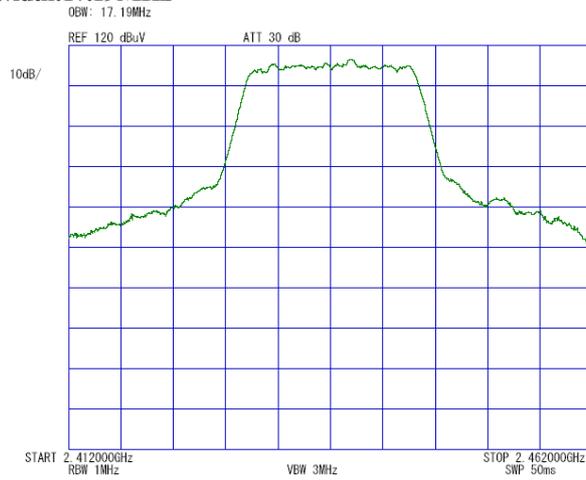
Main Antenna

[IEEE802.11g(54Mbps)]

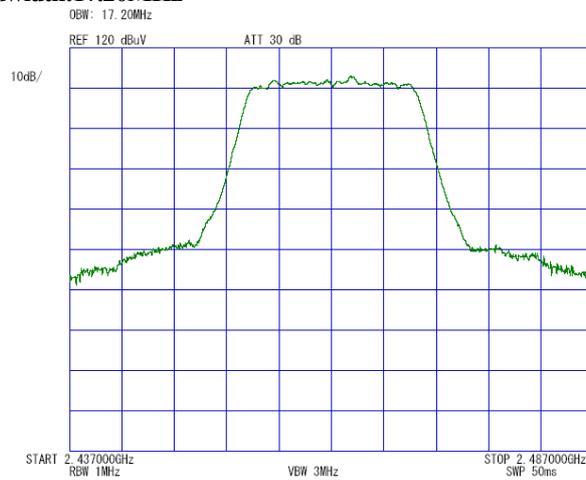
### 1. ch 1: 2412MHz/ Occupied Bandwidth:17.25MHz



### 2. ch 6: 2437MHz/ Occupied Bandwidth:17.19MHz



### 3. ch 11: 2462MHz/ Occupied Bandwidth:17.20MHz



## Occupied Bandwidth(99%)

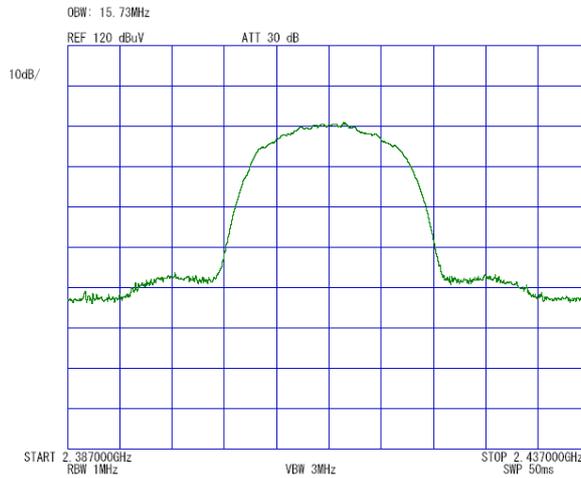
COMPANY : Sony Corporation  
EQUIPMENT : Wireless LAN Module  
MODEL NUMBER: CAWM-001  
SERIAL NUMBER: XG60369NU6258  
FCC ID : AK814798212X  
POWER : DC3.3V

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room  
REPORT NO : AF07023-A  
REGULATION : RSS-210  
DATE : 2007/03/12  
TEMP./HUMI : 24°C/33%  
TEST MODE : Transmitting  
ENGINEER : Tatsuya Arai

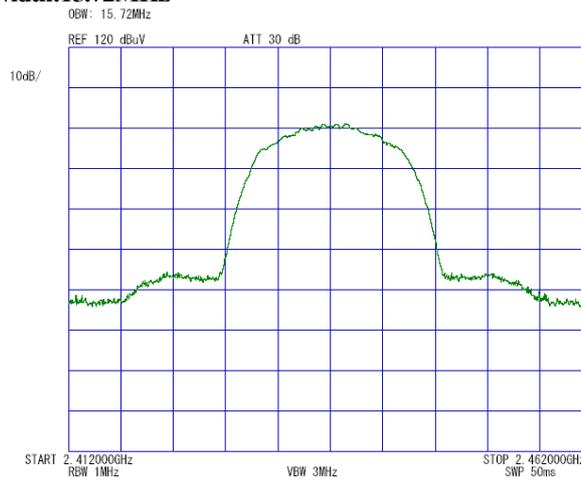
Sub Antenna

[IEEE802.11b(11Mbps)]

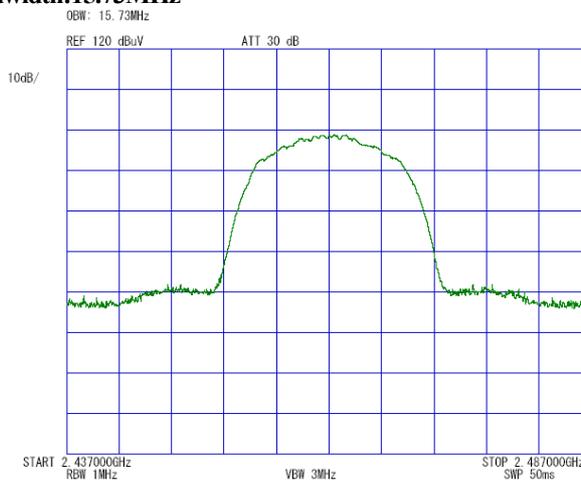
1. ch 1: 2412MHz/ Occupied Bandwidth:15.73MHz



2. ch 6: 2437MHz/ Occupied Bandwidth:15.72MHz



3. ch 11: 2462MHz/ Occupied Bandwidth:15.73MHz



## Occupied Bandwidth(99%)

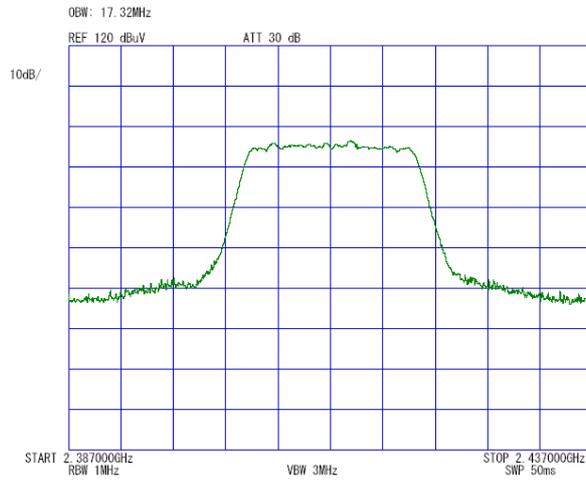
COMPANY : Sony Corporation  
EQUIPMENT : Wireless LAN Module  
MODEL NUMBER: CAWM-001  
SERIAL NUMBER: XG60369NU6258  
FCC ID : AK814798212X  
POWER : DC3.3V

UL Apex Co.,Ltd. Yamakita No.1 Shielded Room  
REPORT NO : AF07023-A  
REGULATION : RSS-210  
DATE : 2007/03/12  
TEMP./HUMI : 24°C/33%  
TEST MODE : Transmitting  
ENGINEER : Tatsuya Arai

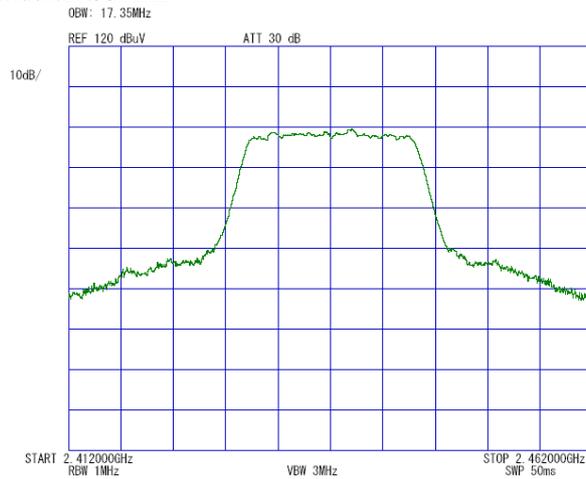
Main Antenna

[IEEE802.11g(54Mbps)]

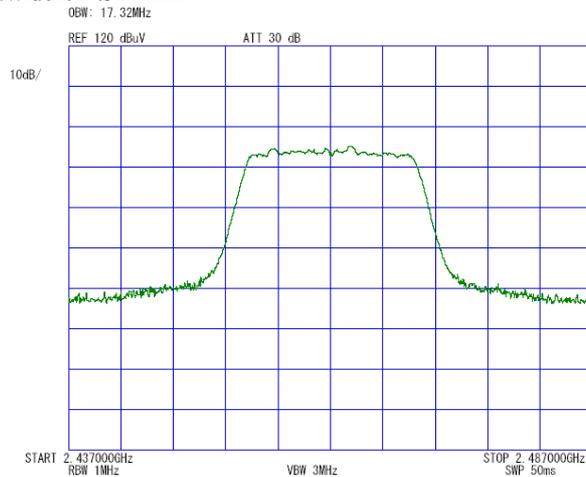
### 1. ch 1: 2412MHz/ Occupied Bandwidth:17.32MHz



### 2. ch 6: 2437MHz/ Occupied Bandwidth:17.35MHz



### 3. ch 11: 2462MHz/ Occupied Bandwidth:17.32MHz



### APPENDIX 3 Test Instruments

#### EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
YA-CE	Conducted emission(software)	UL-Apex	CE(Ver.1.6)	CE	-
YA-RE	Radiated emission(software)	UL-Apex	RE(Ver.1.5)	RE	-
KAEC-01(NSA)	Anechoic Chamber	JSE	Semi 3m	RE	2006/08/31 * 12
KAF-05	Pre Amplifier	Agilent	8447D	RE	2006/04/21 * 12
KAT6-01	Attenuator	INMET	18N-6dB	RE	2006/03/24 * 12
KCC-30/31/32/34/KRM-03	Coaxial Cable/RF Relay Matrix	Fujikura/Suhner/TSJ	5D-2W/S04272B/RFM-E421	RE	2006/11/27 * 12
KCC-33/34/KRM-03	Coaxial Cable/RF Relay Matrix	Fujikura/Suhner/TSJ	5D-2W/S04272B/RFM-E421	CE	2006/11/27 * 12
KLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/01/06 * 12
KLS-02	LISN(AMN)	Schwarzbeck	NSLK8127	CE	2006/09/25 * 12
KSA-04	Spectrum Analyzer	Advantest	R3271A	CE/RE	2006/09/05 * 12
KOS-01	Humidity Indicator	Custom	CTH-190	CE	2006/07/14 * 24
KOS-02	Humidity Indicator	Custom	CTH-190	RE	2006/07/10 * 24
KAF-02	Pre Amplifier	Hewlett Packard	8449B	RE	2006/04/24 * 12
KAT10-S1	Attenuator	Agilent	8449D 010	RE	2006/04/11 * 12
KCC-D7	Coaxial Cable	Advantest	A01002	AT all	2006/04/11 * 12
KFL-01	Highpass Filter	Hewlett Packard	84300 80038	RE	2006/04/11 * 12
KHA-01	Horn Antenna	A.H.Systems	SAS-200/571	RE	2006/08/17 * 12
KHA-02	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2006/04/10 * 12
KSA-04	Spectrum Analyzer	Advantest	R3271A	AT 1,3,4	2006/09/05 * 12
MPM-08	Power Meter	Anritsu	ML2495A	AT 2	2006/09/20 * 12
MPSE-11	Power sensor	Anritsu	MA2411B	AT 2	2006/09/20 * 12
KOS-04	Humidity Indicator	SATO	PC-5000TRH	AT all	2006/07/14 * 24

The expiration date of the calibration is the end of the expired month .

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

#### Test Item :

CE: Conducted Emission

RE: Out of Band Emission (Radiated)

AT: Antenna terminal conducted test

1: 6dB Bandwidth

2: Maximum Peak Output Power

3: Out of Band Emission (Conducted)

4: Peak Power Density