

**APPENDIX 2: Data of EMI test**

**Conducted Emission**  
**11b, Tx, Ch: Low**  
**(AC Adaptor: ACC-155)**

**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
 Date : 2008/06/16

Company	: Sony Computer Entertainment Inc.	Report No.	: 28KE0053-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-3001	Temp./Humi.	: 23 deg.C. / 77%
Serial No.	: 03-TSP1300H-0000247-PSPXXXX	Engineer	: Yutaka Yoshida

Mode / Remarks : WLAN 11b Tx 2412MHz 11Mbps / Adaptor:ACC-155

LIMIT : FCC15.207 QP  
FCC15.207 AV

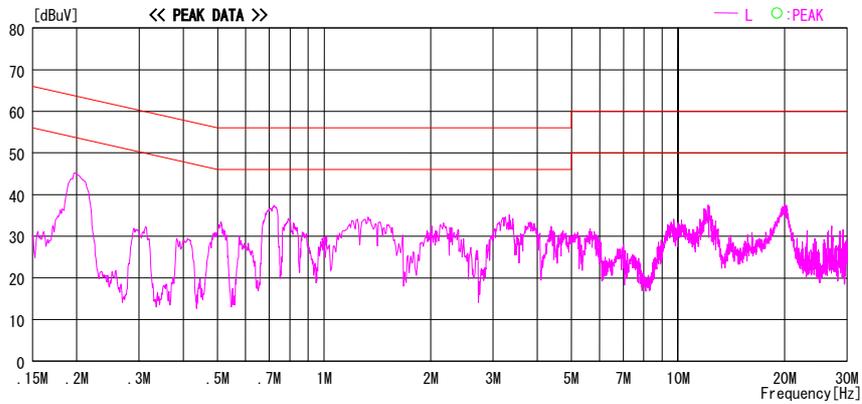
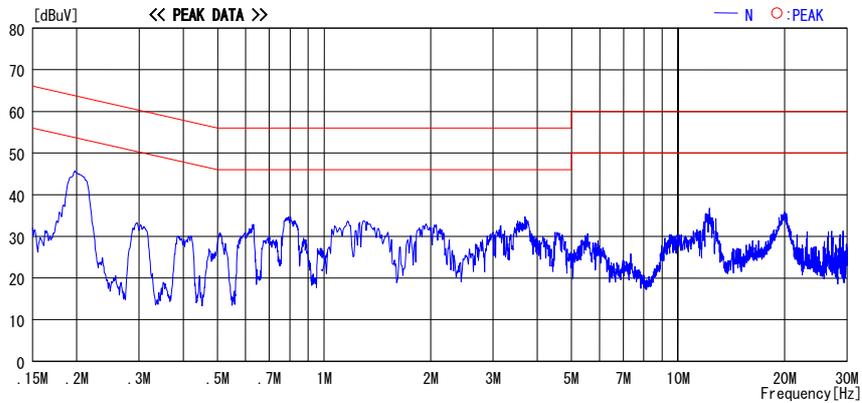


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C.F [dB] (L1SN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**11b, Tx, Ch: Mid**  
**(AC Adaptor: ACC-155)**

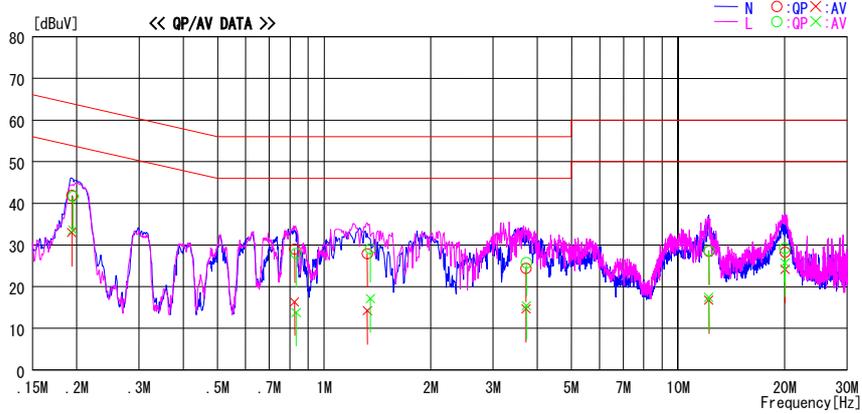
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Date : 2008/06/16

Company : Sony Computer Entertainment Inc. Report No. : 28KE0053-HO-01  
Kind of EUT : PSP Power : AC 120V / 60Hz  
Model No. : PSP-3001 Temp./Humi. : 23 deg. C. / 77%  
Serial No. : 03-TSP1300H-0000247-PSPXXXX Engineer : Yutaka Yoshida

Mode / Remarks : WLAN 11b Tx 2437MHz 11Mbps / Adaptor:ACC-155

LIMIT : FCC15. 207 QP  
FCC15. 207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.19350	41.6	32.7	0.3	41.9	33.0	63.9	53.9	22.0	20.9	N	
0.82513	28.6	15.9	0.4	29.0	16.3	56.0	46.0	27.0	29.7	N	
1.32466	27.5	13.8	0.4	27.9	14.2	56.0	46.0	28.1	31.8	N	
3.72216	23.7	14.0	0.7	24.4	14.7	56.0	46.0	31.6	31.3	N	
12.21566	27.2	15.5	1.3	28.5	16.8	60.0	50.0	31.5	33.2	N	
20.05522	26.5	22.3	1.8	28.3	24.1	60.0	50.0	31.7	25.9	N	
0.19489	41.4	33.3	0.3	41.7	33.6	63.8	53.8	22.1	20.2	L	
0.83313	27.6	13.4	0.4	28.0	13.8	56.0	46.0	28.0	32.2	L	
1.35066	28.7	16.7	0.4	29.1	17.1	56.0	46.0	26.9	28.9	L	
3.72943	25.1	14.7	0.7	25.8	15.4	56.0	46.0	30.2	30.6	L	
12.21566	27.3	16.1	1.3	28.6	17.4	60.0	50.0	31.4	32.6	L	
20.03517	27.4	23.9	1.8	29.2	25.7	60.0	50.0	30.8	24.3	L	

CHART: WITH FACTOR, Peak hold data. CALCULATION: 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 round off to one or two decimal places, so some differences might be observed.

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**Conducted Emission**  
**11b, Tx, Ch: High**  
**(AC Adaptor: ACC-155)**

**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
 Date : 2008/06/16

Company	: Sony Computer Entertainment Inc.	Report No.	: 28KE0053-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-3001	Temp./Humi.	: 23 deg. C. / 77%
Serial No.	: 03-TSP1300H-0000247-PSPXXXX	Engineer	: Yutaka Yoshida

Mode / Remarks : WLAN 11b Tx 2462MHz 11Mbps / Adaptor:ACC-155

LIMIT : FCC15.207 QP  
 FCC15.207 AV

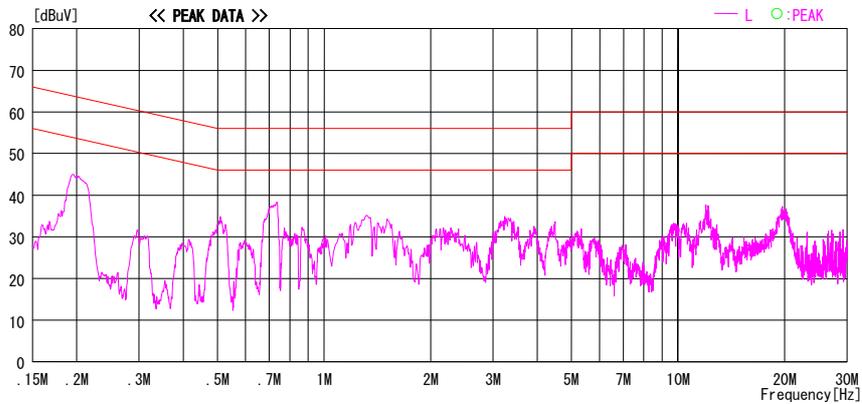
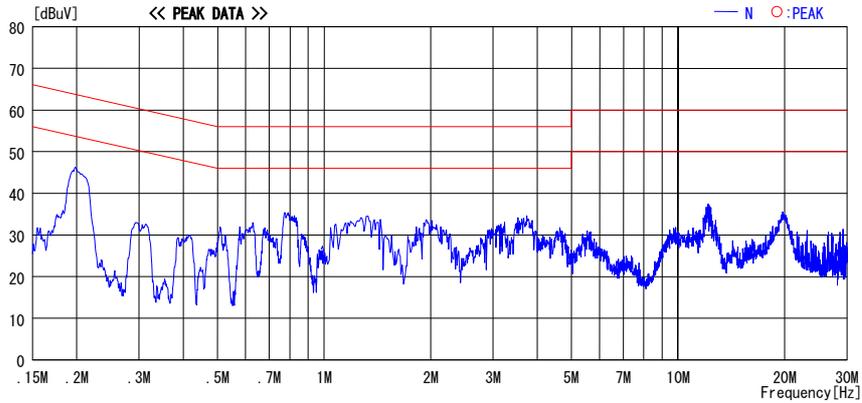


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**11b, Rx, Ch: Mid**  
**(AC Adaptor: ACC-155)**

**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
 Date : 2008/06/16

Company	: Sony Computer Entertainment Inc.	Report No.	: 28KE0053-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-3001	Temp./Humi.	: 23 deg. C. / 77%
Serial No.	: 03-TSP1300H-0000247-PSPXXXX	Engineer	: Yutaka Yoshida

Mode / Remarks : WLAN 11b Rx 2437MHz / Adaptor:ACC-155

LIMIT : FCC15.207 QP  
FCC15.207 AV

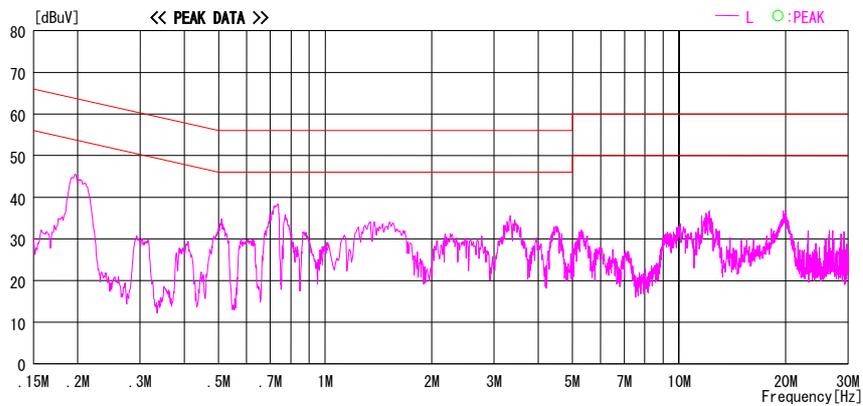
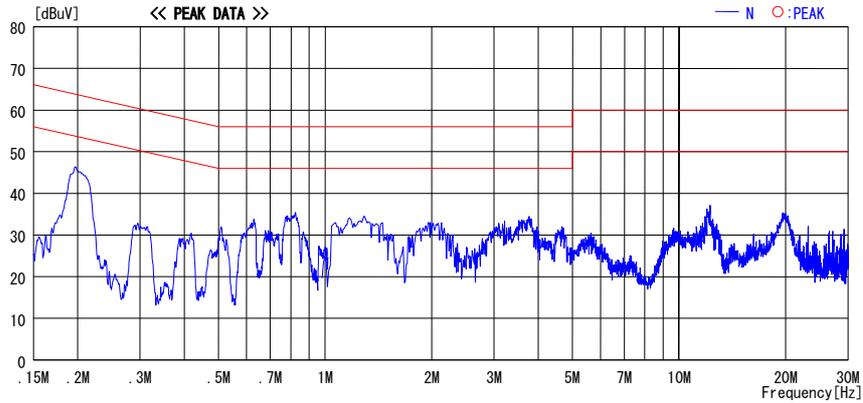


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C.F [dB] (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**11b, Tx, Ch: Low**  
**(AC Adaptor: ADP-624SR)**

**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
 Date : 2008/06/16

Company	: Sony Computer Entertainment Inc.	Report No.	: 28KE0053-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-3001	Temp./Humi.	: 23 deg. C. / 77%
Serial No.	: 03-TSP1300H-0000247-PSPXXX	Engineer	: Yutaka Yoshida

Mode / Remarks : WLAN 11b Tx 2412MHz 11Mbps / Adaptor:ADP-624SR

LIMIT : FCC15.207 QP  
 FCC15.207 AV

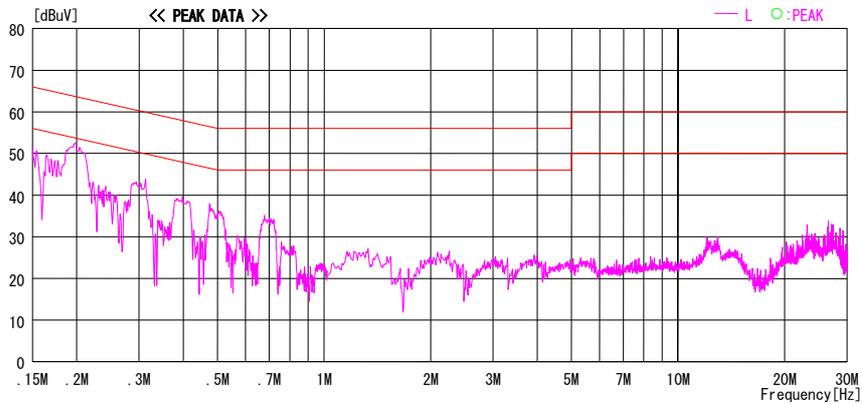
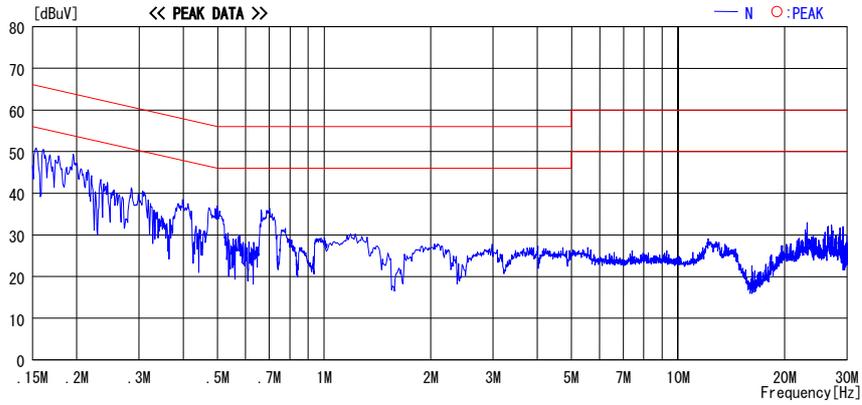


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**11b, Tx, Ch: Mid**  
**(AC Adaptor: ADP-624SR)**

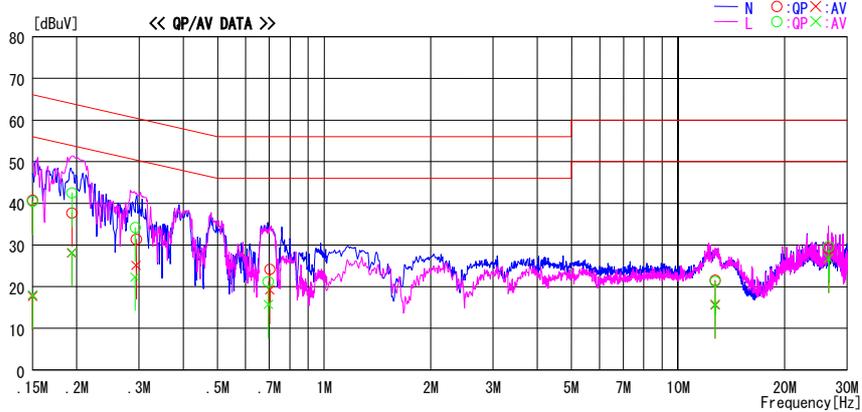
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Date : 2008/06/16

Company : Sony Computer Entertainment Inc. Report No. : 28KE0053-HO-01  
Kind of EUT : PSP Power : AC 120V / 60Hz  
Model No. : PSP-3001 Temp./Humi. : 23 deg. C. / 77%  
Serial No. : 03-TSP1300H-0000247-PSPXXX Engineer : Yutaka Yoshida

Mode / Remarks : WLAN 11b Tx 2437MHz 11Mbps / Adaptor:ADP-624SR

LIMIT : FCC15.207 QP  
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.15000	40.4	17.4	0.3	40.7	17.7	66.0	56.0	25.3	38.3	N	
0.19361	37.4	27.8	0.3	37.7	28.1	63.9	53.9	26.2	25.8	N	
0.29456	31.1	24.8	0.3	31.4	25.1	60.4	50.4	29.0	25.3	N	
0.70275	23.9	18.9	0.3	24.2	19.2	56.0	46.0	31.8	26.8	N	
12.71691	20.2	14.3	1.3	21.5	15.6	60.0	50.0	38.5	34.4	N	
26.60894	27.3	24.7	1.9	29.2	26.6	60.0	50.0	30.8	23.4	N	
0.15000	40.2	17.7	0.3	40.5	18.0	66.0	56.0	25.5	38.0	L	
0.19377	42.2	27.9	0.3	42.5	28.2	63.9	53.9	21.4	25.7	L	
0.29262	33.9	22.0	0.3	34.2	22.3	60.4	50.4	26.2	28.1	L	
0.69549	20.9	15.4	0.3	21.2	15.7	56.0	46.0	34.8	30.3	L	
12.71691	20.0	14.5	1.3	21.3	15.8	60.0	50.0	38.7	34.2	L	
26.60964	27.8	24.8	1.9	29.7	26.7	60.0	50.0	30.3	23.3	L	

CHART: WITH FACTOR, Peak hold data. CALCULATION: 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 round off to one or two decimal places, so some differences might be observed.

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**Conducted Emission**  
**11b, Tx, Ch: High**  
**(AC Adaptor: ADP-624SR)**

**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
 Date : 2008/06/16

Company	: Sony Computer Entertainment Inc.	Report No.	: 28KE0053-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-3001	Temp./Humi.	: 23 deg. C. / 77%
Serial No.	: 03-TSP1300H-0000247-PSPXXX	Engineer	: Yutaka Yoshida

Mode / Remarks : WLAN 11b Tx 2462MHz 11Mbps / Adaptor:ADP-624SR

LIMIT : FCC15.207 QP  
 FCC15.207 AV

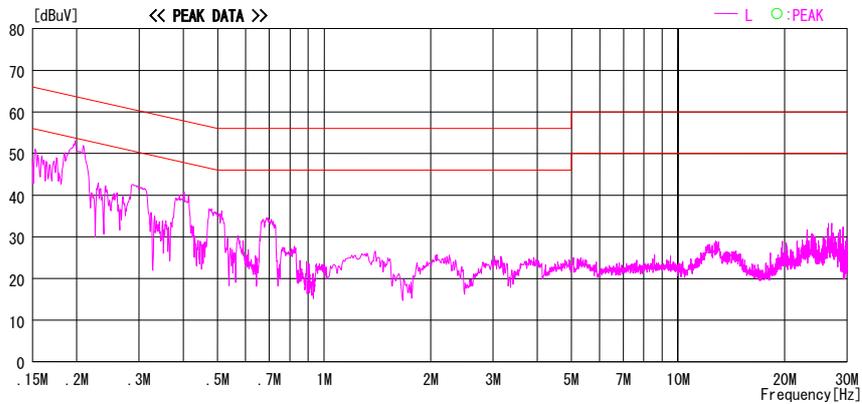
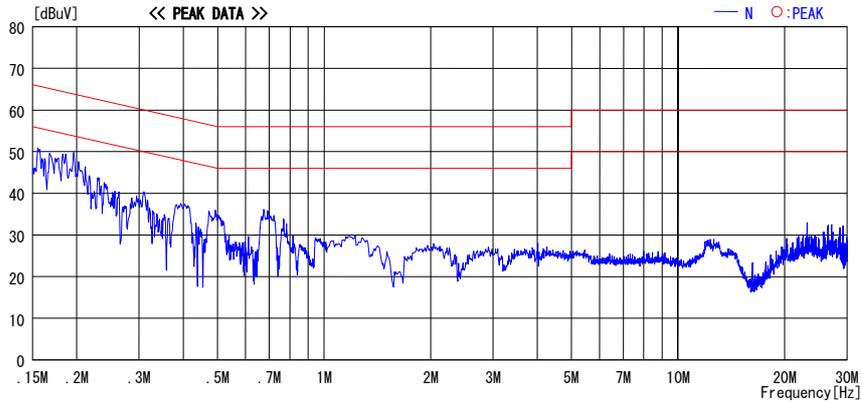


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**11b, Rx, Ch: Mid**  
**(AC Adaptor: ADP-624SR)**

**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
 Date : 2008/06/16

Company	: Sony Computer Entertainment Inc.	Report No.	: 28KE0053-HO-01
Kind of EUT	: PSP	Power	: AC 120V / 60Hz
Model No.	: PSP-3001	Temp./Humi.	: 23 deg. C. / 77%
Serial No.	: 03-TSP1300H-0000247-PSPXXX	Engineer	: Yutaka Yoshida

Mode / Remarks : WLAN 11b Rx 2437MHz / Adaptor:ADP-624SR

LIMIT : FCC15.207 QP  
 FCC15.207 AV

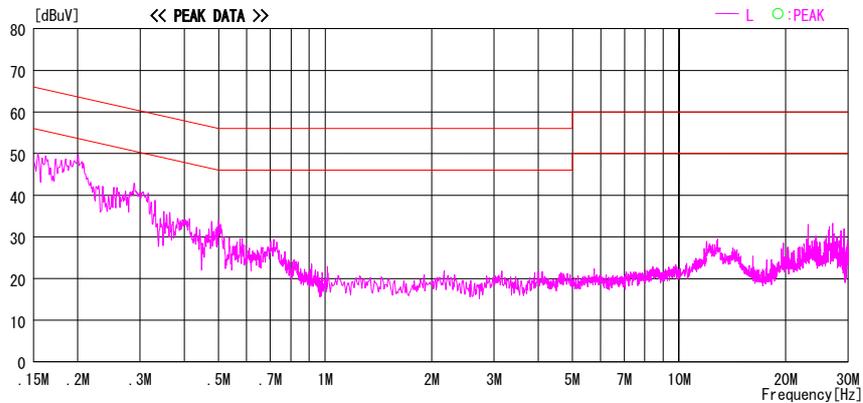
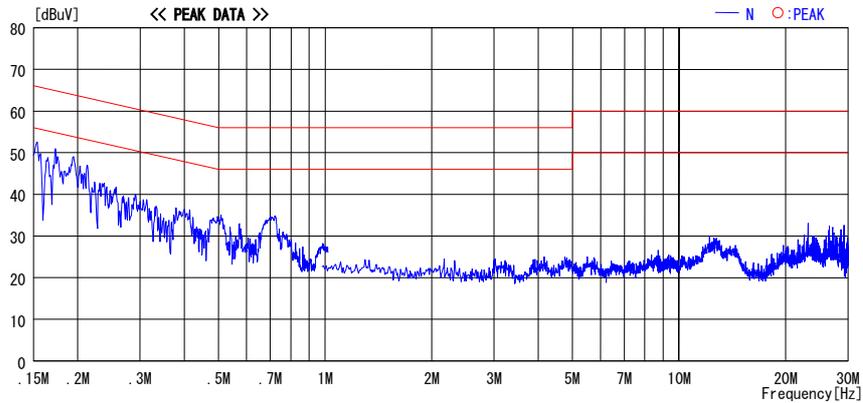


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C.F[db] (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

### 6dB Bandwidth

#### **11b**

UL Japan, Inc

Head Office EMC Lab. No.4 Preparation room

Company Sony Computer Entertainment Inc.  
Equipment PSP  
Model PSP-3001  
S/N 03-TSP1300H-0000238-PSPXXXX  
Power AC 120V / 60Hz  
Mode 11b, Tx, 11Mbps

Regulation FCC Part15 Subpart C 15.247(a)(2) / RSS-210 A8.1(a)  
Test Distance -  
Date 06/09/2008  
Temperature 24 deg.C.  
Humidity 67 %  
Engineer Kazufumi Nakai

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	9.582	>500
Mid	2437.0	9.586	>500
High	2462.0	9.585	>500

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**UL Japan, Inc.**

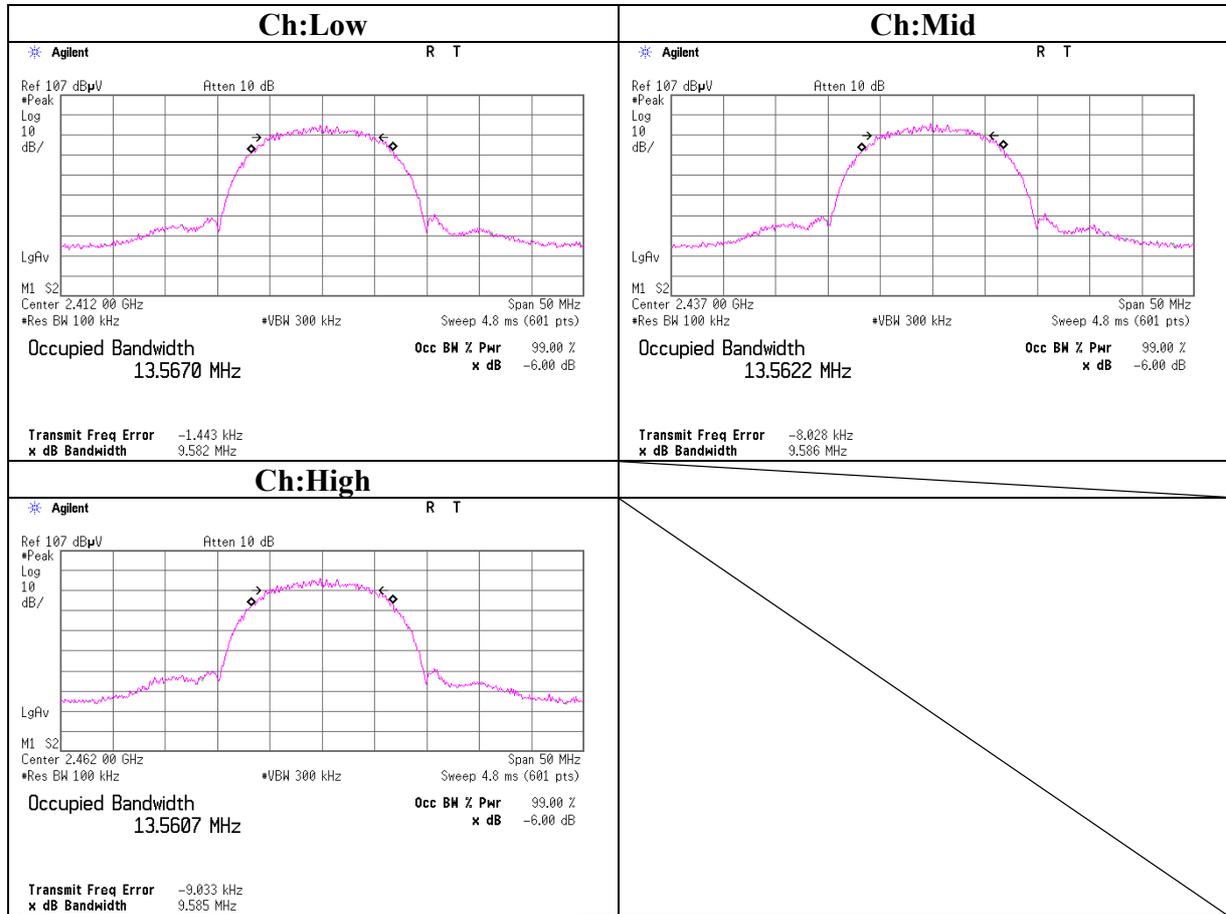
**Head Office EMC Lab.**

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**6dB Bandwidth**  
**11b**



**Maximum Peak Output Power**

**11b**

UL Japan, Inc  
Head Office EMC Lab. No.4 Preparation room

Company	Sony Computer Entertainment Inc.	Regulation	FCC Part15 Subpart C 15.247(b)(3) / RSS-210 A8.4(4)
Equipment	PSP	Test Distance	-
Model	PSP-3001	Date	June 9, 2008
S/N	03-TSP1300H-0000238-PSPXXXX	Temperature	24 deg.C.
Power	AC 120V / 60Hz	Humidity	69 %
Mode	11b, Tx, 11Mbps	Engineer	Takumi Shimada

**[IEEE 802.11b]**

Ch	Freq. [MHz]	P/M (PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	-1.93	1.10	10.22	9.39	8.69	30.0	1000	20.61
Mid	2437.0	-2.08	1.10	10.22	9.24	8.39	30.0	1000	20.76
High	2462.0	-0.83	1.10	10.22	10.49	11.19	30.0	1000	19.51

Sample Calculation:

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

**Rate Pre check**

Freq [MHz]	Rate [Mbps]	P/M (PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
2437	1.0	-2.37	1.10	10.22	8.95	7.85	30.0	1000	21.05
2437	2.0	-2.14	1.10	10.22	9.18	8.28	30.0	1000	20.82
2437	5.5	-2.49	1.10	10.22	8.83	7.64	30.0	1000	21.17
2437	11.0	-2.08	1.10	10.22	<b>9.24</b>	8.39	30.0	1000	<b>20.76</b>

Sample Calculation:

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

\*Compared to UL Japan, Test Report No. 28KE0053-HO-01-A for the original model, difference in Maximum Peak Output Power is within +/- 0.5dB.

**Radiated Spurious Emission (below 1GHz)**  
**11b, Tx, Ch: Low**  
**(AC Adaptor: ACC-155)**

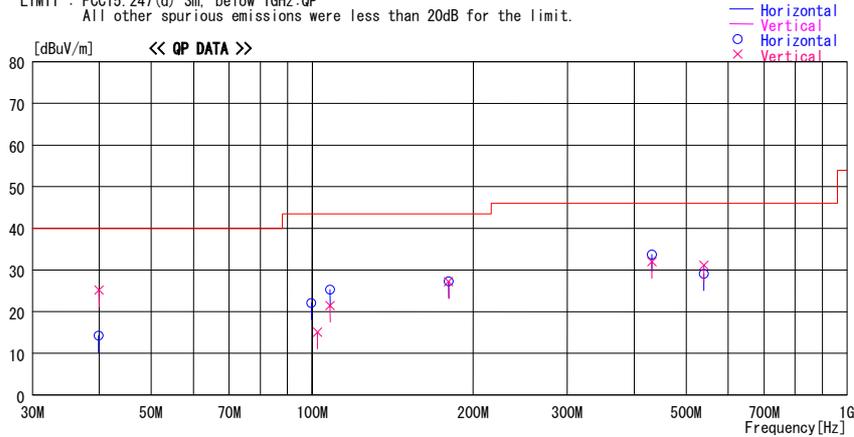
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Date : 2008/06/13

Company : Sony Computer Entertainment Inc. Report No. : 28KE0053-HO-01  
Kind of EUT : PSP Power : AC 120V / 60Hz  
Model No. : PSP-3001 Temp./Humi. : 22deg. C / 66%  
Serial No. : 03-TSP1300H-0000247-PSPXXXX Engineer : Takayuki Shimada

Mode / Remarks : WLAN 11b Tx 2412MHz 11Mbps EUT axis (H:X,V:Z) / Adaptor:ACC-155

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]
39.890	25.3	QP	13.7	-24.8	14.2	48	340	Hori.	40.0	25.8
39.940	36.3	QP	13.7	-24.8	25.2	87	100	Vert.	40.0	14.8
99.640	35.8	QP	10.1	-23.8	22.1	67	319	Hori.	43.5	21.4
102.342	28.4	QP	10.5	-23.8	15.1	13	322	Vert.	43.5	28.4
108.000	37.8	QP	11.2	-23.7	25.3	77	165	Hori.	43.5	18.2
108.000	34.0	QP	11.2	-23.7	21.5	2	356	Vert.	43.5	22.0
180.000	34.0	QP	16.5	-23.2	27.3	21	178	Hori.	43.5	16.2
180.000	33.9	QP	16.5	-23.2	27.2	15	356	Vert.	43.5	16.3
431.996	36.6	QP	18.4	-21.3	33.7	133	100	Hori.	46.0	12.3
431.998	34.9	QP	18.4	-21.3	32.0	23	138	Vert.	46.0	14.0
539.998	32.1	QP	19.7	-20.6	31.2	45	107	Vert.	46.0	14.8
540.000	30.0	QP	19.7	-20.6	29.1	19	100	Hori.	46.0	16.9

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

**Radiated Spurious Emission (below 1GHz)**  
**11b, Tx, Ch: Mid**  
**(AC Adaptor: ACC-155)**

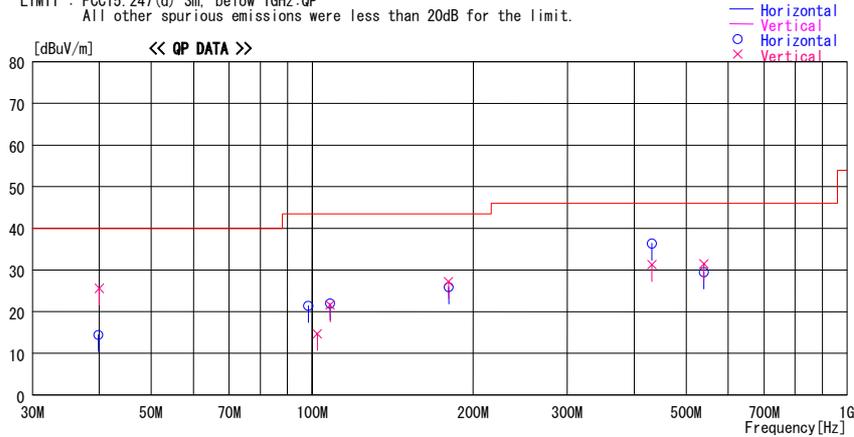
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Date : 2008/06/13

Company : Sony Computer Entertainment Inc. Report No. : 28KE0053-HO-01  
Kind of EUT : PSP Power : AC 120V / 60Hz  
Model No. : PSP-3001 Temp./Humi. : 22deg. C / 66%  
Serial No. : 03-TSP1300H-0000247-PSPXXXX Engineer : Takayuki Shimada

Mode / Remarks : WLAN 11b Tx 2437MHz 11Mbps EUT axis (H:X,V:Z) / Adaptor:ACC-155

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]
39.820	25.5	QP	13.7	-24.8	14.4	52	331	Hori.	40.0	25.6
40.014	36.7	QP	13.6	-24.7	25.6	82	100	Vert.	40.0	14.4
98.286	35.5	QP	9.8	-23.9	21.4	71	314	Hori.	43.5	22.1
102.286	28.0	QP	10.5	-23.8	14.7	6	327	Vert.	43.5	28.8
107.999	34.5	QP	11.2	-23.7	22.0	77	168	Hori.	43.5	21.5
108.000	34.1	QP	11.2	-23.7	21.6	8	360	Vert.	43.5	21.9
180.001	32.6	QP	16.5	-23.2	25.9	17	174	Hori.	43.5	17.6
180.001	33.9	QP	16.5	-23.2	27.2	10	353	Vert.	43.5	16.3
431.998	39.3	QP	18.4	-21.3	36.4	127	100	Hori.	46.0	9.6
431.998	34.2	QP	18.4	-21.3	31.3	44	137	Vert.	46.0	14.7
539.996	30.4	QP	19.7	-20.6	29.5	19	100	Hori.	46.0	16.5
539.996	32.4	QP	19.7	-20.6	31.5	43	106	Vert.	46.0	14.5

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)**  
**11b, Tx, Ch: High**  
**(AC Adaptor: ACC-155)**

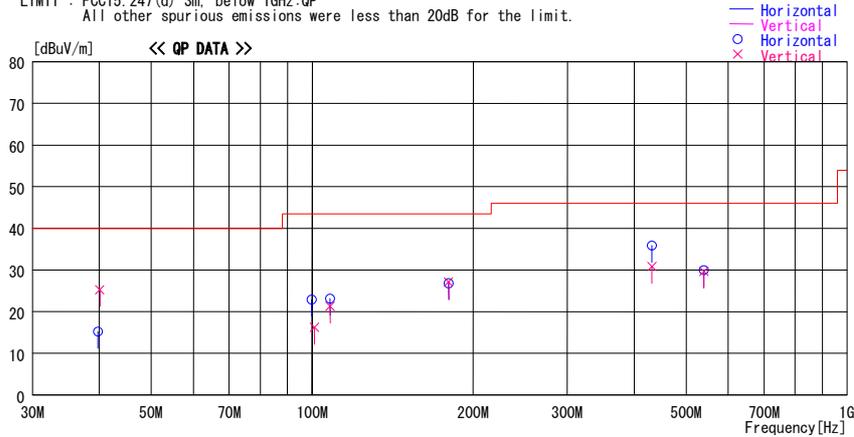
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Date : 2008/06/13

Company : Sony Computer Entertainment Inc. Report No. : 28KE0053-HO-01  
Kind of EUT : PSP Power : AC 120V / 60Hz  
Model No. : PSP-3001 Temp./Humi. : 22deg. C / 66%  
Serial No. : 03-TSP1300H-0000247-PSPXXXX Engineer : Takayuki Shimada

Mode / Remarks : WLAN 11b Tx 2462MHz 11Mbps EUT axis (H:X,V:Z) / Adaptor:ACC-155

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]
39.780	26.2	QP	13.8	-24.8	15.2	83	355	Hori.	40.0	24.8
40.084	36.4	QP	13.6	-24.7	25.3	53	100	Vert.	40.0	14.7
99.708	36.6	QP	10.1	-23.8	22.9	81	316	Hori.	43.5	20.6
101.020	29.7	QP	10.3	-23.8	16.2	160	326	Vert.	43.5	27.3
107.994	35.6	QP	11.2	-23.7	23.1	82	168	Hori.	43.5	20.4
108.000	33.8	QP	11.2	-23.7	21.3	18	349	Vert.	43.5	22.2
180.000	33.5	QP	16.5	-23.2	26.8	293	176	Hori.	43.5	16.7
180.001	33.8	QP	16.5	-23.2	27.1	12	349	Vert.	43.5	16.4
431.996	38.8	QP	18.4	-21.3	35.9	137	100	Hori.	46.0	10.1
431.996	33.7	QP	18.4	-21.3	30.8	29	143	Vert.	46.0	15.2
539.994	30.9	QP	19.7	-20.6	30.0	117	100	Hori.	46.0	16.0
539.994	30.5	QP	19.7	-20.6	29.6	47	108	Vert.	46.0	16.4

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)**  
**11b, Rx, Ch: Mid**  
**(AC Adaptor: ACC-155)**

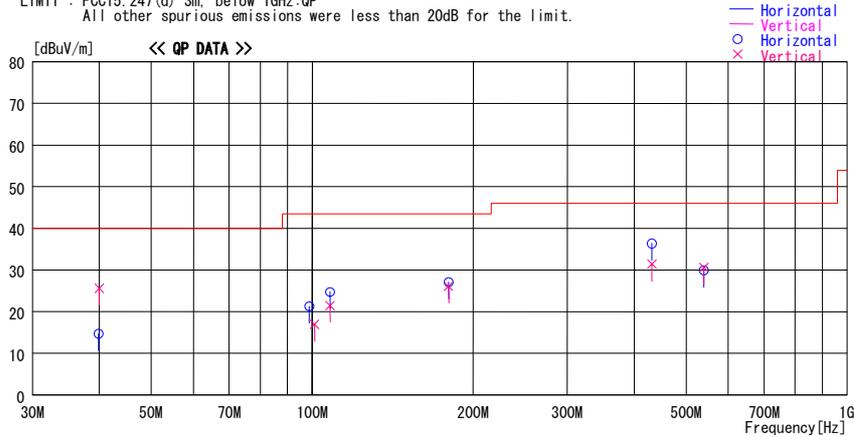
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Date : 2008/06/13

Company : Sony Computer Entertainment Inc. Report No. : 28KE0053-HO-01  
Kind of EUT : PSP Power : AC 120V / 60Hz  
Model No. : PSP-3001 Temp./Humi. : 22deg. C. / 66%  
Serial No. : 03-TSP1300H-0000247-PSPXXX Engineer : Takayuki Shimada

Mode / Remarks : WLAN 11b Rx 2437MHz EUT axis (H:X, V:Z) / Adaptor:ACC-155

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]
39.895	25.8	QP	13.7	-24.8	14.7	88	349	Hori.	40.0	25.3
40.012	36.7	QP	13.6	-24.7	25.6	83	100	Vert.	40.0	14.4
98.785	35.3	QP	9.9	-23.9	21.3	64	322	Hori.	43.5	22.2
101.032	30.4	QP	10.3	-23.8	16.9	197	348	Vert.	43.5	26.6
108.000	37.2	QP	11.2	-23.7	24.7	281	168	Hori.	43.5	18.8
108.000	34.0	QP	11.2	-23.7	21.5	5	345	Vert.	43.5	22.0
180.000	33.8	QP	16.5	-23.2	27.1	20	173	Hori.	43.5	16.4
180.001	32.8	QP	16.5	-23.2	26.1	13	353	Vert.	43.5	17.4
431.996	39.3	QP	18.4	-21.3	36.4	136	100	Hori.	46.0	9.6
431.998	34.3	QP	18.4	-21.3	31.4	44	132	Vert.	46.0	14.6
540.000	30.8	QP	19.7	-20.6	29.9	110	100	Hori.	46.0	16.1
540.001	31.5	QP	19.7	-20.6	30.6	144	100	Vert.	46.0	15.4

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)**

**11b, Tx, Ch: Low  
(AC Adaptor: ACC-155)**

UL Japan, Inc.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Regulation FCC15.247(d) / RSS-210 A8.5  
Test Distance 3m (1G-10GHz) / 1m (above 10GHz)  
Date 06/12/2008  
Temperature 23deg.C.  
Humidity 65%  
Engineer Motoya Imura

Company Sony Computer Entertainment Inc.  
Equipmen PSP  
Model PSP-3001  
S/N 03-TSP1300H-0000247-PSPXXXX  
Power AC 120V / 60Hz  
Mode 11b, Tx 2412MHz, 11Mbps(Worst)  
Position H: X-axis, V: Z-axis

**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					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	2390.0	48.3	48.7	27.0	32.2	2.8	0.0	45.9	46.3	73.9	28.0	27.6
2	2400.0	55.1	56.0	27.0	32.2	2.8	0.0	52.7	53.6	73.9	21.2	20.3
3	4824.0	42.8	42.8	30.8	30.9	3.8	0.9	47.4	47.4	73.9	26.5	26.5
4	7236.0	41.9	42.1	35.7	32.0	4.7	0.7	51.0	51.2	73.9	22.9	22.7
5	9648.0	42.6	43.7	38.2	32.4	5.7	1.0	55.1	56.2	73.9	18.8	17.7
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
6	12060.0	NS	NS	-	-	-	-	-	-	73.9	-	-
7	14472.0	NS	NS	-	-	-	-	-	-	73.9	-	-
8	16884.0	NS	NS	-	-	-	-	-	-	73.9	-	-
9	19296.0	NS	NS	-	-	-	-	-	-	73.9	-	-
10	21708.0	NS	NS	-	-	-	-	-	-	73.9	-	-
11	24120.0	41.9	42.2	38.5	31.0	8.4	0.0	48.3	48.6	73.9	25.6	25.3

**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					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	2390.0	34.8	35.7	27.0	32.2	2.8	0.0	32.4	33.3	53.9	21.5	20.6
2	2400.0	44.8	45.4	27.0	32.2	2.8	0.0	42.4	43.0	53.9	11.5	10.9
3	4824.0	30.2	28.4	30.8	30.9	3.8	0.9	34.8	33.0	53.9	19.1	20.9
4	7236.0	29.0	29.0	35.7	32.0	4.7	0.7	38.1	38.1	53.9	15.8	15.8
5	9648.0	29.5	30.5	38.2	32.4	5.7	1.0	42.0	43.0	53.9	11.9	10.9
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
6	12060.0	NS	NS	-	-	-	-	-	-	53.9	-	-
7	14472.0	NS	NS	-	-	-	-	-	-	53.9	-	-
8	16884.0	NS	NS	-	-	-	-	-	-	53.9	-	-
9	19296.0	NS	NS	-	-	-	-	-	-	53.9	-	-
10	21708.0	NS	NS	-	-	-	-	-	-	53.9	-	-
11	24120.0	29.2	29.4	38.5	31.0	8.4	0.0	35.6	35.8	53.9	18.3	18.1

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 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.
- \*NS: Non Signal

**UL Japan, Inc.**  
**Head Office EMC Lab.**  
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Telephone : +81 596 24 8116  
Facsimile : +81 596 24 8124

**Radiated Spurious Emission (above 1GHz)**

**11b, Tx, Ch: Mid  
(AC Adaptor: ACC-155)**

Company Sony Computer Entertainment Inc.  
Equipmen PSP  
Model PSP-3001  
S/N 03-TSP1300H-0000247-PSPXXXX  
Power AC 120V / 60Hz  
Mode 11b, Tx 2437MHz, 11Mbps(Worst)  
Position H: X-axis, V: Z-axis

UL Japan, Inc.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Regulation FCC15.247(d) / RSS-210 A8.5  
Test Distance 3m (1G-10GHz) / 1m (above 10GHz)  
Date 06/12/2008  
Temperature 23deg.C.  
Humidity 65%  
Engineer Motoya Imura

**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
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	4874.0	43.2	44.9	31.0	30.9	3.8	0.9	48.0	49.7	73.9	25.9	24.2
2	7311.0	42.1	41.7	35.9	32.1	4.7	0.7	51.3	50.9	73.9	22.6	23.0
3	9748.0	42.3	43.2	38.3	32.4	5.8	1.0	55.0	55.9	73.9	18.9	18.0
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
4	12185.0	NS	NS	-	-	-	-	-	-	73.9	-	-
5	14622.0	NS	NS	-	-	-	-	-	-	73.9	-	-
6	17059.0	NS	NS	-	-	-	-	-	-	73.9	-	-
7	19496.0	NS	NS	-	-	-	-	-	-	73.9	-	-
8	21933.0	NS	NS	-	-	-	-	-	-	73.9	-	-
9	24370.0	43.7	43.2	38.6	31.0	8.5	0.0	50.3	49.8	73.9	23.6	24.1

**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
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	4874.0	30.1	30.6	31.0	30.9	3.8	0.9	34.9	35.4	53.9	19.0	18.5
2	7311.0	28.7	29.1	35.9	32.1	4.7	0.7	37.9	38.3	53.9	16.0	15.6
3	9748.0	30.2	30.8	38.3	32.4	5.8	1.0	42.9	43.5	53.9	11.0	10.4
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
4	12185.0	NS	NS	-	-	-	-	-	-	53.9	-	-
5	14622.0	NS	NS	-	-	-	-	-	-	53.9	-	-
6	17059.0	NS	NS	-	-	-	-	-	-	53.9	-	-
7	19496.0	NS	NS	-	-	-	-	-	-	53.9	-	-
8	21933.0	NS	NS	-	-	-	-	-	-	53.9	-	-
9	24370.0	30.4	30.4	38.6	31.0	8.5	0.0	37.0	37.0	53.9	16.9	16.9

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 test result is round off to one or two decimal places, so some differences might be observed.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.  
\*NS: Non Signal

**Radiated Spurious Emission (above 1GHz)**

**11b, Tx, Ch: High  
(AC Adaptor: ACC-155)**

Company Sony Computer Entertainment Inc.  
Equipmen PSP  
Model PSP-3001  
S/N 03-TSP1300H-0000247-PSPXXXX  
Power AC 120V / 60Hz  
Mode 11b, Tx 2462MHz, 11Mbps(Worst)  
Position H: X-axis, V: Z-axis

UL Japan, Inc.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber  
Regulation FCC15.247(d) / RSS-210 A8.5  
Test Distance 3m (1G-10GHz) / 1m (above 10GHz)  
Date 06/12/2008  
Temperature 23deg.C.  
Humidity 65%  
Engineer Motoya Imura

**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]		[dB]									
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	2483.5	49.0	49.3	27.2	32.0	2.8	0.0	47.0	47.3	73.9	26.9	26.6	
2	4924.0	48.0	45.1	31.1	30.9	3.8	0.9	52.9	50.0	73.9	21.0	23.9	
3	7386.0	42.2	42.4	36.0	32.1	4.7	0.7	51.5	51.7	73.9	22.4	22.2	
4	9848.0	41.7	41.5	38.3	32.4	5.9	1.0	54.5	54.3	73.9	19.4	19.6	
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>													
5	12310.0	NS	NS	-	-	-	-	-	-	73.9	-	-	
6	14772.0	NS	NS	-	-	-	-	-	-	73.9	-	-	
7	17234.0	NS	NS	-	-	-	-	-	-	73.9	-	-	
8	19696.0	NS	NS	-	-	-	-	-	-	73.9	-	-	
9	22158.0	NS	NS	-	-	-	-	-	-	73.9	-	-	
10	24620.0	42.6	42.4	38.8	31.0	8.5	0.0	49.4	49.2	73.9	24.5	24.7	

**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]		[dB]									
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>													
1	2483.5	37.0	36.8	27.2	32.0	2.8	0.0	35.0	34.8	53.9	18.9	19.1	
2	4924.0	35.8	32.6	31.1	30.9	3.8	0.9	40.7	37.5	53.9	13.2	16.4	
3	7386.0	28.5	28.9	36.0	32.1	4.7	0.7	37.8	38.2	53.9	16.1	15.7	
4	9848.0	28.4	30.2	38.3	32.4	5.9	1.0	41.2	43.0	53.9	12.7	10.9	
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>													
5	12310.0	NS	NS	-	-	-	-	-	-	53.9	-	-	
6	14772.0	NS	NS	-	-	-	-	-	-	53.9	-	-	
7	17234.0	NS	NS	-	-	-	-	-	-	53.9	-	-	
8	19696.0	NS	NS	-	-	-	-	-	-	53.9	-	-	
9	22158.0	NS	NS	-	-	-	-	-	-	53.9	-	-	
10	24620.0	29.7	29.7	38.8	31.0	8.5	0.0	36.5	36.5	53.9	17.4	17.4	

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 test result is round off to one or two decimal places, so some differences might be observed.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.  
\*NS: Non Signal

**Radiated Spurious Emission (above 1GHz)**

**11b, Rx, Ch: Mid  
(AC Adaptor: ACC-155)**

Company	Sony Computer Entertainment Inc.	UL Japan, Inc.
Equipmen	PSP	Head Office EMC Lab. No.4 Semi Anechoic Chamber
Model	PSP-3001	Regulation FCC15.109 / RSS-Gen 7.2.1 and 7.2.3
S/N	03-TSP1300H-0000247-PSPXXXX	Test Distance 3m
Power	AC 120V / 60Hz	Date 06/12/2008
Mode	11b, Rx 2437MHz	Temperature 23deg.C.
Position	H: X-axis, V: Z-axis	Humidity 65%
		Engineer Motoya Imura

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

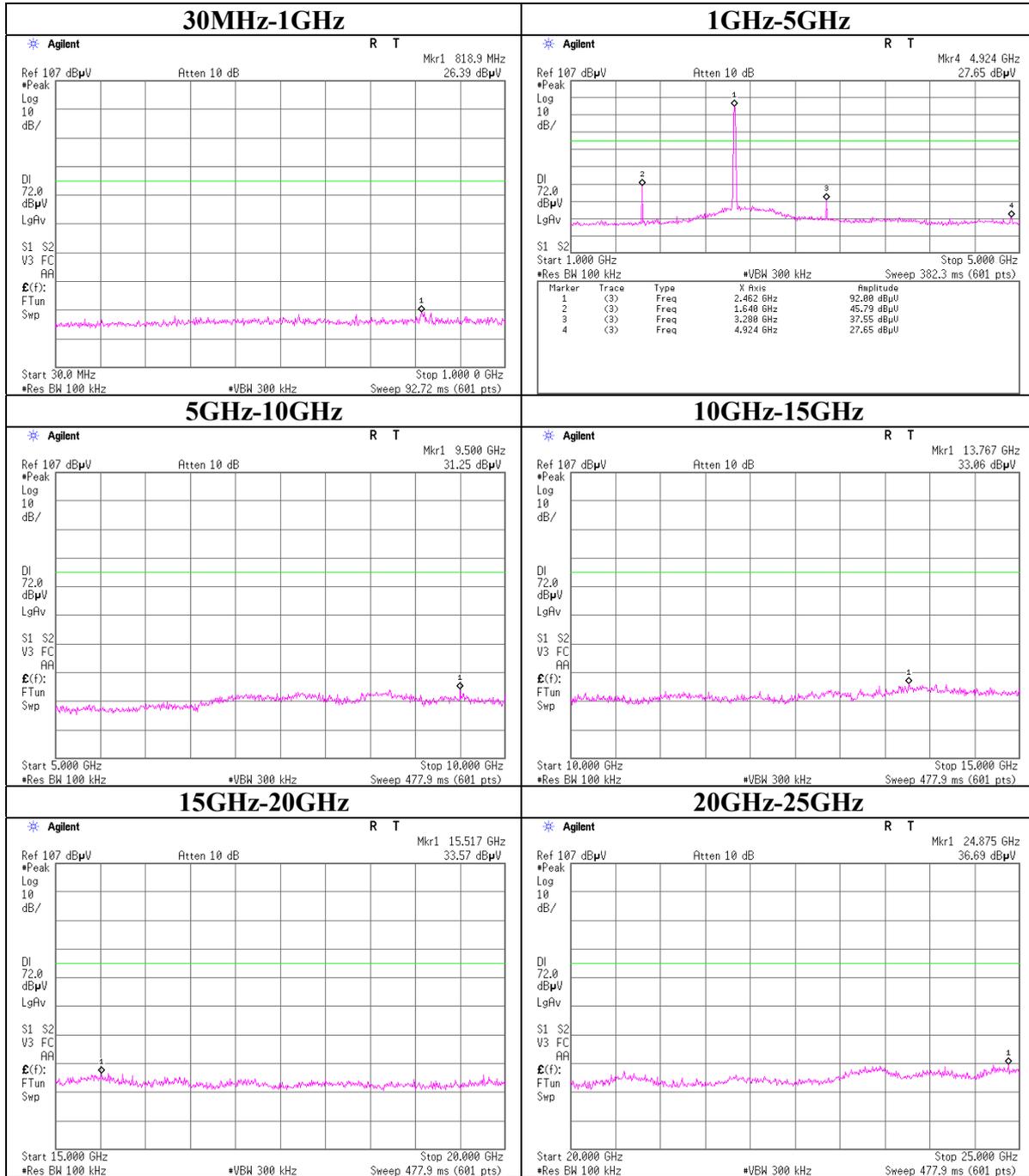
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2437.0	42.4	42.0	27.1	32.0	2.8	0.0	40.3	39.9	73.9	33.6	34.0
2	4874.0	41.7	41.4	31.0	30.9	3.5	0.0	45.3	45.0	73.9	28.6	28.9
3	7311.0	42.5	42.4	35.9	32.1	4.3	0.0	50.6	50.5	73.9	23.3	23.4
4	9748.0	42.6	42.7	38.3	32.4	5.2	0.0	53.7	53.8	73.9	20.2	20.1

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

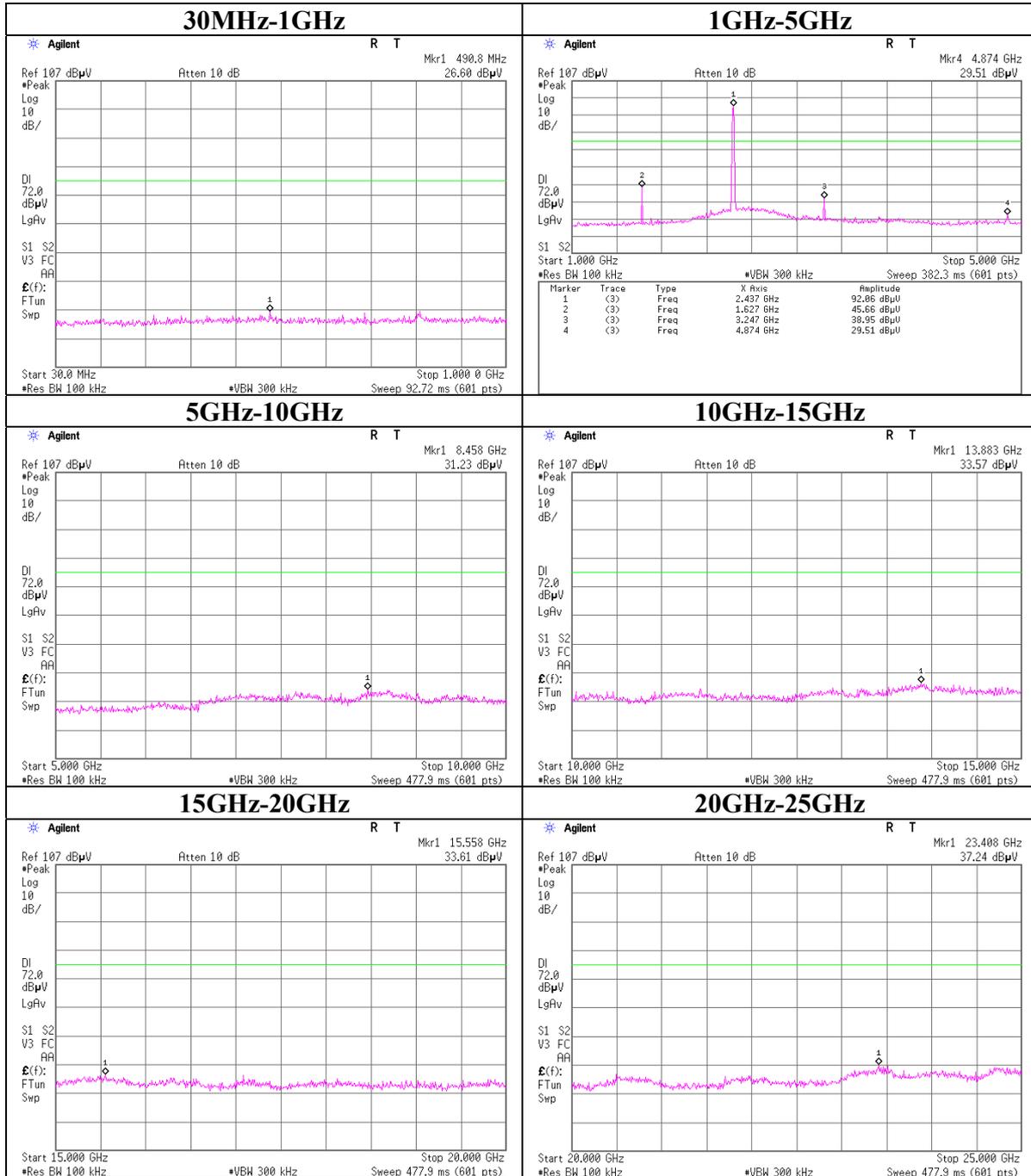
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2437.0	29.8	29.8	27.1	32.0	2.8	0.0	27.7	27.7	53.9	26.2	26.2
2	4874.0	29.3	29.1	31.0	30.9	3.5	0.0	32.9	32.7	53.9	21.0	21.2
3	7311.0	29.9	29.8	35.9	32.1	4.3	0.0	38.0	37.9	53.9	15.9	16.0
4	9748.0	29.4	30.1	38.3	32.4	5.2	0.0	40.5	41.2	53.9	13.4	12.7

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

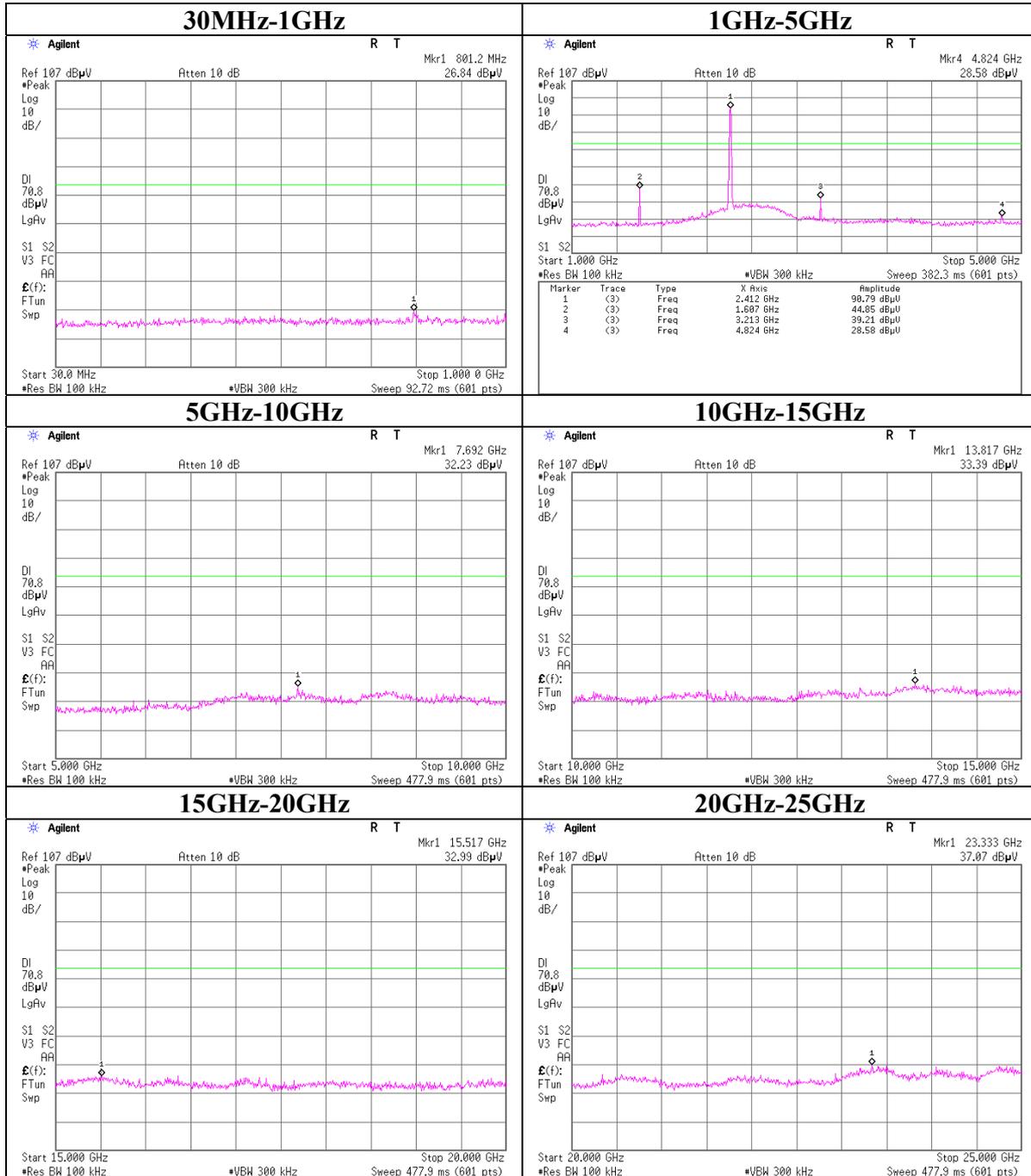
**Conducted Spurious Emission**  
**11b, Tx, Ch: Low**



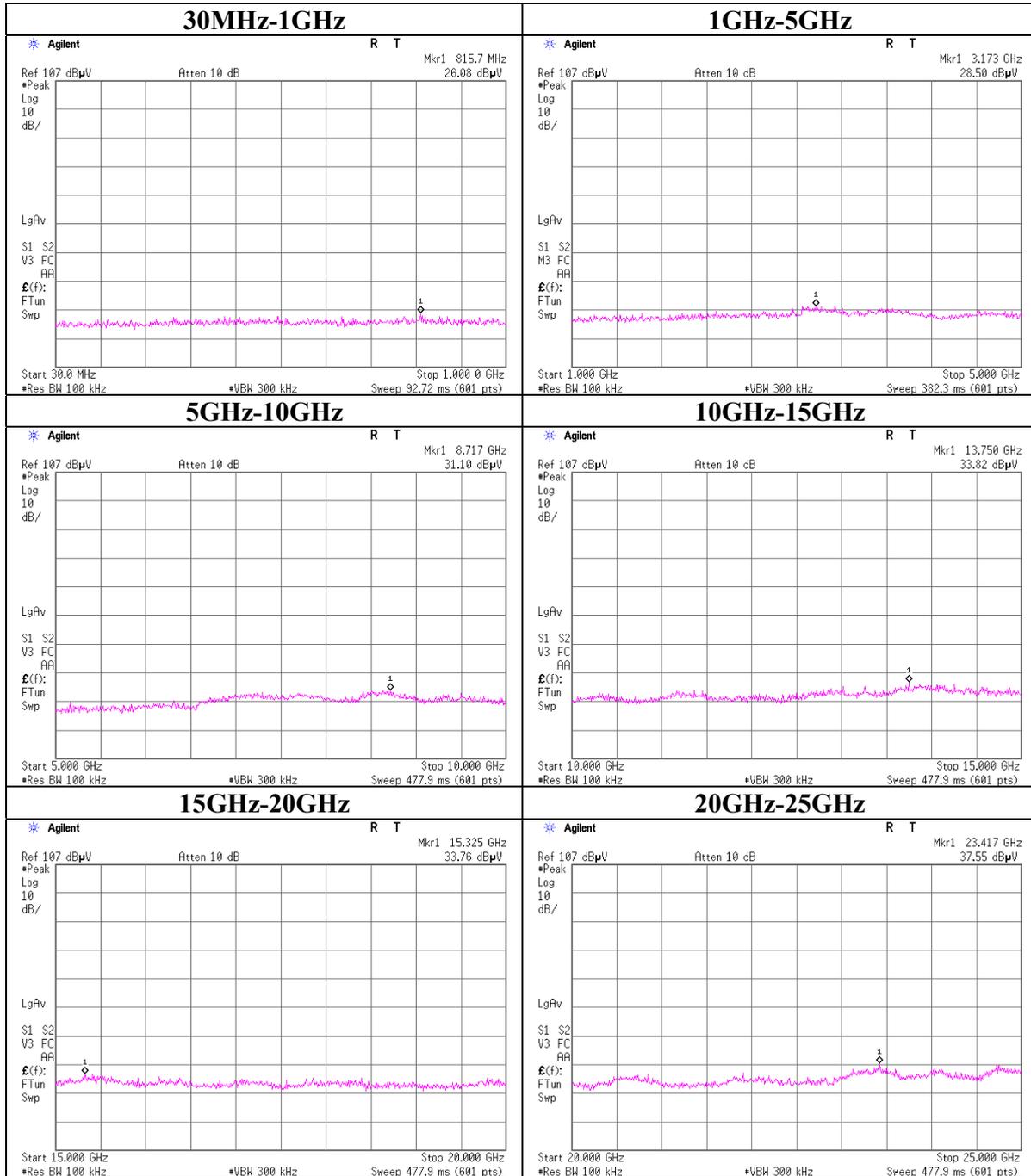
**Conducted Spurious Emission**  
**11b, Tx, Ch: Mid**



**Conducted Spurious Emission**  
**11b, Tx, Ch: High**

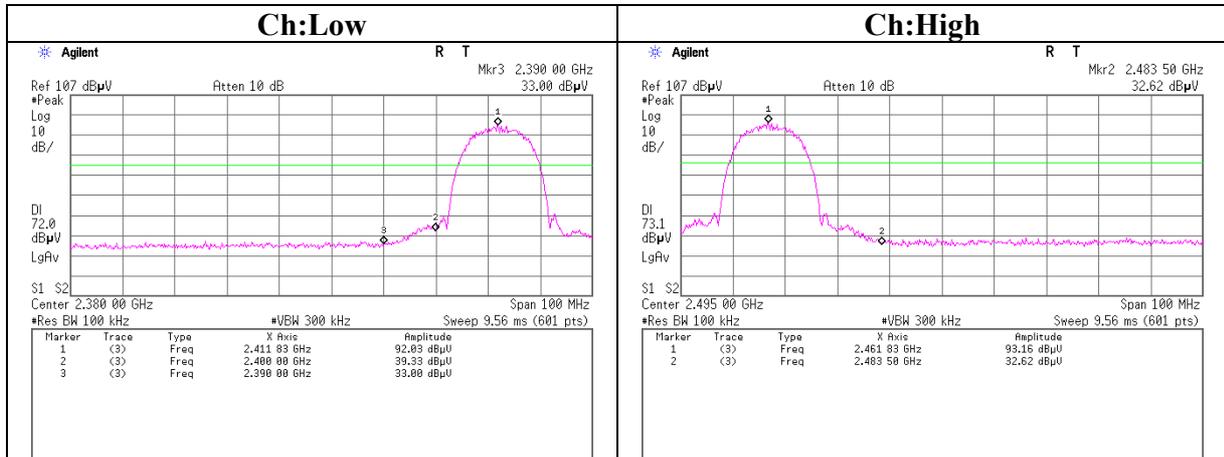


**Conducted Spurious Emission**  
**Rx, Ch: Mid**



**Conducted emission Band Edge compliance**

**11b**



### Power Density

Company	Sony Computer Entertainment Inc.	Regulation	FCC Part15 Subpart C 15.247(a)(2) / RSS-210 A8.1(a)
Equipment	PSP	Test Distance	-
Model	PSP-3001	Date	06/09/2008
S/N	03-TSP1300H-0000238-PSPXXXX	Temperature	24 deg.C.
Power	AC 120V / 60Hz	Humidity	67 %
Mode	11b, Tx, 11Mbps	Engineer	Kazufumi Nakai

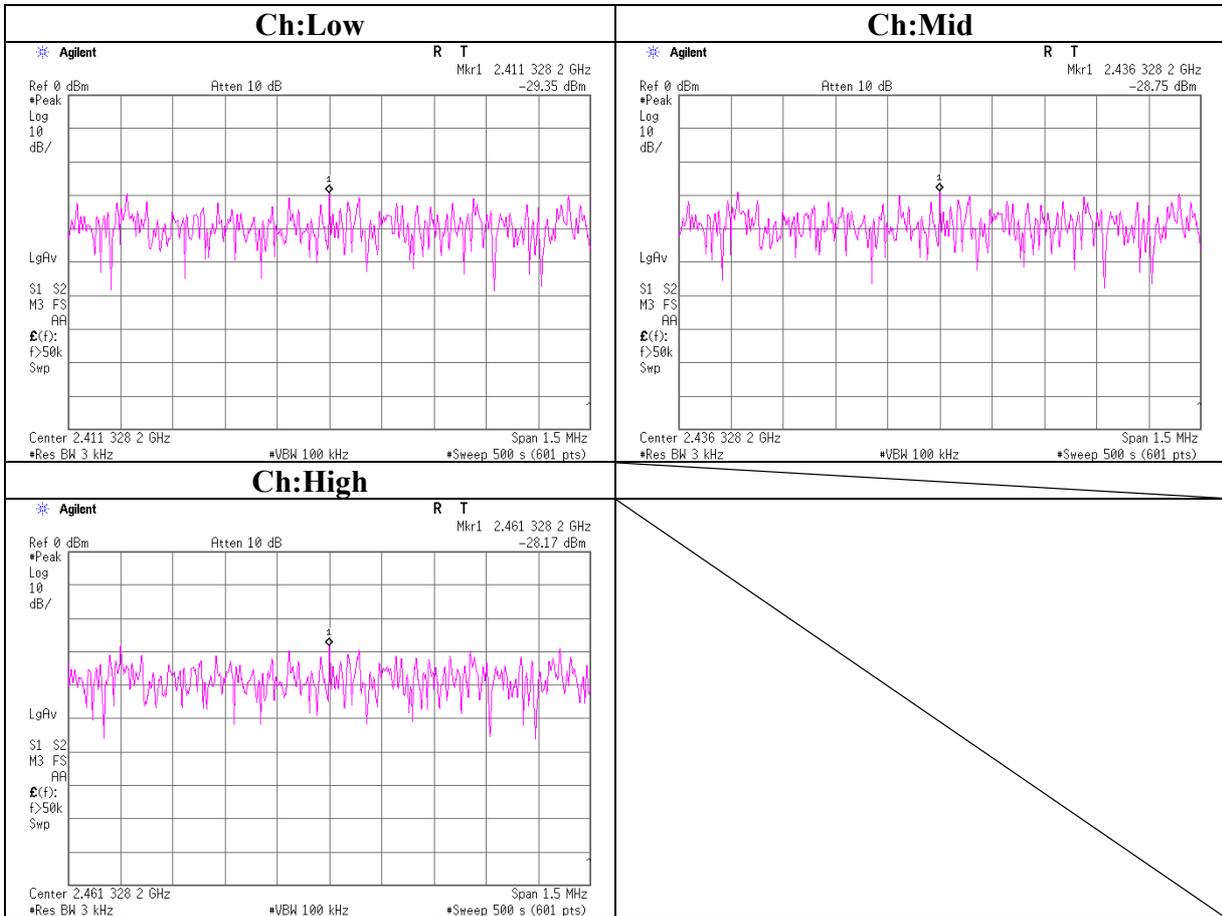
UL Japan, Inc  
Head Office EMC Lab. No.4 Preparation room

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2411.3	-29.35	2.48	10.22	-16.65	8.00	24.65
Mid	2436.3	-28.75	2.48	10.22	-16.05	8.00	24.05
High	2461.3	-28.17	2.49	10.22	-15.46	8.00	23.46

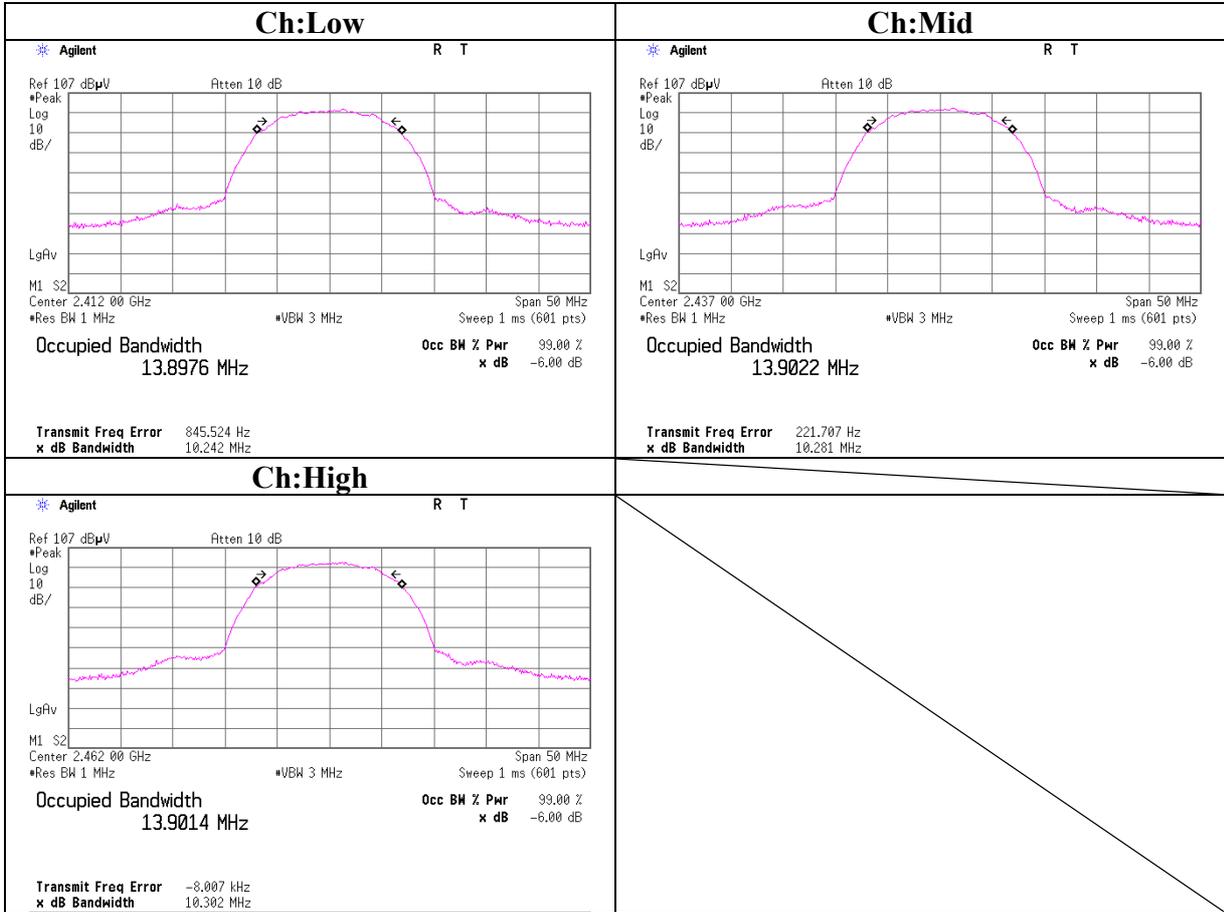
Sample Calculation:

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

**Power Density**  
**11b**



**99% Occupied Bandwidth**  
**11b**



### **APPENDIX 3:Test instruments**

#### **EMI test equipment**

<b>Control No.</b>	<b>Instrument</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Test Item</b>	<b>Calibration Date * Interval(month)</b>
MPM-09	Power Meter	Anritsu	ML2495A	AT	2007/09/22 * 12
MPSE-12	Power Meter	Anritsu	MA2411B	AT	2007/09/22 * 12
MRENT-67	Spectrum Analyzer	Agilent	E4448A	AT	2008/04/02 * 12
MAT-20	Attenuator(10dB)(above1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	AT	2008/01/09 * 12
MCC-67	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2008/04/04 * 12
MOS-23	Thermo-Hygrometer	Custom	CTH-201	AT	2007/12/27 * 12
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/CE	2008/03/27 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE/CE	2008/01/10 * 12
MJM-07	Measure	PROMART	SEN1955	RE/CE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MSA-05	Spectrum Analyzer	Advantest	R3273	RE/CE	2007/06/01 * 12
MHA-21	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2007/08/16 * 12
MCC-57	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2008/03/05 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	RE	2008/03/13 * 12
MHA-17	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2008/04/30 * 12
MCC-79	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MHF-20	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCC	RE	2007/12/10 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2008/02/20 * 12
MLS-10	LISN	Kyoritsu	KNW-407	CE (AE)	2007/12/12 * 12
MTR-07	Test Receiver	Rohde & Schwarz	ESCI	RE/CE	2007/09/14 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	RE	2008/01/12 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2008/01/12 * 12
MCC-50	Coaxial cable	UL Japan	-	RE	2008/03/17 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	RE	2008/03/10 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2008/03/06 * 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**