

APPENDIX 2: Data of EMI test

Conducted Emission

Tx, Ch:Low

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
 Date : 2008/01/26

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0117-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-2001	Temp./Humi.	: 25deg. C / 33%
Serial No.	: 03-TSP1220H-0000650-PSPXXX	Operator	: Motoya Imura

Mode / Remarks : WLAN 11b, Tx 2412MHz, 11Mbps

LIMIT : FCC15.207 QP
 FCC15.207 AV

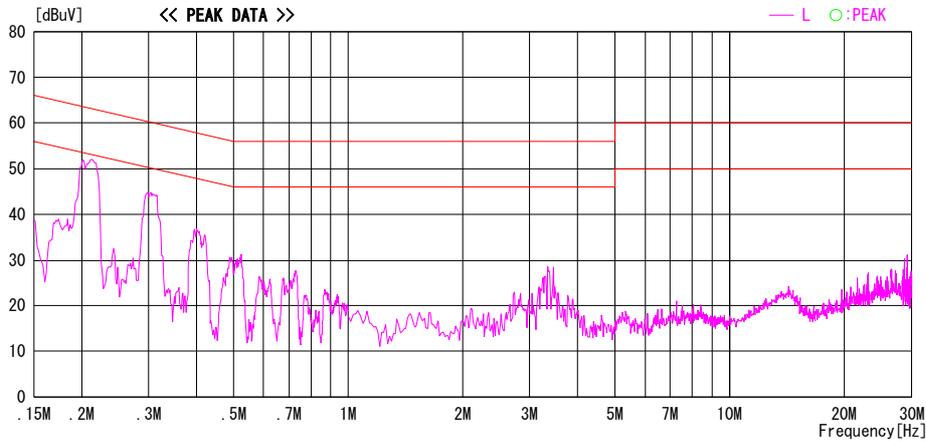
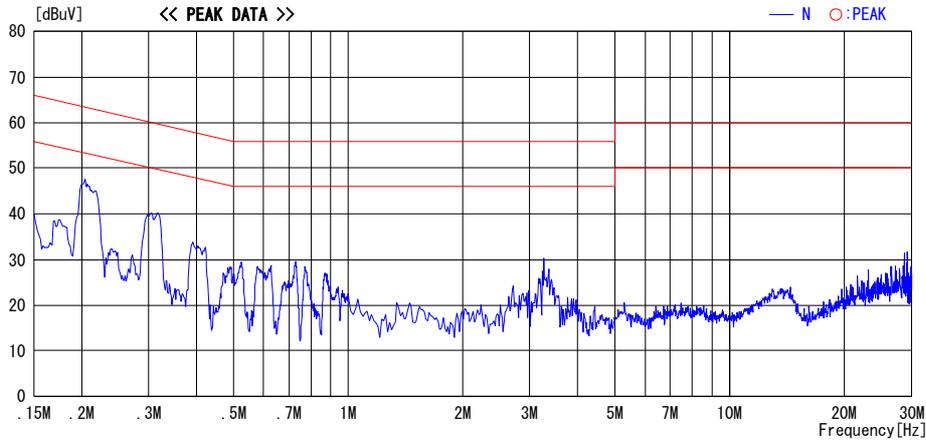


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

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

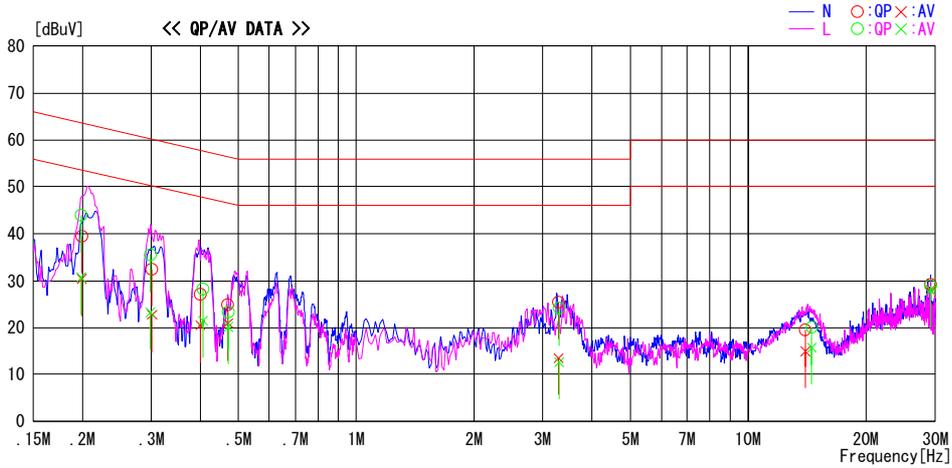
Conducted Emission
Tx, Ch:Mid
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/01/26

Company : Sony Computer Entertainment Inc. Report No. : 28FE0117-HO-01
Kind of EUT : PSP Power : AC 120V / 60Hz
Model No. : PSP-2001 Temp./Humi. : 25deg. C / 33%
Serial No. : 03-TSP1220H-0000650-PSPXXXX Operator : Motoya Imura

Mode / Remarks : WLAN 11b, Tx 2437MHz, 11Mbps

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.19930	39.2	30.1	0.3	39.5	30.4	63.6	53.6	24.1	23.2	N
0.30158	32.2	22.5	0.3	32.5	22.8	60.2	50.2	27.7	27.4	N
0.40039	26.9	20.2	0.3	27.2	20.5	57.8	47.8	30.6	27.3	N
0.47010	24.6	20.7	0.3	24.9	21.0	56.5	46.5	31.6	25.6	N
3.29300	24.8	12.9	0.7	25.5	13.6	56.0	46.0	30.5	32.4	N
14.01100	18.0	13.3	1.7	19.7	15.0	60.0	50.0	40.4	35.0	N
29.23700	26.8	25.6	2.5	29.3	28.1	60.0	50.0	30.7	21.9	N
0.19830	43.6	30.4	0.3	43.9	30.7	63.7	53.7	19.8	23.0	L
0.29875	35.2	23.0	0.3	35.5	23.3	60.3	50.3	24.8	27.0	L
0.40670	27.9	21.3	0.3	28.2	21.6	57.7	47.7	29.5	26.1	L
0.47160	23.0	19.9	0.3	23.3	20.2	56.5	46.5	33.2	26.3	L
3.30100	23.5	12.0	0.7	24.2	12.7	56.0	46.0	31.8	33.3	L
14.52400	18.3	14.0	1.8	20.1	15.8	60.0	50.0	39.9	34.3	L
29.24330	26.4	25.5	2.5	28.9	28.0	60.0	50.0	31.1	22.0	L

CHART:WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C. F (L I S N LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

*The limit is rounded down to one decimal place. *The test result is round off to one or two decimal places, so some differences might be observed.

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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
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Conducted Emission
Tx, Ch:High
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
 Date : 2008/01/26

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0117-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-2001	Temp./Humi.	: 25deg. C / 33%
Serial No.	: 03-TSP1220H-0000650-PSPXXXX	Operator	: Motoya Imura

Mode / Remarks : WLAN 11b, Tx 2462MHz, 11Mbps

LIMIT : FCC15.207 QP
FCC15.207 AV

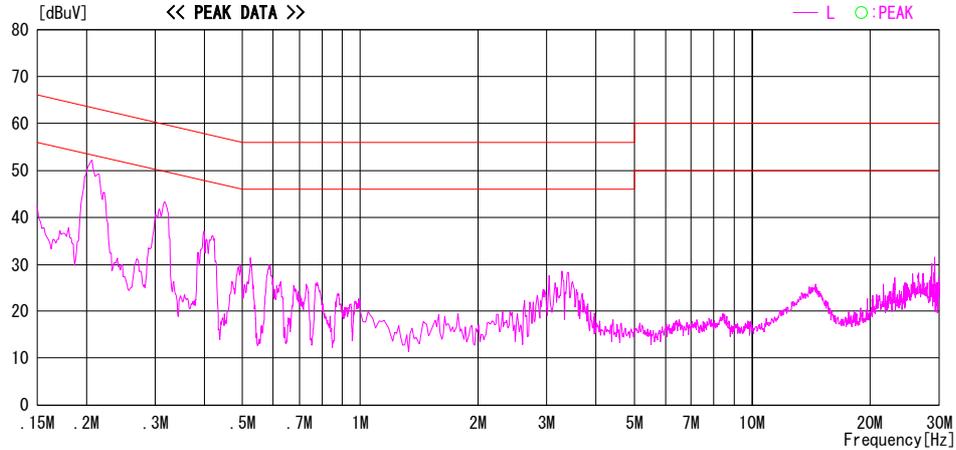
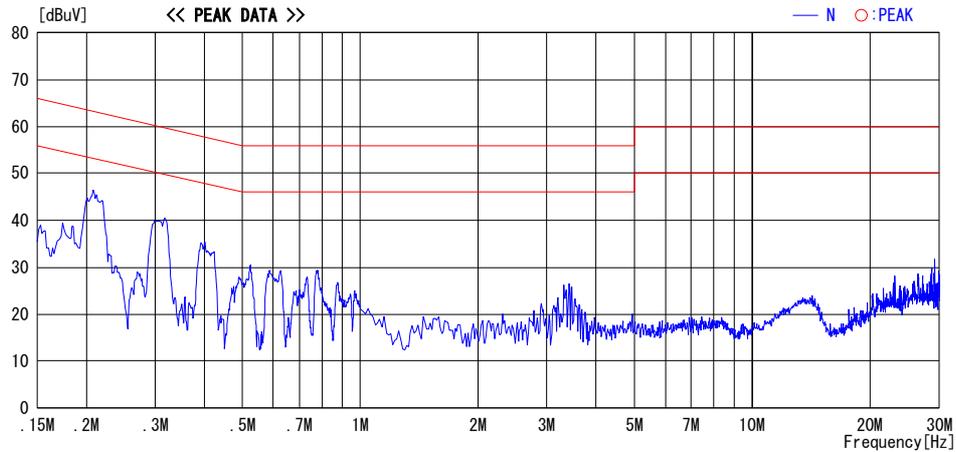


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F (L ISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

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Conducted Emission
Rx, Ch:Mid

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
 Date : 2008/01/26

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0117-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-2001	Temp./Humi.	: 25deg. C / 33%
Serial No.	: 03-TSP1220H-0000650-PSPXXXX	Operator	: Motoya Imura

Mode / Remarks : WLAN 11b, Rx 2437MHz

LIMIT : FCC15.207 QP
FCC15.207 AV

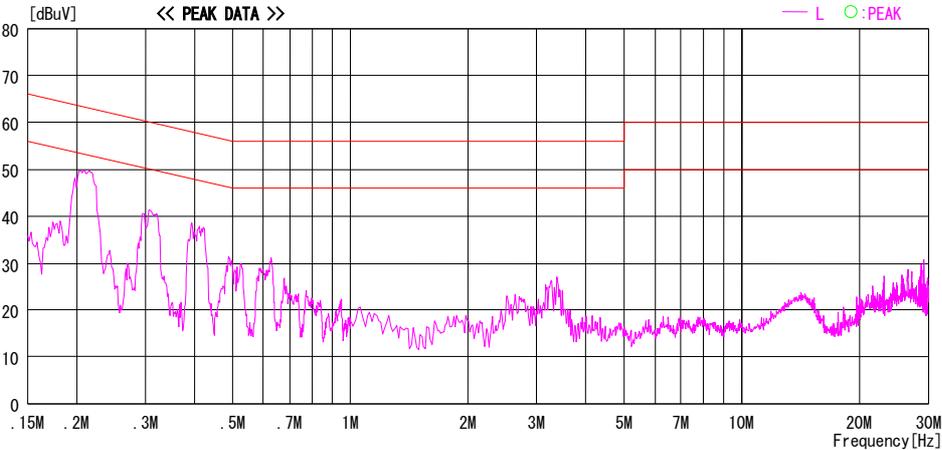
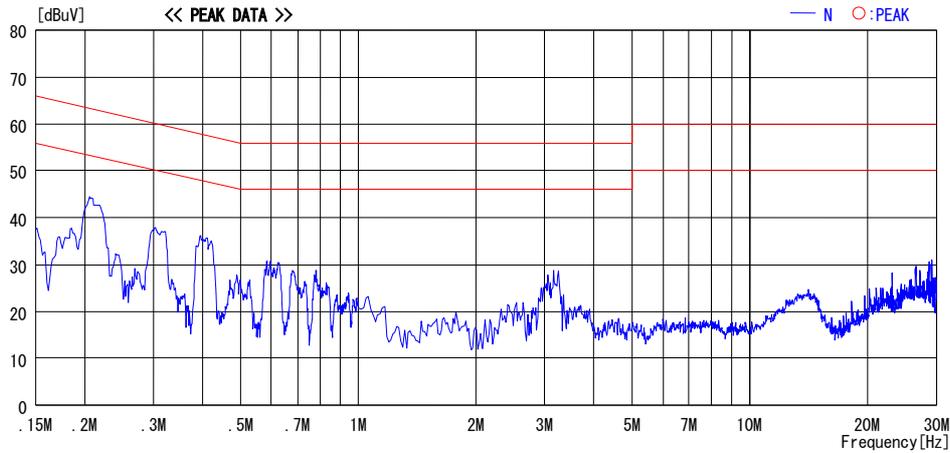


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F (L I S N LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

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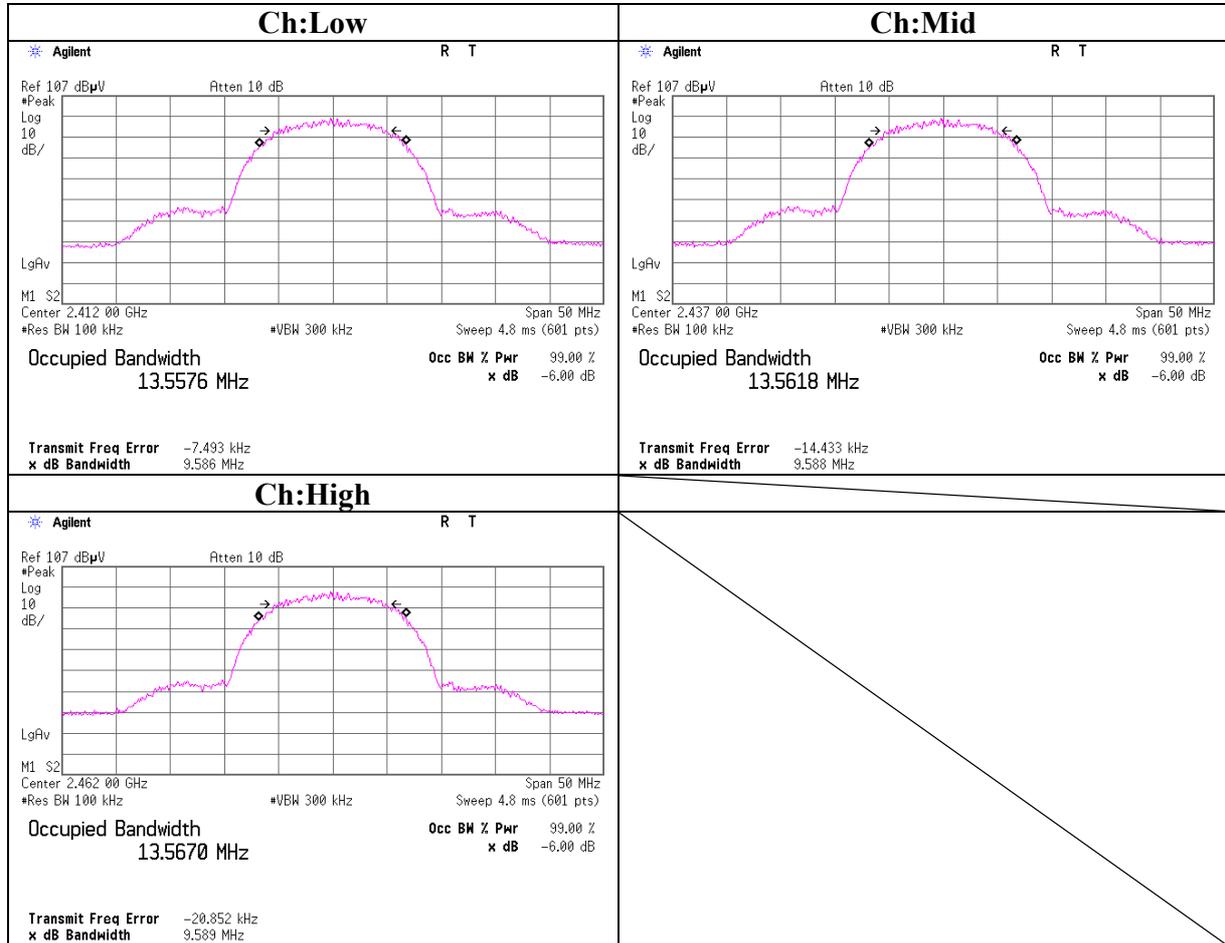
6dB Bandwidth

UL Japan, Inc.
Head Office EMC Lab. No.6 Measurement room

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0117-HO-01
Equipment	: PSP	Regulation	: FCC 15.247(a)(2) / RSS-210 A8.2(1)
Model	: PSP-2001	Test Distance	: -
S/N	: 03-TSP1220H-0000661-PSPXXXX	Date	: 01/23/2008
Power	: AC 120V / 60Hz	Temperature	: 23 deg.C.
Mode	: Tx (Ch L, M, H)	Humidity	: 34 %
		Engineer	: Takumi Shimada

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	9.586	>500
Mid	2437.0	9.588	>500
High	2462.0	9.589	>500

6dB Bandwidth



Maximum Peak Output Power

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room

Company	: Sony Computer Entertainment Inc.	REPORT NO	: 28FE0117-HO-01
Equipment	: PSP	REGULATION	: FCC15.247(b)(3)/RSS-210A8.4(4)
Model	: PSP-2001	TEST DISTANCE	: -
Sample No.	: 03-TSP1220H-0000661-PSPXXXX	DATE	: 01/23/2008
Power	: AC120V/60Hz	TEMPERATURE	: 23deg.C.
Mode	: Tx (Ch L, M, H)	HUMIDITY	: 34%
		ENGINEER	: Takumi Shimada

[IEEE802.11b]

Ch	Freq. [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	1.35	1.10	10.00	12.45	17.58	30.0	1000	17.55
Mid	2437.0	0.91	1.10	10.00	12.01	15.89	30.0	1000	17.99
High	2462.0	0.27	1.10	10.00	11.37	13.71	30.0	1000	18.63

Sample Calculation:

Result = Reading + Cable Loss (supplied by customer) + Attenuator

* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

*The test result is round off to one or two decimal places, so some differences might be observed.

*Compared to UL Japan, Test Report No. 27JE0092-HO-A for the original model, difference in Maximum Peak Output Power is within +/- 0.5dB.

Radiated Spurious Emission (below 1GHz)
Tx, Ch:Low

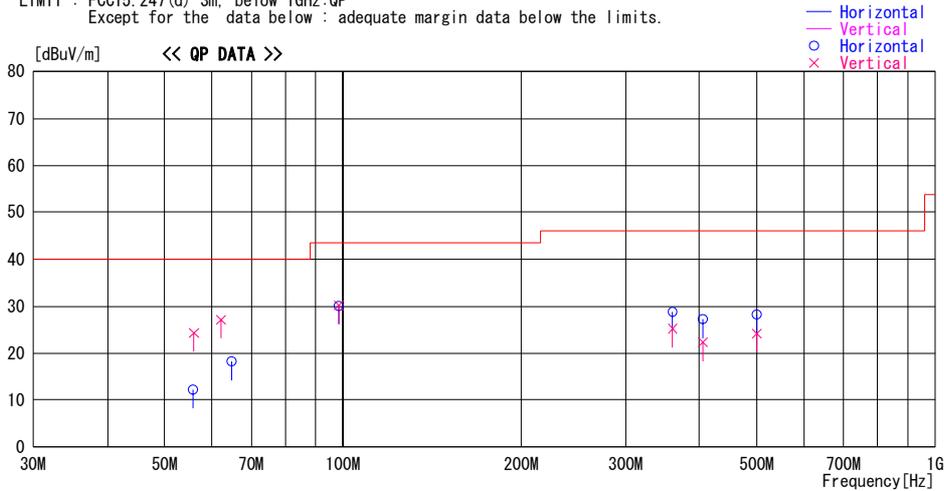
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/01/25

Company : Sony Computer Entertainment Inc. Report No. : 28FE0117-HO-01
Kind of EUT : PSP Power : AC120V / 60Hz
Model No. : PSP-2001 Temp./Humi. : 22deg. C. / 30%
Serial No. : 03-TSP1220H-0000650-PSPXXXX Operator : Takumi Shimada

Mode / Remarks : WLAN 11b, Tx 2412MHz, 11Mbps, Max-axis(Hor:X-axis, Ver:Z-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss &	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
55.883	25.0	QP	9.0	-21.7	12.3	327	300	Hor i.	40.0	27.7
56.024	37.1	QP	9.0	-21.7	24.4	232	100	Vert.	40.0	15.7
62.223	41.0	QP	7.8	-21.7	27.1	234	100	Vert.	40.0	12.9
64.799	32.5	QP	7.4	-21.6	18.3	284	385	Hor i.	40.0	21.7
98.452	41.6	QP	9.7	-21.2	30.1	227	300	Hor i.	43.5	13.4
98.453	41.7	QP	9.7	-21.2	30.2	199	100	Vert.	43.5	13.3
360.498	28.1	QP	16.3	-19.2	25.2	359	149	Vert.	46.0	20.8
360.485	31.7	QP	16.3	-19.2	28.8	64	100	Hor i.	46.0	17.2
405.550	29.1	QP	17.4	-19.3	27.2	73	100	Hor i.	46.0	18.8
405.568	24.2	QP	17.4	-19.3	22.3	30	142	Vert.	46.0	23.7
500.081	30.3	QP	17.4	-19.5	28.2	140	100	Hor i.	46.0	17.8
500.008	26.3	QP	17.4	-19.5	24.2	179	182	Vert.	46.0	21.8

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

*The limit is rounded down to one decimal place. *The test result is round off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)

Tx, Ch:Mid

DATA OF RADIATED EMISSION TEST

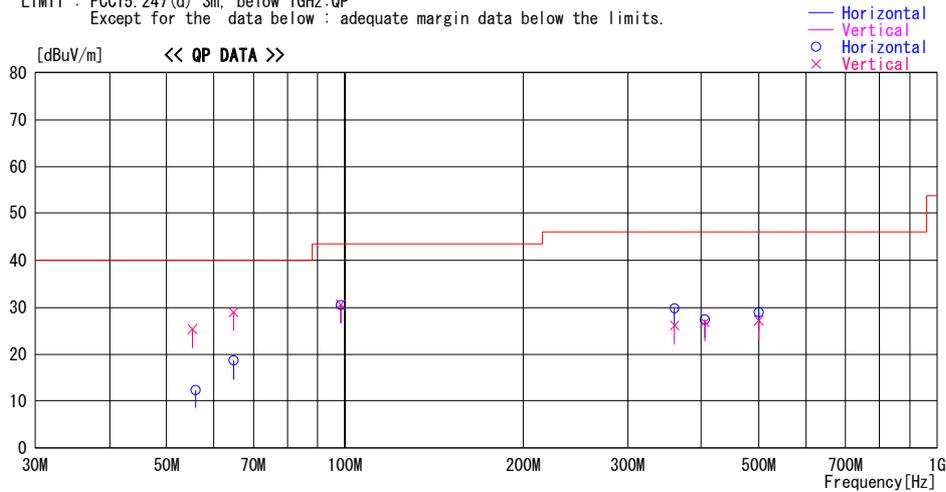
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Date : 2008/01/25

Company : Sony Computer Entertainment Inc. Report No. : 28FE0117-HO-01
Kind of EUT : PSP Power : AC120V / 60Hz
Model No. : PSP-2001 Temp./Humi. : 22deg. C. / 30%
Serial No. : 03-TSP1220H-0000650-PSPXXXX Operator : Takumi Shimada

Mode / Remarks : WLAN 11b, Tx 2437MHz, 11Mbps, Max-axis(Hor:X-axis, Ver:Z-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP

Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss &	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
55.293	38.0	QP	9.1	-21.7	25.4	138	100	Vert.	40.0	14.6
56.030	25.2	QP	9.0	-21.7	12.5	344	300	Hor i.	40.0	27.5
64.840	32.9	QP	7.4	-21.6	18.7	252	159	Hor i.	40.0	21.3
64.803	43.2	QP	7.4	-21.6	29.0	234	100	Ver t.	40.0	11.0
98.455	42.0	QP	9.7	-21.2	30.5	227	300	Hor i.	43.5	13.0
98.453	42.1	QP	9.7	-21.2	30.6	203	122	Ver t.	43.5	12.9
360.488	32.7	QP	16.3	-19.2	29.8	101	100	Hor i.	46.0	16.2
360.489	29.0	QP	16.3	-19.2	26.1	6	100	Ver t.	46.0	19.9
405.540	29.3	QP	17.4	-19.3	27.4	78	100	Hor i.	46.0	18.6
405.537	28.7	QP	17.4	-19.3	26.8	293	149	Ver t.	46.0	19.2
500.069	31.0	QP	17.4	-19.5	28.9	150	100	Hor i.	46.0	17.1
500.066	29.3	QP	17.4	-19.5	27.2	178	100	Ver t.	46.0	18.8

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

*The limit is rounded down to one decimal place. *The test result is round off to one or two decimal places, so some differences might be observed.

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Radiated Spurious Emission (below 1GHz)

Tx, Ch:High

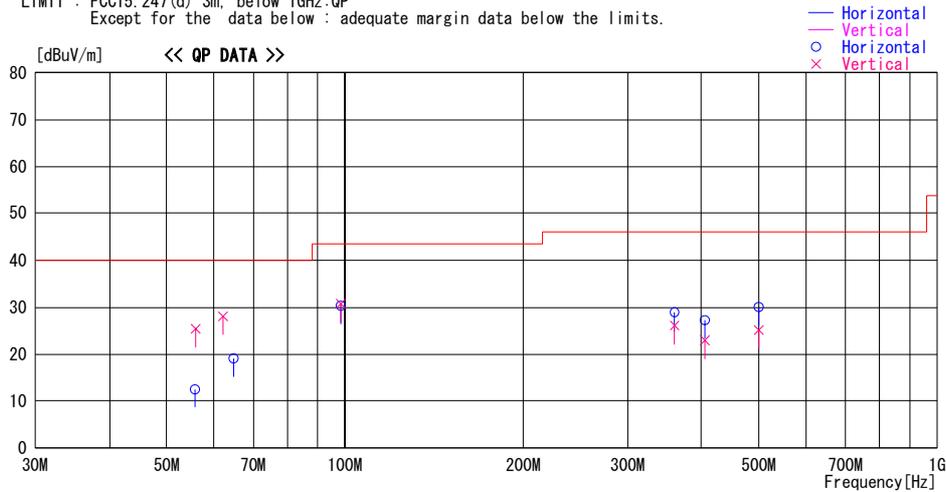
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/01/25

Company : Sony Computer Entertainment Inc. Report No. : 28FE0117-HO-01
Kind of EUT : PSP Power : AC120V / 60Hz
Model No. : PSP-2001 Temp./Humi. : 22deg. C. / 30%
Serial No. : 03-TSP1220H-0000650-PSPXXXX Operator : Takumi Shimada

Mode / Remarks : WLAN 11b, Tx 2462MHz, 11Mbps, Max-axis(Hor:X-axis, Ver:Z-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss &	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
55.891	25.3	QP	9.0	-21.7	12.6	331	300	Hor i.	40.0	27.4
56.020	38.2	QP	9.0	-21.7	25.5	249	100	Ver t.	40.0	14.5
64.788	33.4	QP	7.4	-21.6	19.2	290	355	Hor i.	40.0	20.8
62.240	42.0	QP	7.8	-21.7	28.1	243	112	Ver t.	40.0	11.9
98.450	41.9	QP	9.7	-21.2	30.4	229	300	Hor i.	43.5	13.1
98.400	42.3	QP	9.7	-21.2	30.8	195	100	Ver t.	43.5	12.7
360.498	31.8	QP	16.3	-19.2	28.9	72	112	Hor i.	46.0	17.1
360.498	29.0	QP	16.3	-19.2	26.1	355	154	Ver t.	46.0	19.9
405.549	29.2	QP	17.4	-19.3	27.3	88	100	Hor i.	46.0	18.7
405.540	24.9	QP	17.4	-19.3	23.0	21	144	Ver t.	46.0	23.0
500.009	27.3	QP	17.4	-19.5	25.2	180	192	Ver t.	46.0	20.8
500.020	32.2	QP	17.4	-19.5	30.1	143	103	Hor i.	46.0	15.9

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

*The limit is rounded down to one decimal place. *The test result is round off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
Rx, Ch:Mid

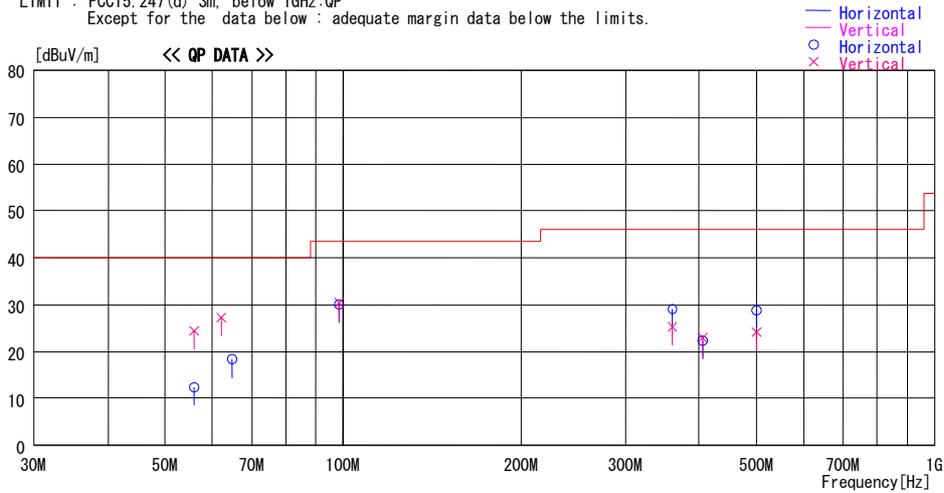
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/01/25

Company : Sony Computer Entertainment Inc. Report No. : 28FE0117-HO-01
Kind of EUT : PSP Power : AC120V / 60Hz
Model No. : PSP-2001 Temp./Humi. : 22deg. C. / 30%
Serial No. : 03-TSP1220H-0000650-PSPXXXX Operator : Takumi Shimada

Mode / Remarks : WLAN 11b, Rx 2437MHz, Max-axis(Hor:X-axis, Ver:Z-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss & Gain [dB]						
56.034	25.2	QP	9.0	-21.7	12.5	349	300	Hori.	40.0	27.5
56.002	37.2	QP	9.0	-21.7	24.5	290	100	Vert.	40.0	15.5
64.802	32.6	QP	7.4	-21.6	18.4	258	300	Hori.	40.0	21.6
62.232	41.2	QP	7.8	-21.7	27.3	226	100	Vert.	40.0	12.7
98.459	41.6	QP	9.7	-21.2	30.1	226	300	Hori.	43.5	13.4
98.450	41.9	QP	9.7	-21.2	30.4	195	100	Vert.	43.5	13.1
360.490	32.0	QP	16.3	-19.2	29.1	79	100	Hori.	46.0	16.9
360.498	28.2	QP	16.3	-19.2	25.3	4	100	Vert.	46.0	20.7
405.551	24.3	QP	17.4	-19.3	22.4	77	100	Hori.	46.0	23.6
405.549	24.9	QP	17.4	-19.3	23.0	317	100	Vert.	46.0	23.0
500.076	30.9	QP	17.4	-19.5	28.8	283	100	Hori.	46.0	17.2
500.012	26.3	QP	17.4	-19.5	24.2	164	100	Vert.	46.0	21.8

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

*The limit is rounded down to one decimal place. *The test result is round off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz)
Tx, Ch:Low

UL Japan, Inc.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0117-HO-01
Equipment	: PSP	Regulation	: FCC 15.247(d) / RSS-210 A8.5
Model	: PSP-2001	Test Distance	: 3m / 1m
S/N	: 03-TSP1220H-0000650-PSPXXXX	Date	: 01/25/2008
Power	: AC 120V / 60Hz	Temperature	: 22 deg.C.
Mode	: WLAN 11b, Tx 2412MHz	Humidity	: 30 %
EUT-Axis	: Hor X-axis / Ver Z-axis	Engineer	: Takumi Shimada

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.0	47.1	44.5	27.1	32.5	3.8	0.0	45.5	42.9	73.9	28.4	31.0
2	2400.0	54.6	50.8	27.1	32.5	3.8	0.0	53.0	49.2	73.9	20.9	24.7
3	4824.0	43.2	43.2	31.3	31.4	5.5	0.7	49.3	49.3	73.9	24.6	24.6
4	7236.0	42.3	42.4	35.8	31.0	6.2	0.6	53.9	54.0	73.9	20.0	19.9
5	9648.0	43.2	43.6	38.6	31.4	7.3	0.9	58.6	59.0	73.9	15.3	14.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12060.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
7	14472.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
8	16884.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
9	19296.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
10	21708.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
11	24120.0	45.4	44.9	40.7	30.0	11.0	0.0	57.6	57.1	73.9	16.3	16.8

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.0	33.8	30.6	27.1	32.5	3.8	0.0	32.2	29.0	53.9	21.7	24.9
2	2400.0	43.4	38.1	27.1	32.5	3.8	0.0	41.8	36.5	53.9	12.1	17.4
3	4824.0	29.1	29.2	31.3	31.4	5.5	0.7	35.2	35.3	53.9	18.7	18.6
4	7236.0	29.6	29.5	35.8	31.0	6.2	0.6	41.2	41.1	53.9	12.7	12.8
5	9648.0	30.2	30.1	38.6	31.4	7.3	0.9	45.6	45.5	53.9	8.3	8.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12060.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
7	14472.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
8	16884.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
9	19296.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
10	21708.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
11	24120.0	32.1	32.0	40.7	30.0	11.0	0.0	44.3	44.2	53.9	9.6	9.7

* Reference data

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 is rounded down to one decimal place. *The test result is round off to one or two decimal places, so some differences might l

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission
Tx, Ch:Mid

UL Japan, Inc.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0117-HO-01
Equipment	: PSP	Regulation	: FCC 15.247(d) / RSS-210 A8.5
Model	: PSP-2001	Test Distance	: 3m / 1m
S/N	: 03-TSP1220H-0000650-PSPXXXX	Date	: 01/25/2008
Power	: AC 120V / 60Hz	Temperature	: 22 deg.C.
Mode	: WLAN 11b, Tx 2437MHz	Humidity	: 30 %
EUT-Axis	: Hor X-axis / Ver Z-axis	Engineer	: Takumi Shimada

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.0	42.4	45.9	31.4	31.4	5.5	0.7	48.6	52.1	73.9	25.3	21.8
2	7311.0	43.6	42.4	35.9	31.0	6.4	0.6	55.5	54.3	73.9	18.4	19.6
3	9748.0	43.1	42.9	38.7	31.4	7.4	0.9	58.7	58.5	73.9	15.2	15.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
5	14622.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
6	17059.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
7	19496.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
8	21933.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
9	24370.0	45.3	45.3	40.7	30.0	11.1	0.0	57.6	57.6	73.9	16.3	16.3

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.0	30.3	31.2	31.4	31.4	5.5	0.7	36.5	37.4	53.9	17.4	16.5
2	7311.0	29.6	29.9	35.9	31.0	6.4	0.6	41.5	41.8	53.9	12.4	12.1
3	9748.0	30.5	29.9	38.7	31.4	7.4	0.9	46.1	45.5	53.9	7.8	8.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
5	14622.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
6	17059.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
7	19496.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
8	21933.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
9	24370.0	33.1	33.1	40.7	30.0	11.1	0.0	45.4	45.4	53.9	8.5	8.5

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

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

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

*The limit is rounded down to one decimal place. *The test result is round off to one or two decimal places, so some differences might l

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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

Radiated Spurious Emission

Tx, Ch:High

UL Japan, Inc.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Computer Entertainment Inc.
Equipment : PSP
Model : PSP-2001
S/N : 03-TSP1220H-0000650-PSPXXXX
Power : AC 120V / 60Hz
Mode : WLAN 11b, Tx 2462MHz
EUT-Axis : Hor X-axis / Ver Z-axis

Report No. : 28FE0117-HO-01
Regulation : FCC 15.247(d) / RSS-210 A8.5
Test Distance : 3m / 1m
Date : 01/25/2008
Temperature : 22 deg.C.
Humidity : 30 %
Engineer : Takumi Shimada

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.5	48.9	47.1	27.2	32.5	3.9	0.0	47.5	45.7	73.9	26.4	28.2
2	4924.0	47.5	51.2	31.5	31.4	5.5	0.7	53.8	57.5	73.9	20.1	16.4
3	7386.0	43.7	43.3	36.1	31.0	6.4	0.6	55.8	55.4	73.9	18.1	18.5
4	9848.0	43.2	43.6	38.8	31.4	7.4	0.9	58.9	59.3	73.9	15.0	14.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
6	14772.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
7	17234.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
8	19696.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
9	22158.0	Not Found	Not Found	-	-	-	-	-	-	73.9	-	-
10	24620.0	44.6	44.3	40.8	30.1	11.3	0.0	57.1	56.8	73.9	16.8	17.1

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-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 + Filter Loss												
1	2483.5	32.6	33.6	27.2	32.5	3.9	0.0	31.2	32.2	53.9	22.7	21.7
2	4924.0	31.9	35.5	31.5	31.4	5.5	0.7	38.2	41.8	53.9	15.7	12.1
3	7386.0	31.2	30.7	36.1	31.0	6.4	0.6	43.3	42.8	53.9	10.6	11.1
4	9848.0	29.9	30.5	38.8	31.4	7.4	0.9	45.6	46.2	53.9	8.3	7.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
6	14772.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
7	17234.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
8	19696.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
9	22158.0	Not Found	Not Found	-	-	-	-	-	-	53.9	-	-
10	24620.0	31.3	31.4	40.8	30.1	11.3	0.0	43.8	43.9	53.9	10.1	10.0

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 is rounded down to one decimal place. *The test result is round off to one or two decimal places, so some differences might l

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

Radiated Spurious Emission
Rx, Ch:Mid

UL Japan, Inc.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0117-HO-01
Equipment	: PSP	Regulation	: FCC 15.247(d) / RSS-210 A8.5
Model	: PSP-2001	Test Distance	: 3m
S/N	: 03-TSP1220H-0000650-PSPXXXX	Date	: 01/25/2008
Power	: AC 120V / 60Hz	Temperature	: 22 deg.C.
Mode	: WLAN 11b, Rx 2437MHz	Humidity	: 30 %
EUT-Axis	: Hor X-axis / Ver Z-axis	Engineer	: Takumi Shimada

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

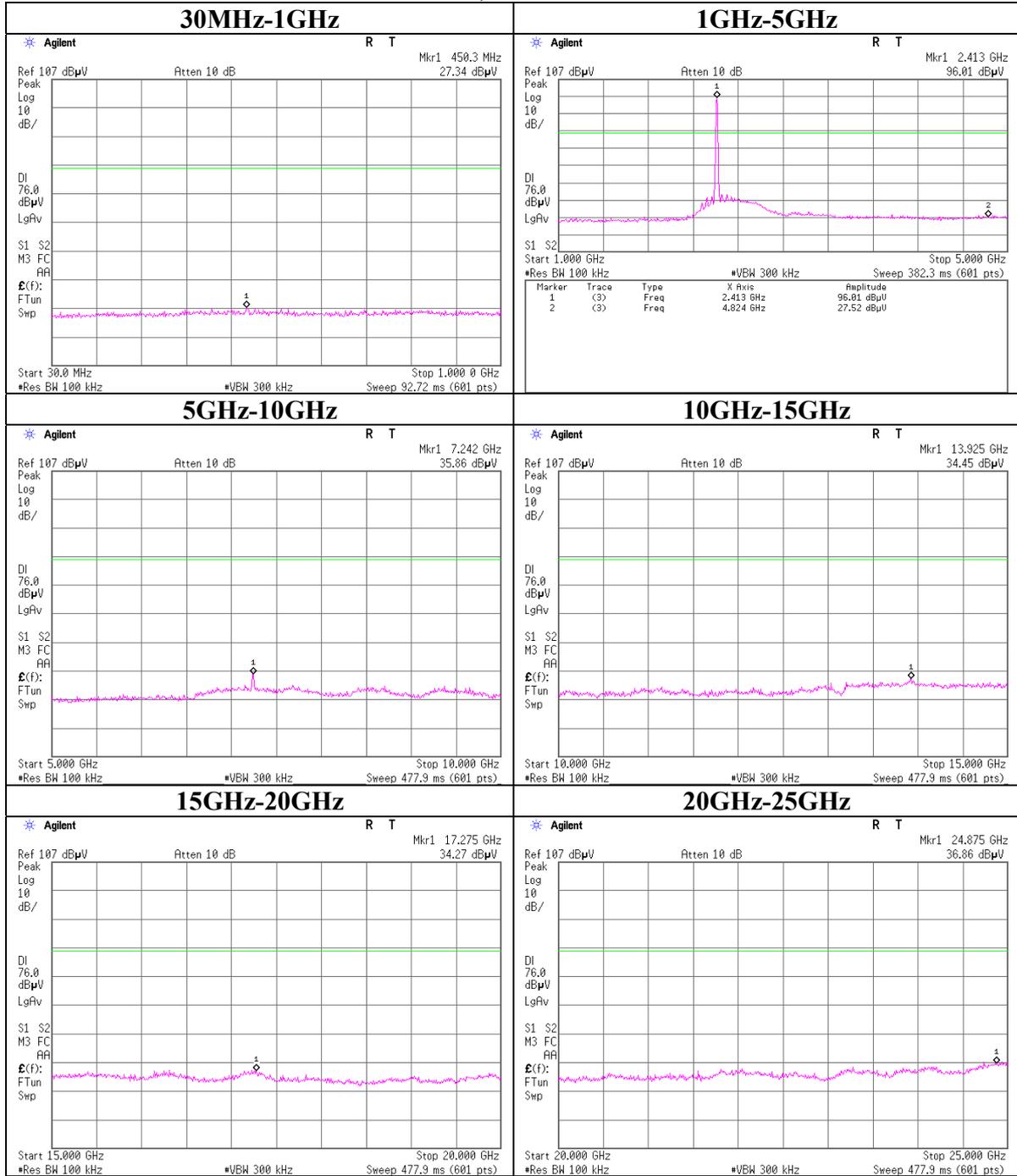
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2437.0	43.8	43.8	27.2	32.5	3.9	0.0	42.4	42.4	73.9	31.5	31.5
2	4874.0	42.4	42.2	31.4	31.4	5.0	0.0	47.4	47.2	73.9	26.5	26.7
3	7311.0	42.8	42.8	35.9	31.0	5.8	0.0	53.5	53.5	73.9	20.4	20.4
4	9748.0	42.9	43.5	38.7	31.4	6.8	0.0	57.0	57.6	73.9	16.9	16.3

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

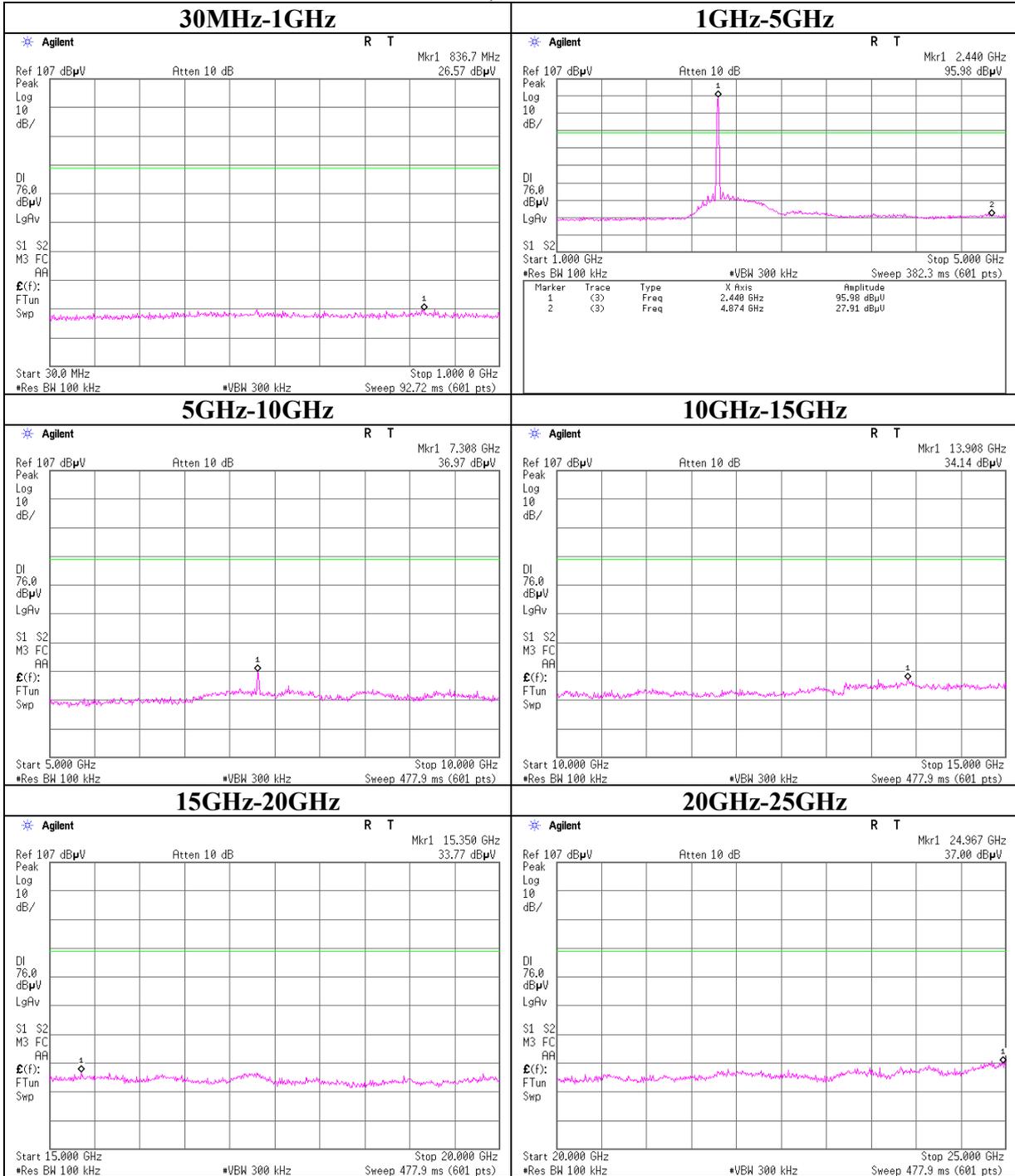
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2437.0	30.1	30.1	27.2	32.5	3.9	0.0	28.7	28.7	53.9	25.2	25.2
2	4874.0	28.8	28.8	31.4	31.4	5.0	0.0	33.8	33.8	53.9	20.1	20.1
3	7311.0	29.5	29.5	35.9	31.0	5.8	0.0	40.2	40.2	53.9	13.7	13.7
4	9748.0	30.1	30.9	38.7	31.4	6.8	0.0	44.2	45.0	53.9	9.7	8.9

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The limit is rounded down to one decimal place. *The test result is round off to one or two decimal places, so some differences might be observed.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.

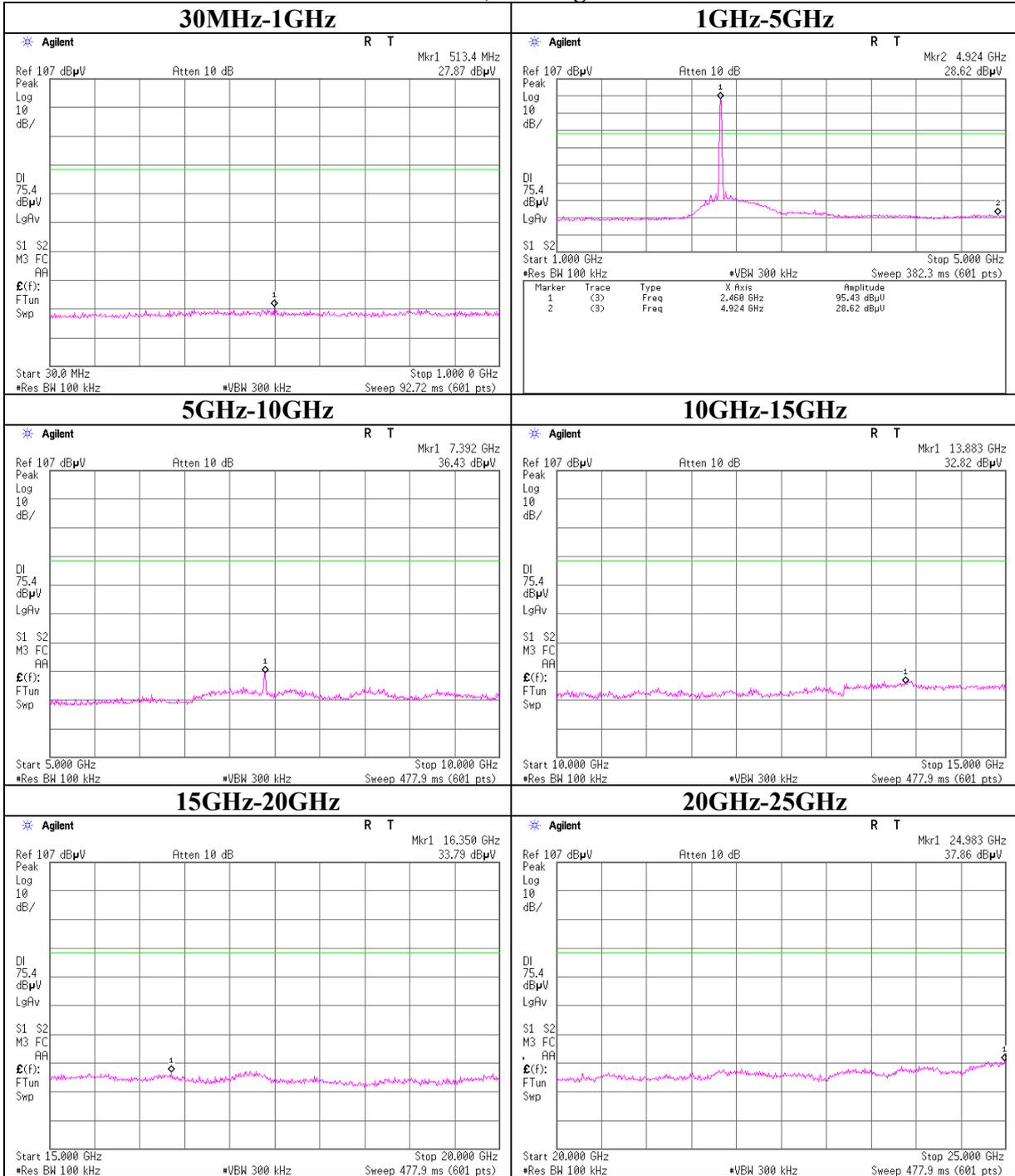
Conducted Spurious Emission
Tx, Ch: Low



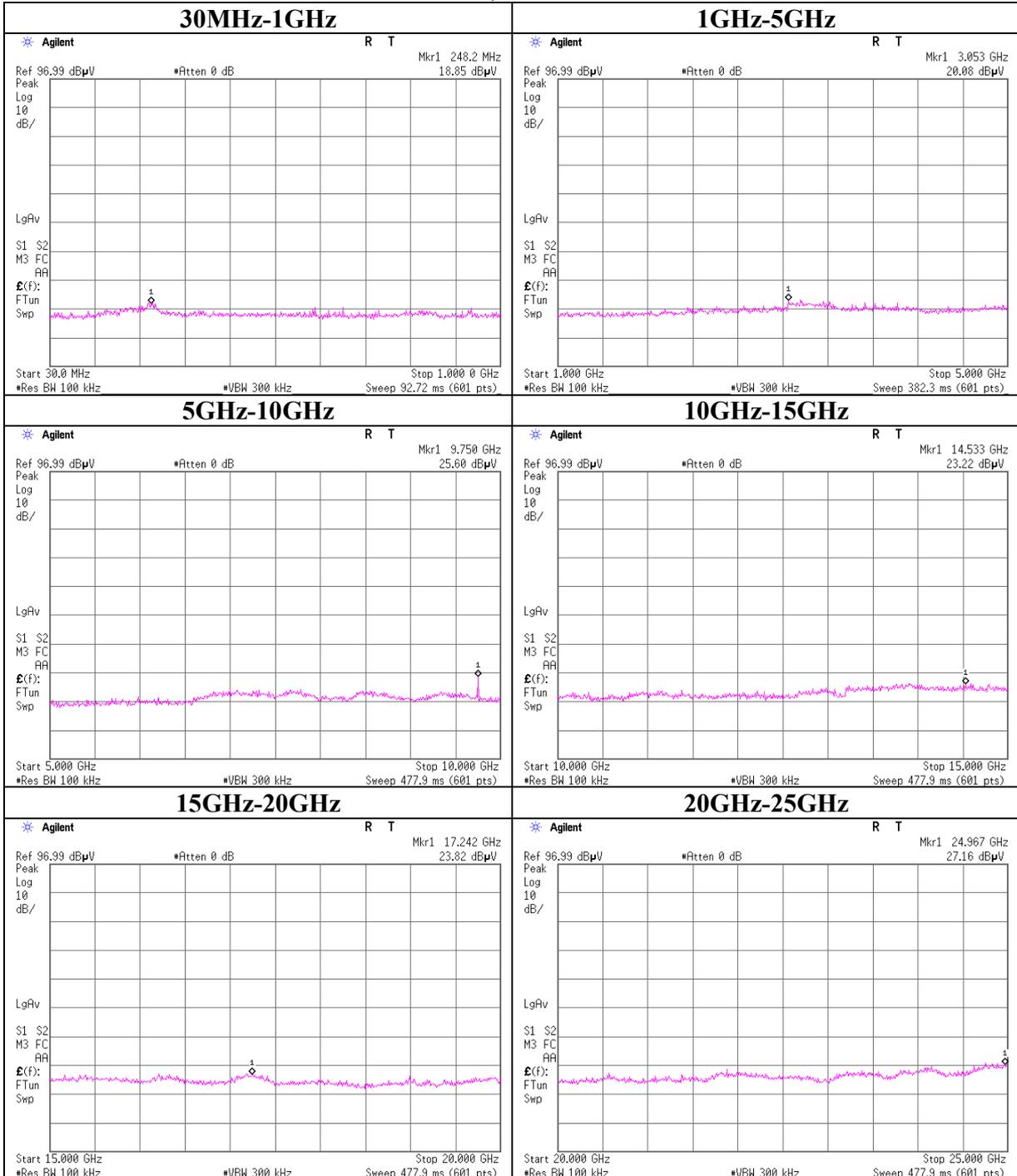
Conducted Spurious Emission
Tx, Ch: Mid



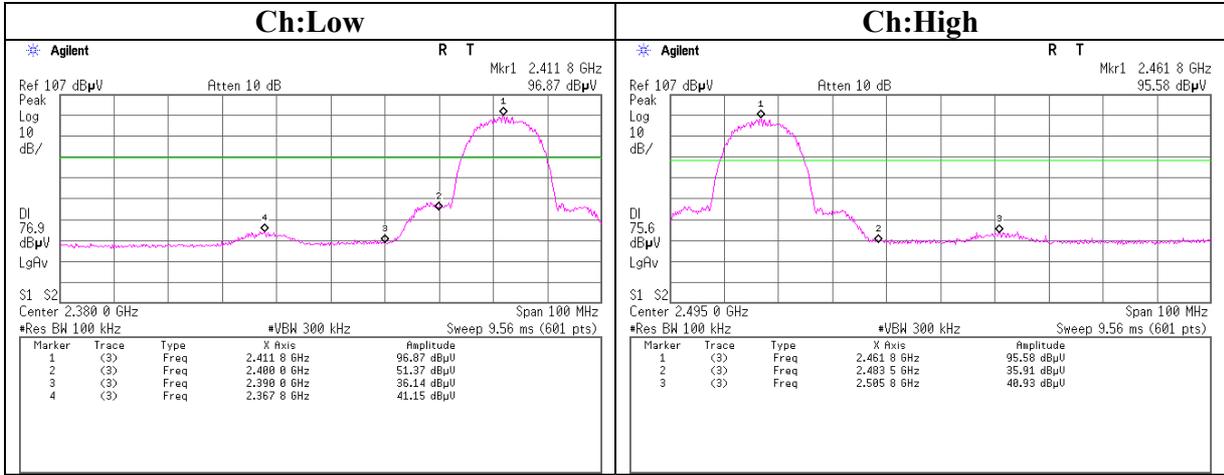
Conducted Spurious Emission
Tx, Ch: High



Conducted Spurious Emission
Rx, Ch: Mid



Conducted emission Band Edge compliance



Power Density

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room

Company : Sony Computer Entertainment Inc. REPORT NO : 28FE0117-HO-01
Equipment : PSP REGULATION : FCC15.247(e)/RSS-210A8.2(2)
Model : PSP-2001 TEST DISTANCE : -
Sample No. : 03-TSP1220H-0000661-PSPXXXX DATE : 01/23/2008
Power : AC120V/60Hz TEMPERATURE : 23deg.C.
Mode : Tx (Ch L, M, H) HUMIDITY : 34%
ENGINEER : Takumi Shimada

[IEEE802.11b]

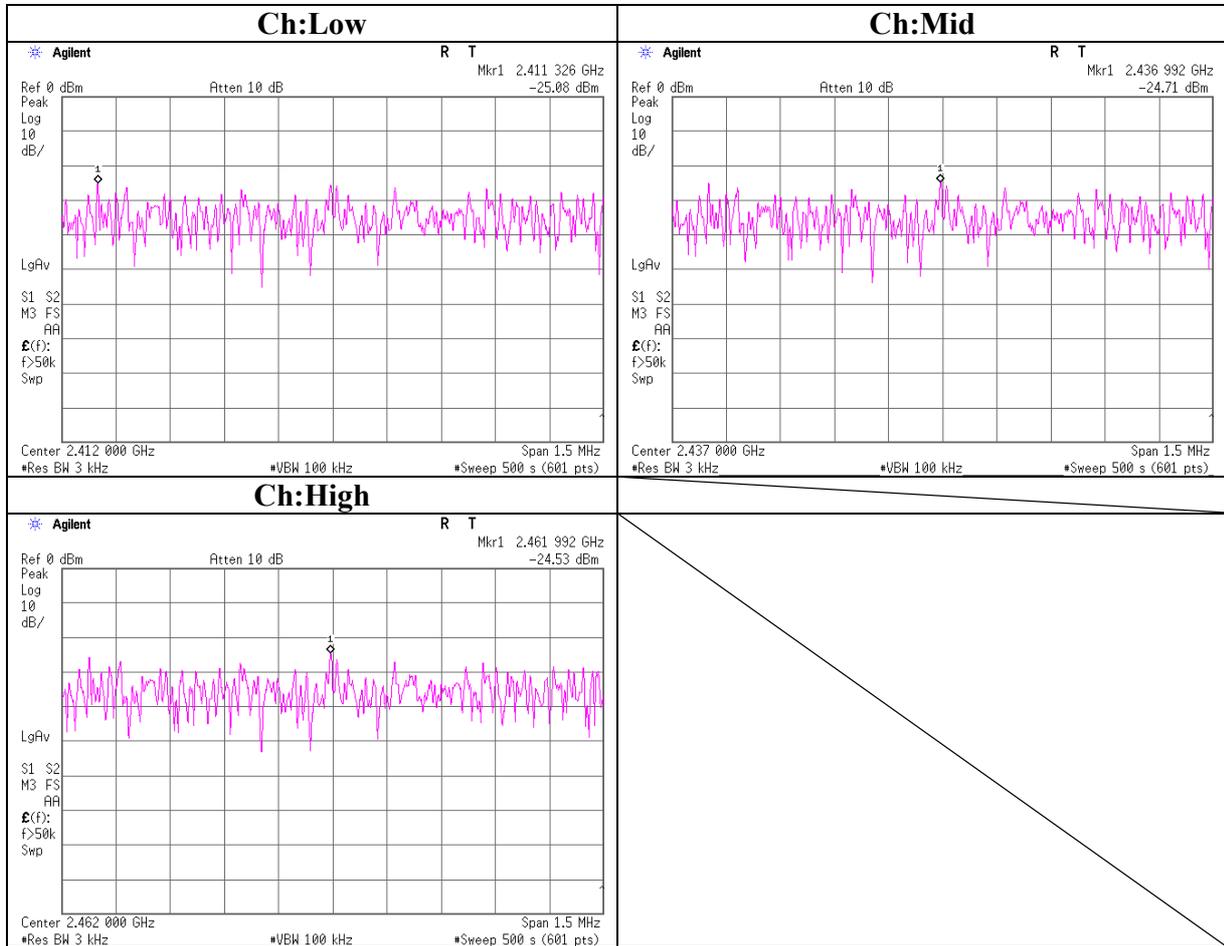
Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-25.08	1.1	10.1	-13.9	8.0	21.9
Mid	2437.0	-24.71	1.1	10.1	-13.5	8.0	21.5
High	2462.0	-24.53	1.1	10.1	-13.4	8.0	21.4

Sample Calculation:

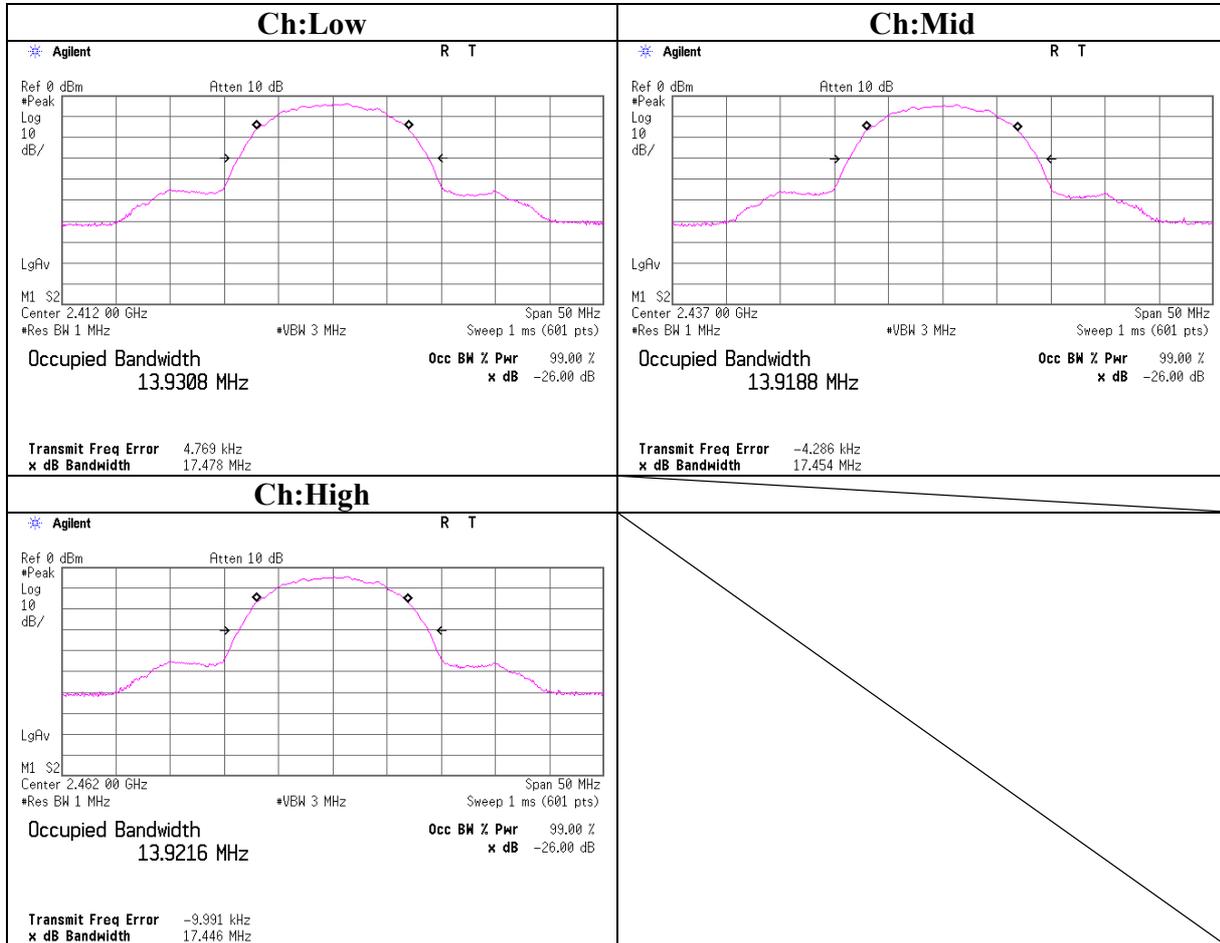
Result = Reading + Cable Loss (splied by customer) + Attenuator

*The test result is round off to one or two decimal places, so some differences might be observed.

Power Density



99% Occupied Bandwidth



APPENDIX 3:Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAT-25	Attenuator(10dB) (above1GHz)	Agilent	8493C	AT	2007/06/28 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2007/09/22 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2007/09/22 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2007/09/05 * 12
MOS-14	Thermo- Hygrometer	Custom	CTH-180	AT	2008/01/10 * 12
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE / CE	2007/04/02 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/10/21 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/10/21 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2007/11/13 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2007/02/27 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	RE / CE	2007/06/20 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	RE / CE	2007/03/01 * 12
MCC-13	Coaxial Cable	Fujikura/Agilent	-	CE	2007/02/27 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2007/02/22 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (AE)	2007/02/22 * 12
MTA-07	Terminator	MCL	BTRM-50	CE	2007/02/01 * 12
MJM-05	Measure	PROMART	SEN1955	RE / CE	-
MOS-02	Digital Humidity Indicator	N.T	NT-1800	RE / CE	2007/11/12 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE / CE	-

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: RE: Radiated Emission
AT: Antenna Terminal Conducted test
CE: Conducted Emission

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124