

Test report No. : 23LE0006-HO-1
Page : 63 of 98
Issued date : August 01, 2003
FCC ID : AK8PCG492L

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11b), Main Antenna
: Burst Frame mode, CCK, QPSK, 11Mbps
: CH1: 2412MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 23/25/25deg.C
Humidity : 64/55/57%

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dBuV/m]	[dBuV/m]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1061.6	54.9	57.7	23.3	37.6	4.7	0.0	45.3	48.1	74.0	28.7	25.9
2	1133.3	59.4	62.2	23.1	37.7	4.6	0.0	49.4	52.2	74.0	24.6	21.8
3	1313.6	53.0	56.0	23.7	37.5	4.9	0.0	44.1	47.1	75.0	30.9	27.9
4	2336.1	57.7	55.4	30.7	36.9	6.3	0.0	57.8	55.5	74.0	16.2	18.5
5	2390.0	60.2	57.2	30.7	36.9	6.3	0.0	60.3	57.3	74.0	13.8	16.7
6	2400.0	75.2	71.8	30.7	36.9	6.4	0.0	75.4	72.0	91.9	16.6	20.0
7	2582.4	60.0	56.3	31.1	37.0	6.6	0.0	60.7	57.0	74.0	13.3	17.0
8	4824.0	42.5	43.4	35.2	36.8	8.8	0.7	50.4	51.3	74.0	23.6	22.7
9	7236.0	44.0	44.1	37.7	36.5	10.7	0.2	56.1	56.2	74.0	18.0	17.8
10	9648.0	43.7	44.2	37.3	37.2	12.7	0.3	56.8	57.3	74.0	17.2	16.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
11	12060.0	43.4	42.1	40.7	36.8	14.3	0.5	52.6	51.3	74.0	21.4	22.7
12	14472.0	42.4	41.6	42.9	35.4	15.8	0.4	56.6	55.8	74.0	17.4	18.2
13	16884.0	41.8	41.0	45.3	36.4	17.6	2.4	61.2	60.4	74.0	12.8	13.6
14	19296.0	42.3	41.3	40.5	36.0	19.0	0.0	56.3	55.3	74.0	17.7	18.7
15	21708.0	42.4	45.5	40.6	36.0	19.6	0.0	57.1	60.2	74.0	16.9	13.8
16	24120.0	42.7	43.8	40.3	36.9	21.0	0.0	57.6	58.7	74.0	16.4	15.3

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dBuV/m]	[dBuV/m]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1061.6	37.7	38.9	23.3	37.6	4.7	0.0	28.1	29.3	54.0	26.0	24.7
2	1133.3	38.0	39.6	23.1	37.7	4.6	0.0	28.0	29.6	54.0	26.1	24.4
3	1313.6	34.4	35.4	23.7	37.5	4.9	0.0	25.5	26.5	55.0	29.5	28.5
4	2336.1	47.0	44.3	30.7	36.9	6.3	0.0	47.1	44.4	54.0	6.9	9.6
5	2390.0	43.2	40.8	30.7	36.9	6.3	0.0	43.3	40.9	54.0	10.7	13.1
6	2400.0	59.6	55.6	30.7	36.9	6.4	0.0	59.8	55.8	79.0	19.2	23.2
7	2582.4	45.0	41.4	31.1	37.0	6.6	0.0	45.7	42.1	54.0	8.3	11.9
8	4824.0	29.4	29.9	35.2	36.8	8.8	0.7	37.3	37.8	54.0	16.7	16.2
9	7236.0	30.4	30.4	37.7	36.5	10.7	0.2	42.5	42.5	54.0	11.5	11.5
10	9648.0	30.6	30.6	37.3	37.2	12.7	0.3	43.7	43.7	54.0	10.3	10.3
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
11	12060.0	30.8	30.8	40.7	36.8	14.3	0.5	40.0	40.0	54.0	14.0	14.0
12	14472.0	30.3	30.3	42.9	35.4	15.8	0.4	44.5	44.5	54.0	9.5	9.5
13	16884.0	30.2	30.2	45.3	36.4	17.6	2.4	49.6	49.6	54.0	4.4	4.4
14	19296.0	29.8	29.8	40.5	36.0	19.0	0.0	43.8	43.8	54.0	10.2	10.2
15	21708.0	31.5	31.5	40.6	36.0	19.6	0.0	46.2	46.2	54.0	7.8	7.8
16	24120.0	31.6	31.7	40.3	36.9	21.0	0.0	46.5	46.6	54.0	7.5	7.4

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11b), Main Antenna
: Burst Frame mode, CCK, QPSK, 11Mbps
: CH6: 2437MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 23/25/25deg.C
Humidity : 64/55/57%


ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]						[dBuV/m]			[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1052.4	55.4	58.9	22.8	37.8	4.5	0.0	44.9	48.4	74.0	29.1	25.6
2	1134.1	59.0	61.8	23.0	37.7	4.6	0.0	48.9	51.7	74.0	25.1	22.3
3	1458.6	57.6	56.2	24.2	37.3	5.1	0.0	49.6	48.2	74.0	24.4	25.8
4	2372.5	59.7	55.5	30.7	36.9	6.3	0.0	59.8	55.6	74.0	14.3	18.4
5	2496.1	60.4	58.6	30.7	36.9	6.5	0.0	60.7	58.9	74.0	13.4	15.1
6	4874.0	43.3	43.0	35.5	36.8	8.8	0.7	51.5	51.2	74.0	22.5	22.8
7	7311.0	43.8	44.5	37.7	36.6	10.8	0.3	56.0	56.7	74.0	18.0	17.3
8	9748.0	43.7	44.0	37.0	37.2	12.8	0.3	56.6	56.9	74.0	17.4	17.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
9	12185.0	43.4	43.0	41.0	36.7	14.3	0.4	52.9	52.5	74.0	21.1	21.5
10	14622.0	42.2	42.2	43.2	35.5	15.9	0.4	56.7	56.7	74.0	17.3	17.3
11	17059.0	42.6	42.8	44.8	36.2	17.8	3.4	62.9	63.1	74.0	11.1	10.9
12	19496.0	43.0	42.0	40.5	36.0	19.0	0.0	57.0	56.0	74.0	17.0	18.0
13	21933.0	46.1	44.2	40.6	36.0	19.6	0.0	60.8	58.9	74.0	13.2	15.1
14	24370.0	45.1	42.5	40.3	36.9	21.0	0.0	60.0	57.4	74.0	14.0	16.6

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1052.4	37.7	39.4	22.8	37.8	4.5	0.0	27.2	28.9	54.0	26.9	25.1
2	1134.1	37.7	39.5	23.0	37.7	4.6	0.0	27.6	29.4	54.0	26.4	24.6
3	1458.6	35.4	34.8	24.2	37.3	5.1	0.0	27.4	26.8	54.0	26.6	27.2
4	2372.5	44.2	40.5	30.7	36.9	6.3	0.0	44.3	40.6	54.0	9.7	13.4
5	2496.1	45.5	44.4	30.7	36.9	6.5	0.0	45.8	44.6	54.0	8.2	9.4
6	4874.0	29.7	29.9	35.5	36.8	8.8	0.7	37.9	38.1	54.0	16.1	15.9
7	7311.0	30.7	30.7	37.7	36.6	10.8	0.3	42.9	42.9	54.0	11.1	11.2
8	9748.0	30.5	30.4	37.0	37.2	12.8	0.3	43.4	43.3	54.0	10.7	10.7
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
9	12185.0	30.9	30.9	41.0	36.7	14.3	0.4	40.4	40.4	54.0	13.6	13.6
10	14622.0	30.3	30.5	43.2	35.5	15.9	0.4	44.8	45.0	54.0	9.2	9.0
11	17059.0	30.0	30.1	44.8	36.2	17.8	3.4	50.3	50.4	54.0	3.7	3.6
12	19496.0	31.7	30.0	40.5	36.0	19.0	0.0	45.7	44.0	54.0	8.3	10.0
13	21933.0	33.1	33.0	40.6	36.0	19.6	0.0	47.8	47.7	54.0	6.2	6.3
14	24370.0	31.0	31.1	40.3	36.9	21.0	0.0	45.9	46.0	54.0	8.1	8.0

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.5\text{dB}$

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

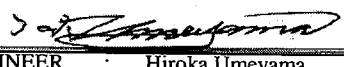
*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11b) , Main Antenna
: Burst Frame mode, CCK, QPSK, 11Mbps
: CH11: 2462MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 23/25/25deg.C
Humidity : 64/55/57%


ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1053.7	56.5	58.9	23.3	37.6	4.7	0.0	46.9	49.3	74.0	27.1	24.7
2	1131.1	59.4	62.4	23.0	37.7	4.6	0.0	49.3	52.3	74.0	24.7	21.7
3	2483.5	60.2	57.1	30.7	36.9	6.4	0.0	60.4	57.3	74.0	13.7	16.7
4	4924.0	44.9	44.5	35.8	36.8	8.9	0.8	53.6	53.2	74.0	20.4	20.8
5	7386.0	43.6	44.4	37.9	36.6	10.8	0.3	56.0	56.8	74.0	18.0	17.3
6	9848.0	44.1	44.2	36.7	37.3	12.9	0.3	56.7	56.8	74.0	17.3	17.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
7	12310.0	42.2	41.6	41.5	36.6	14.4	0.3	52.3	51.7	74.0	21.7	22.3
8	14772.0	41.0	42.5	43.2	35.6	16.1	0.4	55.6	57.1	74.0	18.4	16.9
9	17234.0	41.4	40.5	45.5	36.2	17.9	4.5	63.6	62.7	74.0	10.4	11.3
10	19696.0	42.8	42.0	40.5	36.0	19.0	0.0	56.8	56.0	74.0	17.2	18.0
11	22158.0	44.2	43.9	40.6	36.0	19.6	0.0	58.9	58.6	74.0	15.1	15.4
12	24620.0	44.4	44.4	40.3	36.9	21.0	0.0	59.3	59.3	74.0	14.7	14.7

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1053.7	38.0	39.2	23.3	37.6	4.7	0.0	28.4	29.6	54.0	25.6	24.5
2	1131.1	37.6	39.2	23.0	37.7	4.6	0.0	27.5	29.1	54.0	26.5	24.9
3	2483.5	43.1	40.6	30.7	36.9	6.4	0.0	43.3	40.8	54.0	10.7	13.2
4	4924.0	30.5	30.3	35.8	36.8	8.9	0.8	39.2	39.0	54.0	14.8	15.0
5	7386.0	30.6	30.6	37.9	36.6	10.8	0.3	43.0	43.0	54.0	11.0	11.0
6	9848.0	30.5	30.5	36.7	37.3	12.9	0.3	43.1	43.1	54.0	10.9	10.9
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
7	12310.0	30.7	30.7	41.5	36.6	14.4	0.3	40.8	40.8	54.0	13.2	13.2
8	14772.0	30.2	30.2	43.2	35.6	16.1	0.4	44.8	44.8	54.0	9.2	9.2
9	17234.0	29.6	29.6	45.5	36.2	17.9	4.5	51.8	51.8	54.0	2.2	2.2
10	19696.0	30.3	30.3	40.5	36.0	19.0	0.0	44.3	44.3	54.0	9.7	9.7
11	22158.0	31.6	31.6	40.6	36.0	19.6	0.0	46.3	46.3	54.0	7.7	7.7
12	24620.0	31.7	31.7	40.3	36.9	21.0	0.0	46.6	46.6	54.0	7.4	7.4

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.

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DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11b) , Sub Antenna
: Burst Frame mode, CCK, QPSK, 11Mbps
: CH1: 2412MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 23/25/25deg.C
Humidity : 64/55/57%

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dB]	[dB]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1054.2	56.7	59.5	23.3	37.6	4.7	0.0	47.1	49.9	74.0	26.9	24.1
2	1133.1	59.7	61.8	23.1	37.7	4.6	0.0	49.7	51.8	74.0	24.4	22.2
3	1456.8	57.3	54.3	24.2	37.3	5.1	0.0	49.3	46.3	74.0	24.7	27.8
4	2390.0	61.1	59.0	30.7	36.9	6.3	0.0	61.2	59.1	74.0	12.9	14.9
5	2400.0	75.7	72.7	30.7	36.9	6.4	0.0	75.9	72.9	91.9	16.1	19.1
6	2582.8	62.1	57.6	31.1	37.0	6.6	0.0	62.8	58.3	74.0	11.2	15.7
7	4824.0	46.3	45.7	35.2	36.8	8.8	0.7	54.2	53.6	74.0	19.8	20.4
8	7236.0	43.7	43.7	37.7	36.5	10.7	0.2	55.8	55.8	74.0	18.2	18.2
9	9648.0	44.0	43.8	37.3	37.2	12.7	0.3	57.1	56.9	74.0	17.0	17.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
10	12060.0	42.7	43.3	40.7	36.8	14.3	0.5	51.9	52.5	74.0	22.1	21.5
11	14472.0	42.7	41.5	42.9	35.4	15.8	0.4	56.9	55.7	74.0	17.1	18.3
12	16884.0	42.1	41.6	45.3	36.4	17.6	2.4	61.5	61.0	74.0	12.5	13.0
13	19296.0	41.8	42.8	40.5	36.0	19.0	0.0	55.8	56.8	74.0	18.2	17.2
14	21708.0	44.2	43.3	40.6	36.0	19.6	0.0	58.9	58.0	74.0	15.1	16.0
15	24120.0	43.5	43.3	40.3	36.9	21.0	0.0	58.4	58.2	74.0	15.6	15.8

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dB]	[dB]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1054.2	37.8	40.4	23.3	37.6	4.7	0.0	28.2	30.8	54.0	25.8	23.2
2	1133.1	37.7	39.5	23.1	37.7	4.6	0.0	27.7	29.5	54.0	26.3	24.5
3	1456.8	34.9	34.3	24.2	37.3	5.1	0.0	26.9	26.3	54.0	27.1	27.7
4	2390.0	49.7	47.7	30.7	36.9	6.3	0.0	49.8	47.8	54.0	4.2	6.3
5	2400.0	64.6	61.2	30.7	36.9	6.4	0.0	64.8	61.4	79.1	14.3	17.7
6	2582.8	51.6	46.6	31.1	37.0	6.6	0.0	52.3	47.3	54.0	1.7	6.7
7	4824.0	31.7	31.4	35.2	36.8	8.8	0.7	39.6	39.3	54.0	14.4	14.7
8	7236.0	30.3	30.3	37.7	36.5	10.7	0.2	42.4	42.4	54.0	11.6	11.6
9	9648.0	30.6	30.6	37.3	37.2	12.7	0.3	43.7	43.7	54.0	10.3	10.4
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
10	12060.0	30.6	30.6	40.7	36.8	14.3	0.5	39.8	39.8	54.0	14.2	14.2
11	14472.0	30.4	30.4	42.9	35.4	15.8	0.4	44.6	44.6	54.0	9.4	9.4
12	16884.0	30.3	30.3	45.3	36.4	17.6	2.4	49.7	49.7	54.0	4.3	4.3
13	19296.0	29.9	29.9	40.5	36.0	19.0	0.0	43.9	43.9	54.0	10.1	10.1
14	21708.0	31.5	31.4	40.6	36.0	19.6	0.0	46.2	46.1	54.0	7.8	7.9
15	24120.0	31.6	31.7	40.3	36.9	21.0	0.0	46.5	46.6	54.0	7.5	7.4

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.5\text{dB}$

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.

UL Apex Co., Ltd.

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MF060b(10.04.03)

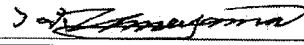
Test report No. : 23LE0006-HO-1
Page : 67 of 98
Issued date : August 01, 2003
FCC ID : AK8PCG492L

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11b), Sub Antenna
: Burst Frame mode, CCK, QPSK, 11Mbps
: CH6: 2437MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 23/25/25deg.C
Humidity : 64/55/57%


ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dB]	[dB]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1054.8	55.9	57.7	22.8	37.8	4.5	0.0	45.4	47.2	74.0	28.6	26.8
2	1134.0	59.3	63.2	23.0	37.7	4.6	0.0	49.2	53.1	74.0	24.8	20.9
3	1314.6	52.4	57.7	23.7	37.5	4.9	0.0	43.5	48.8	74.0	30.5	25.2
4	2375.1	58.8	56.0	30.7	36.9	6.3	0.0	58.9	56.1	74.0	15.1	17.9
5	2608.0	57.8	56.5	31.1	37.0	6.6	0.0	58.5	57.2	74.0	15.5	16.8
6	4874.0	46.7	45.7	35.5	36.8	8.8	0.7	54.9	53.9	74.0	19.1	20.1
7	7311.0	43.8	43.7	37.7	36.6	10.8	0.3	56.0	55.9	74.0	18.0	18.1
8	9748.0	43.8	43.8	37.0	37.2	12.8	0.3	56.7	56.7	74.0	17.3	17.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
9	12185.0	43.8	43.1	41.0	36.7	14.3	0.4	53.3	52.6	74.0	20.7	21.4
10	14622.0	42.2	42.0	43.2	35.5	15.9	0.4	56.7	56.5	74.0	17.3	17.5
11	17059.0	42.6	43.0	44.8	36.2	17.8	3.4	62.9	63.3	74.0	11.1	10.7
12	19496.0	42.9	41.6	40.5	36.0	19.0	0.0	56.9	55.6	74.0	17.1	18.4
13	21933.0	46.0	45.3	40.6	36.0	19.6	0.0	60.7	60.0	74.0	13.3	14.0
14	24370.0	43.3	43.0	40.3	36.9	21.0	0.0	58.2	57.9	74.0	15.8	16.1

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dB]	[dB]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1054.8	38.0	39.3	22.8	37.8	4.5	0.0	27.5	28.8	54.0	26.5	25.2
2	1134.0	38.1	39.9	23.0	37.7	4.6	0.0	28.0	29.8	54.0	26.0	24.2
3	1314.6	33.7	37.0	23.7	37.5	4.9	0.0	24.8	28.1	54.0	29.2	25.9
4	2375.1	47.3	45.0	30.7	36.9	6.3	0.0	47.4	45.1	54.0	6.6	9.0
5	2608.0	46.5	45.7	31.1	37.0	6.6	0.0	47.2	46.4	54.0	6.8	7.6
6	4874.0	32.5	31.8	35.5	36.8	8.8	0.7	40.7	40.0	54.0	13.3	14.0
7	7311.0	30.6	30.6	37.7	36.6	10.8	0.3	42.8	42.8	54.0	11.2	11.2
8	9748.0	30.4	30.4	37.0	37.2	12.8	0.3	43.3	43.3	54.0	10.7	10.7
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
9	12185.0	30.9	30.9	41.0	36.7	14.3	0.4	40.4	40.4	54.0	13.6	13.6
10	14622.0	30.6	30.8	43.2	35.5	15.9	0.4	45.1	45.3	54.0	8.9	8.7
11	17059.0	30.2	30.2	44.8	36.2	17.8	3.4	50.5	50.5	54.0	3.5	3.5
12	19496.0	31.7	30.0	40.5	36.0	19.0	0.0	45.7	44.0	54.0	8.3	10.0
13	21933.0	33.1	33.0	40.6	36.0	19.6	0.0	47.8	47.7	54.0	6.2	6.3
14	24370.0	31.1	31.1	40.3	36.9	21.0	0.0	46.0	46.0	54.0	8.0	8.0

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.5\text{dB}$

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11b) , Sub Antenna
: Burst Frame mode, CCK, QPSK, 11Mbps
: CH11: 2462MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 23/25/25deg.C
Humidity : 64/55/57%

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1054.9	56.4	58.9	23.3	37.6	4.7	0.0	46.8	49.3	74.0	27.2	24.7
2	1133.7	59.8	60.3	23.0	37.7	4.6	0.0	49.7	50.2	74.0	24.3	23.8
3	1456.6	54.4	55.8	24.2	37.3	5.1	0.0	46.4	47.8	74.0	27.6	26.2
4	2483.5	64.5	61.6	30.7	36.9	6.4	0.0	64.7	61.8	74.0	9.3	12.2
5	4924.0	48.1	47.1	35.8	36.8	8.9	0.8	56.8	55.8	74.0	17.2	18.2
6	7386.0	43.7	44.6	37.9	36.6	10.8	0.3	56.1	57.0	74.0	17.9	17.0
7	9848.0	43.4	44.2	36.7	37.3	12.9	0.3	56.0	56.8	74.0	18.0	17.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12310.0	43.0	42.5	41.5	36.6	14.4	0.3	53.1	52.6	74.0	20.9	21.4
9	14772.0	41.5	42.4	43.2	35.6	16.1	0.4	56.1	57.0	74.0	17.9	17.0
10	17234.0	41.3	40.9	45.5	36.2	17.9	4.5	63.5	63.1	74.0	10.5	10.9
11	19696.0	42.9	41.7	40.5	36.0	19.0	0.0	56.9	55.7	74.0	17.1	18.3
12	22158.0	44.1	43.9	40.6	36.0	19.6	0.0	58.8	58.6	74.0	15.2	15.4
13	24620.0	43.9	44.1	40.3	36.9	21.0	0.0	58.8	59.0	74.0	15.2	15.0

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dB]	[dB]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1054.9	37.9	39.6	23.3	37.6	4.7	0.0	28.3	30.0	54.0	25.7	24.0
2	1133.7	38.0	37.7	23.0	37.7	4.6	0.0	27.9	27.6	54.0	26.1	26.4
3	1456.6	33.6	34.0	24.2	37.3	5.1	0.0	25.6	26.0	54.0	28.4	28.0
4	2483.5	53.2	49.9	30.7	36.9	6.4	0.0	53.4	50.1	54.0	0.6	3.9
5	4924.0	33.8	32.7	35.8	36.8	8.9	0.8	42.5	41.4	54.0	11.5	12.6
6	7386.0	30.6	30.6	37.9	36.6	10.8	0.3	43.0	43.0	54.0	11.0	11.0
7	9848.0	30.5	30.5	36.7	37.3	12.9	0.3	43.1	43.1	54.0	10.9	10.9
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
8	12310.0	30.7	30.6	41.5	36.6	14.4	0.3	40.8	40.7	54.0	13.2	13.3
9	14772.0	30.3	30.0	43.2	35.6	16.1	0.4	44.9	44.6	54.0	9.1	9.4
10	17234.0	29.4	29.4	45.5	36.2	17.9	4.5	51.6	51.6	54.0	2.4	2.4
11	19696.0	30.2	30.3	40.5	36.0	19.0	0.0	44.2	44.3	54.0	9.8	9.7
12	22158.0	31.6	31.6	40.6	36.0	19.6	0.0	46.3	46.3	54.0	7.7	7.7
13	24620.0	31.7	31.7	40.3	36.9	21.0	0.0	46.6	46.6	54.0	7.4	7.4

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.5\text{dB}$

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11g) , Main Antenna
: Burst Frame mode, OFDM, 64QAM, 54Mbps
: CH1: 2412MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 24/25/25deg.C
Humidity : 60/55/57%

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1050.6	57.0	58.1	23.3	37.6	4.7	0.0	47.4	48.5	74.0	26.6	25.5
2	1134.1	60.8	63.3	23.1	37.7	4.6	0.0	50.8	53.3	74.0	23.2	20.7
3	2367.9	61.9	58.5	30.7	36.9	6.3	0.0	62.0	58.6	74.0	12.0	15.4
4	2390.0	67.5	66.4	30.7	36.9	6.3	0.0	67.6	66.5	74.0	6.4	7.5
5	2400.0	86.9	83.9	30.7	36.9	6.4	0.0	87.1	84.1	87.5	0.4	3.4
6	2580.3	62.6	59.3	31.1	37.0	6.6	0.0	63.3	60.0	74.0	10.7	14.0
7	4824.0	43.2	42.6	35.2	36.8	8.8	0.7	51.1	50.5	74.0	22.9	23.5
8	7236.0	43.3	43.3	37.7	36.5	10.7	0.2	55.4	55.4	74.0	18.6	18.6
9	9648.0	44.1	43.0	37.3	37.2	12.7	0.3	57.2	56.1	74.0	16.8	17.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
10	12060.0	42.7	43.0	40.7	36.8	14.3	0.5	51.9	52.2	74.0	22.1	21.8
11	14472.0	42.9	41.9	42.9	35.4	15.8	0.4	57.1	56.1	74.0	16.9	17.9
12	16884.0	41.5	42.9	45.3	36.4	17.6	2.4	60.9	62.3	74.0	13.1	11.7
13	19296.0	40.7	42.3	40.5	36.0	19.0	0.0	54.7	56.3	74.0	19.3	17.7
14	21708.0	43.1	43.5	40.6	36.0	19.6	0.0	57.8	58.2	74.0	16.2	15.8
15	24120.0	44.5	43.6	40.3	36.9	21.0	0.0	59.4	58.5	74.0	14.6	15.5

AV DETECT

No.	FREQ	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]							[dBuV/m]			[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1050.6	38.5	37.2	23.3	37.6	4.7	0.0	28.9	27.6	54.0	25.1	26.4
2	1134.1	38.8	40.4	23.1	37.7	4.6	0.0	28.8	30.4	54.0	25.3	23.6
3	2367.9	50.2	47.3	30.7	36.9	6.3	0.0	50.3	47.4	54.0	3.7	6.6
4	2390.0	46.7	44.5	30.7	36.9	6.3	0.0	46.8	44.6	54.0	7.2	9.4
5	2400.0	59.6	56.5	30.7	36.9	6.4	0.0	59.8	56.7	71.6	11.8	14.9
6	2580.3	47.4	42.6	31.1	37.0	6.6	0.0	48.1	43.3	54.0	5.9	10.7
7	4824.0	29.4	29.4	35.2	36.8	8.8	0.7	37.3	37.3	54.0	16.7	16.8
8	7236.0	30.1	30.1	37.7	36.5	10.7	0.2	42.2	42.2	54.0	11.8	11.8
9	9648.0	30.2	30.2	37.3	37.2	12.7	0.3	43.3	43.3	54.0	10.7	10.8
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
10	12060.0	30.6	31.0	40.7	36.8	14.3	0.5	39.8	40.2	54.0	14.2	13.8
11	14472.0	30.3	30.4	42.9	35.4	15.8	0.4	44.5	44.6	54.0	9.5	9.4
12	16884.0	30.2	30.2	45.3	36.4	17.6	2.4	49.6	49.6	54.0	4.4	4.4
13	19296.0	29.8	29.9	40.5	36.0	19.0	0.0	43.8	43.9	54.0	10.2	10.1
14	21708.0	31.6	31.6	40.6	36.0	19.6	0.0	46.3	46.3	54.0	7.7	7.7
15	24120.0	31.7	31.6	40.3	36.9	21.0	0.0	46.6	46.5	54.0	7.4	7.5

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.5\text{dB}$

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11g) , Main Antenna
: Burst Frame mode, OFDM, 64QAM, 54Mbps
: CH6: 2437MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 24/25/25deg.C
Humidity : 60/55/57%


ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dB]	[dB]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1055.0	56.7	59.0	22.8	37.8	4.5	0.0	46.2	48.5	74.0	27.9	25.5
2	1132.7	60.7	60.8	23.0	37.7	4.6	0.0	50.6	50.7	74.0	23.5	23.3
3	1457.5	54.7	56.7	24.2	37.3	5.1	0.0	46.7	48.7	74.0	27.3	25.4
4	2368.0	61.3	58.1	30.7	36.9	6.3	0.0	61.4	58.2	74.0	12.6	15.8
5	2528.0	60.8	56.9	31.1	37.0	6.6	0.0	61.5	57.6	74.0	12.5	16.4
6	4874.0	42.4	42.9	35.5	36.8	8.8	0.7	50.6	51.1	74.0	23.4	22.9
7	7311.0	43.7	43.4	37.7	36.6	10.8	0.3	55.9	55.6	74.0	18.1	18.4
8	9748.0	43.2	44.1	37.0	37.2	12.8	0.3	56.1	57.0	74.0	17.9	17.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
9	12185.0	43.6	42.6	41.0	36.7	14.3	0.4	53.1	52.1	74.0	20.9	21.9
10	14622.0	42.1	43.8	43.2	35.5	15.9	0.4	56.6	58.3	74.0	17.4	15.7
11	17059.0	41.7	41.7	44.8	36.2	17.8	3.4	62.0	62.0	74.0	12.0	12.0
12	19496.0	41.5	41.0	40.5	36.0	19.0	0.0	55.5	55.0	74.0	18.5	19.0
13	21933.0	43.9	44.4	40.6	36.0	19.6	0.0	58.6	59.1	74.0	15.4	14.9
14	24370.0	42.4	42.4	40.3	36.9	21.0	0.0	57.3	57.3	74.0	16.7	16.7

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1055.0	38.3	38.8	22.8	37.8	4.5	0.0	27.8	28.3	54.0	26.2	25.7
2	1132.7	38.2	39.0	23.0	37.7	4.6	0.0	28.1	28.9	54.0	25.9	25.1
3	1457.5	33.9	34.2	24.2	37.3	5.1	0.0	25.9	26.2	54.0	28.1	27.8
4	2368.0	49.0	45.8	30.7	36.9	6.3	0.0	49.1	45.9	54.0	4.9	8.1
5	2528.0	49.1	44.9	31.1	37.0	6.6	0.0	49.8	45.6	54.0	4.2	8.5
6	4874.0	29.5	29.5	35.5	36.8	8.8	0.7	37.7	37.7	54.0	16.3	16.3
7	7311.0	31.3	30.3	37.7	36.6	10.8	0.3	43.5	42.5	54.0	10.5	11.5
8	9748.0	30.0	30.1	37.0	37.2	12.8	0.3	42.9	43.0	54.0	11.1	11.1
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
9	12185.0	30.9	30.8	41.0	36.7	14.3	0.4	40.4	40.3	54.0	13.6	13.7
10	14622.0	30.5	30.5	43.2	35.5	15.9	0.4	45.0	45.0	54.0	9.0	9.0
11	17059.0	30.1	30.1	44.8	36.2	17.8	3.4	50.4	50.4	54.0	3.6	3.6
12	19496.0	30.0	30.1	40.5	36.0	19.0	0.0	44.0	44.1	54.0	10.0	9.9
13	21933.0	33.1	33.1	40.6	36.0	19.6	0.0	47.8	47.8	54.0	6.2	6.2
14	24370.0	31.1	31.1	40.3	36.9	21.0	0.0	46.0	46.0	54.0	8.0	8.0

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.5\text{dB}$

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.

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MF060b(10.04.03)

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11g) , Main Antenna
: Burst Frame mode, OFDM, 64QAM, 54Mbps
: CH11: 2462MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 24/25/25deg.C
Humidity : 60/55/57%

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1052.9	57.4	58.4	23.3	37.6	4.7	0.0	47.8	48.8	74.0	26.2	25.3
2	1133.6	59.1	63.6	23.0	37.7	4.6	0.0	49.0	53.5	74.0	25.0	20.5
3	1460.0	52.5	56.9	24.2	37.3	5.1	0.0	44.5	48.9	74.0	29.5	25.1
4	2483.5	72.9	67.1	30.7	36.9	6.4	0.0	73.1	67.3	74.0	0.9	6.7
5	4924.0	43.2	42.6	35.8	36.8	8.9	0.8	51.9	51.3	74.0	22.1	22.7
6	7386.0	43.0	43.7	37.9	36.6	10.8	0.3	55.4	56.1	74.0	18.6	17.9
7	9848.0	43.6	43.2	36.7	37.3	12.9	0.3	56.2	55.8	74.0	17.8	18.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12310.0	43.1	42.4	41.5	36.6	14.4	0.3	53.2	52.5	74.0	20.8	21.5
9	14772.0	42.0	41.5	43.2	35.6	16.1	0.4	56.6	56.1	74.0	17.4	17.9
10	17234.0	41.1	41.8	45.5	36.2	17.9	4.5	63.3	64.0	74.0	10.7	10.0
11	19696.0	42.0	41.3	40.5	36.0	19.0	0.0	56.0	55.3	74.0	18.0	18.7
12	22158.0	43.6	43.0	40.6	36.0	19.6	0.0	58.3	57.7	74.0	15.7	16.3
13	24620.0	43.2	44.3	40.3	36.9	21.0	0.0	58.1	59.2	74.0	15.9	14.8

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1052.9	38.5	38.9	23.3	37.6	4.7	0.0	28.9	29.3	54.0	25.2	24.7
2	1133.6	37.7	40.0	23.0	37.7	4.6	0.0	27.6	29.9	54.0	26.4	24.1
3	1460.0	33.3	34.8	24.2	37.3	5.1	0.0	25.3	26.8	54.0	28.7	27.2
4	2483.5	49.1	44.0	30.7	36.9	6.4	0.0	49.3	44.2	54.0	4.7	9.8
5	4924.0	29.5	29.5	35.8	36.8	8.9	0.8	38.2	38.2	54.0	15.8	15.8
6	7386.0	30.2	30.2	37.9	36.6	10.8	0.3	42.6	42.6	54.0	11.4	11.4
7	9848.0	30.1	30.1	36.7	37.3	12.9	0.3	42.7	42.7	54.0	11.3	11.3
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
8	12310.0	30.8	30.8	41.5	36.6	14.4	0.3	40.9	40.9	54.0	13.1	13.1
9	14772.0	30.3	29.8	43.2	35.6	16.1	0.4	44.9	44.4	54.0	9.1	9.6
10	17234.0	29.4	29.4	45.5	36.2	17.9	4.5	51.6	51.6	54.0	2.4	2.4
11	19696.0	30.3	30.3	40.5	36.0	19.0	0.0	44.3	44.3	54.0	9.7	9.7
12	22158.0	31.7	31.6	40.6	36.0	19.6	0.0	46.4	46.3	54.0	7.6	7.7
13	24620.0	31.7	31.7	40.3	36.9	21.0	0.0	46.6	46.6	54.0	7.4	7.4

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.

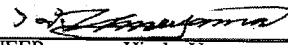
Test report No. : 23LE0006-HO-1
Page : 72 of 98
Issued date : August 01, 2003
FCC ID : AK8PCG492L

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11g), Sub Antenna
: Burst Frame mode, OFDM, 64QAM, 54Mbps
: CH1: 2412MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 24/25/25deg.C
Humidity : 60/55/57%


ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]										
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1052.0	55.4	59.8	23.3	37.6	4.7	0.0	45.8	50.2	74.0	28.2	23.8
2	1132.9	61.0	62.2	23.1	37.7	4.6	0.0	51.0	52.2	74.0	23.0	21.8
3	1293.1	55.9	56.0	23.4	37.6	4.7	0.0	46.4	46.5	74.0	27.6	27.5
4	2336.0	59.5	56.2	30.7	36.9	6.3	0.0	59.6	56.3	74.0	14.4	17.8
5	2390.0	61.2	58.4	30.7	36.9	6.3	0.0	61.3	58.5	74.0	12.7	15.6
6	2400.0	81.8	77.4	30.7	36.9	6.4	0.0	82.0	77.6	88.1	6.0	10.4
7	2580.4	59.9	58.0	31.1	37.0	6.6	0.0	60.6	58.7	74.0	13.4	15.3
8	4824.0	57.0	43.2	35.2	36.8	8.8	0.0	64.2	50.4	74.0	9.8	23.6
9	7236.0	43.8	43.8	37.7	36.5	10.7	0.0	55.7	55.7	74.0	18.3	18.3
10	9648.0	43.3	44.1	37.3	37.2	12.7	0.0	56.1	56.9	74.0	17.9	17.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
11	12060.0	43.1	42.7	40.7	36.8	14.3	0.5	52.3	51.9	74.0	21.7	22.1
12	14472.0	41.6	42.8	42.9	35.4	15.8	0.4	55.8	57.0	74.0	18.2	17.0
13	16884.0	41.8	42.0	45.3	36.4	17.6	2.4	61.2	61.4	74.0	12.8	12.6
14	19296.0	42.1	41.5	40.5	36.0	19.0	0.0	56.1	55.5	74.0	17.9	18.5
15	21708.0	44.2	44.9	40.6	36.0	19.6	0.0	58.9	59.6	74.0	15.1	14.4
16	24120.0	43.2	43.6	40.3	36.9	21.0	0.0	58.1	58.5	74.0	15.9	15.5

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1052.0	37.3	40.1	23.3	37.6	4.7	0.0	27.7	30.5	54.0	26.3	23.6
2	1132.9	38.8	39.6	23.1	37.7	4.6	0.0	28.8	29.6	54.0	25.2	24.4
3	1293.1	35.5	35.8	23.4	37.6	4.7	0.0	26.0	26.3	54.0	28.0	27.7
4	2336.0	48.9	45.6	30.7	36.9	6.3	0.0	49.0	45.7	54.0	5.1	8.3
5	2390.0	42.9	40.3	30.7	36.9	6.3	0.0	43.0	40.4	54.0	11.0	13.6
6	2400.0	56.1	52.0	30.7	36.9	6.4	0.0	56.3	52.2	69.9	13.6	17.7
7	2580.4	45.0	43.0	31.1	37.0	6.6	0.0	45.7	43.7	54.0	8.3	10.3
8	4824.0	30.2	29.8	35.2	36.8	8.8	0.0	37.4	37.0	54.0	16.6	17.0
9	7236.0	30.2	30.1	37.7	36.5	10.7	0.0	42.1	42.0	54.0	11.9	12.0
10	9648.0	30.4	30.4	37.3	37.2	12.7	0.0	43.2	43.2	54.0	10.8	10.8
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
11	12060.0	30.9	30.6	40.7	36.8	14.3	0.5	40.1	39.8	54.0	13.9	14.2
12	14472.0	30.4	30.3	42.9	35.4	15.8	0.4	44.6	44.5	54.0	9.4	9.5
13	16884.0	30.2	30.2	45.3	36.4	17.6	2.4	49.6	49.6	54.0	4.4	4.4
14	19296.0	29.9	29.9	40.5	36.0	19.0	0.0	43.9	43.9	54.0	10.1	10.1
15	21708.0	31.6	31.6	40.6	36.0	19.6	0.0	46.3	46.3	54.0	7.7	7.7
16	24120.0	31.6	31.7	40.3	36.9	21.0	0.0	46.5	46.6	54.0	7.5	7.4

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.

Test report No. : 23LE0006-HO-1
Page : 73 of 98
Issued date : August 01, 2003
FCC ID : AK8PCG492L

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11g) , Sub Antenna
: Burst Frame mode, OFDM, 64QAM, 54Mbps
: CH6: 2437MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 24/25/25deg.C
Humidity : 60/55/57%


ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1053.3	57.2	59.1	22.8	37.8	4.5	0.0	46.7	48.6	74.0	27.3	25.4
2	1133.4	60.1	63.0	23.0	37.7	4.6	0.0	50.0	52.9	74.0	24.0	21.1
3	1458.9	57.4	56.7	24.2	37.3	5.1	0.0	49.4	48.7	74.0	24.6	25.4
4	2605.6	58.6	57.7	31.1	37.0	6.6	0.0	59.3	58.4	74.0	14.7	15.6
5	4874.0	44.4	42.8	35.5	36.8	8.8	0.0	51.9	50.3	74.0	22.2	23.7
6	7311.0	43.6	44.2	37.7	36.6	10.8	0.0	55.5	56.1	74.0	18.5	17.9
7	9748.0	43.4	44.8	37.0	37.2	12.8	0.0	56.0	57.4	74.0	18.0	16.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12185.0	42.6	43.1	41.0	36.7	14.3	0.4	52.1	52.6	74.0	21.9	21.4
9	14622.0	43.0	43.3	43.2	35.5	15.9	0.4	57.5	57.8	74.0	16.5	16.2
10	17059.0	41.4	41.7	44.8	36.2	17.8	3.4	61.7	62.0	74.0	12.3	12.0
11	19496.0	42.3	41.2	40.5	36.0	19.0	0.0	56.3	55.2	74.0	17.7	18.8
12	21933.0	44.9	44.1	40.6	36.0	19.6	0.0	59.6	58.8	74.0	14.4	15.2
13	24370.0	42.6	42.6	40.3	36.9	21.0	0.0	57.5	57.5	74.0	16.5	16.5

AV DETECT

No.	FREQ	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dB]	[dB]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1053.3	37.8	39.9	22.8	37.8	4.5	0.0	27.3	29.4	54.0	26.7	24.6
2	1133.4	38.3	40.1	23.0	37.7	4.6	0.0	28.2	30.0	54.0	25.8	24.1
3	1458.9	35.4	35.3	24.2	37.3	5.1	0.0	27.4	27.3	54.0	26.6	26.7
4	2605.6	43.6	42.8	31.1	37.0	6.6	0.0	44.3	43.5	54.0	9.7	10.5
5	4874.0	29.7	29.5	35.5	36.8	8.8	0.0	37.2	37.0	54.0	16.8	17.0
6	7311.0	30.4	30.4	37.7	36.6	10.8	0.0	42.3	42.3	54.0	11.7	11.7
7	9748.0	30.4	30.4	37.0	37.2	12.8	0.0	43.0	43.0	54.0	11.0	11.0
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
8	12185.0	30.7	30.7	41.0	36.7	14.3	0.4	40.2	40.2	54.0	13.8	13.8
9	14622.0	30.7	30.6	43.2	35.5	15.9	0.4	45.2	45.1	54.0	8.8	8.9
10	17059.0	30.1	30.1	44.8	36.2	17.8	3.4	50.4	50.4	54.0	3.6	3.6
11	19496.0	30.0	30.0	40.5	36.0	19.0	0.0	44.0	44.0	54.0	10.0	10.0
12	21933.0	33.0	33.1	40.6	36.0	19.6	0.0	47.7	47.8	54.0	6.3	6.2
13	24370.0	31.1	31.1	40.3	36.9	21.0	0.0	46.0	46.0	54.0	8.0	8.0

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.

Test report No. : 23LE0006-HO-1
Page : 74 of 98
Issued date : August 01, 2003
FCC ID : AK8PCG492L

DATA OF SPURIOUS EMISSIONS(1GHz to 26GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

Company : Sony Corp.
Equipment : Notebook Personal Computer
Model : PCG-492L
Sample No. : DVT25
Power : AC120V/60Hz
Mode : Transmitting (IEEE 802.11g), Sub Antenna
: Burst Frame mode, OFDM, 64QAM, 54Mbps
: CH11: 2462MHz
FCC ID : AK8PCG492L
IC No. : 409B-PCG492L

Report No. : 23LE0006-HO
Regulation : Fcc Part15 Subpart C 15.247(b)(3)
Test Distance : 3/1m
Date : July 20,21,22/2003
Temperature : 24/25/25deg.C
Humidity : 60/55/57%

ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	T/R READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1052.9	56.4	58.2	23.3	37.6	4.7	0.0	46.8	48.6	74.0	27.2	25.4
2	1133.6	60.9	63.6	23.0	37.7	4.6	0.0	50.8	53.5	74.0	23.2	20.5
3	1456.5	56.2	56.3	24.2	37.3	5.1	0.0	48.2	48.3	74.0	25.9	25.7
4	2483.5	68.9	67.3	30.7	36.9	6.4	0.0	69.1	67.5	74.0	4.9	6.5
5	4924.0	43.2	42.9	35.8	36.8	8.9	0.8	51.9	51.6	74.0	22.1	22.4
6	7386.0	43.4	43.2	37.9	36.6	10.8	0.3	55.8	55.6	74.0	18.2	18.4
7	9848.0	43.0	43.4	36.7	37.3	12.9	0.3	55.6	56.0	74.0	18.4	18.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12310.0	42.6	42.5	41.5	36.6	14.4	0.3	52.7	52.6	74.0	21.3	21.4
9	14772.0	42.2	42.3	43.2	35.6	16.1	0.4	56.8	56.9	74.0	17.2	17.1
10	17234.0	41.9	40.9	45.5	36.2	17.9	4.5	64.1	63.1	74.0	9.9	10.9
11	19696.0	41.9	41.0	40.5	36.0	19.0	0.0	55.9	55.0	74.0	18.1	19.0
12	22158.0	43.2	43.7	40.6	36.0	19.6	0.0	57.9	58.4	74.0	16.1	15.6
13	24620.0	43.3	43.8	40.3	36.9	21.0	0.0	58.2	58.7	74.0	15.8	15.3

AV DETECT

No.	FREQ [MHz]	T/R READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1052.9	37.8	39.3	23.3	37.6	4.7	0.0	28.2	29.7	54.0	25.8	24.3
2	1133.6	38.6	40.4	23.0	37.7	4.6	0.0	28.5	30.3	54.0	25.5	23.7
3	1456.5	34.4	34.8	24.2	37.3	5.1	0.0	26.4	26.8	54.0	27.6	27.2
4	2483.5	49.3	46.8	30.7	36.9	6.4	0.0	49.5	47.0	54.0	4.5	7.0
5	4924.0	29.5	29.5	35.8	36.8	8.9	0.8	38.2	38.2	54.0	15.8	15.8
6	7386.0	30.2	30.2	37.9	36.6	10.8	0.3	42.6	42.6	54.0	11.4	11.4
7	9848.0	30.1	30.1	36.7	37.3	12.9	0.3	42.7	42.7	54.0	11.3	11.3
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
8	12310.0	30.7	30.8	41.5	36.6	14.4	0.3	40.8	40.9	54.0	13.2	13.1
9	14772.0	29.7	29.7	43.2	35.6	16.1	0.4	44.3	44.3	54.0	9.7	9.7
10	17234.0	29.7	29.4	45.5	36.2	17.9	4.5	51.9	51.6	54.0	2.1	2.4
11	19696.0	30.3	30.2	40.5	36.0	19.0	0.0	44.3	44.2	54.0	9.7	9.8
12	22158.0	31.6	31.6	40.6	36.0	19.6	0.0	46.3	46.3	54.0	7.7	7.7
13	24620.0	31.7	31.7	40.3	36.9	21.0	0.0	46.6	46.6	54.0	7.4	7.4

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.5\text{dB}$

*Except for the above table : All other spurious emissions were less than 20dB for the limit.

*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The limit values at frequencies excepting restricted bands indicated in 15.205 are values 20dB below lower peak output powers at each channel.