APPENDIX 2: Data of EMI test

Conducted Emission
Tx, Ch: Low

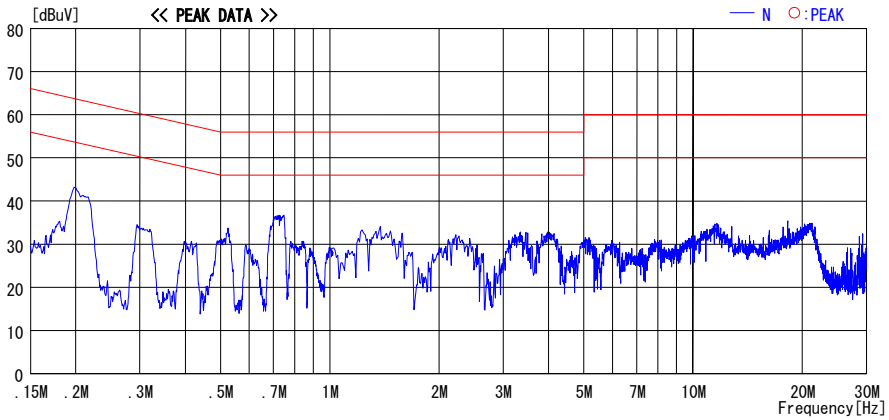
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/05/09

Company	: Sony Computer Entertainment Inc.	Report No.	: 29IE0204-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-3001	Temp./Humi.	: 20deg.C. / 62%
Serial No.	: 03-TSP1500H-0000031-PSPXXXX	Engineer	: Takumi Shimada

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

LIMIT : FCC15.207 QP
FCC15.207 AV



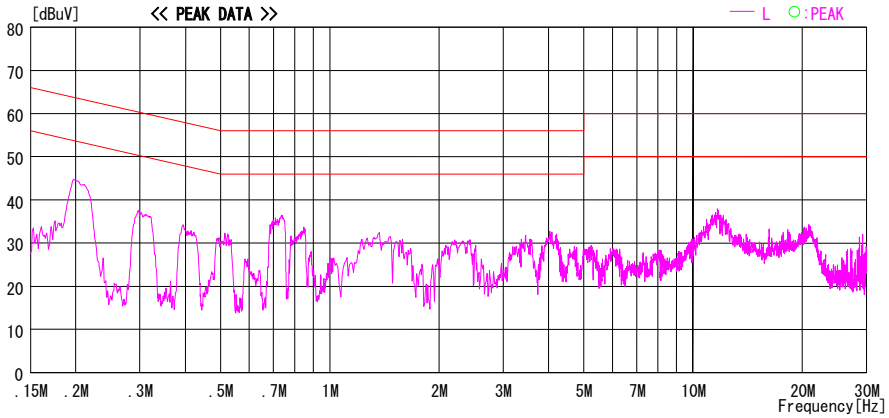


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB](LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission
Tx, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

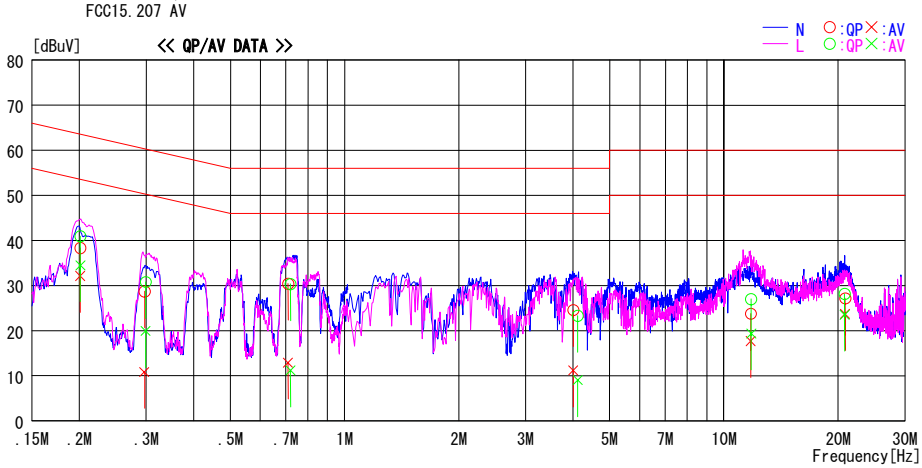
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/05/09

Company : Sony Computer Entertainment Inc.
Kind of EUT : PSP
Model No. : PSP-3001
Serial No. : 03-TSP1500H-0000031-PSPXXXX

Report No. : 29IE0204-HO-01
Power : AC 120V / 60Hz
Temp./Humi. : 20deg.C. / 62%
Engineer : Takumi Shimada

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

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency	Reading Level		Corr.	Results		Limit		Margin		Phase	Comment
	QP	AV	Factor	QP	AV	QP	AV	QP	AV		
[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]		
0.20105	38.0	31.8	0.3	38.3	32.1	63.6	53.6	25.3	21.5	N	
0.29715	28.4	10.5	0.3	28.7	10.8	60.3	50.3	31.6	39.5	N	
0.71020	30.1	12.6	0.3	30.4	12.9	56.0	46.0	25.6	33.1	N	
4.00803	24.0	10.6	0.6	24.6	11.2	56.0	46.0	31.4	34.8	N	
11.76454	22.7	16.6	1.1	23.8	17.7	60.0	50.0	36.2	32.3	N	
20.88341	25.5	22.0	1.7	27.2	23.7	60.0	50.0	32.8	26.3	N	
0.20122	40.6	34.2	0.3	40.9	34.5	63.6	53.6	22.7	19.1	L	
0.29912	30.5	19.6	0.3	30.8	19.9	60.3	50.3	29.5	30.4	L	
0.72060	30.0	10.9	0.3	30.3	11.2	56.0	46.0	25.7	34.8	L	
4.12039	22.7	8.4	0.6	23.3	9.0	56.0	46.0	32.7	37.0	L	
11.79948	25.9	18.3	1.1	27.0	19.4	60.0	50.0	33.0	30.6	L	
20.81050	26.5	21.9	1.6	28.1	23.5	60.0	50.0	31.9	26.5	L	

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

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

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Conducted Emission
Tx, Ch: High

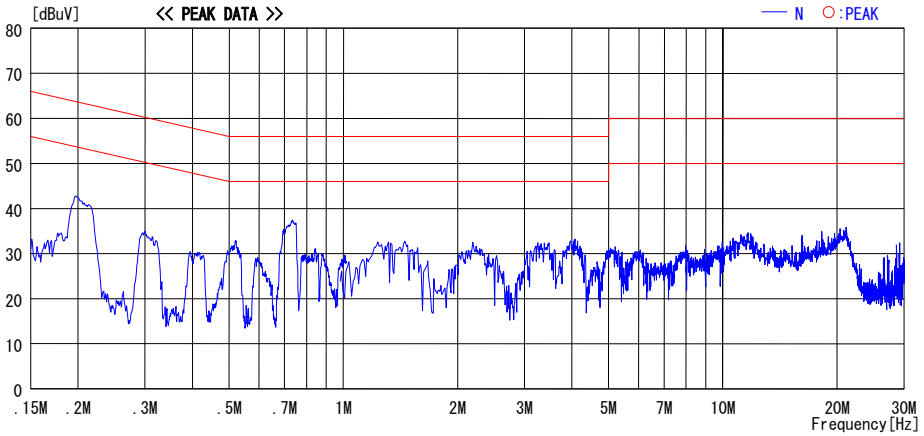
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/05/09

Company	: Sony Computer Entertainment Inc.	Report No.	: 29IE0204-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-3001	Temp./Humi.	: 20deg.C. / 62%
Serial No.	: 03-TSP1500H-0000031-PSPXXXX	Engineer	: Takumi Shimada

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

LIMIT : FCC15.207 QP
FCC15.207 AV



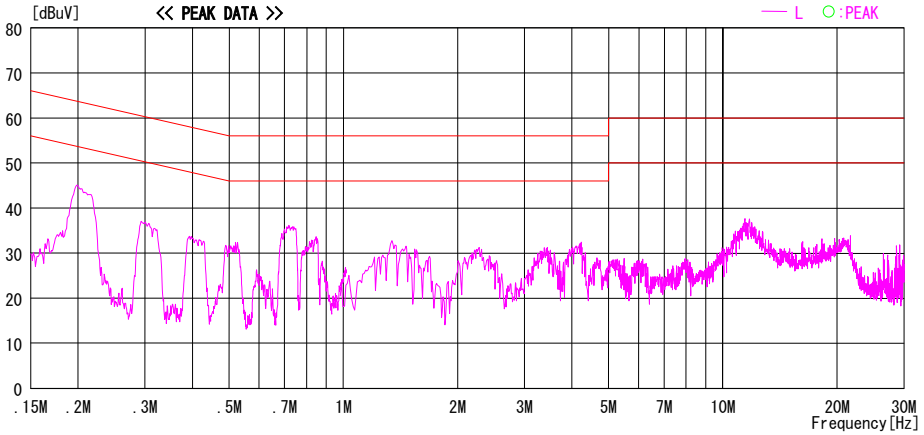


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB](LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission
Rx, Ch: Mid

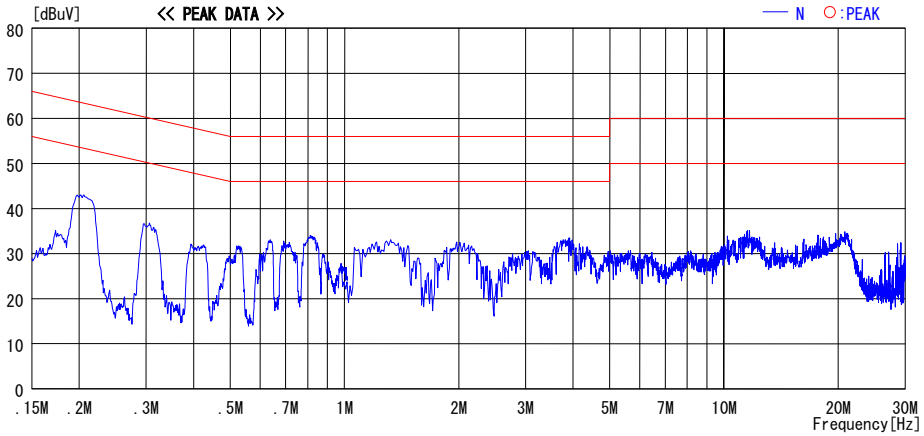
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/05/09

Company	: Sony Computer Entertainment Inc.	Report No.	: 29IE0204-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-3001	Temp./Humi.	: 20deg.C. / 62%
Serial No.	: 03-TSP1500H-0000031-PSPXXXX	Engineer	: Takumi Shimada

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

LIMIT : FCC15.207 QP
FCC15.207 AV



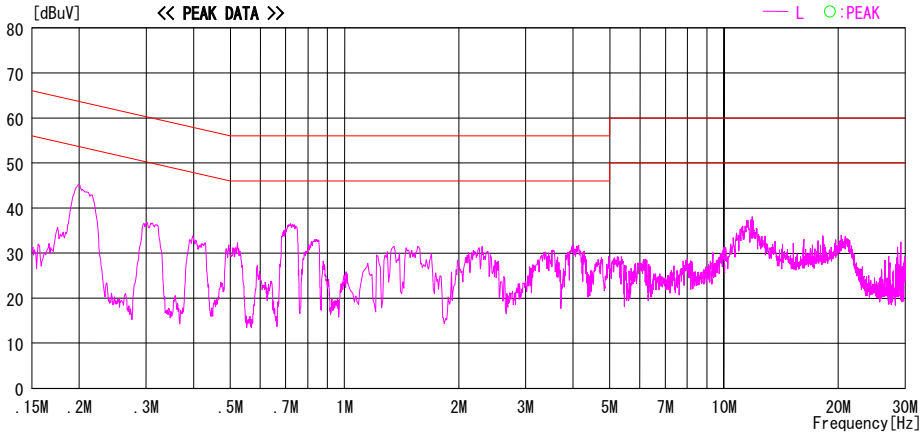


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB](LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

6dB Bandwidth

UL Japan, Inc
Head Office EMC Lab. No.11 Measurement room

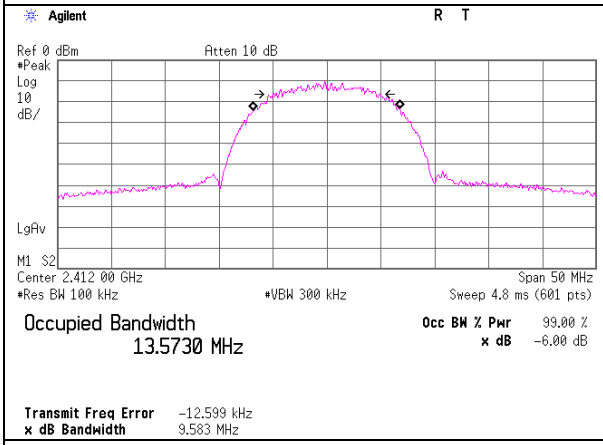
Company	Sony Computer Entertainment Inc.	Regulation	FCC15.247(a)(2)/RSS-210A8.2(a)
Equipment	PSP	Test Distance	-
Model	PSP-3001	Date	05/12/2009
S/N	03-TSP1500H-0000106-PSPXXXX	Temperature	24 deg.C.
Power	AC 120V / 60Hz	Humidity	49 %
Mode	11b, Tx (Ch L, M, H),11Mbps(Worst)	Engineer	Hisayoshi Sato

[IEEE 802.11b]

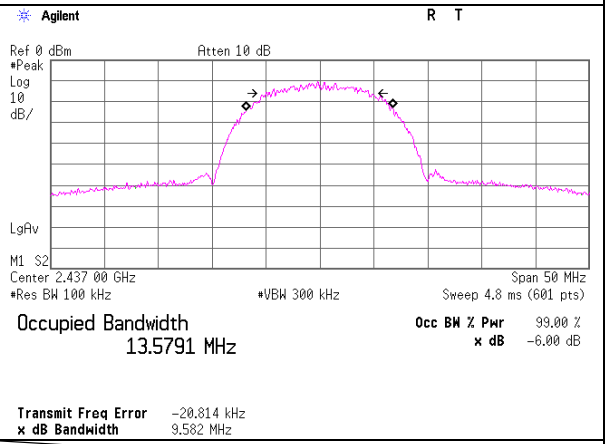
Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	9.583	>500
Mid	2437.0	9.582	>500
High	2462.0	9.585	>500

6dB Bandwidth

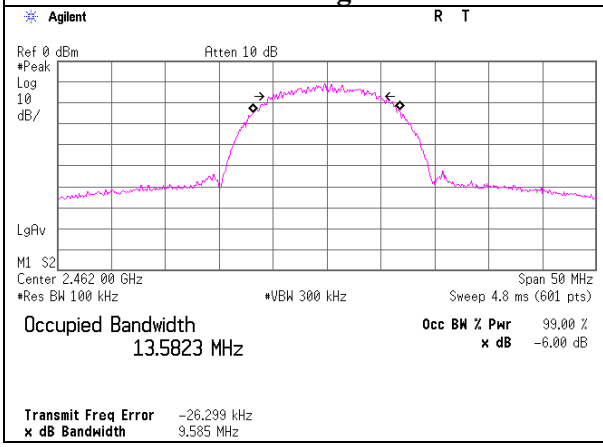
Ch: Low



Ch: Mid



Ch: High



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Maximum Peak Output Power

UL Japan, Inc
Head Office EMC Lab. No.11 Measurement room

Company	Sony Computer Entertainment Inc.	Regulation	FCC15.247 (b)(3) / RSS-210 A8.4(4)
Equipment	PSP	Test Distance	-
Model	PSP-3001	Date	05/12/2009
S/N	03-TSP1500H-0000106-PSPXXXX	Temperature	24 deg.C.
Power	AC 120V / 60Hz	Humidity	49 %
Mode	11b, Tx (Ch L, M, H),	Engineer	Hisayoshi Sato

[IEEE 802.11b]

Ch	Freq.	P/M (PK) Reading	Cable Loss	Atten.	Result		Limit		Margin
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
Low	2412.0	0.95	1.10	10.02	12.07	16.11	30.0	1000	17.93
Mid	2437.0	1.61	1.10	10.02	12.73	18.75	30.0	1000	17.27
High	2462.0	1.00	1.10	10.02	12.12	16.29	30.0	1000	17.88

Sample Calculation:
Result = Reading + Cable Loss (Including customer's cable loss)+ Attenuator

Rate Pre check

Freq	Rate	P/M (PK) Reading	Cable Loss	Atten.	Result		Limit		Margin
[MHz]	[Mbps]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
2437	1.0	1.46	1.10	10.02	12.58	18.11	30.0	1000	17.42
2437	2.0	1.51	1.10	10.02	12.63	18.32	30.0	1000	17.37
2437	5.5	1.06	1.10	10.02	12.18	16.52	30.0	1000	17.82
2437	11.0	1.61	1.10	10.02	12.73	18.75	30.0	1000	17.27

Sample Calculation:
Result = Reading + Cable Loss (Including customer's cable loss)+ Attenuator

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

DATA OF RADIATED EMISSION TEST

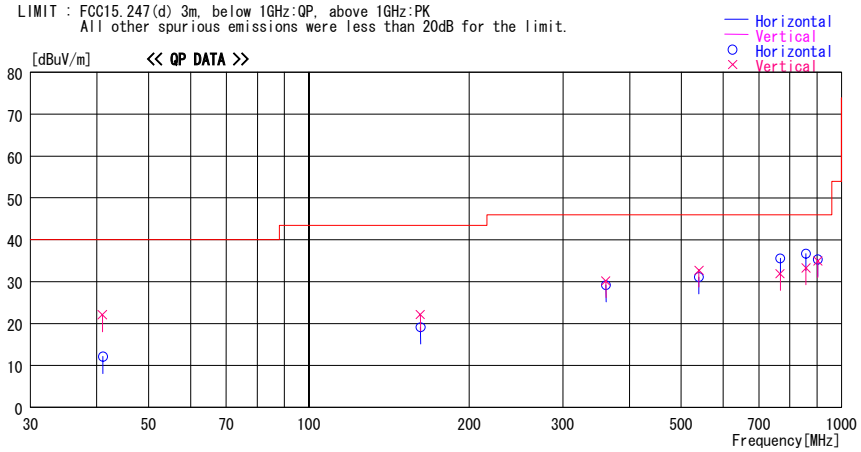
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/05/08

Company : Sony Computer Entertainment Inc.
Kind of EUT : PSP
Model No. : PSP-3001
Serial No. : 03-TSP1500H-0000031-PSPXXXX

Report No. : 29IE0204-HO-01
Power : AC120V / 60Hz
Temp./Humi. : 21deg.C / 68%
Engineer : Katsunori Okai

Mode / Remarks : WLAN 11b, Tx 2412MHz, 11Mbps, Worst-axis H:X-axis V:Z-axis

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
40.982	33.5	QP	13.5	-24.9	22.1	60	100	Vert.	40.0	17.9
41.054	23.5	QP	13.5	-24.9	12.1	76	300	Hori.	40.0	27.9
161.981	30.3	QP	15.2	-23.3	22.2	358	100	Vert.	43.5	21.3
161.996	27.3	QP	15.2	-23.3	19.2	38	300	Hori.	43.5	24.3
361.139	35.6	QP	16.3	-21.7	30.2	357	100	Vert.	46.0	15.8
361.145	34.6	QP	16.3	-21.7	29.2	302	100	Hori.	46.0	16.8
539.994	34.2	QP	19.1	-20.6	32.7	138	100	Vert.	46.0	13.3
539.996	32.6	QP	19.1	-20.6	31.1	143	100	Hori.	46.0	14.9
767.413	29.6	QP	21.2	-18.9	31.9	254	100	Vert.	46.0	14.1
767.418	33.3	QP	21.2	-18.9	35.6	3	100	Hori.	46.0	10.4
857.697	32.9	QP	21.9	-18.1	36.7	18	100	Hori.	46.0	9.3
857.706	29.5	QP	21.9	-18.1	33.3	20	100	Vert.	46.0	12.7
902.818	31.0	QP	22.0	-17.7	35.3	8	100	Hori.	46.0	10.7
902.852	30.7	QP	22.0	-17.7	35.0	0	100	Vert.	46.0	11.0

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 test result is rounded 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

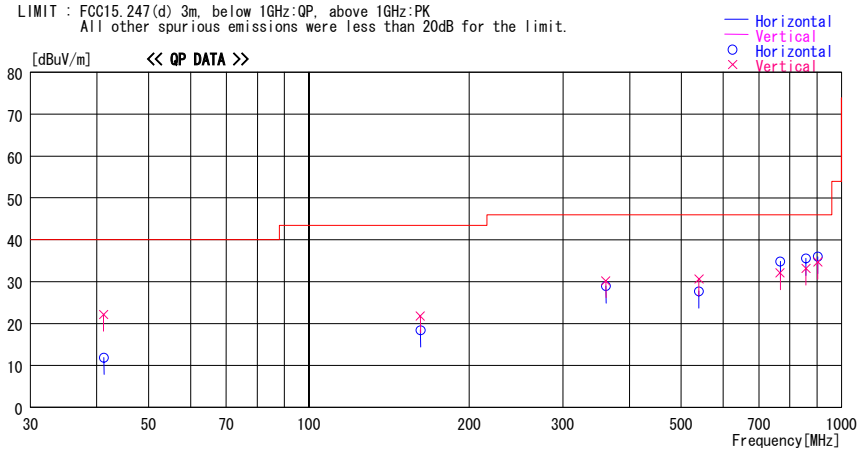
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/05/08

Company : Sony Computer Entertainment Inc.
Kind of EUT : PSP
Model No. : PSP-3001
Serial No. : 03-TSP1500H-0000031-PSPXXXX

Report No. : 29IE0204-HO-01
Power : AC120V / 60Hz
Temp./Humi. : 21deg.C / 68%
Engineer : Katsunori Okai

Mode / Remarks : WLAN 11b, Tx 2437MHz, 11Mbps, Worst-axis H:X-axis V:Z-axis

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
41.181	33.6	QP	13.5	-24.9	22.2	51	100	Vert.	40.0	17.8
41.229	23.4	QP	13.4	-24.9	11.9	78	300	Hori.	40.0	28.1
161.999	29.9	QP	15.2	-23.3	21.8	340	100	Vert.	43.5	21.7
162.004	26.5	QP	15.2	-23.3	18.4	27	300	Hori.	43.5	25.1
361.142	35.6	QP	16.3	-21.7	30.2	359	100	Vert.	46.0	15.8
361.144	34.3	QP	16.3	-21.7	28.9	123	100	Hori.	46.0	17.1
539.991	29.2	QP	19.1	-20.6	27.7	146	100	Hori.	46.0	18.3
539.997	32.1	QP	19.1	-20.6	30.6	333	100	Vert.	46.0	15.4
767.427	32.5	QP	21.2	-18.9	34.8	353	100	Hori.	46.0	11.2
767.428	29.8	QP	21.2	-18.9	32.1	43	100	Vert.	46.0	13.9
857.711	31.8	QP	21.9	-18.1	35.6	31	100	Hori.	46.0	10.4
857.713	29.4	QP	21.9	-18.1	33.2	345	100	Vert.	46.0	12.8
902.851	30.4	QP	22.0	-17.7	34.7	5	100	Vert.	46.0	11.3
902.855	31.7	QP	22.0	-17.7	36.0	18	100	Hori.	46.0	10.0

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

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

DATA OF RADIATED EMISSION TEST

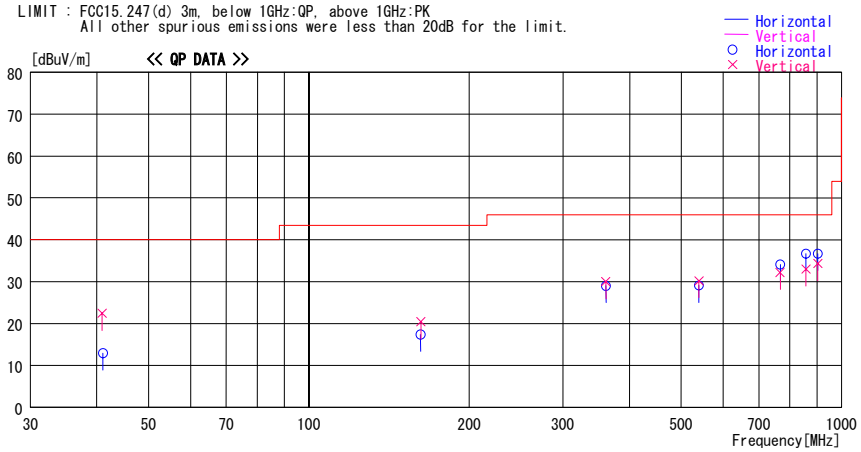
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/05/08

Company : Sony Computer Entertainment Inc.
Kind of EUT : PSP
Model No. : PSP-3001
Serial No. : 03-TSP1500H-0000031-PSPXXXX

Report No. : 29IE0204-HO-01
Power : AC120V / 60Hz
Temp./Humi. : 21deg.C / 68%
Engineer : Katsunori Okai

Mode / Remarks : WLAN 11b, Tx 2462MHz, 11Mbps, Worst-axis H:X-axis V:Z-axis

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna Factor [dB/m]	Loss& Gain [dB]	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
40.902	33.7	QP	13.6	-24.9	22.4	37	100	Vert.	40.0	17.6
41.044	24.3	QP	13.5	-24.9	12.9	78	300	Hori.	40.0	27.1
162.012	25.5	QP	15.2	-23.3	17.4	27	300	Hori.	43.5	26.1
162.358	28.5	QP	15.2	-23.3	20.4	314	100	Vert.	43.5	23.1
361.138	35.4	QP	16.3	-21.7	30.0	359	100	Vert.	46.0	16.0
361.145	34.4	QP	16.3	-21.7	29.0	323	100	Hori.	46.0	17.0
539.994	30.6	QP	19.1	-20.6	29.1	156	100	Hori.	46.0	16.9
539.998	31.7	QP	19.1	-20.6	30.2	323	100	Vert.	46.0	15.8
767.416	31.8	QP	21.2	-18.9	34.1	353	100	Hori.	46.0	11.9
767.426	29.9	QP	21.2	-18.9	32.2	213	100	Vert.	46.0	13.8
857.704	29.2	QP	21.9	-18.1	33.0	345	100	Vert.	46.0	13.0
857.713	32.9	QP	21.9	-18.1	36.7	31	100	Hori.	46.0	9.3
902.842	30.0	QP	22.0	-17.7	34.3	5	100	Vert.	46.0	11.7
902.849	32.4	QP	22.0	-17.7	36.7	28	100	Hori.	46.0	9.3

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

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Facsimile : +81 596 24 8124

Radiated Spurious Emission (below 1GHz)

Rx, Ch: Mid

DATA OF RADIATED EMISSION TEST

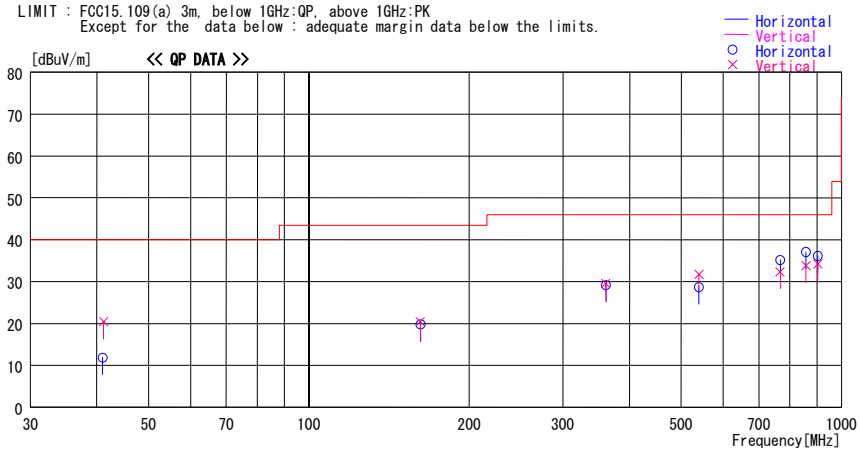
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/05/08

Company : Sony Computer Entertainment Inc.
Kind of EUT : PSP
Model No. : PSP-3001
Serial No. : 03-TSP1500H-0000031-PSPXXXX

Report No. : 29IE0204-HO-01
Power : AC120V / 60Hz
Temp./Humi. : 21deg.C / 68%
Engineer : Katsunori Okai

Mode / Remarks : WLAN 11b, Rx 2437MHz, 11Mbps, Worst-axis H:X-axis V:Z-axis

LIMIT : FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:PK
Except for the data below : adequate margin data below the limits.



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
40.974	23.3	QP	13.5	-24.9	11.9	20	300	Hori.	40.0	28.1
41.182	31.8	QP	13.5	-24.9	20.4	0	100	Vert.	40.0	19.6
162.008	27.9	QP	15.2	-23.3	19.8	12	300	Hori.	43.5	23.7
162.039	28.5	QP	15.2	-23.3	20.4	285	100	Vert.	43.5	23.1
361.133	35.0	QP	16.3	-21.7	29.6	339	100	Vert.	46.0	16.4
361.142	34.6	QP	16.3	-21.7	29.2	345	100	Hori.	46.0	16.8
539.993	30.2	QP	19.1	-20.6	28.7	141	100	Hori.	46.0	17.3
539.994	33.2	QP	19.1	-20.6	31.7	133	100	Vert.	46.0	14.3
767.422	30.1	QP	21.2	-18.9	32.4	37	100	Vert.	46.0	13.6
767.428	32.9	QP	21.2	-18.9	35.2	358	100	Hori.	46.0	10.8
857.701	30.0	QP	21.9	-18.1	33.8	349	100	Vert.	46.0	12.2
857.705	33.3	QP	21.9	-18.1	37.1	30	100	Hori.	46.0	8.9
902.841	31.8	QP	22.0	-17.7	36.1	23	100	Hori.	46.0	9.9
902.847	29.9	QP	22.0	-17.7	34.2	355	100	Vert.	46.0	11.8

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 test result is rounded 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.3 Semi Anechoic Chamber

Company	Sony Computer Entertainment Inc.	Regulation	FCC15.247(d) / RSS-210 A8.5	
Equipment	PSP	Test Distance	3m (1G-10GHz) / 1m (above 10GHz)	
Model	PSP-3001	Date	May 7, 2009	May 8, 2009
S/N	03-TSP1500H-0000031-PSPXXXX	Temperature	20 deg.C.	21 deg.C.
Power	AC 120V / 60Hz	Humidity	70 %	68 %
Mode	11b, Tx 2412MHz, 11Mbps(Worst)	Engineer	Katsunori Okai	Katsunori Okai
Position	H: X-axis, V: Z-axis		(below 10GHz)	(above 10GHz)

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2252.10	53.1	51.1	27.1	32.4	2.7	0.0	50.5	48.5	73.9	23.4	25.4
2	2390.00	53.7	55.1	27.2	32.3	2.7	0.0	51.3	52.7	73.9	22.6	21.2
3 **	2400.00	59.4	61.2	27.2	32.3	2.7	0.0	57.0	58.8	73.9	-	-
4	2572.37	47.5	49.4	27.4	32.2	2.8	0.0	45.5	47.4	73.9	28.4	26.5
5	4824.00	39.6	39.5	31.7	31.4	3.7	1.0	44.6	44.5	73.9	29.3	29.4
6	7236.00	41.2	40.1	35.9	31.9	4.7	0.9	50.8	49.7	73.9	23.1	24.2
7	9648.00	40.9	39.3	38.5	32.7	5.4	1.2	53.3	51.7	73.9	**20.6**	22.2
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
8	12060.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	14472.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	16884.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	19296.00	NS	NS	-	-	-	-	-	-	73.9	-	-
12	21708.00	NS	NS	-	-	-	-	-	-	73.9	-	-
13	24120.00	44.3	44.5	38.1	30.4	8.0	0.0	50.5	50.7	73.9	23.4	23.2

** Reference data (Refer to next page(20dBc data sheet))

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2252.10	41.7	39.6	27.1	32.4	2.7	0.0	39.1	37.0	53.9	14.8	16.9
2	2390.00	40.8	41.9	27.2	32.3	2.7	0.0	38.4	39.5	53.9	15.5	14.4
3 **	2400.00	46.5	47.8	27.2	32.3	2.7	0.0	44.1	45.4	53.9	-	-
4	2572.37	34.7	37.1	27.4	32.2	2.8	0.0	32.7	35.1	53.9	21.2	18.8
5	4824.00	27.0	29.5	31.7	31.4	3.7	1.0	32.0	34.5	53.9	21.9	19.4
6	7236.00	28.9	29.5	35.9	31.9	4.7	0.9	38.5	39.1	53.9	15.4	14.8
7	9648.00	28.8	28.9	38.5	32.7	5.4	1.2	41.2	41.3	53.9	12.7	**12.6**
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
8	12060.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	14472.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	16884.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	19296.00	NS	NS	-	-	-	-	-	-	53.9	-	-
12	21708.00	NS	NS	-	-	-	-	-	-	53.9	-	-
13	24120.00	32.3	32.2	38.1	30.4	8.0	0.0	38.5	38.4	53.9	15.4	15.5

** Reference data (Refer to next page(20dBc data sheet))

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB

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

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

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

Tx, Ch: Low

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Computer Entertainment Inc.	Regulation	FCC15.247(d) / RSS-210 A8.5
Equipment	PSP	Test Distance	3m
Model	PSP-3001	Date	May 7, 2009
S/N	03-TSP1500H-0000031-PSPXXXX	Temperature	20 deg.C.
Power	AC 120V / 60Hz	Humidity	70 %
Mode	11b, Tx 2412MHz, 11Mbps(Worst)	Engineer	Katsunori Okai
Position	H: X-axis, V: Z-axis		

20dBc (Fundamental 2412.0 MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	20dBc	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
0	2412.00	97.5	99.4	27.2	32.3	2.7	0.0	95.1	97.0	-	-	-
3	2400.00	51.0	53.5	27.2	32.3	2.7	0.0	48.6	51.1	Funda-20dB	26.5	25.9

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

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Computer Entertainment Inc.	Regulation	FCC15.247(d) / RSS-210 A8.5
Equipment	PSP	Test Distance	3m (1G-10GHz) / 1m (above 10GHz)
Model	PSP-3001	Date	May 7, 2009 / May 8, 2009
S/N	03-TSP1500H-0000031-PSPXXXX	Temperature	20 deg.C. / 21 deg.C.
Power	AC 120V / 60Hz	Humidity	70 % / 68 %
Mode	11b, Tx 2437MHz, 11Mbps(Worst)	Engineer	Katsunori Okai (below 10GHz) / Katsunori Okai (above 10GHz)
Position	H: X-axis, V: Z-axis		

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

No.	FREQ	S/A READING HOR	S/A READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Hi-Pass Filter	RESULT HOR	RESULT VER	Limit PK	MARGIN HOR	MARGIN VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2278.53	52.7	49.2	27.1	32.4	2.7	0.0	50.1	46.6	73.9	23.8	27.3
2	2597.17	49.1	50.1	27.4	32.2	2.8	0.0	47.1	48.1	73.9	26.8	25.8
3	4874.00	39.1	38.7	31.8	31.4	3.7	0.9	44.1	43.7	73.9	29.8	30.2
4	7311.00	40.2	43.6	36.1	31.9	4.7	0.9	50.0	53.4	73.9	23.9	**20.5**
5	9748.00	40.3	39.7	38.6	32.7	5.4	1.2	52.8	52.2	73.9	21.1	21.7
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12185.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	14622.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	17059.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	19496.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	21933.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	24370.00	45.1	45.3	38.5	30.3	8.0	0.0	51.8	52.0	73.9	22.1	21.9

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

No.	FREQ	S/A READING HOR	S/A READING VER	ANT Factor	AMP GAIN	CABLE LOSS	Hi-Pass Filter	RESULT HOR	RESULT VER	Limit AV	MARGIN HOR	MARGIN VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2278.53	41.6	38.2	27.1	32.4	2.7	0.0	39.0	35.6	53.9	14.9	18.3
2	2597.17	36.7	37.4	27.4	32.2	2.8	0.0	34.7	35.4	53.9	19.2	18.5
3	4874.00	26.9	26.8	31.8	31.4	3.7	0.9	31.9	31.8	53.9	22.0	22.1
4	7311.00	29.0	31.3	36.1	31.9	4.7	0.9	38.8	41.1	53.9	15.1	12.8
5	9748.00	28.6	28.7	38.6	32.7	5.4	1.2	41.1	41.2	53.9	12.8	**12.7**
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12185.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	14622.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	17059.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	19496.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	21933.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	24370.00	31.7	31.7	38.5	30.3	8.0	0.0	38.4	38.4	53.9	15.5	15.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The test result is round off to one or two decimal places, so some differences might be observed.
*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

Tx, Ch: High

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Computer Entertainment Inc.	Regulation	FCC15.247(d) / RSS-210 A8.5	
Equipment	PSP	Test Distance	3m (1G-10GHz) / 1m (above 10GHz)	
Model	PSP-3001	Date	May 7, 2009	May 8, 2009
S/N	03-TSP1500H-0000031-PSPXXXX	Temperature	20 deg.C.	21 deg.C.
Power	AC 120V / 60Hz	Humidity	70 %	68 %
Mode	11b, Tx 2462MHz, 11Mbps(Worst)	Engineer	Katsunori Okai	Katsunori Okai
Position	H: X-axis, V: Z-axis		(below 10GHz)	(above 10GHz)

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2302.18	53.2	52.5	27.2	32.4	2.7	0.0	50.7	50.0	73.9	23.2	23.9
2	2483.50	52.5	56.4	27.3	32.2	2.8	0.0	50.4	54.3	73.9	23.5	19.6
3	2622.31	45.9	48.5	27.4	32.2	2.9	0.0	44.0	46.6	73.9	29.9	27.3
4	4924.00	40.1	40.8	31.8	31.4	3.7	0.9	45.1	45.8	73.9	28.8	28.1
5	7386.00	42.3	43.9	36.2	32.0	4.7	0.9	52.1	53.7	73.9	21.8	20.2
6	9848.00	41.4	41.6	38.8	32.7	5.4	1.3	54.2	54.4	73.9	19.7	**19.5**
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12310.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	14772.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	17234.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	19696.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	22158.00	NS	NS	-	-	-	-	-	-	73.9	-	-
12	24620.00	44.5	44.9	38.8	30.1	8.1	0.0	51.8	52.2	73.9	22.1	21.7

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2302.18	42.2	41.0	27.2	32.4	2.7	0.0	39.7	38.5	53.9	14.2	15.4
2	2483.50	39.4	43.5	27.3	32.2	2.8	0.0	37.3	41.4	53.9	16.6	12.5
3	2622.31	33.0	35.7	27.4	32.2	2.9	0.0	31.1	33.8	53.9	22.8	20.1
4	4924.00	27.1	27.1	31.8	31.4	3.7	0.9	32.1	32.1	53.9	21.8	21.8
5	7386.00	29.9	31.6	36.2	32.0	4.7	0.9	39.7	41.4	53.9	14.2	12.5
6	9848.00	29.0	29.0	38.8	32.7	5.4	1.3	41.8	41.8	53.9	**12.1**	**12.1**
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12310.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	14772.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	17234.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	19696.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	22158.00	NS	NS	-	-	-	-	-	-	53.9	-	-
12	24620.00	32.6	32.5	38.8	30.1	8.1	0.0	39.9	39.8	53.9	14.0	14.1

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB

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

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

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

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

Rx, Ch: Mid

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Computer Entertainment Inc.	Regulation	FCC 15.109 / RSS-Gen 7.2.1 and 7.2.3
Equipment	PSP	Test Distance	3m
Model	PSP-3001	Date	May 7, 2009
S/N	03-TSP1500H-0000031-PSPXXXX	Temperature	20 deg.C.
Power	AC 120V / 60Hz	Humidity	70 %
Mode	11b, Rx 2437MHz	Engineer	Katsunori Okai
Position	H: X-axis, V: Z-axis		

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss											
1	2437.00	40.1	40.8	27.2	32.3	2.8	37.8	38.5	73.9	36.1	35.4
2	4874.00	39.2	39.2	31.8	31.4	3.4	43.0	43.0	73.9	30.9	30.9
3	7311.00	40.9	41.4	36.1	31.9	4.2	49.3	49.8	73.9	24.6	**24.1**

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

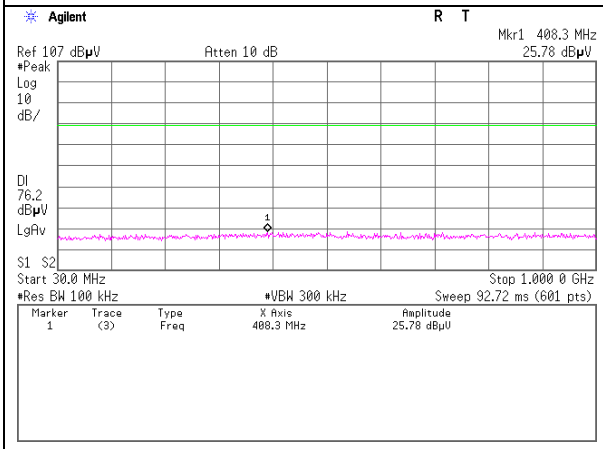
No.	FREQ	S/A READING		ANT	AMP	CABLE	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss											
1	2437.00	28.3	28.2	27.2	32.3	2.8	26.0	25.9	53.9	27.9	28.0
2	4874.00	27.1	27.0	31.8	31.4	3.4	30.9	30.8	53.9	23.0	23.1
3	7311.00	28.7	28.7	36.1	31.9	4.2	37.1	37.1	53.9	**16.8**	**16.8**

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The test result is round off to one or two decimal places, so some differences might be observed.

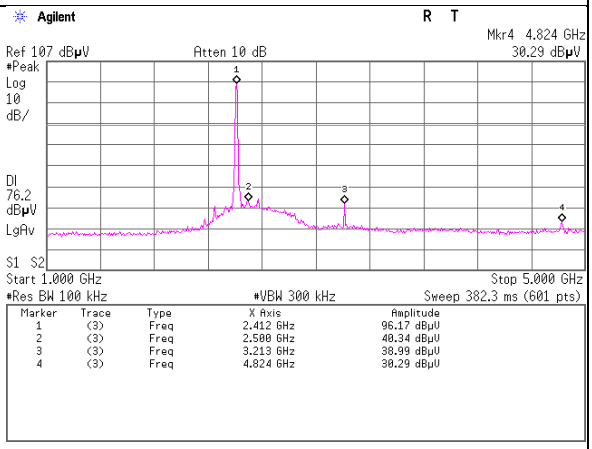
Conducted Spurious Emission

Tx, Ch: Low

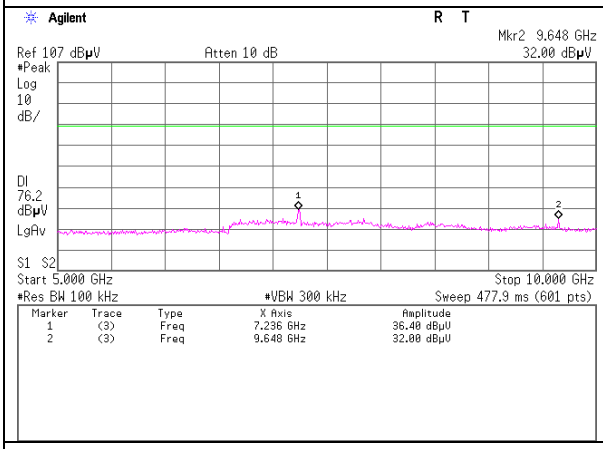
30MHz-1GHz



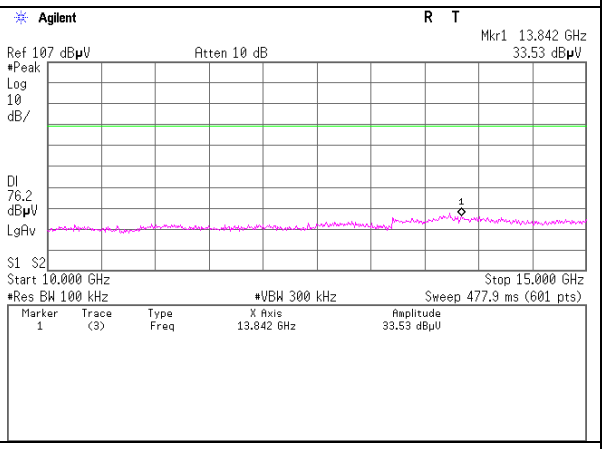
1GHz-5GHz



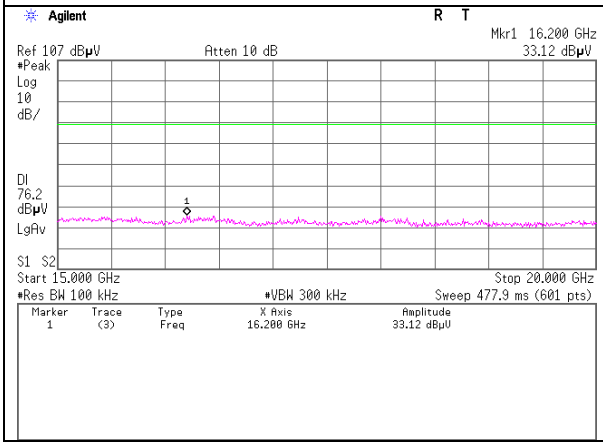
5GHz-10GHz



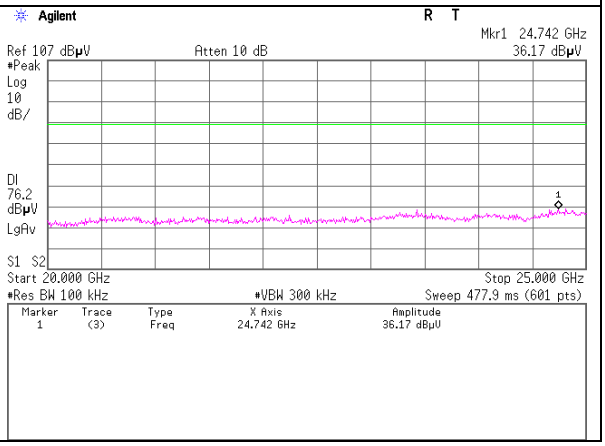
10GHz-15GHz



15GHz-20GHz



20GHz-25GHz



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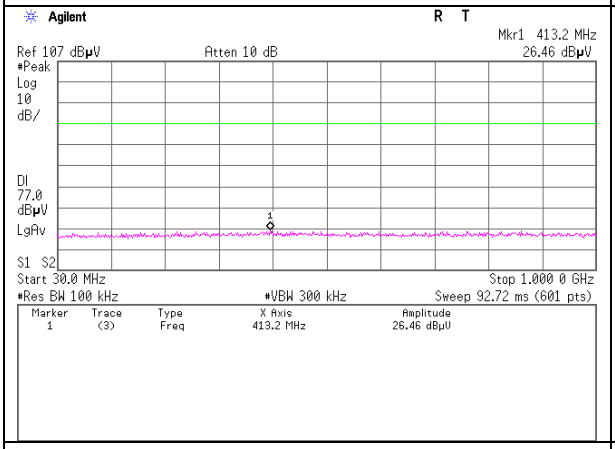
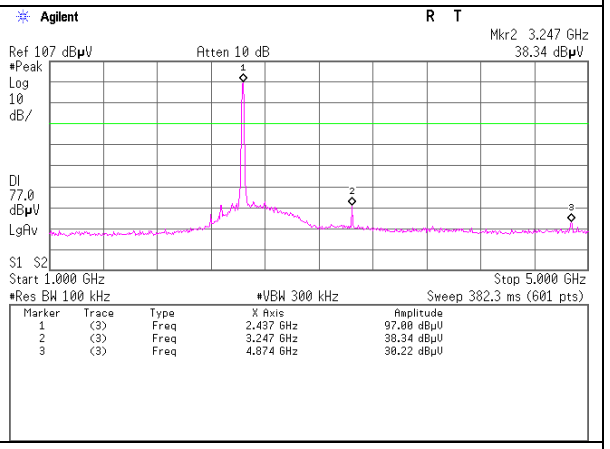
Conducted Spurious Emission

Tx, Ch: Mid

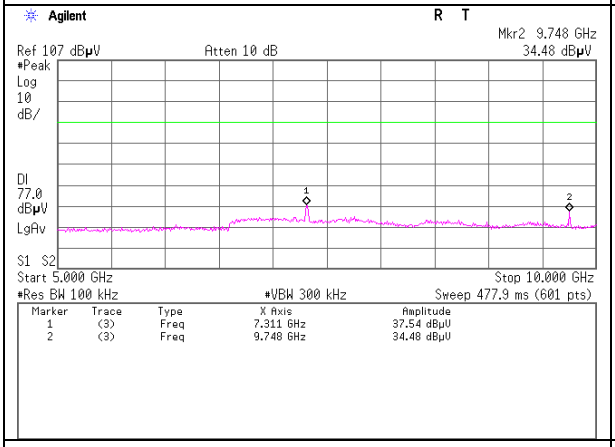
30MHz-1GHz



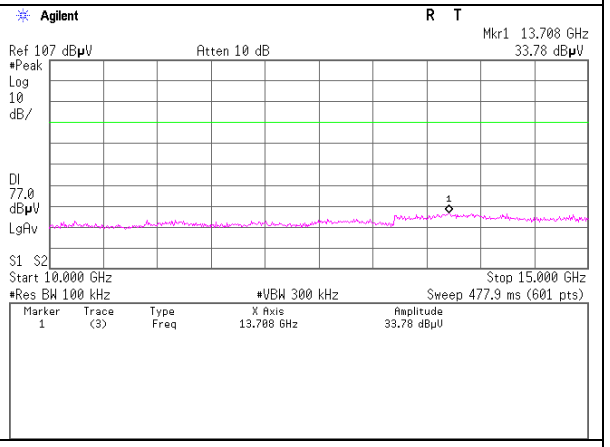
1GHz-5GHz



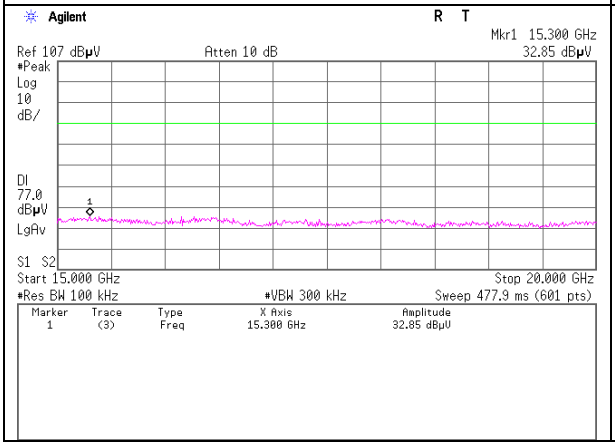
5GHz-10GHz



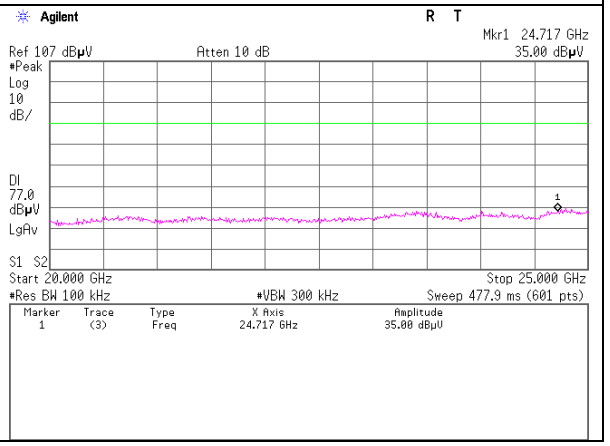
10GHz-15GHz



15GHz-20GHz

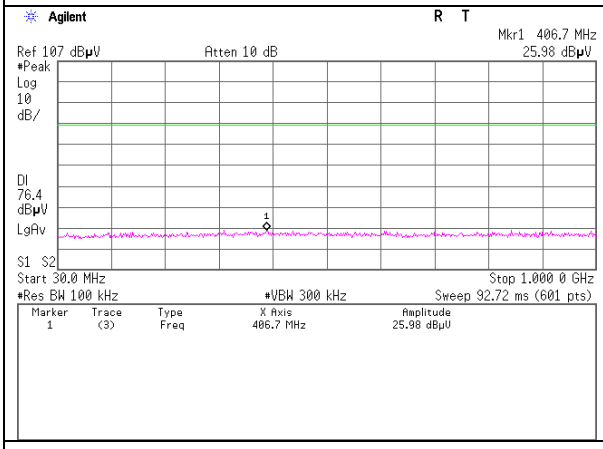


20GHz-25GHz

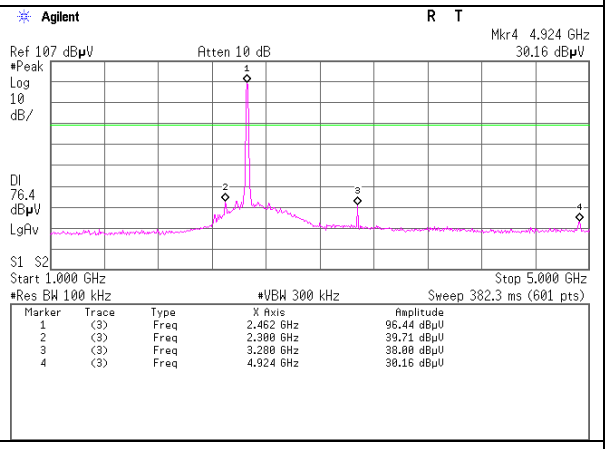


Conducted Spurious Emission
Tx, Ch: High

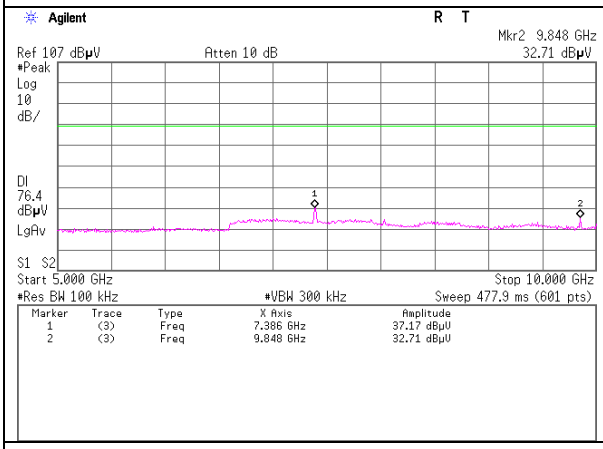
30MHz-1GHz



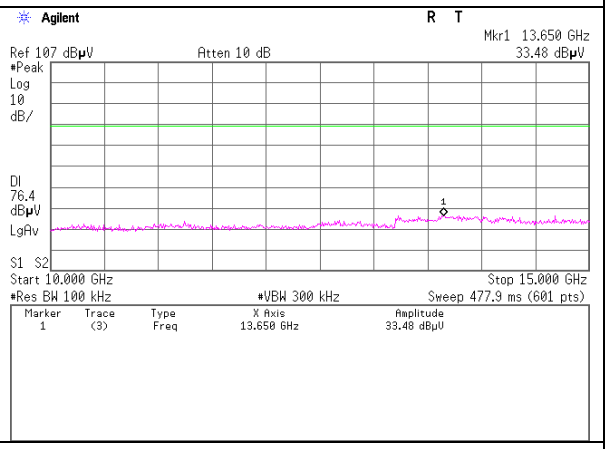
1GHz-5GHz



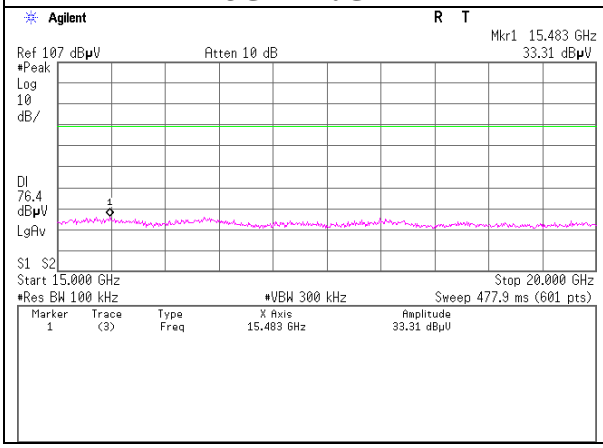
5GHz-10GHz



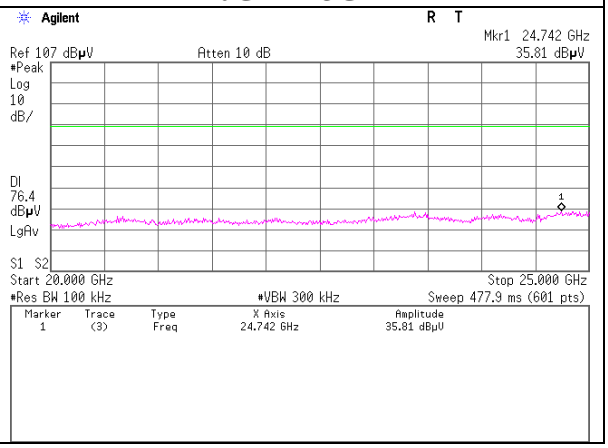
10GHz-15GHz



15GHz-20GHz

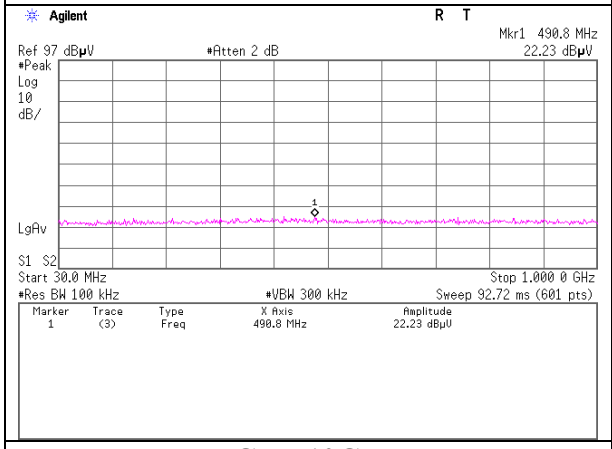


20GHz-25GHz

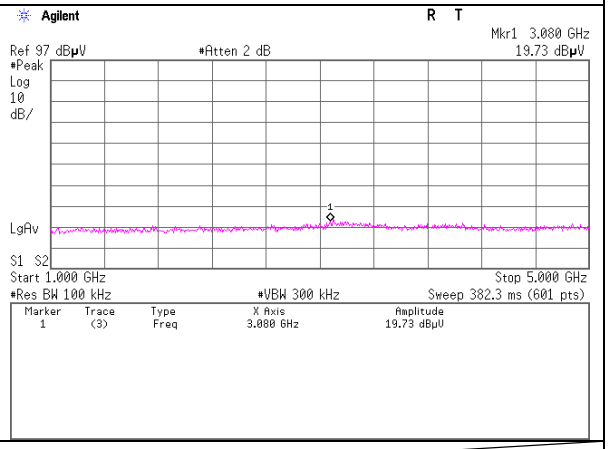


Conducted Spurious Emission
Rx, Ch: Mid

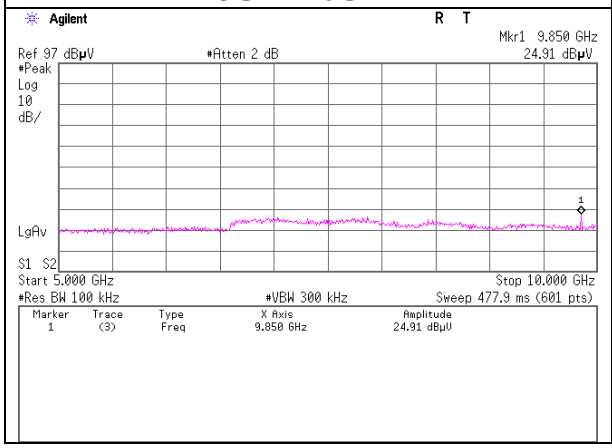
30MHz-1GHz



1GHz-5GHz



5GHz-10GHz



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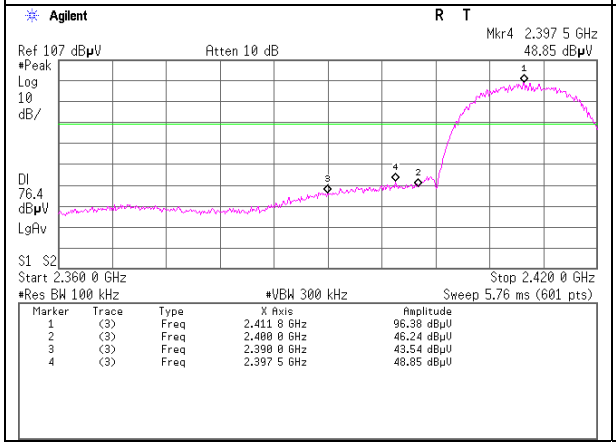
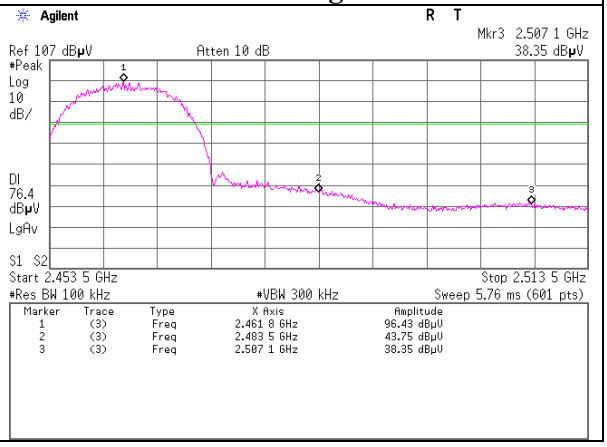
Conducted emission Band Edge compliance

Ch: Low



Ch: High



Power Density

UL Japan, Inc
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Company	Sony Computer Entertainment Inc.	Regulation	FCC15.247(e)/RSS-210A8.2(b)
Equipment	PSP	Test Distance	-
Model	PSP-3001	Date	05/12/2009
S/N	03-TSP1500H-0000106-PSPXXXX	Temperature	24 deg.C.
Power	AC 120V / 60Hz	Humidity	49 %
Mode	11b, Tx (Ch L, M, H),11Mbps(Worst)	Engineer	Hisayoshi Sato

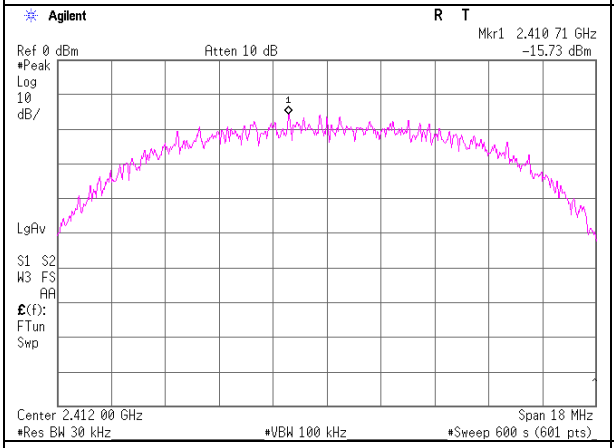
[IEEE802.11b]

Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2410.7	-15.73	1.10	10.02	-4.61	8.00	12.61
Mid	2435.7	-15.10	1.10	10.02	-3.98	8.00	11.98
High	2460.7	-15.79	1.10	10.02	-4.67	8.00	12.67

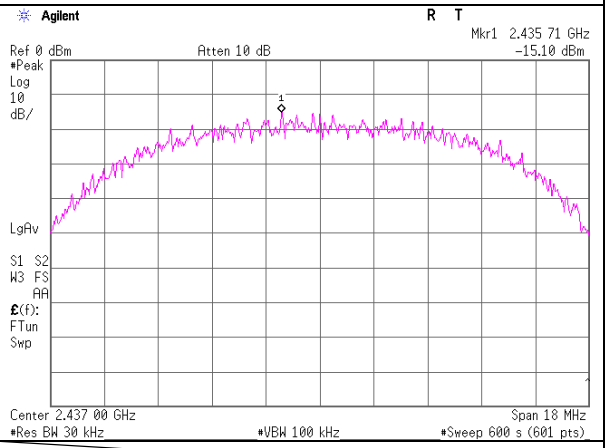
Sample Calculation:
Result = Reading + Cable Loss (spplied by customer) + Attenuator

Power Density

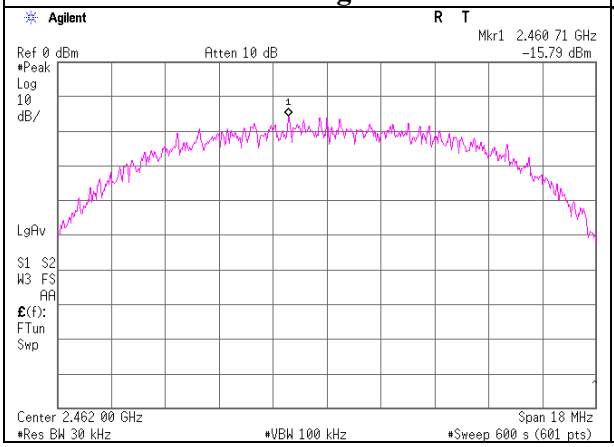
Ch: Low



Ch: Mid



Ch: High



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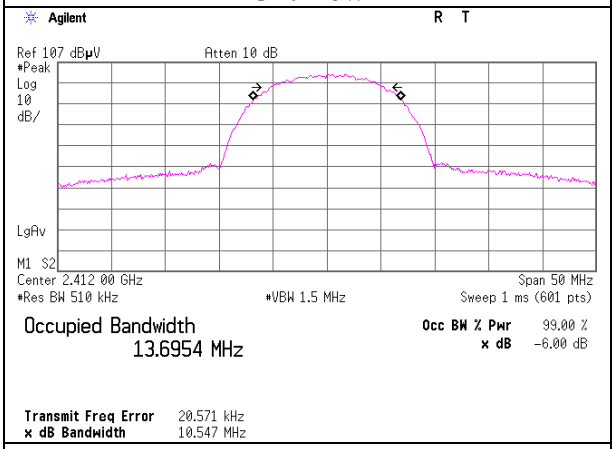
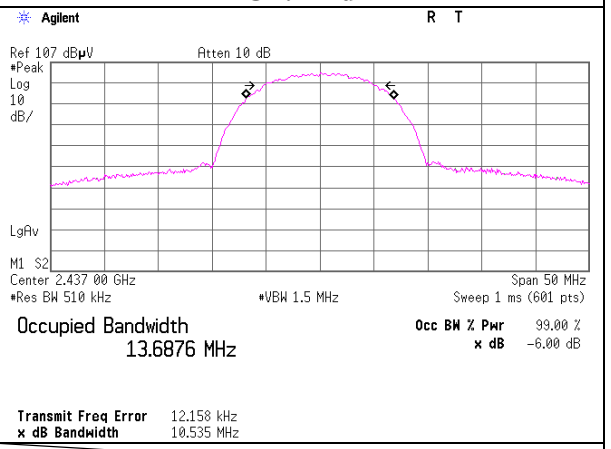
99%Occupied Bandwidth

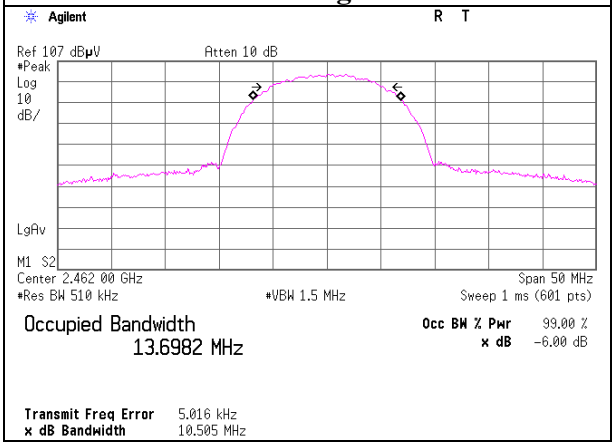
Ch: Low



Ch: Mid



Ch: High



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APPENDIX 3: Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	RE/CE	2009/02/02 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	-	RE/CE	2009/02/06 * 12
MJM-06	Measure	PROMART	SEN1955	-	RE/CE	-
CUST-MSTW-14	EMI measurement program	TSJ	TEPTO-DV	-	RE/CE	-
MSA-10	Spectrum Analyzer	Agilent	E4448A	MY46180655	RE	2009/02/25 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	258	RE	2009/04/30 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	174410(1m) / 284655(5m)	RE	2009/01/07 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	MY39500779	RE	2009/03/19 * 12
MCC-78	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	278993/4	RE	2008/12/17 * 12
MHF-19	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCA	602	RE	2008/12/16 * 12
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	BBHA9170306	RE	2009/04/30 * 12
MSA-09	Spectrum Analyzer	Advantest	R3273	95090115	RE/CE	2008/12/24 * 12
MTR-08	Test Receiver	Rohde & Schwarz	ESCI	100767	RE/CE	2008/06/12 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	1915	RE	2009/01/19 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	174	RE	2009/01/10 * 12
MCC-51	Coaxial cable	UL Japan	-	-	RE	2008/07/18 * 12
MAT-09	Attenuator(6dB)	Weinschel Corp	2	BK7973	RE	2008/11/14 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	260834	RE	2009/03/18 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	8127363	CE(EUT)	2009/02/18 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	8127364	CE(AE)	2009/02/18 * 12
MTA-07	Terminator	MCL	BTRM-50	1 9944	CE	2009/02/17 * 12
MCC-112	Coaxial cable	Fujikura/Suhner/TSJ	-	-	CE	2008/07/03 * 12
MAT-22	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	-	AT	2009/03/24 * 12
MPM-08	Power Meter	Anritsu	ML2495A	6K00003338	AT	2008/09/24 * 12
MPSE-11	Power sensor	Anritsu	MA2411B	011737	AT	2008/09/24 * 12
MSA-10	Spectrum Analyzer	Agilent	E4448A	MY46180655	AT	2009/02/25 * 12
MOS-19	Thermo-Hygrometer	Custom	CTH-201	0001	AT	2008/12/08 * 12

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.
As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

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