

APPENDIX 2: Data of EMI test

Conducted Emission
Tx, Ch: Low

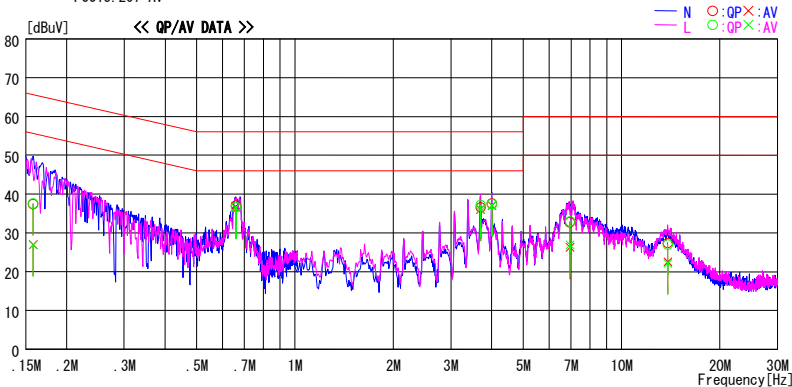
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/10/03

Company : Sony Computer Entertainment Inc. Report No. : 29AE0044-HO-01
Kind of EUT : Testing Tool Power : AC120V / 60Hz
Model No. : DTP-H1500A B Temp./Humi. : 25deg. C / 59%
Serial No. : SJ0016664 Operator : Tomotaka Sasagawa

Mode / Remarks : WLAN 11b Tx 2412MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.15783	37.2	26.8	0.2	37.4	27.0	65.6	55.6	28.2	28.6	N
0.65895	36.7	36.4	0.3	37.0	36.7	56.0	46.0	19.0	9.3	N
3.70099	36.0	35.4	0.6	36.6	36.0	56.0	46.0	19.4	10.0	N
4.00937	37.0	36.4	0.6	37.6	37.0	56.0	46.0	18.4	9.0	N
6.94802	31.9	25.4	0.8	32.7	26.2	60.0	50.0	27.3	23.8	N
13.85976	28.1	21.2	1.3	27.4	22.5	60.0	50.0	32.6	27.5	N
0.15783	37.4	26.7	0.2	37.6	26.9	65.6	55.6	28.0	28.7	L
0.65895	36.4	36.2	0.3	36.7	36.5	56.0	46.0	19.3	9.5	L
3.70099	36.6	35.5	0.6	37.2	36.1	56.0	46.0	18.8	9.9	L
4.00937	36.9	36.5	0.6	37.5	37.1	56.0	46.0	18.6	8.9	L
6.95709	32.2	26.1	0.8	33.0	26.9	60.0	50.0	27.0	23.1	L
13.85976	25.7	20.8	1.3	27.0	22.1	60.0	50.0	33.0	27.9	L

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuA]=READING[dBuV]+C.F[dB] (Probe factor+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.

Conducted Emission

Tx, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

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

Date : 2008/10/03

Company : Sony Computer Entertainment Inc.

Kind of EUT : Testing Tool

Model No. : DTP-H1500A B

Serial No. : SJO016664

Report No. : 29AE0044-HO-01

Power : AC120V / 60Hz

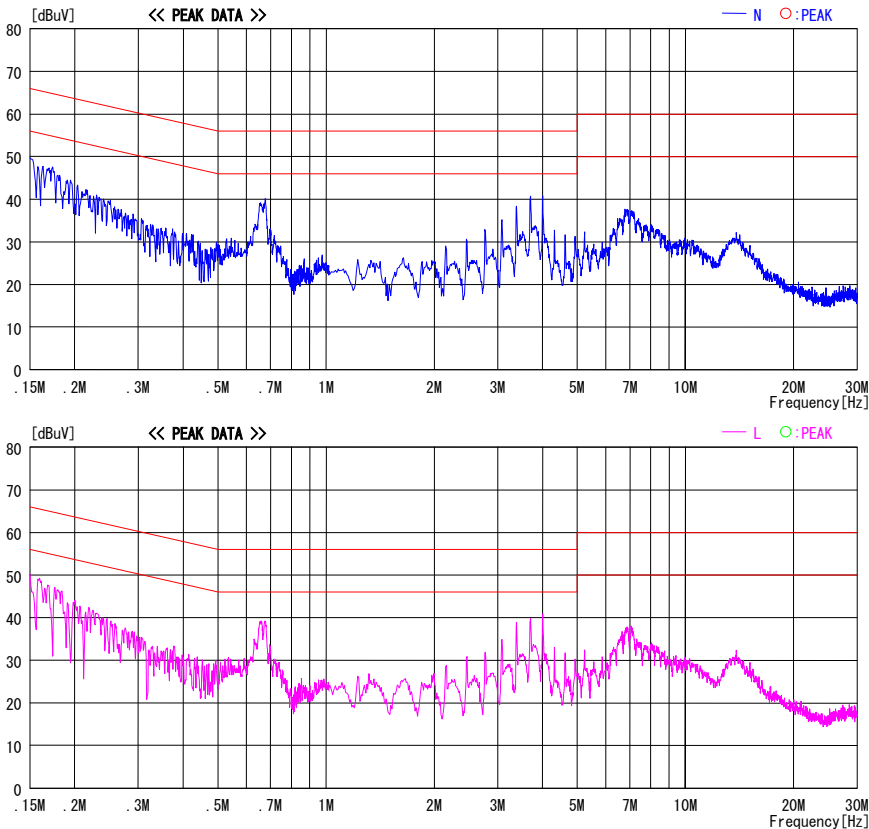
Temp./Humi. : 25deg. C / 59%

Operator : Tomotaka Sasagawa

Mode / Remarks : WLAN 11b Tx 2437MHz

LIMIT : FCC15. 207 QP

FCC15. 207 AV



Conducted Emission

Tx, Ch: High

DATA OF CONDUCTED EMISSION TEST

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

Date : 2008/10/03

Company : Sony Computer Entertainment Inc.

Kind of EUT : Testing Tool

Model No. : DTP-H1500A B

Serial No. : SJO016664

Report No. : 29AE0044-HO-01

Power : AC120V / 60Hz

Temp./Humi. : 25deg. C / 59%

Operator : Tomotaka Sasagawa

Mode / Remarks : WLAN 11b Tx 2462MHz

LIMIT : FCC15. 207 QP

FCC15. 207 AV

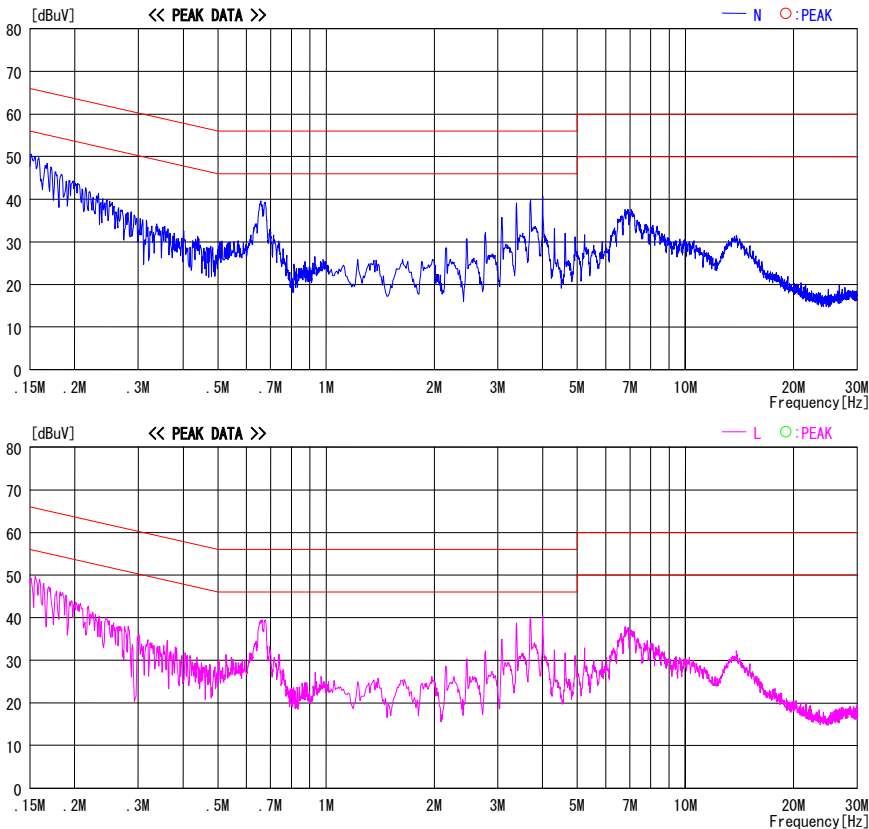


CHART:WITH FACTOR, Peak hold data. CALCURATION:RESULT[dBuA]=READING[dBuV]+C.F[dB] (Probe factor+CABLE LOSS)

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

Conducted Emission
Rx, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

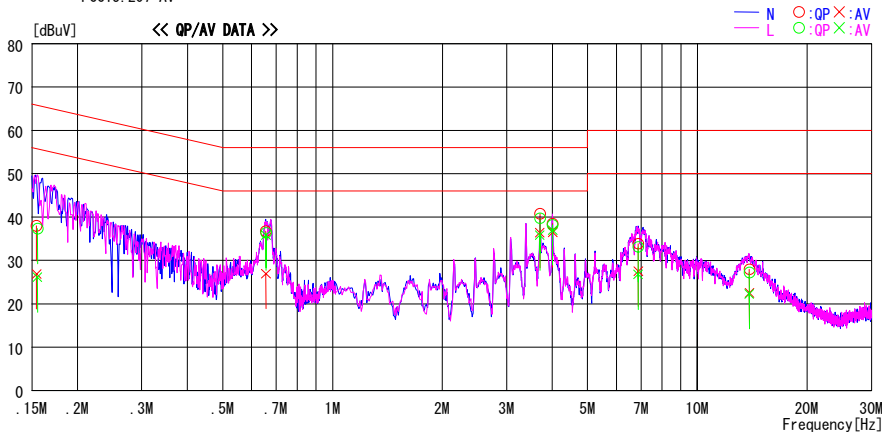
UL Japan, Inc. Head Office EMC Lab. No. 3 Semi Anechoic Chamber
Date : 2008/10/03

Company : Sony Computer Entertainment Inc.
Kind of EUT : Testing Tool
Model No. : DTP-H1500A B
Serial No. : SJ0016664

Report No. : 29AE0044-HO-01
Power : AC120V / 60Hz
Temp./Humi. : 25deg. C / 59%
Operator : Tomotaka Sasagawa

Mode / Remarks : WLAN 11b Rx 2437MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.15435	37.8	26.7	0.2	38.0	26.9	65.8	55.8	27.8	28.9	N
0.65634	36.5	26.7	0.3	36.8	27.0	56.0	46.0	19.2	19.0	N
3.70099	40.2	35.8	0.6	40.8	36.4	56.0	46.0	15.2	9.6	N
4.00937	37.9	35.9	0.6	38.5	36.5	56.0	46.0	17.5	9.5	N
6.88453	33.1	26.7	0.8	33.9	27.5	60.0	50.0	26.1	22.5	N
13.89986	26.7	21.2	1.3	28.0	22.5	60.0	50.0	32.0	27.5	N
0.15522	37.2	26.0	0.2	37.4	26.2	65.7	55.7	28.3	29.5	L
0.65721	36.1	35.5	0.3	36.4	35.8	56.0	46.0	19.6	10.2	L
3.70099	39.2	35.2	0.6	39.8	35.8	56.0	46.0	16.2	10.2	L
4.00937	37.6	36.4	0.6	38.2	37.0	56.0	46.0	17.8	9.0	L
6.87546	32.3	26.0	0.8	33.1	26.8	60.0	50.0	26.9	23.2	L
13.87981	26.0	21.0	1.3	27.3	22.3	60.0	50.0	32.7	27.7	L

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuA] = READING [dBuV] + C.F [dB] (Probe factor + 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.

6dB Bandwidth

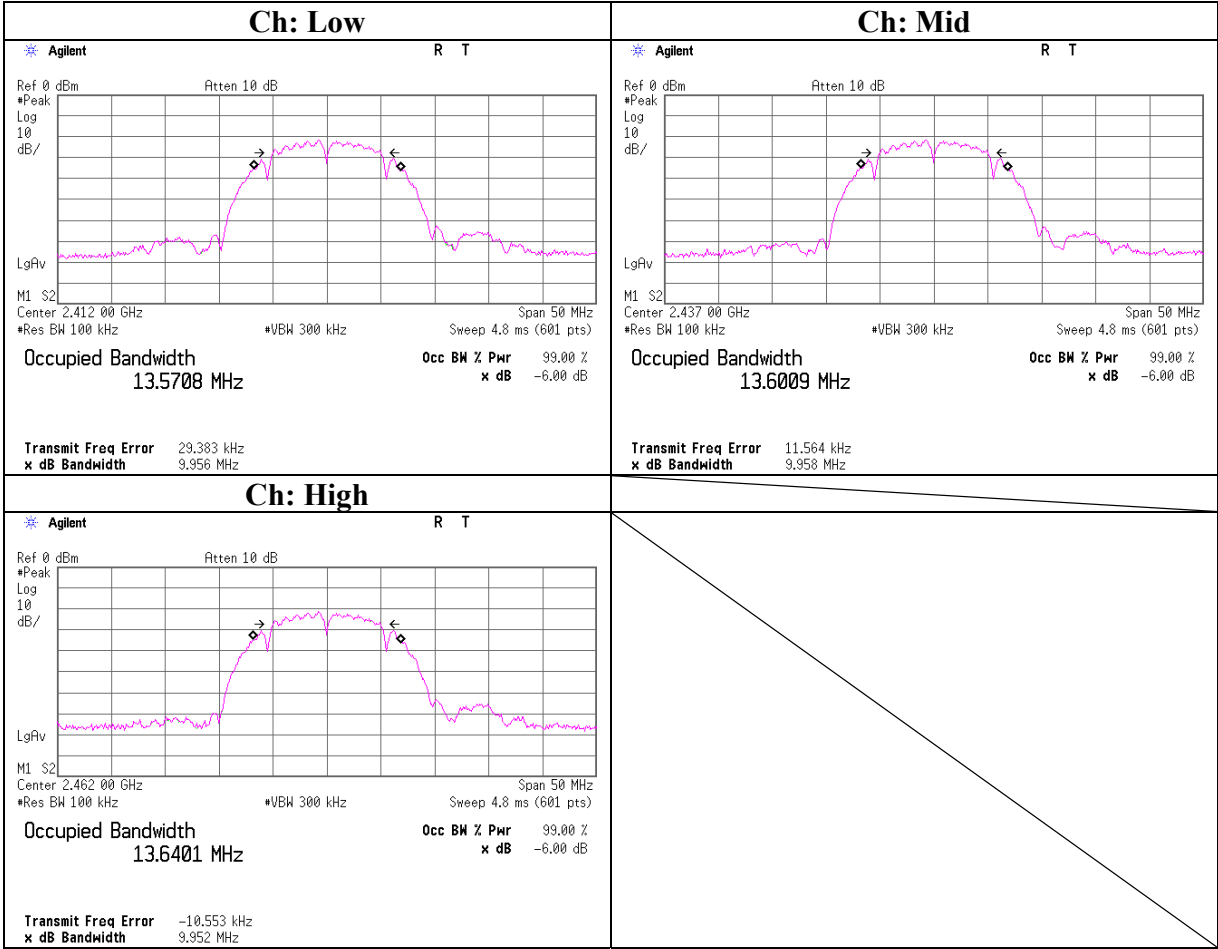
UL Japan, Inc.
Head Office EMC Lab. No.4 Shielded Room

Company : Sony Computer Entertainment Inc.
Equipment : Testing Tool
Model No. : DTP-H1500A B
Serial No. : SJ0016666
Power : AC120V/60Hz
Mode : IEEE802.11b, 2Mbps, Tx (Ch L, M, H)

Test Report No. : 29AE0044-HO-01
Regulation : FCC15.247(a)(2)/RSS-210A8.2(a)
Test distance : -
Date : 08/19/2008
Temperature : 25°C
Humidity : 59%
Engineer : Takumi Shimada

Ch	Freq.	6dB Bandwidth	Limit
	[MHz]	[MHz]	[kHz]
Low	2412.0	9.956	>500
Mid	2437.0	9.958	>500
High	2462.0	9.952	>500

6dB Bandwidth



Maximum Peak Output Power

UL Japan, Inc.
Head Office EMC Lab. No.4 Shielded Room

Company	: Sony Computer Entertainment Inc.	Test Report No.	: 29AE0044-HO-01
Equipment	: Testing Tool	Regulation	: FCC15.247(b)(3)/RSS-210A8.4(4)
Model No.	: DTP-H1500A B	Test distance	: -
Serial No.	: SJ0016666	Date	: 08/18/2008
Power	: AC120V/60Hz	Temperature	: 24deg.C.
Mode	: IEEE802.11b Tx (Ch L, M, H)	Humidity	: 62%
		Engineer	: Takumi Shimada

IEEE802.11b 2.0Mbps(worst)

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin
					[dBm]	[mW]	[dBm]	[mW]	[dB]
Low	2412.0	-7.62	1.10	10.04	3.52	2.25	30.00	1000	26.48
Mid	2437.0	-7.48	1.10	10.04	3.66	2.32	30.00	1000	26.34
High	2462.0	-7.41	1.10	10.04	3.73	2.36	30.00	1000	26.27

Rate Check

IEEE802.11b

Rate	Freq.	P/M	Cable	Atten.	Result		Limit		Margin
[Mbps]	[MHz]	Reading [dBm]	Loss [dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
1.0	2437.0	-7.98	1.10	10.04	3.16	2.07	30.00	1000	26.84
2.0	2437.0	-7.48	1.10	10.04	3.66	2.32	30.00	1000	26.34
5.5	2437.0	-8.52	1.10	10.04	2.62	1.83	30.00	1000	27.38
11	2437.0	-7.49	1.10	10.04	3.65	2.32	30.00	1000	26.35

Sample Calculation:

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

Radiated Spurious Emission (below 1GHz)

Tx, Ch: Low

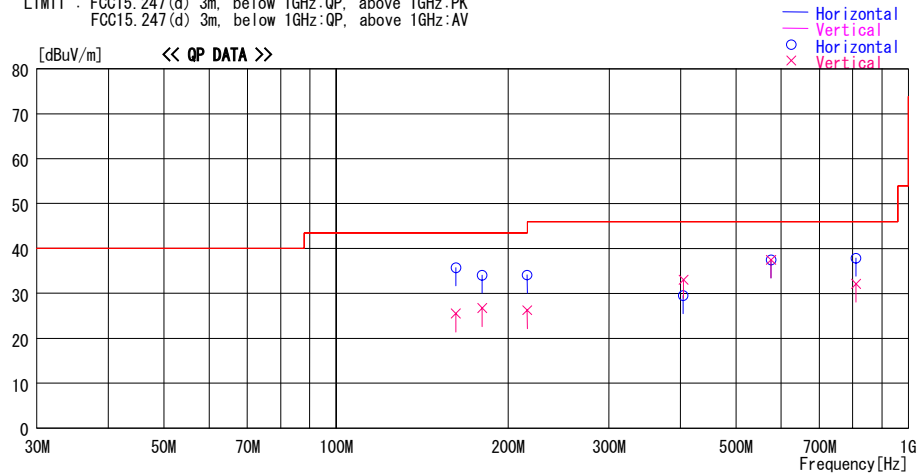
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/10/02

Company : Sony Computer Entertainment Inc. Report No. : 29AE0044-HO-01
Kind of EUT : Testing Tool Power : AC 120V / 60Hz
Model No. : DTP-H1500A B Temp./Humi. : 23deg. C. / 57%
Serial No. : SJ0016664 Engineer : Tomotaka Sasagawa

Mode / Remarks : WLAN 11b Tx 2412MHz Antenna(Hor:90deg, Ver:180deg)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	Margin	Comment
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]	
161.994	43.4	QP	15.5	-23.2	35.7	324	234	Hori.	43.5	7.8	
162.030	33.2	QP	15.5	-23.2	25.5	357	100	Vert.	43.5	18.0	
180.010	40.8	QP	16.4	-23.2	34.0	287	100	Hori.	43.5	9.5	
180.120	33.5	QP	16.4	-23.2	26.7	76	100	Vert.	43.5	16.8	
215.887	40.6	QP	16.3	-22.8	34.1	89	100	Hori.	43.5	9.4	
215.778	32.7	QP	16.3	-22.8	26.2	358	100	Vert.	43.5	17.3	
404.302	33.4	QP	17.4	-21.3	29.5	216	100	Hori.	46.0	16.5	
405.014	36.9	QP	17.4	-21.3	33.0	151	100	Vert.	46.0	13.0	
575.805	38.8	QP	19.0	-20.3	37.5	359	126	Hori.	46.0	8.5	
576.009	38.8	QP	19.0	-20.3	37.5	292	100	Vert.	46.0	8.5	
810.309	34.5	QP	21.8	-18.5	37.8	337	100	Hori.	46.0	8.2	
810.309	28.8	QP	21.8	-18.5	32.1	312	100	Vert.	46.0	13.9	

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.

UL Japan, Inc.

Head Office EMC Lab.

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

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Radiated Spurious Emission (below 1GHz)

Tx, Ch: Mid

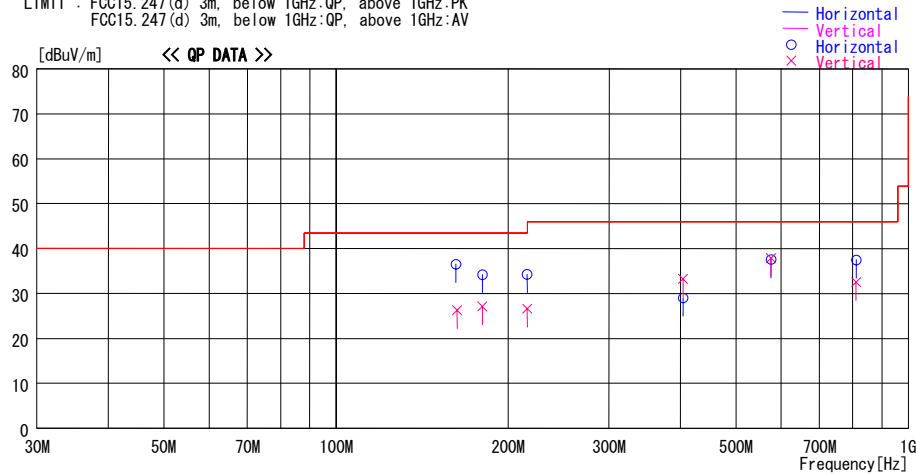
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/10/02

Company : Sony Computer Entertainment Inc. Report No. : 29AE0044-HO-01
Kind of EUT : Testing Tool Power : AC 120V / 60Hz
Model No. : DTP-H1500A B Temp./Humi. : 23deg. C / 57%
Serial No. : SJ0016664 Engineer : Tomotaka Sasagawa

Mode / Remarks : WLAN 11b Tx 2437MHz Antenna(Hor:90deg, Ver:180deg)

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



Frequency	Reading	DET	Antenna Factor	Loss & Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
161.998	44.2	QP	15.5	-23.2	36.5	221	221	Hori.	43.5	7.0	
162.772	34.0	QP	15.5	-23.2	26.3	0	100	Vert.	43.5	17.2	
180.334	41.0	QP	16.4	-23.2	34.2	288	100	Hori.	43.5	9.3	
180.222	33.9	QP	16.4	-23.2	27.1	72	100	Vert.	43.5	16.4	
215.778	40.8	QP	16.3	-22.8	34.3	102	100	Hori.	43.5	9.2	
215.774	33.1	QP	16.3	-22.8	26.6	28	100	Vert.	43.5	16.9	
404.330	32.9	QP	17.4	-21.3	29.0	222	100	Hori.	46.0	17.0	
404.121	37.2	QP	17.4	-21.3	33.3	151	100	Vert.	46.0	12.7	
575.432	38.9	QP	19.0	-20.3	37.6	0	126	Hori.	46.0	8.4	
575.998	39.2	QP	19.0	-20.3	37.9	287	100	Vert.	46.0	8.1	
810.992	34.2	QP	21.8	-18.5	37.5	322	100	Hori.	46.0	8.5	
810.221	29.2	QP	21.8	-18.5	32.5	310	100	Vert.	46.0	13.5	

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)

Tx, Ch: High

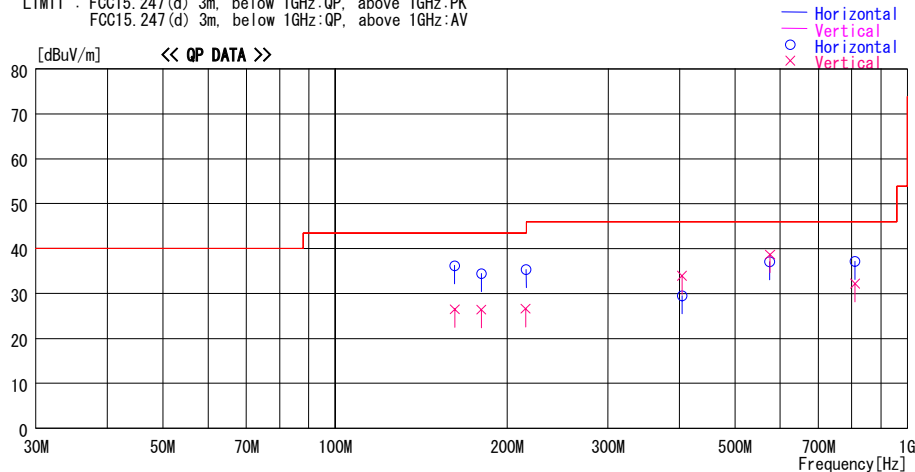
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/10/02

Company : Sony Computer Entertainment Inc. Report No. : 29AE0044-HO-01
Kind of EUT : Testing Tool Power : AC 120V / 60Hz
Model No. : DTP-H1500A B Temp./Humi. : 23deg. C / 57%
Serial No. : SJ0016664 Engineer : Tomotaka Sasagawa

Mode / Remarks : WLAN 11b Tx 2462MHz Antenna(Hor:90deg, Ver:180deg)

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



Frequency	Reading	DET	Antenna Factor	Loss & Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
161.887	43.9	QP	15.5	-23.2	36.2	233	122	Hori.	43.5	7.3	
162.002	34.2	QP	15.5	-23.2	26.5	122	100	Vert.	43.5	17.0	
180.335	41.2	QP	16.4	-23.2	34.4	211	100	Hori.	43.5	9.1	
180.221	33.2	QP	16.4	-23.2	26.4	100	100	Vert.	43.5	17.1	
215.776	41.8	QP	16.3	-22.8	35.3	134	100	Hori.	43.5	8.2	
215.332	33.1	QP	16.3	-22.8	26.6	87	100	Vert.	43.5	16.9	
404.501	33.4	QP	17.4	-21.3	29.5	212	100	Hori.	46.0	16.5	
404.224	37.8	QP	17.4	-21.3	33.9	149	100	Vert.	46.0	12.1	
575.221	38.4	QP	19.0	-20.3	37.1	20	126	Hori.	46.0	8.9	
575.880	40.0	QP	19.0	-20.3	38.7	288	100	Vert.	46.0	7.3	
810.776	33.9	QP	21.8	-18.5	37.2	312	100	Hori.	46.0	8.8	
810.443	28.9	QP	21.8	-18.5	32.2	309	100	Vert.	46.0	13.8	

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.

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Radiated Spurious Emission (below 1GHz)

Rx, Ch: Mid

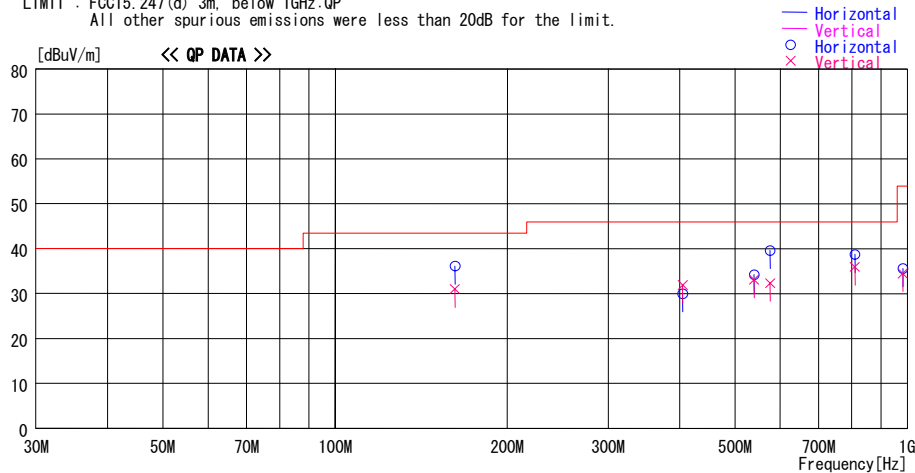
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2008/10/01

Company : Sony Computer Entertainment Inc. Report No. : 29AE0044-HO-01
Kind of EUT : Testing Tool Power : AC 120V / 60Hz
Model No. : DTP-H1500A B Temp./Humi. : 24deg. C. / 68%
Serial No. : SJ0016664 Engineer : Takumi Shimada

Mode / Remarks : WLAN 11b Rx 2437MHz Antenna(Hor:90deg, Ver:180deg)

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



Frequency	Reading	DET	Antenna Factor	Loss& Gain	Level	Angle	Height	Polar.	Limit	Margin	Comment
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
162.004	43.8	QP	15.5	-23.2	36.1	303	192	Hori.	43.5	7.4	
162.001	38.7	QP	15.5	-23.2	31.0	306	100	Vert.	43.5	12.5	
405.009	33.9	QP	17.4	-21.3	30.0	0	124	Hori.	46.0	16.0	
405.010	35.8	QP	17.4	-21.3	31.9	145	100	Vert.	46.0	14.1	
540.000	36.1	QP	18.6	-20.5	34.2	354	138	Hori.	46.0	11.8	
540.002	35.0	QP	18.6	-20.5	33.1	0	100	Vert.	46.0	12.9	
576.006	40.9	QP	19.0	-20.3	39.6	337	130	Hori.	46.0	6.4	
576.005	33.6	QP	19.0	-20.3	32.3	300	100	Vert.	46.0	13.7	
810.005	35.4	QP	21.8	-18.5	38.7	345	100	Hori.	46.0	7.3	
810.000	32.6	QP	21.8	-18.5	35.9	0	127	Vert.	46.0	10.1	
981.818	29.6	QP	22.9	-16.9	35.6	245	100	Hori.	53.9	18.3	
981.816	28.5	QP	22.9	-16.9	34.5	164	100	Vert.	53.9	19.4	

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.

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

Company : Sony Computer Entertainment Inc.
Equipment : Testing Tool
Model : DTP-H1500A B
S/N: : SJ0016664
Power : AC 120V / 60Hz
Mode : IEEE802.11b, Tx 2412MHz, 2Mbps
Position : ANT(H: 90deg. V: 180deg.)

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m / 1m
Date : 10/01/2008 10/02/2008
Temperature : 24deg.C. 23deg.C.
Humidity : 68% 57%
Engineer : Takumi Shimada Tomotaka Sasagawa

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	2239.00	56.1	55.8	26.4	32.9	2.6	0.0	52.2	51.9	73.9	21.7	22.0
2	2390.00	48.8	50.7	26.7	32.8	2.6	0.0	45.3	47.2	73.9	28.6	26.7
3	2400.00	51.5	52.0	26.7	32.8	2.6	0.0	48.0	48.5	73.9	25.9	25.4
4	4824.00	48.0	47.9	31.2	30.7	4.1	0.8	53.4	53.3	73.9	20.5	20.6
5	7236.00	42.1	40.9	35.7	31.4	4.6	0.7	51.7	50.5	73.9	22.2	23.4
6	9648.00	41.6	41.9	38.3	32.0	5.4	1.1	54.4	54.7	73.9	19.5	19.2
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12060.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	14472.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	16884.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	19296.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	21708.00	NS	NS	-	-	-	-	-	-	73.9	-	-
12	24120.00	46.9	46.5	38.5	31.0	7.7	0.0	52.6	52.2	73.9	21.3	21.7

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]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2239.00	50.0	50.0	26.4	32.9	2.6	0.0	46.1	46.1	53.9	7.8	7.8
2	2390.00	37.9	39.3	26.7	32.8	2.6	0.0	34.4	35.8	53.9	19.5	18.1
3	2400.00	41.8	43.4	26.7	32.8	2.6	0.0	38.3	39.9	53.9	15.6	14.0
4	4824.00	42.0	42.0	31.2	30.7	4.1	0.8	47.4	47.4	53.9	6.5	6.5
5	7236.00	30.1	29.9	35.7	31.4	4.6	0.7	39.7	39.5	53.9	14.2	14.4
6	9648.00	30.2	30.1	38.3	32.0	5.4	1.1	43.0	42.9	53.9	10.9	11.0
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12060.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	14472.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	16884.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	19296.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	21708.00	NS	NS	-	-	-	-	-	-	53.9	-	-
12	24120.00	35.4	35.1	38.5	31.0	7.7	0.0	41.1	40.8	53.9	12.8	13.1

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.54$ dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Filter 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 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.
*NS: Non Signal

Radiated Spurious Emission (above 1GHz)

Tx, Ch: Mid

Company : Sony Computer Entertainment Inc.
Equipment : Testing Tool
Model : DTP-H1500A B
S/N: : SJ0016664
Power : AC 120V / 60Hz
Mode : IEEE802.11b, Tx 2437MHz, 2Mbps
Position : ANT(H: 90deg, V: 180deg.)

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m / 1m
Date : 10/02/2008 10/02/2008
Temperature : 25deg.C. 23deg.C.
Humidity : 64% 57%
Engineer : Takumi Shimada Tomotaka Sasagawa

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	2239.35	56.5	54.3	26.4	32.9	2.6	0.0	52.6	50.4	73.9	21.3	23.5
2	4874.00	44.4	43.0	31.3	30.6	4.1	0.8	50.0	48.6	73.9	23.9	25.3
3	7311.00	41.6	41.1	35.8	31.4	4.6	0.7	51.3	50.8	73.9	22.6	23.1
4	9748.00	41.6	40.8	38.4	32.1	5.5	1.2	54.6	53.8	73.9	19.3	20.1
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12185.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14622.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	17059.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19496.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	21933.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24370.00	47.3	46.9	38.6	30.6	7.7	0.0	53.5	53.1	73.9	20.4	20.8

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	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2239.35	49.8	48.6	26.4	32.9	2.6	0.0	45.9	44.7	53.9	8.0	9.2
2	4874.00	37.2	34.1	31.3	30.6	4.1	0.8	42.8	39.7	53.9	11.1	14.2
3	7311.00	30.0	29.8	35.8	31.4	4.6	0.7	39.7	39.5	53.9	14.2	14.4
4	9748.00	29.9	29.7	38.4	32.1	5.5	1.2	42.9	42.7	53.9	11.0	11.2
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12185.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	14622.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	17059.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	19496.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	21933.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	24370.00	35.1	35.7	38.6	30.6	7.7	0.0	41.3	41.9	53.9	12.6	12.0

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 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 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.

*NS: Non Signal

Radiated Spurious Emission (above 1GHz)

Tx, Ch: High

Company : Sony Computer Entertainment Inc.
Equipment : Testing Tool
Model : DTP-H1500A B
S/N: : SJ0016664
Power : AC 120V / 60Hz
Mode : IEEE802.11b, Tx 2462MHz, 2Mbps
Position : ANT(H: 90deg, V: 180deg.)

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance : 3m / 1m
Date : 10/02/2008 10/02/2008
Temperature : 25deg.C. 23deg.C.
Humidity : 64% 57%
Engineer : Takumi Shimada Tomotaka Sasagawa

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

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2238.90	55.2	54.3	26.4	32.9	2.6	0.0	51.3	50.4	73.9	22.6	23.5
2	2483.50	50.1	51.6	26.9	32.8	2.6	0.0	46.8	48.3	73.9	27.1	25.6
3	4924.00	44.5	43.2	31.4	30.6	4.1	0.8	50.2	48.9	73.9	23.7	25.0
4	7386.00	41.6	41.3	35.9	31.4	4.6	0.7	51.4	51.1	73.9	22.5	22.8
5	9848.00	42.8	41.6	38.4	32.2	5.5	1.2	55.7	54.5	73.9	18.2	19.4
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12310.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	14772.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	17234.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	19696.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	22158.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	24620.00	46.3	46.7	38.8	30.2	7.7	0.0	53.1	53.5	73.9	20.8	20.4

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	2238.90	48.6	48.8	26.4	32.9	2.6	0.0	44.7	44.9	53.9	9.2	9.0
2	2483.50	38.5	41.1	26.9	32.8	2.6	0.0	35.2	37.8	53.9	18.7	16.1
3	4924.00	36.1	34.5	31.4	30.6	4.1	0.8	41.8	40.2	53.9	12.1	13.7
4	7386.00	30.6	30.4	35.9	31.4	4.6	0.7	40.4	40.2	53.9	13.5	13.7
5	9848.00	31.0	30.8	38.4	32.2	5.5	1.2	43.9	43.7	53.9	10.0	10.2
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12310.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	14772.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	17234.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	19696.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	22158.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	24620.00	35.2	35.6	38.8	30.2	7.7	0.0	42.0	42.4	53.9	11.9	11.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

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

*Hi-Pass Filter 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 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.

*NS: Non Signal

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

Company	: Sony Computer Entertainment Inc.	UL Japan, Inc.
Equipment	: Testing Tool	Head Office EMC Lab. No.3 Semi Anechoic Chamber
Model	: DTP-H1500A B	Regulation : FCC15.109(a) / RSS-210 A8.5
S/N:	: SJ0016664	Test Distance : 3m
Power	: AC 120V / 60Hz	Date : 10/01/2008
Mode	: IEEE802.11b, Rx 2437MHz	Temperature : 24deg.C.
Position	: ANT(H: 90deg. V: 180deg.)	Humidity : 68%
		Engineer : Takumi Shimada

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

PK DC TEST (Reference data)				(K5W 15m12, 50WV 15m12)									
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]		[dBuV/m]		[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2239.88	56.0	54.2	26.4	32.9	2.6	0.0	52.1	50.3	73.9	21.8	23.6	
2	2375.98	48.9	49.9	26.7	32.8	2.6	0.0	45.4	46.4	73.9	28.5	27.5	
3	2437.00	41.6	42.2	26.8	32.8	2.7	0.0	38.3	38.9	73.9	35.6	35.0	

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	2239.88	49.8	48.6	26.4	32.9	2.6	0.0	45.9	44.7	53.9	8.0	9.2
2	2375.98	42.2	42.5	26.7	32.8	2.6	0.0	38.7	39.0	53.9	15.2	14.9
3	2437.00	30.5	30.5	26.8	32.8	2.7	0.0	27.2	27.2	53.9	26.7	26.7

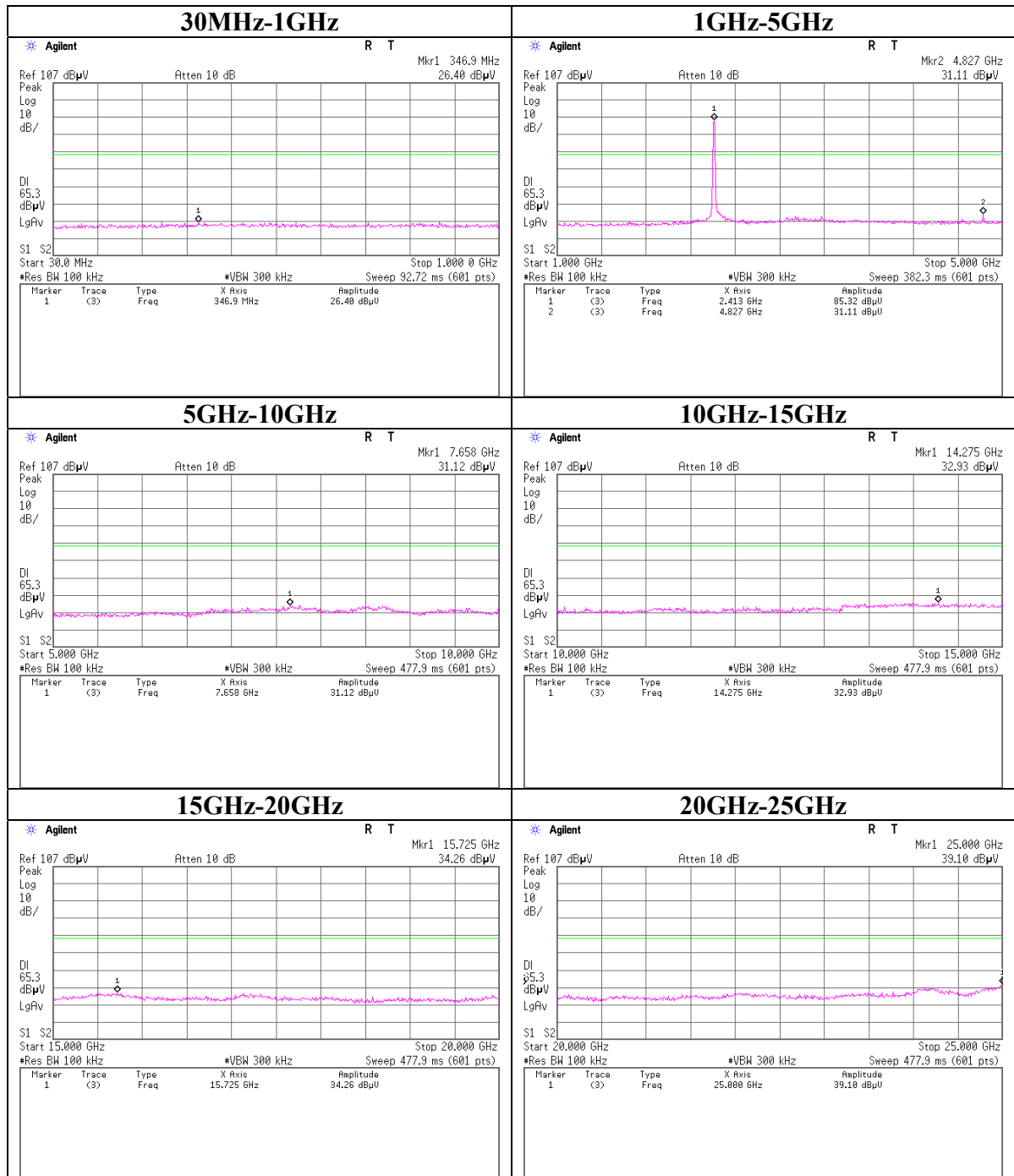
*Except for the above table : All other spurious emissions were less than 20dB for the limit.

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

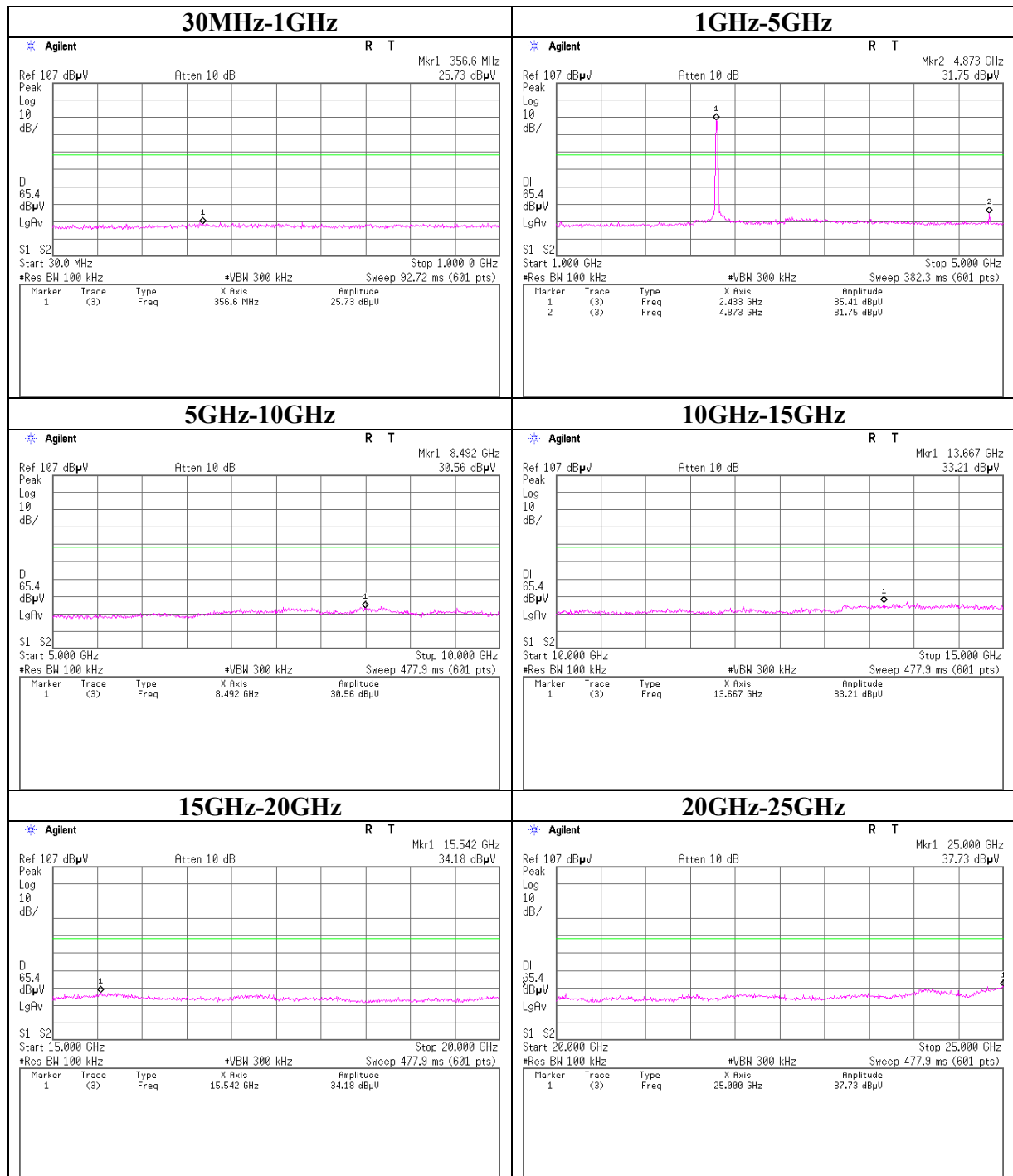
*The limit is rounded down to one decimal place.

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

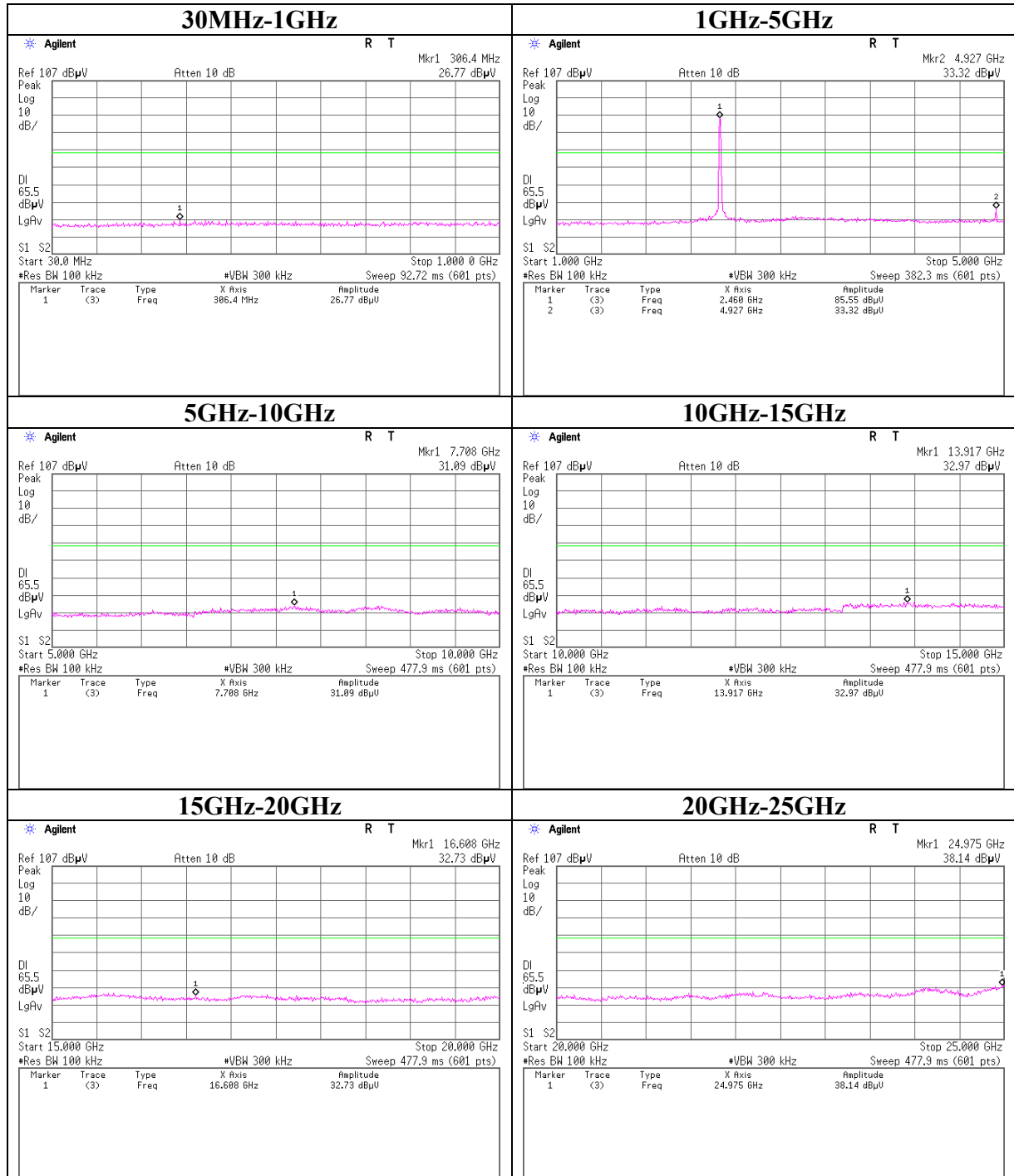
Conducted Spurious Emission
Tx, Ch: Low



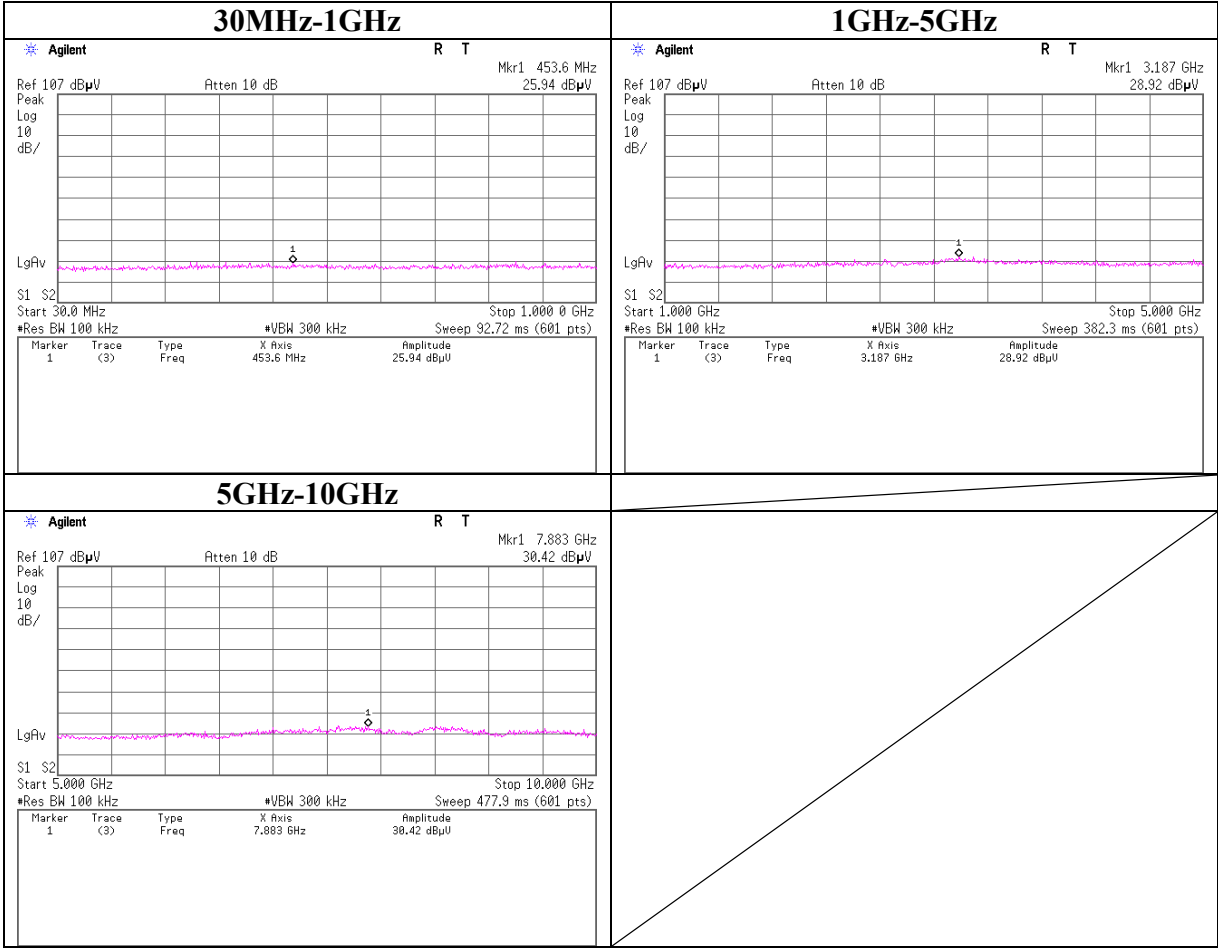
Conducted Spurious Emission
Tx, Ch: Mid



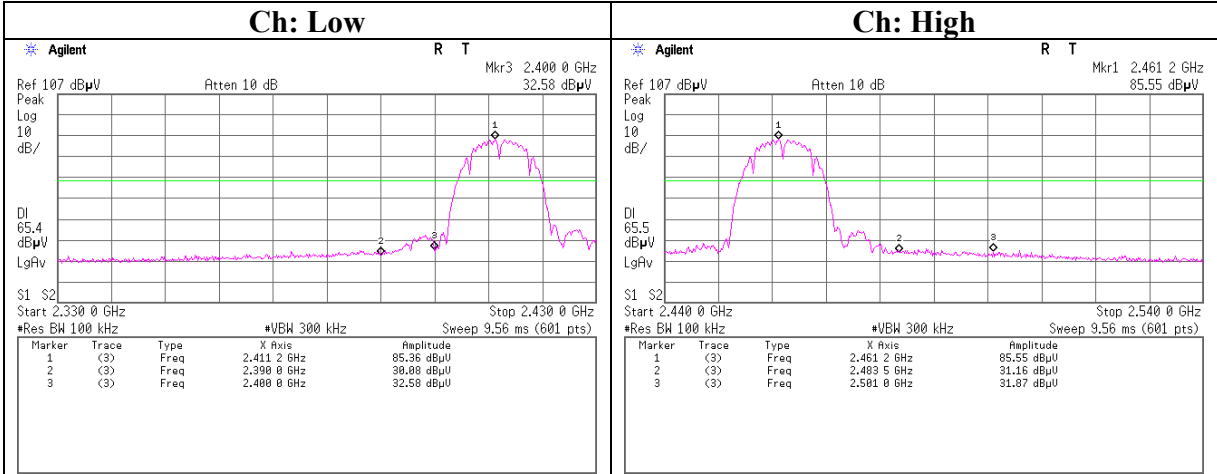
Conducted Spurious Emission
Tx, Ch: High



Conducted Spurious Emission
Rx, Ch: Mid



Conducted emission Band Edge compliance



Power Density

UL Japan, Inc.

Head Office EMC Lab. No.4 Shielded Room

Test Report No.

Company : Sony Computer Entertainment Inc. Regulation : FCC15.247(e)/RSS-210A8.2(b)
Equipment : Testing Tool Test distance : -
Model No. : DTP-H1500A B Date : 08/19/2008
Serial No. : SJ0016666 Temperature : 25°C
Power : AC120V/60Hz Humidity : 59%
Mode : IEEE802.11b, 2Mbps, Tx (Ch L, M, H) Engineer : Takumi Shimada

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2411.2	-33.79	1.1	10.0	-22.7	8.0	30.7
Mid	2436.2	-33.67	1.1	10.0	-22.5	8.0	30.5
High	2461.2	-33.59	1.1	10.0	-22.5	8.0	30.5

Sample Calculation:

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

UL Japan, Inc.

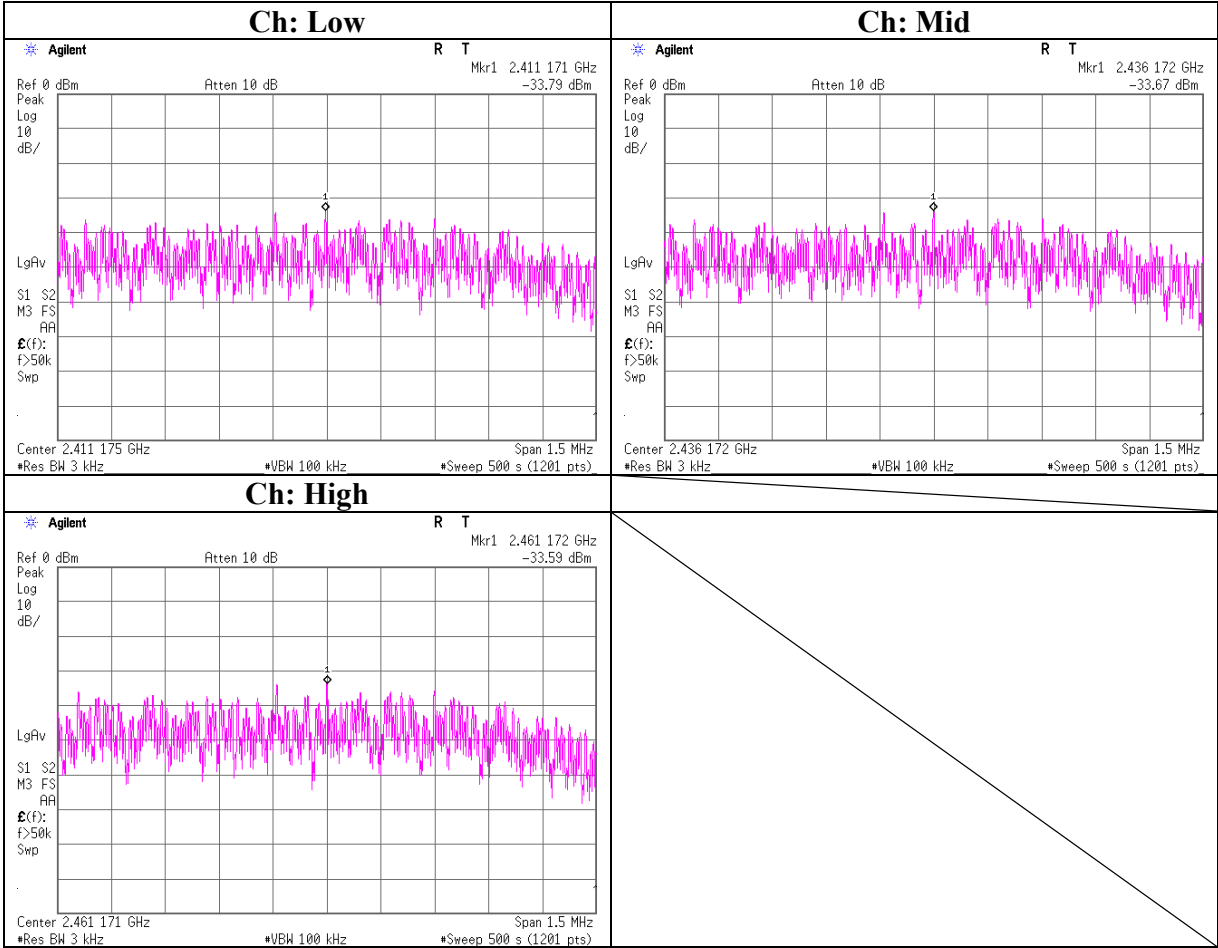
Head Office EMC Lab.

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

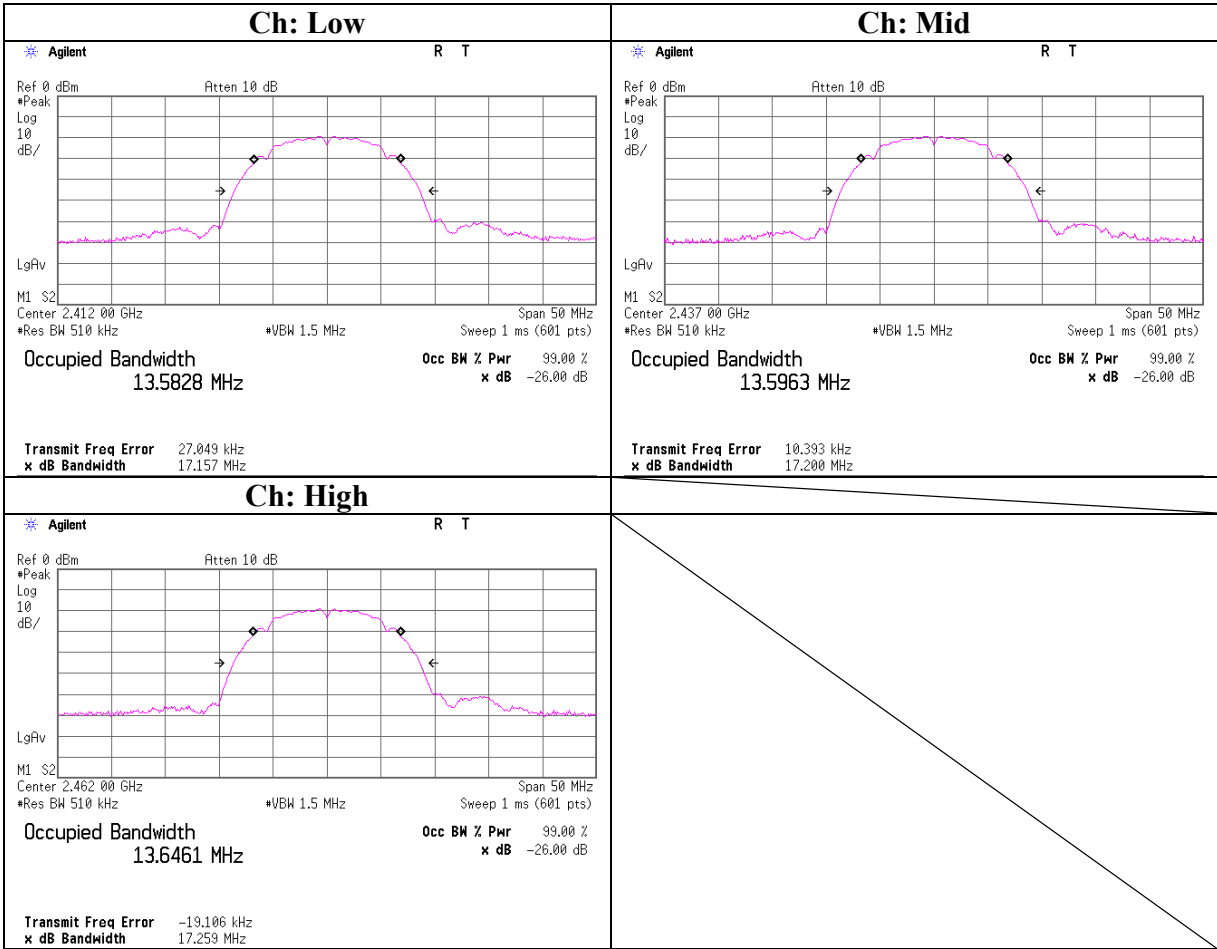
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

Power Density



99%Occupied Bandwidth



APPENDIX 3:Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/CE	2008/03/25 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	RE/CE	2008/01/10 * 12
MJM-06	Measure	PROMART	SEN1955	RE/CE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MSA-09	Spectrum Analyzer	Advantest	R3273	RE/CE	2007/12/21 * 12
MTR-08	Test Receiver	Rohde & Schwarz	ESCI	RE/CE	2008/06/12 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2008/01/12 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2008/01/12 * 12
MCC-51	Coaxial cable	UL Japan	-	RE	2008/07/18 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	RE	2008/03/10 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2008/03/06 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2008/04/23 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2008/03/12 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2008/03/13 * 12
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2008/04/30 * 12
MCC-78	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MHF-19	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCA	RE	2007/12/10 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE(EUT)	2008/02/19 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE(AE)	2008/02/20 * 12
MTA-07	Terminator	MCL	BTRM-50	CE	2008/02/04 * 12
MCC-112	Coaxial cable	Fujikura/Suhner/TSJ	-	CE	2008/07/03 * 12
MAT-25	Attenuator(10dB)(above 1GHz)	Agilent	8493C	AT	2008/06/25 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2007/09/22 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2007/09/22 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	AT	2008/08/18 * 12
MCC-67	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2008/04/04 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	AT	2008/01/10 * 12

UL Japan, Inc.

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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