

**APPENDIX 2: Data of EMI test**

**Conducted Emission**  
**Serial: 1050034, 11b, Tx, Ch: Low, ANT0**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
 Date : 2008/01/24

Company	: Sony Computer Entertainment	Report No.	: 28FE0090-HO-01
Kind of EUT	: PLAYSTATION®3	Power	: AC 120V / 60Hz
Model No.	: CECHJ01	Temp./Humi.	: 25deg.C / 32%
Serial No.	: 1050034	Operator	: Motoya Imura

Mode / Remarks : 11b, Tx, ANT0, 11Mbps, 2412MHz

LIMIT : FCC15.207 QP  
 FCC15.207 AV

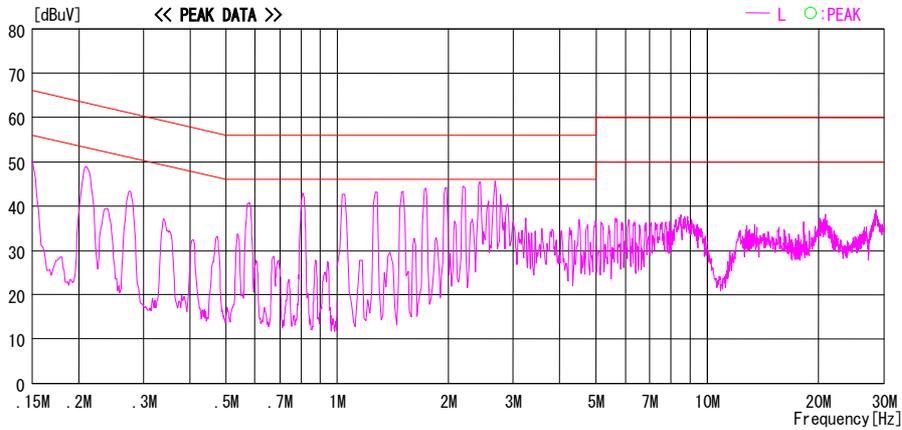
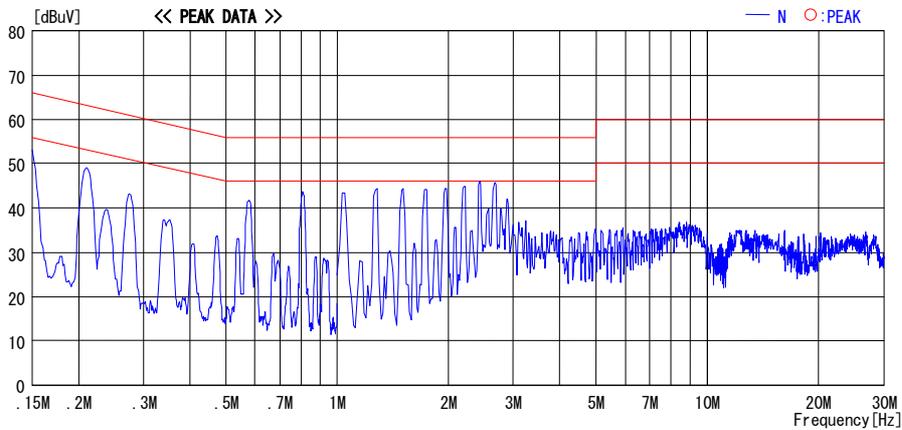


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**UL Japan, Inc.**  
**Head Office EMC Lab.**  
 4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN  
 Telephone : +81 596 24 8116  
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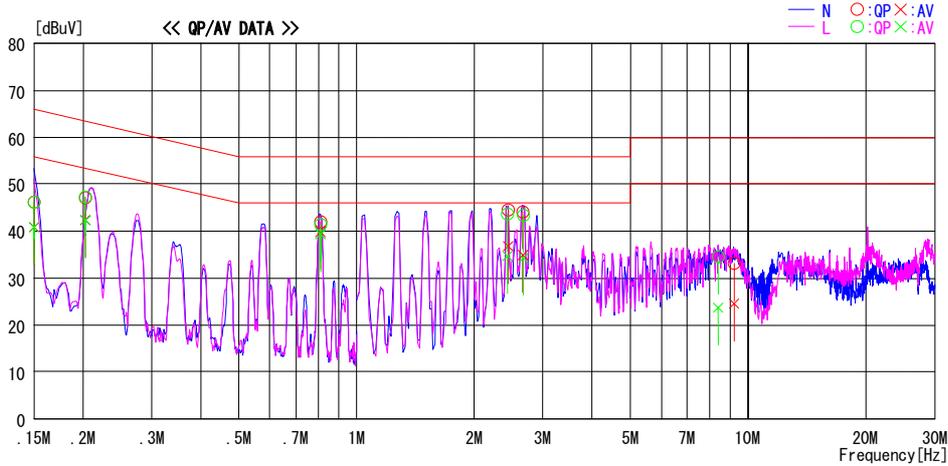
**Conducted Emission**  
**Serial: 1050034, 11b, Tx, Ch: Mid, ANT0**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/24

Company : Sony Computer Entertainment Inc. Report No. : 28FE0090-HO-01  
Kind of EUT : PLAYSTATION®3 Power : AC 120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C / 32%  
Serial No. : 1050034 Operator : Motoya Imura

Mode / Remarks : 11b, Tx, ANT0, 11Mbps, 2437MHz

LIMIT : FCC15.207 QP  
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.15000	45.8	40.4	0.4	46.2	40.8	66.0	56.0	19.8	15.2	N
0.20258	46.8	42.0	0.4	47.2	42.4	63.5	53.5	16.3	11.1	N
0.80910	41.4	39.3	0.5	41.9	39.8	56.0	46.0	14.1	6.2	N
2.43670	43.6	35.9	0.9	44.5	36.8	56.0	46.0	11.5	9.2	N
2.65870	43.2	34.0	0.9	44.1	34.9	56.0	46.0	11.9	11.1	N
9.22100	30.8	22.3	2.3	33.1	24.6	60.0	50.0	26.9	25.4	N
0.15000	45.8	40.5	0.4	46.2	40.9	66.0	56.0	19.8	15.1	L
0.20280	46.9	41.8	0.4	47.3	42.2	63.5	53.5	16.2	11.3	L
0.80875	40.8	38.8	0.5	41.3	39.3	56.0	46.0	14.7	6.7	L
2.42670	42.8	33.7	0.9	43.7	34.6	56.0	46.0	12.4	11.4	L
2.66050	42.5	33.4	0.9	43.4	34.3	56.0	46.0	12.6	11.7	L
8.39852	32.4	21.7	2.1	34.5	23.8	60.0	50.0	25.5	26.2	L

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

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

**Conducted Emission**  
**Serial: 1050034, 11b, Tx, Ch: High, ANT0**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/24

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0090-HO-01
Kind of EUT	: PLAYSTATION®3	Power	: AC 120V / 60Hz
Model No.	: CECHJ01	Temp./Humi.	: 25deg. C / 32%
Serial No.	: 1050034	Operator	: Motoya Imura

Mode / Remarks : 11b, Tx, ANT0, 11Mbps, 2462MHz

LIMIT : FCC15.207 QP  
FCC15.207 AV

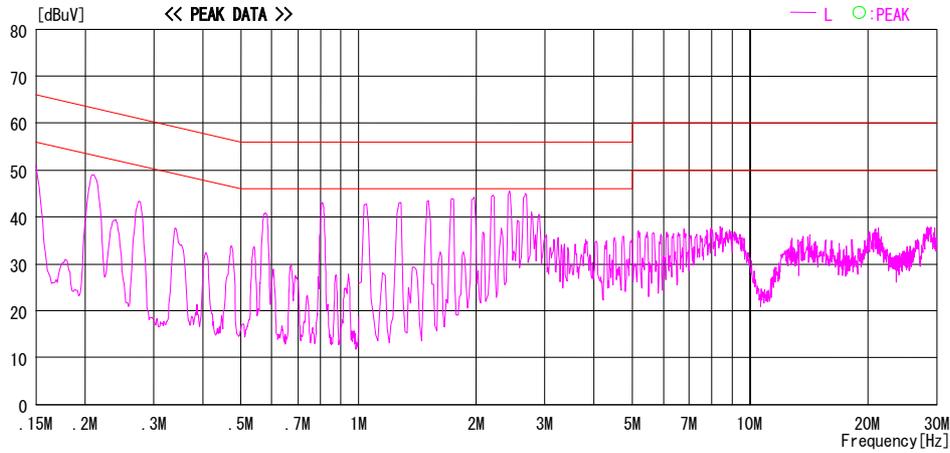
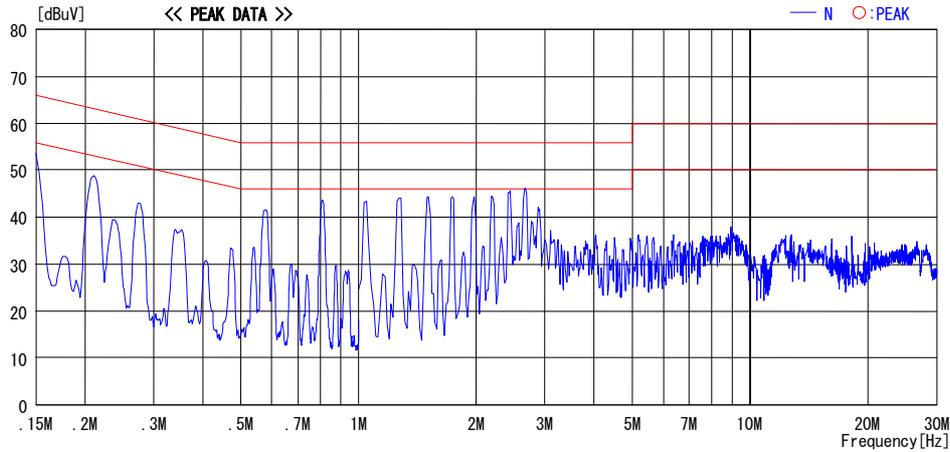


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C. F (LISN LOSS+CABLE LOSS)  
Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**Serial: 1050034, 11g, Tx, Ch: Low, ANT0**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
 Date : 2008/01/24

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0090-HO-01
Kind of EUT	: PLAYSTATION®3	Power	: AC 120V / 60Hz
Model No.	: CECHJ01	Temp./Humi.	: 25deg. C / 32%
Serial No.	: 1050034	Operator	: Motoya Imura

Mode / Remarks : 11g, Tx, ANT0, 54Mbps, 2412MHz

LIMIT : FCC15.207 QP  
FCC15.207 AV

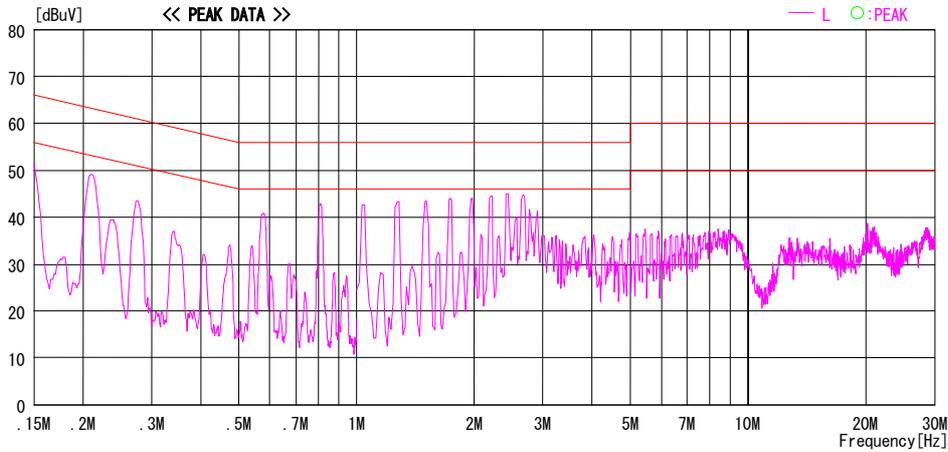
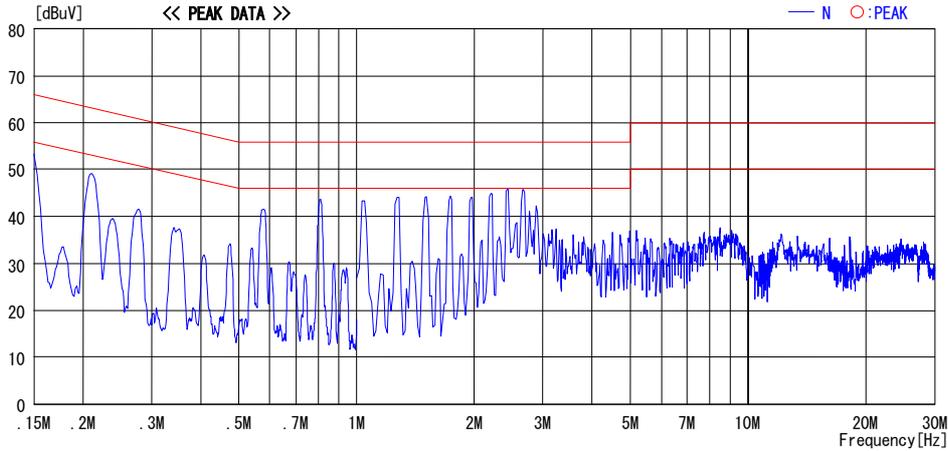


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F (L IN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

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

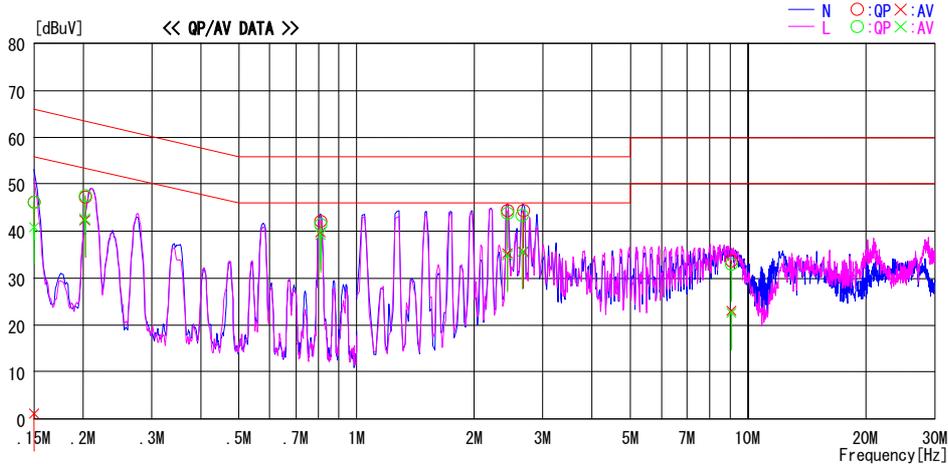
**Conducted Emission**  
**Serial: 1050034, 11g, Tx, Ch: Mid, ANT0**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/24

Company : Sony Computer Entertainment Inc. Report No. : 28FE0090-HO-01  
Kind of EUT : PLAYSTATION®3 Power : AC 120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C / 32%  
Serial No. : 1050034 Operator : Motoya Imura

Mode / Remarks : 11g, Tx, ANT0, 54Mbps, 2437MHz

LIMIT : FCC15.207 QP  
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.15000	45.7	0.7	0.4	46.1	1.1	66.0	56.0	19.9	54.9	N
0.20211	46.9	41.9	0.4	47.3	42.3	63.5	53.5	16.2	11.2	N
0.80802	41.6	39.2	0.5	42.1	39.7	56.0	46.0	13.9	6.3	N
2.42350	43.4	34.4	0.9	44.3	35.3	56.0	46.0	11.7	10.7	N
2.66450	43.4	34.8	0.9	44.3	35.7	56.0	46.0	11.7	10.3	N
9.07400	31.4	20.8	2.3	33.7	23.1	60.0	50.0	26.3	26.9	N
0.15000	45.7	40.5	0.4	46.1	40.9	66.0	56.0	19.9	15.1	L
0.20210	47.2	42.2	0.4	47.6	42.6	63.5	53.5	15.9	10.9	L
0.80850	40.9	38.7	0.5	41.4	39.2	56.0	46.0	14.7	6.8	L
2.42500	42.9	34.0	0.9	43.8	34.9	56.0	46.0	12.2	11.1	L
2.64750	42.5	34.7	0.9	43.4	35.6	56.0	46.0	12.6	10.4	L
9.07100	30.7	20.3	2.3	33.0	22.6	60.0	50.0	27.1	27.4	L

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

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**Conducted Emission**  
**Serial: 1050034, 11g, Tx, Ch: High, ANT0**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
 Date : 2008/01/24

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0090-HO-01
Kind of EUT	: PLAYSTATION®3	Power	: AC 120V / 60Hz
Model No.	: CECHJ01	Temp./Humi.	: 25deg. C / 32%
Serial No.	: 1050034	Operator	: Motoya Imura

Mode / Remarks : 11g, Tx, ANT0, 54Mbps, 2462MHz

LIMIT : FCC15.207 QP  
 FCC15.207 AV

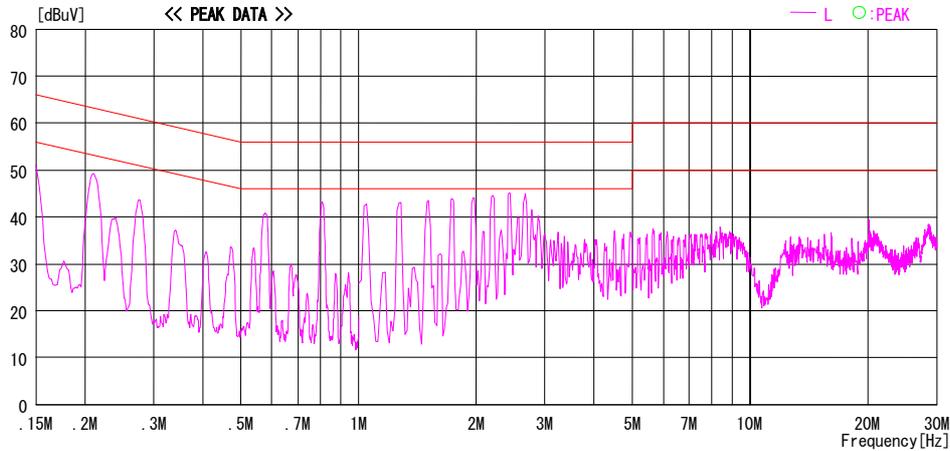
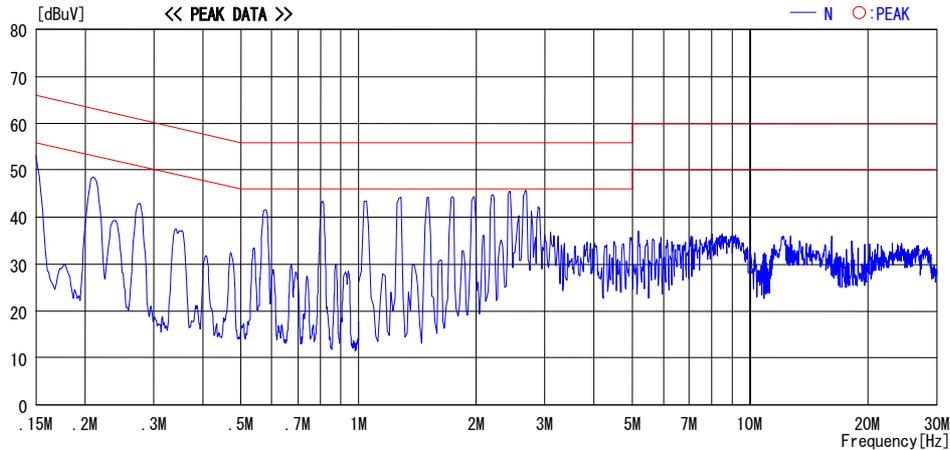


CHART:WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION:RESULT=READING+C. F (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

**Conducted Emission**  
**Serial: 1050034, Rx, Ch: Mid, ANT0**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
 Date : 2008/01/24

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0090-HO-01
Kind of EUT	: PLAYSTATION®3	Power	: AC 120V / 60Hz
Model No.	: CECHJ01	Temp./Humi.	: 25deg. C / 32%
Serial No.	: 1050034	Operator	: Motoya Imura

Mode / Remarks : 11b/g, Rx, ANT0, 2437MHz

LIMIT : FCC15.207 QP  
FCC15.207 AV

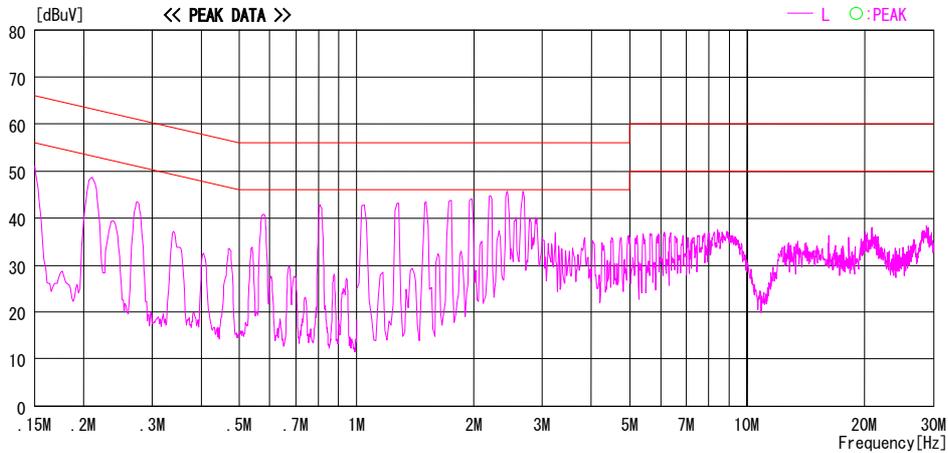
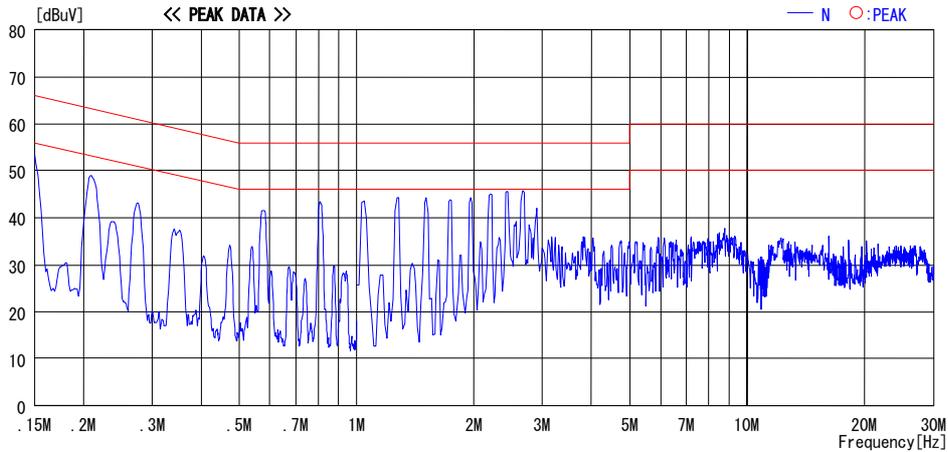


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

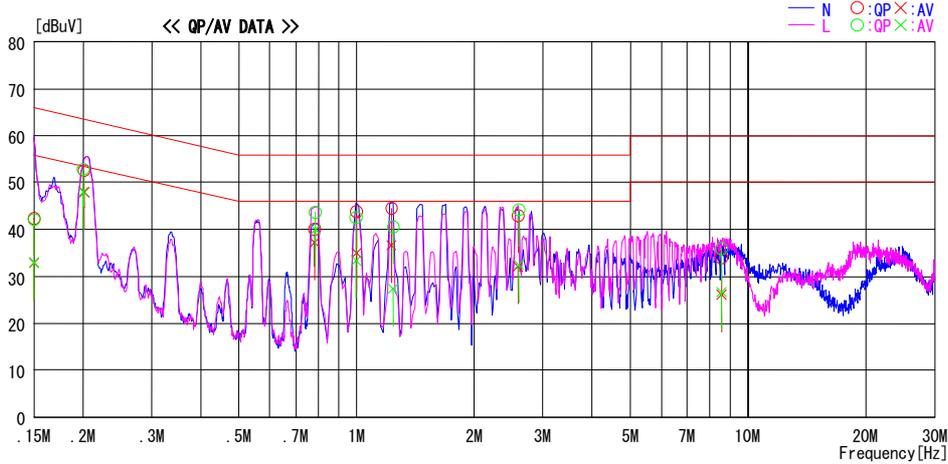
**Conducted Emission**  
**Serial: 1030165, 11b, Tx, Ch: Mid, ANT0**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/24

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Kind of EUT : PLAYSTATION®3 Power : AC 120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C / 32%  
Serial No. : 1030165 Operator : Motoya Imura

Mode / Remarks : 11b, Tx, ANT0, 11Mbps, 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]	
0.15000	42.0	32.6	0.3	42.3	32.9	66.0	56.0	23.7	23.2	N
0.20120	52.3	47.6	0.3	52.6	47.9	63.6	53.6	11.0	5.7	N
0.78230	39.6	36.8	0.4	40.0	37.2	56.0	46.0	16.0	8.8	N
0.99780	43.4	34.6	0.4	43.8	35.0	56.0	46.0	12.2	11.0	N
1.22730	44.1	36.2	0.4	44.5	36.6	56.0	46.0	11.5	9.4	N
2.58370	42.4	31.5	0.6	43.0	32.1	56.0	46.0	13.0	13.9	N
8.57400	32.7	24.9	1.3	34.0	26.2	60.0	50.0	26.0	23.9	N
0.15000	41.8	32.7	0.3	42.1	33.0	66.0	56.0	23.9	23.0	L
0.19980	52.5	47.7	0.3	52.8	48.0	63.6	53.6	10.8	5.6	L
0.78350	43.3	39.6	0.4	43.7	40.0	56.0	46.0	12.3	6.0	L
0.99630	42.1	33.0	0.4	42.5	33.4	56.0	46.0	13.5	12.6	L
1.23940	40.2	27.0	0.4	40.6	27.4	56.0	46.0	15.4	18.6	L
2.58970	43.6	31.9	0.6	44.2	32.5	56.0	46.0	11.8	13.5	L
8.57630	34.7	25.4	1.3	36.0	26.7	60.0	50.0	24.0	23.3	L

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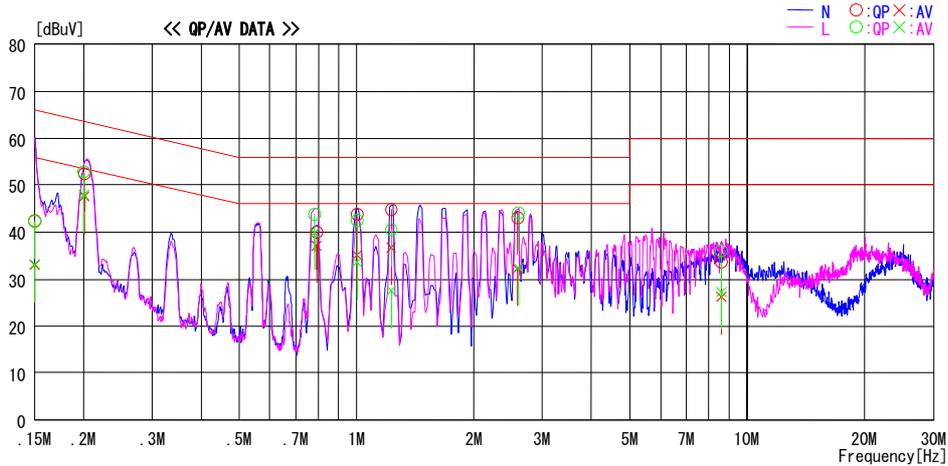
**Conducted Emission**  
**Serial: 1030165, 11g, Tx, Ch: Mid, ANT0**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/24

Company : Sony Computer Entertainment Inc. Report No. : 28FE0090-HO-01  
Kind of EUT : PLAYSTATION®3 Power : AC 120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C / 32%  
Serial No. : 1030165 Operator : Motoya Imura

Mode / Remarks : 11g, Tx, ANT0, 54Mbps, 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]	
0.15000	42.1	32.7	0.3	42.4	33.0	66.0	56.0	23.6	23.0	N
0.20080	52.1	47.2	0.3	52.4	47.5	63.6	53.6	11.2	6.1	N
0.78963	39.6	36.7	0.4	40.0	37.1	56.0	46.0	16.0	8.9	N
1.00208	43.4	34.7	0.4	43.8	35.1	56.0	46.0	12.2	10.9	N
1.22790	44.3	36.3	0.4	44.7	36.7	56.0	46.0	11.3	9.3	N
2.58470	42.5	31.6	0.6	43.1	32.2	56.0	46.0	12.9	13.8	N
8.59700	32.4	25.0	1.3	33.7	26.3	60.0	50.0	26.3	23.7	N
0.15000	42.0	32.8	0.3	42.3	33.1	66.0	56.0	23.7	22.9	L
0.20040	52.6	47.6	0.3	52.9	47.9	63.6	53.6	10.7	5.7	L
0.78083	43.4	39.5	0.4	43.8	39.9	56.0	46.0	12.2	6.1	L
1.00120	42.1	33.2	0.4	42.5	33.6	56.0	46.0	13.5	12.4	L
1.22780	40.2	27.1	0.4	40.6	27.5	56.0	46.0	15.4	18.5	L
2.58900	43.4	31.8	0.6	44.0	32.4	56.0	46.0	12.0	13.6	L
8.61250	34.8	26.0	1.3	36.1	27.3	60.0	50.0	23.9	22.7	L

CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F(L1SN 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

**Conducted Emission**  
**Serial: 1030165, Rx, Ch: Mid, ANT0**  
**DATA OF CONDUCTED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
 Date : 2008/01/24

Company	: Sony Computer Entertainment Inc.	Report No.	: 28FE0090-HO-01
Kind of EUT	: PLAYSTATION®3	Power	: AC 120V / 60Hz
Model No.	: CECHJ01	Temp./Humi.	: 25deg. C / 32%
Serial No.	: 1030165	Operator	: Motoya Imura

Mode / Remarks : 11b/g, Rx, ANT0, 2437MHz

LIMIT : FCC15.207 QP  
FCC15.207 AV

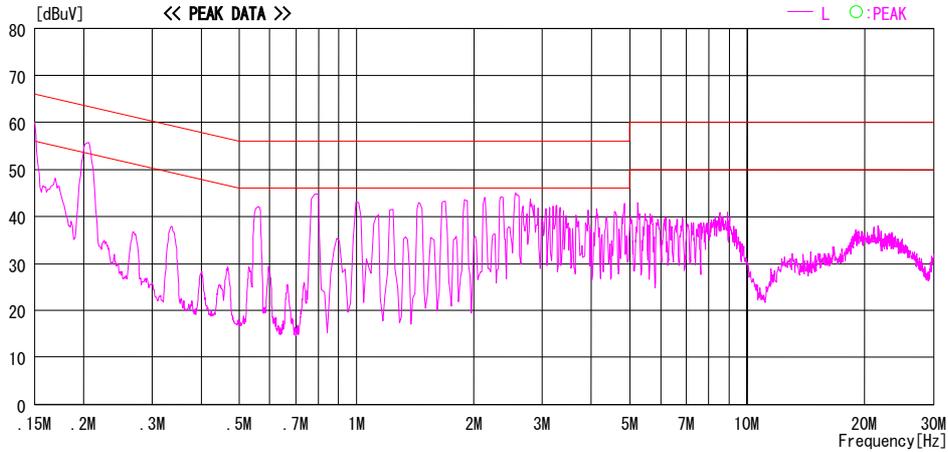
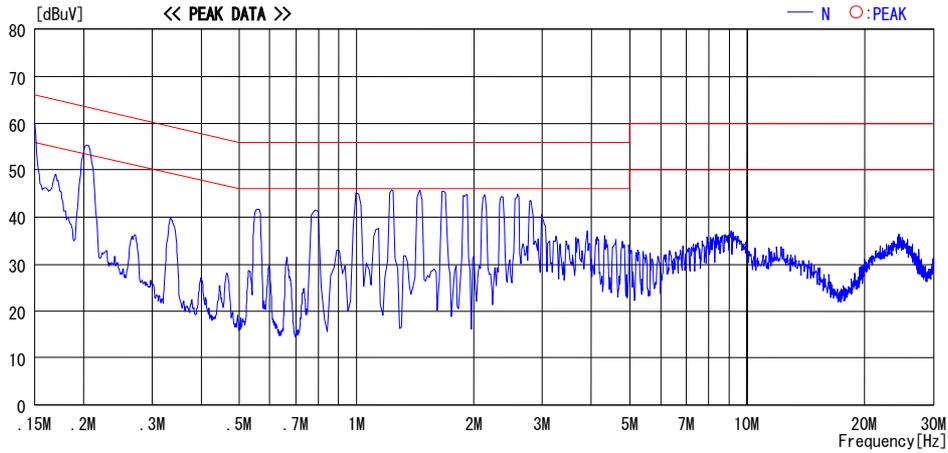


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C.F(LIN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

## 6dB Bandwidth

### ANT1

UL Japan, Inc.  
Head Office EMC Lab. No.7 Shielded Room

COMPANY	: Sony Computer Entertainment Inc.	REPORT NO	: 28FE0090-HO-01
EQUIPMENT	: PLAYSTATION®3	REGULATION	: FCC15.247(a)(2)/RSS-210A8.2(a)
MODEL	: CECHJ01	TEST DISTANCE	: -
SAMPLE NO.	: 1050034	DATE	: 1/21/2008
POWER	: AC120V/60Hz	TEMPERATURE	: 24deg.C.
MODE	: Tx (Ch 1,6,11), ANT1	HUMIDITY	: 31%
		ENGINEER	: Takumi Shimada

#### [IEEE802.11b]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	13.567	>500
Mid	2437.0	13.587	>500
High	2462.0	13.606	>500

#### [IEEE802.11g]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.485	>500
Mid	2437.0	16.495	>500
High	2462.0	17.330	>500

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**UL Japan, Inc.**

**Head Office EMC Lab.**

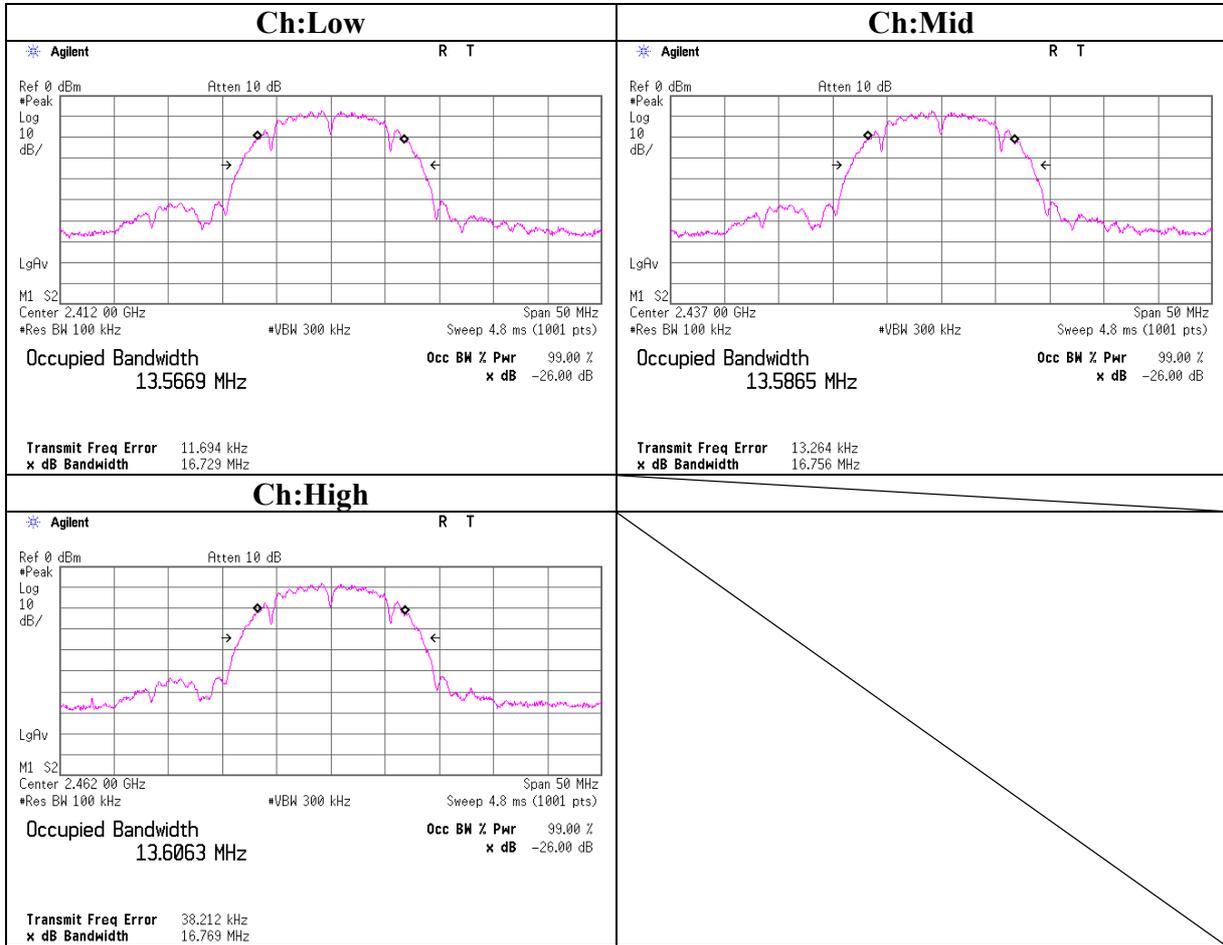
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

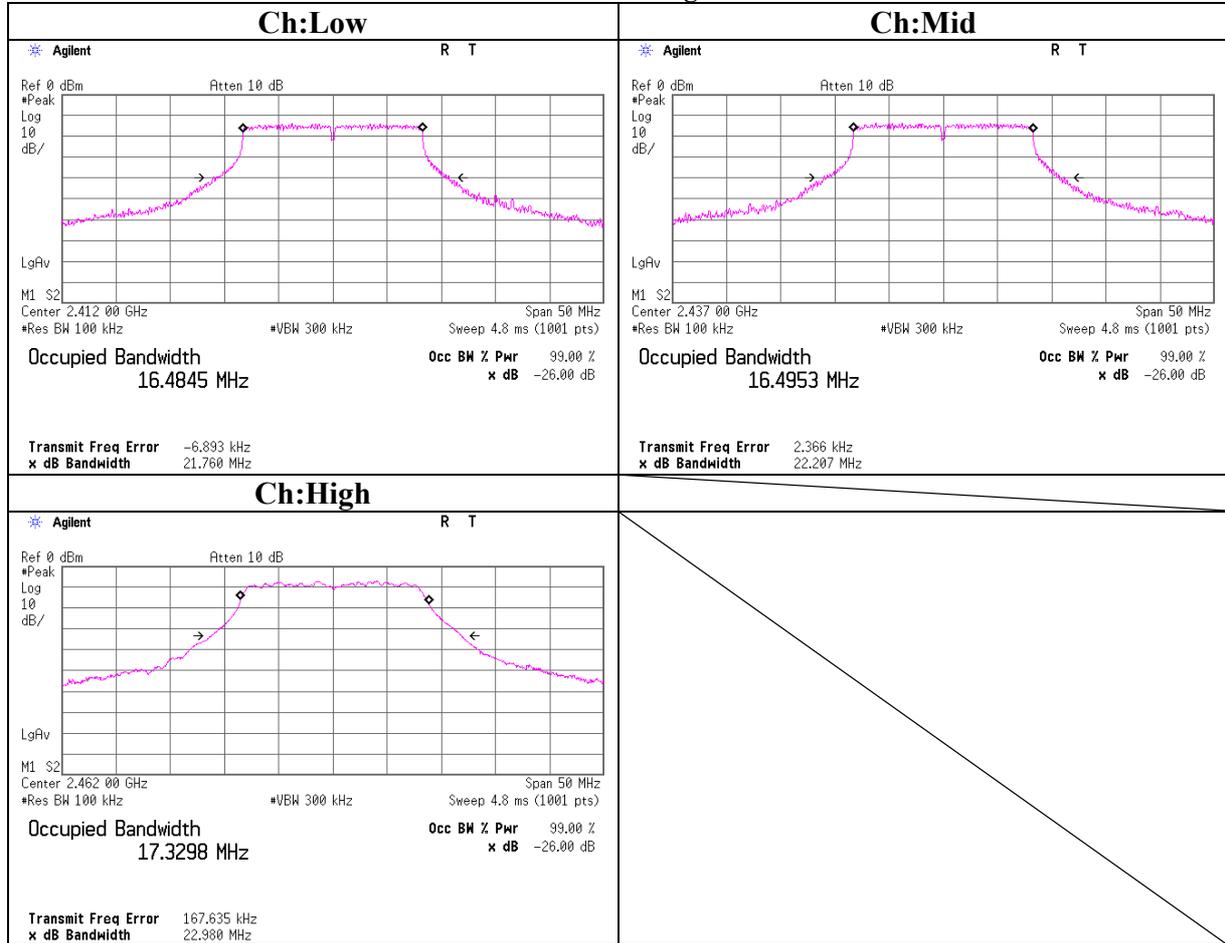
**6dB Bandwidth**

**IEEE802.11b**



**6dB Bandwidth**

**IEEE802.11g**



**Maximum Peak Output Power**  
**11b, ANT0**

UL Japan, Inc.  
Head Office EMC Lab. No.7 Shielded Room

COMPANY	: Sony Computer Entertainment Inc.	REPORT NO	: 28FE0090-HO-01
EQUIPMENT	: PLAYSTATION®3	REGULATION	: FCC15.247(b)(3)/RSS-210A8.4(4)
MODEL	: CECHJ01	TEST DISTANCE	: -
SAMPLE NO.	: 1050034	DATE	: 1/21/2008
POWER	: AC120V/60Hz	TEMPERATURE	: 24deg.C.
MODE	: Tx (Ch 1,6,11) , ANT0	HUMIDITY	: 31%
		ENGINEER	: Takumi Shimada

**[IEEE802.11b]**

Ch	Freq. [MHz]	Bit Rate [Mbps]	P/M(PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
						[dBm]	[mW]	[dBm]	[mW]	
Mid	2437.0	1.0	6.71	0.60	10.08	17.39	54.83	30.00	1000	12.61
Mid	2437.0	2.0	6.83	0.60	10.08	17.51	56.36	30.00	1000	12.49
Mid	2437.0	5.5	5.59	0.60	10.08	16.27	42.36	30.00	1000	13.73
Mid	2437.0	11.0	6.50	0.60	10.08	17.18	52.24	30.00	1000	12.82

**[IEEE802.11b]**

Ch	Freq. [MHz]	Bit Rate [Mbps]	P/M(PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
						[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	2.0	7.05	0.60	10.08	17.73	59.29	30.00	1000	12.27
Mid	2437.0	2.0	6.83	0.60	10.08	17.51	56.36	30.00	1000	12.49
High	2462.0	2.0	6.85	0.60	10.08	17.53	56.62	30.00	1000	12.47

Sample Calculation:

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

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

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

\*Compared to UL Japan, Test Report No. 28BE0065-HO-02-A for the original model, difference in Maximum Peak Output Power is within +/- 0.5dB.

**Maximum Peak Output Power**  
**11g, ANT0**

UL Japan, Inc.  
Head Office EMC Lab. No.7 Shielded Room

COMPANY	: Sony Computer Entertainment Inc.	REPORT NO	: 28FE0090-HO-01
EQUIPMENT	: PLAYSTATION®3	REGULATION	: FCC15.247(b)(3)/RSS-210A8.4(4)
MODEL	: CECHJ01	TEST DISTANCE	: -
SAMPLE NO.	: 1050034	DATE	: 1/21/2008
POWER	: AC120V/60Hz	TEMPERATURE	: 24deg.C.
MODE	: Tx (Ch 1,6,11) , ANT0	HUMIDITY	: 31%
		ENGINEER	: Takumi Shimada

**[IEEE802.11g]**

Ch	Freq. [MHz]	Bit Rate [Mbps]	P/M(PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
						[dBm]	[mW]	[dBm]	[mW]	
Mid	2437.0	6.0	10.12	0.60	10.08	20.80	120.23	30.00	1000	9.20
Mid	2437.0	9.0	10.00	0.60	10.08	20.68	116.95	30.00	1000	9.32
Mid	2437.0	12.0	10.27	0.60	10.08	20.95	124.45	30.00	1000	9.05
Mid	2437.0	18.0	9.81	0.60	10.08	20.49	111.94	30.00	1000	9.51
Mid	2437.0	24.0	10.15	0.60	10.08	20.83	121.06	30.00	1000	9.17
Mid	2437.0	36.0	9.97	0.60	10.08	20.65	116.14	30.00	1000	9.35
Mid	2437.0	48.0	10.14	0.60	10.08	20.82	120.78	30.00	1000	9.18
Mid	2437.0	54.0	9.95	0.60	10.08	20.63	115.61	30.00	1000	9.37

**[IEEE802.11g]**

Ch	Freq. [MHz]	Bit Rate [Mbps]	P/M(PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
						[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	12.0	10.45	0.60	10.08	21.13	129.72	30.00	1000	8.87
Mid	2437.0	12.0	10.27	0.60	10.08	20.95	124.45	30.00	1000	9.05
High	2462.0	12.0	9.00	0.60	10.08	19.68	92.90	30.00	1000	10.32

Sample Calculation:

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

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

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

\*Compared to UL Japan, Test Report No. 28BE0065-HO-02-A for the original model, difference in Maximum Peak Output Power is within +/- 0.5dB.

**Maximum Peak Output Power**  
**11b, ANT1**

UL Japan, Inc.  
Head Office EMC Lab. No.7 Shielded Room

COMPANY	: Sony Computer Entertainment Inc.	REPORT NO	: 28FE0090-HO-01
EQUIPMENT	: PLAYSTATION®3	REGULATION	: FCC15.247(b)(3)/RSS-210A8.4(4)
MODEL	: CECHJ01	TEST DISTANCE	: -
SAMPLE NO.	: 1050034	DATE	: 1/21/2008
POWER	: AC120V/60Hz	TEMPERATURE	: 24deg.C.
MODE	: Tx (Ch 1,6,11) , ANT1	HUMIDITY	: 31%
		ENGINEER	: Takumi Shimada

**[IEEE802.11b]**

Ch	Freq. [MHz]	Bit Rate [Mbps]	P/M(PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
						[dBm]	[mW]	[dBm]	[mW]	
Mid	2437.0	1.0	7.20	0.60	10.08	17.88	61.38	30.00	1000	12.12
Mid	2437.0	2.0	7.58	0.60	10.08	18.26	66.99	30.00	1000	11.74
Mid	2437.0	5.5	6.27	0.60	10.08	16.95	49.55	30.00	1000	13.05
Mid	2437.0	11.0	6.92	0.60	10.08	17.60	57.54	30.00	1000	12.40

**[IEEE802.11b]**

Ch	Freq. [MHz]	Bit Rate [Mbps]	P/M(PK) Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
						[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	2.0	7.38	0.60	10.08	18.06	63.97	30.00	1000	11.94
Mid	2437.0	2.0	7.58	0.60	10.08	18.26	66.99	30.00	1000	11.74
High	2462.0	2.0	5.94	0.60	10.08	16.62	45.92	30.00	1000	13.38

Sample Calculation:

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

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

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

\*Compared to UL Japan, Test Report No. 28BE0065-HO-02-A for the original model, difference in Maximum Peak Output Power is within +/- 0.5dB.

**Maximum Peak Output Power**  
**11g, ANT1**

UL Japan, Inc.  
Head Office EMC Lab. No.7 Shielded Room

COMPANY	: Sony Computer Entertainment Inc.	REPORT NO	: 28FE0090-HO-01
EQUIPMENT	: PLAYSTATION®3	REGULATION	: FCC15.247(b)(3)/RSS-210A8.4(4)
MODEL	: CECHJ01	TEST DISTANCE	: -
SAMPLE NO.	: 1050034	DATE	: 1/21/2008
POWER	: AC120V/60Hz	TEMPERATURE	: 24deg.C.
MODE	: Tx(Ch 1,6,11) , ANT1	HUMIDITY	: 31%
		ENGINEER	: Takumi Shimada

**[IEEE802.11g]**

Ch	Freq.	Bit Rate	P/M(PK)	Cable	Atten.	Result		Limit		Margin
			Reading	Loss						
	[MHz]	[Mbps]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
Mid	2437.0	6.0	10.78	0.60	10.08	21.46	139.96	30.00	1000	8.54
Mid	2437.0	9.0	10.62	0.60	10.08	21.30	134.90	30.00	1000	8.70
Mid	2437.0	12.0	10.79	0.60	10.08	21.47	140.28	30.00	1000	8.53
Mid	2437.0	18.0	10.43	0.60	10.08	21.11	129.12	30.00	1000	8.89
Mid	2437.0	24.0	10.67	0.60	10.08	21.35	136.46	30.00	1000	8.65
Mid	2437.0	36.0	10.72	0.60	10.08	21.40	138.04	30.00	1000	8.60
Mid	2437.0	48.0	10.63	0.60	10.08	21.31	135.21	30.00	1000	8.69
Mid	2437.0	54.0	10.36	0.60	10.08	21.04	127.06	30.00	1000	8.96

**[IEEE802.11g]**

Ch	Freq.	Bit Rate	P/M(PK)	Cable	Atten.	Result		Limit		Margin
			Reading	Loss						
	[MHz]	[Mbps]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
Low	2412.0	12.0	10.85	0.60	10.08	21.53	142.23	30.00	1000	8.47
Mid	2437.0	12.0	10.79	0.60	10.08	21.47	140.28	30.00	1000	8.53
High	2462.0	12.0	10.10	0.60	10.08	20.78	119.67	30.00	1000	9.22

Sample Calculation:

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

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

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

\*Compared to UL Japan, Test Report No. 28BE0065-HO-02-A for the original model, difference in Maximum Peak Output Power is within +/- 0.5dB.

**Radiated Spurious Emission (below 1GHz)**  
**11b, Tx, Ch:Low, ANT0**

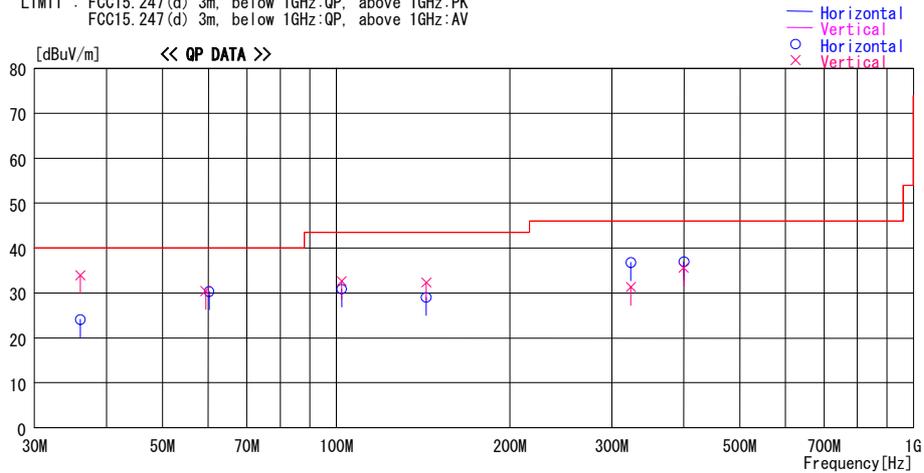
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/10

Company : Sony Computer Entertainment Inc. Report No. : 28FE0090-HO-01  
Kind of EUT : PLAYSTATION®3 Power : AC120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C. / 35%  
Serial No. : 1030177 Operator : Takumi Shimada

Mode / Remarks : WLAN 11b, Tx 2412MHz, 11Mbps(Worst), PN9, ANT0 (Worst), Max-axis(Hor:Y-axis, Ver:X-axis)

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	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
36.014	30.3	QP	15.8	-22.0	24.1	359	400	Hori.	40.0	15.9	
36.020	40.1	QP	15.8	-22.0	33.9	87	100	Vert.	40.0	6.1	
59.384	43.8	QP	8.3	-21.7	30.4	309	100	Vert.	40.0	9.6	
60.226	43.8	QP	8.2	-21.7	30.3	241	400	Hori.	40.0	9.7	
102.146	41.9	QP	10.2	-21.2	30.9	83	400	Hori.	43.5	12.6	
102.153	43.6	QP	10.2	-21.2	32.6	224	100	Vert.	43.5	10.9	
143.195	35.4	QP	14.4	-20.8	29.0	185	223	Hori.	43.5	14.5	
143.225	38.7	QP	14.4	-20.8	32.3	352	100	Vert.	43.5	11.2	
323.996	35.2	QP	15.2	-19.1	31.3	255	132	Vert.	46.0	14.7	
323.996	40.7	QP	15.2	-19.1	36.8	143	100	Hori.	46.0	9.2	
400.006	38.8	QP	17.4	-19.3	36.9	36	100	Hori.	46.0	9.1	
400.008	37.5	QP	17.4	-19.3	35.6	96	120	Vert.	46.0	10.4	

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 round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**11b, Tx, Ch:Mid, ANT0**

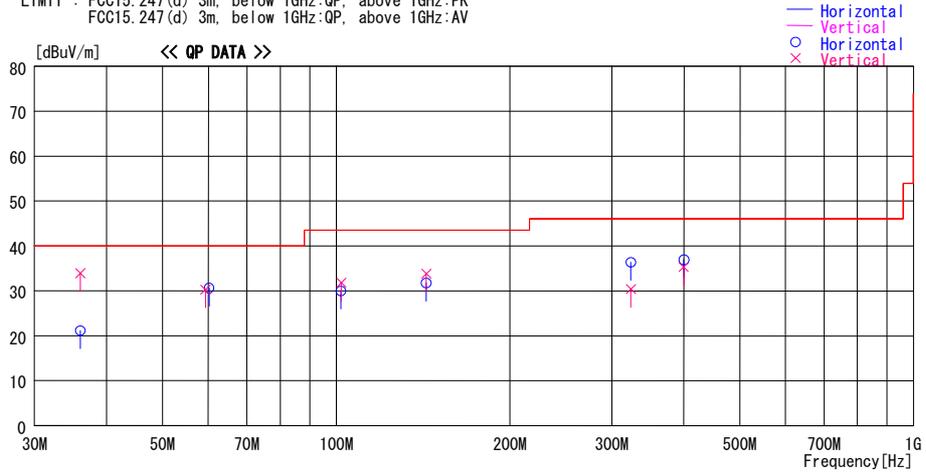
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/11

Company : Sony Computer Entertainment Inc. Report No. : 28FE0090-HO-01  
Kind of EUT : PLAYSTATION®3 Power : AC120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C. / 35%  
Serial No. : 1030177 Operator : Takumi Shimada

Mode / Remarks : WLAN 11b, Tx 2437MHz, 11Mbps(Worst), PN9, ANT0(Worst), Max-axis(Hor:Y-axis, Ver:X-axis)

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	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
60.198	44.1	QP	8.2	-21.7	30.6	221	400	Hori.	40.0	9.4	
36.024	40.1	QP	15.8	-22.0	33.9	83	100	Vert.	40.0	6.1	
36.022	27.4	QP	15.8	-22.0	21.2	359	400	Hori.	40.0	18.8	
59.364	43.7	QP	8.3	-21.7	30.3	303	100	Vert.	40.0	9.7	
101.883	41.0	QP	10.2	-21.2	30.0	87	400	Hori.	43.5	13.5	
143.183	40.2	QP	14.4	-20.8	33.8	346	100	Vert.	43.5	9.7	
143.174	38.2	QP	14.4	-20.8	31.8	210	190	Hori.	43.5	11.7	
101.992	42.8	QP	10.2	-21.2	31.8	245	100	Vert.	43.5	11.7	
323.997	40.3	QP	15.2	-19.1	36.4	139	100	Hori.	46.0	9.6	
323.994	34.3	QP	15.2	-19.1	30.4	184	143	Vert.	46.0	15.6	
400.007	38.8	QP	17.4	-19.3	36.9	32	100	Hori.	46.0	9.1	
400.008	37.2	QP	17.4	-19.3	35.3	101	116	Vert.	46.0	10.7	

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 round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**11b, Tx, Ch:High, ANT0**

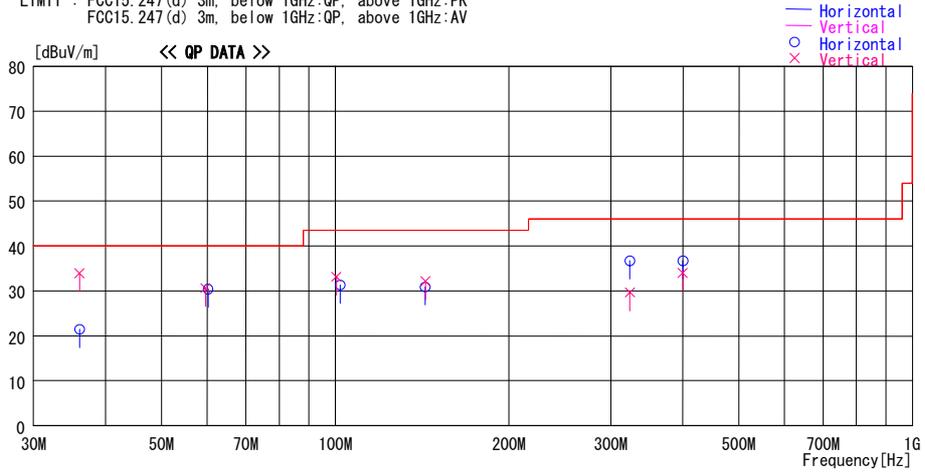
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/11

Company : Sony Computer Entertainment Inc. Report No. : 28FE0090-HO-01  
Kind of EUT : PLAYSTATION®3 Power : AC120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C. / 35%  
Serial No. : 1030177 Operator : Takumi Shimada

Mode / Remarks : WLAN 11b, Tx 2462MHz, 11Mbps(Worst), PN9, ANT0(Worst), Max-axis(Hor:Y-axis, Ver:X-axis)

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	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
36.032	40.1	QP	15.8	-22.0	33.9	85	100	Vert.	40.0	6.1	
36.032	27.6	QP	15.8	-22.0	21.4	359	400	Hori.	40.0	18.6	
59.566	44.0	QP	8.3	-21.7	30.6	317	100	Vert.	40.0	9.4	
60.211	43.9	QP	8.2	-21.7	30.4	220	400	Hori.	40.0	9.6	
100.495	44.3	QP	10.0	-21.2	33.1	260	100	Vert.	43.5	10.4	
102.031	42.3	QP	10.2	-21.2	31.3	91	400	Hori.	43.5	12.2	
143.226	37.3	QP	14.4	-20.8	30.9	178	220	Hori.	43.5	12.6	
143.228	38.5	QP	14.4	-20.8	32.1	342	100	Vert.	43.5	11.4	
323.993	40.6	QP	15.2	-19.1	36.7	136	100	Hori.	46.0	9.3	
323.996	33.5	QP	15.2	-19.1	29.6	177	160	Vert.	46.0	16.4	
400.004	35.9	QP	17.4	-19.3	34.0	104	115	Vert.	46.0	12.0	
400.006	38.6	QP	17.4	-19.3	36.7	31	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.

**Radiated Spurious Emission (below 1GHz)**  
**11g, Tx, Ch:Low, ANT0**

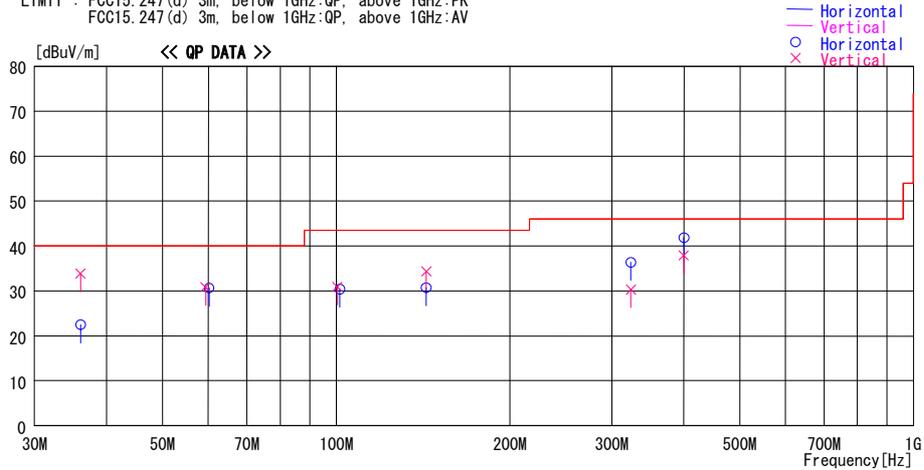
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/11

Company : Sony Computer Entertainment Inc. Report No. : 28FE0090-HO-01  
Kind of EUT : PLAYSTATION®3 Power : AC120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C. / 35%  
Serial No. : 1030177 Operator : Takumi Shimada

Mode / Remarks : WLAN 11g, Tx 2412MHz, 54Mbps(Worst), PN9, ANT0(Worst), Max-axis(Hor:Y-axis, Ver:X-axis)

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	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
36.033	28.7	QP	15.8	-22.0	22.5	359	400	Hori.	40.0	17.5	
36.034	40.0	QP	15.8	-22.0	33.8	88	100	Vert.	40.0	6.2	
59.376	44.2	QP	8.3	-21.7	30.8	323	100	Vert.	40.0	9.2	
60.215	44.1	QP	8.2	-21.7	30.6	234	400	Hori.	40.0	9.4	
100.488	42.1	QP	10.0	-21.2	30.9	244	100	Vert.	43.5	12.6	
101.395	41.5	QP	10.1	-21.2	30.4	100	400	Hori.	43.5	13.1	
143.183	37.1	QP	14.4	-20.8	30.7	195	235	Hori.	43.5	12.8	
143.187	40.7	QP	14.4	-20.8	34.3	349	100	Vert.	43.5	9.2	
323.992	40.3	QP	15.2	-19.1	36.4	134	100	Hori.	46.0	9.6	
323.997	34.2	QP	15.2	-19.1	30.3	184	165	Vert.	46.0	15.7	
400.004	43.8	QP	17.4	-19.3	41.9	33	100	Hori.	46.0	4.1	
400.006	39.8	QP	17.4	-19.3	37.9	105	105	Vert.	46.0	8.1	

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 round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**11g, Tx, Ch:Mid, ANT0**

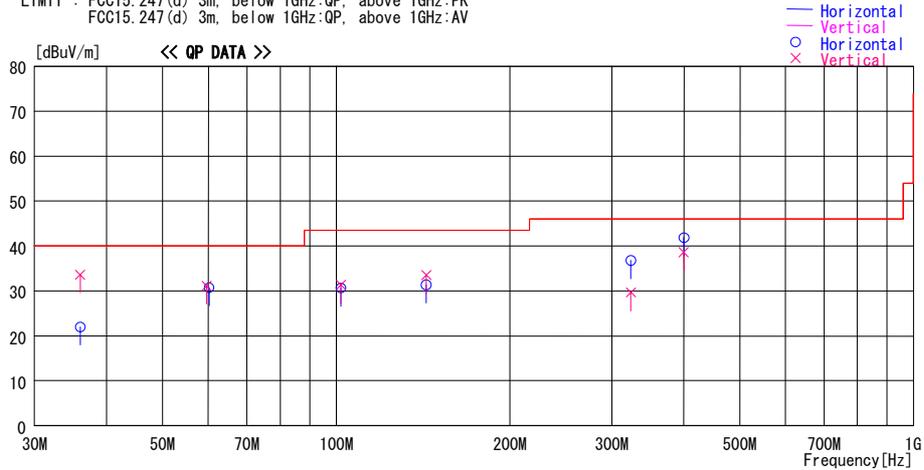
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/11

Company : Sony Computer Entertainment Inc. Report No. : 28FE0090-HO-01  
Kind of EUT : PLAYSTATION®3 Power : AC120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C. / 35%  
Serial No. : 1030177 Operator : Takumi Shimada

Mode / Remarks : WLAN 11g, Tx 2437MHz, 54Mbps(Worst), PN9, ANT0(Worst), Max-axis(Hor:Y-axis, Ver:X-axis)

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	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
35.991	28.2	QP	15.8	-22.0	22.0	359	400	Hori.	40.0	18.0	
35.994	39.8	QP	15.8	-22.0	33.6	81	100	Vert.	40.0	6.4	
59.591	44.5	QP	8.3	-21.7	31.1	338	100	Vert.	40.0	8.9	
60.212	44.2	QP	8.2	-21.7	30.7	222	400	Hori.	40.0	9.3	
101.847	41.6	QP	10.2	-21.2	30.6	103	400	Hori.	43.5	12.9	
101.852	42.3	QP	10.2	-21.2	31.3	256	100	Vert.	43.5	12.2	
143.154	37.8	QP	14.4	-20.8	31.4	178	210	Hori.	43.5	12.1	
143.180	39.9	QP	14.4	-20.8	33.5	343	100	Vert.	43.5	10.0	
323.996	33.5	QP	15.2	-19.1	29.6	187	166	Vert.	46.0	16.4	
323.997	40.7	QP	15.2	-19.1	36.8	139	100	Hori.	46.0	9.2	
400.008	43.8	QP	17.4	-19.3	41.9	36	100	Hori.	46.0	4.1	
400.009	40.5	QP	17.4	-19.3	38.6	103	107	Vert.	46.0	7.4	

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 round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**11g, Tx, Ch:High, ANT0**

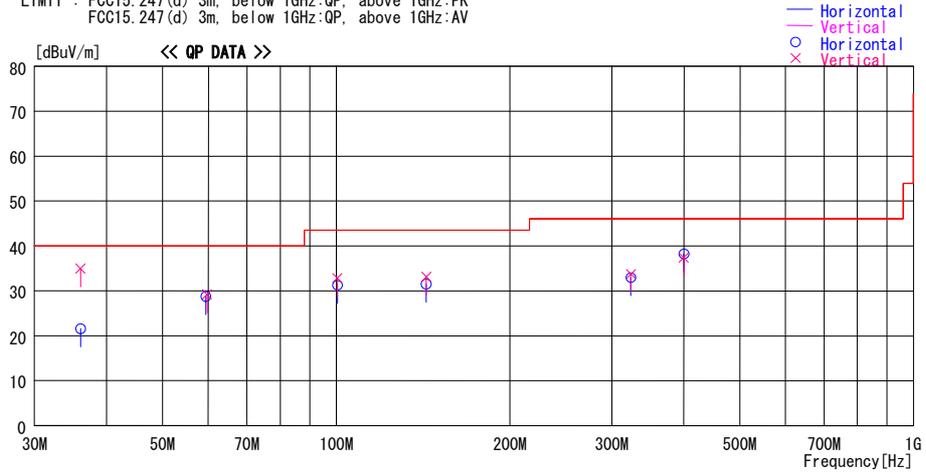
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/11

Company : Sony Computer Entertainment Inc. Report No. : 28FE0090-HO-01  
Kind of EUT : PLAYSTATION®3 Power : AC120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C. / 35%  
Serial No. : 1030177 Operator : Takumi Shimada

Mode / Remarks : WLAN 11g, Tx 2462MHz, 54Mbps(Worst), PN9, ANT0(Worst), Max-axis(Hor:Y-axis, Ver:X-axis)

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	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
36.033	27.8	QP	15.8	-22.0	21.6	359	400	Hori.	40.0	18.4	
36.030	41.1	QP	15.8	-22.0	34.9	86	100	Vert.	40.0	5.1	
59.437	42.2	QP	8.3	-21.7	28.8	243	400	Hori.	40.0	11.2	
59.742	42.6	QP	8.3	-21.7	29.2	349	100	Vert.	40.0	10.8	
100.467	42.5	QP	10.0	-21.2	31.3	113	322	Hori.	43.5	12.2	
100.370	44.0	QP	10.0	-21.2	32.8	226	100	Vert.	43.5	10.7	
143.191	37.9	QP	14.4	-20.8	31.5	170	234	Hori.	43.5	12.0	
143.174	39.5	QP	14.4	-20.8	33.1	321	100	Vert.	43.5	10.4	
323.999	36.9	QP	15.2	-19.1	33.0	355	100	Hori.	46.0	13.0	
323.994	37.7	QP	15.2	-19.1	33.8	150	100	Vert.	46.0	12.3	
400.000	40.1	QP	17.4	-19.3	38.2	36	100	Hori.	46.0	7.8	
400.000	39.3	QP	17.4	-19.3	37.4	94	100	Vert.	46.0	8.6	

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 round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (below 1GHz)**  
**Rx, Ch:Mid, ANT0**

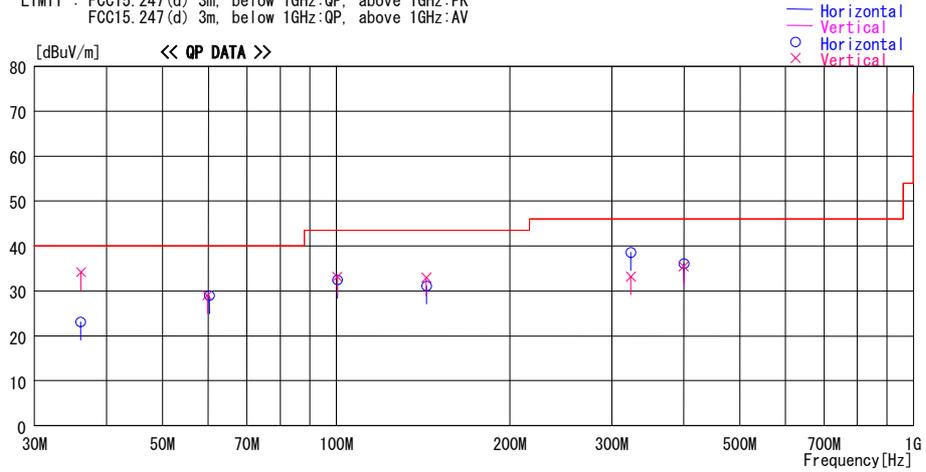
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Date : 2008/01/11

Company : Sony Computer Entertainment Inc. Report No. : 28FE0090-HO-01  
Kind of EUT : PLAYSTATION®3 Power : AC120V / 60Hz  
Model No. : CECHJ01 Temp./Humi. : 25deg. C. / 35%  
Serial No. : 1030177 Operator : Takumi Shimada

Mode / Remarks : WLAN 11b/11g, Rx 2437MHz, PN9, ANT0(Worst), Max-axis(Hor:Y-axis, Ver:X-axis)

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	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Gain [dB]							
36.032	29.3	QP	15.8	-22.0	23.1	68	400	Hori.	40.0	16.9	
36.130	40.4	QP	15.7	-22.0	34.1	75	100	Vert.	40.0	5.9	
59.810	42.4	QP	8.3	-21.7	29.0	346	100	Vert.	40.0	11.0	
60.258	42.5	QP	8.2	-21.7	29.0	239	400	Hori.	40.0	11.0	
100.484	43.6	QP	10.0	-21.2	32.4	107	305	Hori.	43.5	11.1	
100.420	44.3	QP	10.0	-21.2	33.1	253	100	Vert.	43.5	10.4	
143.259	37.6	QP	14.4	-20.8	31.2	207	223	Hori.	43.5	12.3	
143.226	39.3	QP	14.4	-20.8	32.9	322	100	Vert.	43.5	10.6	
323.993	37.1	QP	15.2	-19.1	33.2	157	100	Vert.	46.0	12.8	
323.999	42.4	QP	15.2	-19.1	38.5	141	100	Hori.	46.0	7.5	
400.000	38.0	QP	17.4	-19.3	36.1	35	100	Hori.	46.0	9.9	
400.000	37.3	QP	17.4	-19.3	35.4	80	100	Vert.	46.0	10.6	

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 round off to one or two decimal places, so some differences might be observed.

**Radiated Spurious Emission (above 1GHz)**  
**11b, Tx, Ch:Low, ANT0**

UL Japan, Inc..

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION®3  
Model : CECHJ01  
S/N : 1030177  
Power : AC 120V / 60Hz  
Mode : 11b, Tx 2412MHz, PN9, Ant0, 11Mbps  
Position : H: Y-axis, V: X-axis

Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Regulation : FCC15.247(d) / RSS-210 A8.5  
Test Distance : 3m / 1m  
Date : 01/10/2008  
Temperature : 25deg.C.  
Humidity : 35%  
Engineer : Takumi Shimada

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1946.20	62.3	54.6	26.4	32.4	3.3	0.0	59.6	51.9	74.0	14.4	22.1
2	2390.00	57.1	60.1	27.1	32.5	3.8	0.0	55.5	58.5	74.0	18.5	15.5
3 **	2400.00	60.9	64.4	27.1	32.5	3.8	0.0	59.3	62.8	74.0	-	-
4	3187.28	56.8	57.0	28.7	32.0	4.5	0.0	58.0	58.2	74.0	16.0	15.8
5	4824.00	42.0	41.7	31.3	31.4	5.5	0.7	48.1	47.8	74.0	25.9	26.2
6	7236.00	41.9	41.1	35.8	31.0	6.2	0.6	53.5	52.7	74.0	20.5	21.3
7	9648.00	41.4	41.7	38.6	31.4	7.3	0.9	56.8	57.1	74.0	17.2	16.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
8	12060.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
9	14472.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
10	16884.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
11	19296.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
12	21708.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
13	24120.00	45.4	44.4	40.7	30.0	11.0	0.0	57.6	56.6	74.0	16.4	17.4

\*\* Reference data

**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	1946.20	31.3	31.1	26.4	32.4	3.3	0.0	28.6	28.4	54.0	25.4	25.6
2	2390.00	45.3	48.2	27.1	32.5	3.8	0.0	43.7	46.6	54.0	10.3	7.4
3 **	2400.00	48.8	51.4	27.1	32.5	3.8	0.0	47.2	49.8	54.0	-	-
4	3187.28	33.6	34.7	28.7	32.0	4.5	0.0	34.8	35.9	54.0	19.2	18.1
5	4824.00	27.5	27.3	31.3	31.4	5.5	0.7	33.6	33.4	54.0	20.4	20.6
6	7236.00	27.8	27.9	35.8	31.0	6.2	0.6	39.4	39.5	54.0	14.6	14.5
7	9648.00	28.1	28.2	38.6	31.4	7.3	0.9	43.5	43.6	54.0	10.5	10.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
8	12060.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
9	14472.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
10	16884.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
11	19296.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
12	21708.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
13	24120.00	32.0	31.9	40.7	30.0	11.0	0.0	44.2	44.1	54.0	9.8	9.9

\*\* Reference data

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
0	2412.00	104.5	107.9	27.1	32.5	3.9	0.0	103.0	106.4	-	-	-
3	2400.00	50.2	50.8	27.1	32.5	3.8	0.0	48.6	49.2	Funda-20dB	34.4	37.2

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 second 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.

**Radiated Spurious Emission (above 1GHz)**  
**11b, Tx, Ch:Mid, ANT0**

UL Japan, Inc.

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION®3  
Model : CECHJ01  
S/N : 1030177  
Power : AC 120V / 60Hz  
Mode : 11b, Tx 2437MHz, PN9, Ant0, 11Mbps  
Position : H: Y-axis, V: X-axis

Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Regulation : FCC15.247(d) / RSS-210 A8.5  
Test Distance : 3m / 1m  
Date : 01/10/2008  
Temperature : 25deg.C.  
Humidity : 35%  
Engineer : Takumi Shimada

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1947.80	55.5	65.1	26.4	32.4	3.4	0.0	52.9	62.5	74.0	21.1	11.5
2	3188.95	56.2	58.1	28.7	32.0	4.5	0.0	57.4	59.3	74.0	16.6	14.7
3	4874.00	42.4	42.1	31.4	31.4	5.5	0.7	48.6	48.3	74.0	25.4	25.7
4	7311.00	42.8	43.3	35.9	31.0	6.4	0.6	54.7	55.2	74.0	19.3	18.8
5	9748.00	43.4	43.1	38.7	31.4	7.4	0.9	59.0	58.7	74.0	15.0	15.3
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
6	12185.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
7	14622.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
8	17059.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
9	19496.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
10	21933.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
11	24370.00	45.9	45.8	40.7	30.0	11.1	0.0	58.2	58.1	74.0	15.8	15.9

**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	1947.80	29.9	33.1	26.4	32.4	3.4	0.0	27.3	30.5	54.0	26.7	23.5
2	3188.95	32.1	35.5	28.7	32.0	4.5	0.0	33.3	36.7	54.0	20.7	17.3
3	4874.00	28.1	29.2	31.4	31.4	5.5	0.7	34.3	35.4	54.0	19.7	18.6
4	7311.00	27.5	29.6	35.9	31.0	6.4	0.6	39.4	41.5	54.0	14.6	12.5
5	9748.00	28.1	29.8	38.7	31.4	7.4	0.9	43.7	45.4	54.0	10.3	8.6
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
6	12185.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
7	14622.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
8	17059.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
9	19496.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
10	21933.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
11	24370.00	32.2	32.2	40.7	30.0	11.1	0.0	44.5	44.5	54.0	9.5	9.5

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 second 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.

**Radiated Spurious Emission (above 1GHz)**  
**11b, Tx, Ch:High, ANT0**

UL Japan, Inc.

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION®3  
Model : CECHJ01  
S/N : 1030177  
Power : AC 120V / 60Hz  
Mode : 11b, Tx 2462MHz, PN9, Ant0, 11Mbps  
Position : H: Y-axis, V: X-axis

Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Regulation : FCC15.247(d) / RSS-210 A8.5  
Test Distance : 3m / 1m  
Date : 01/10/2008  
Temperature : 25deg.C.  
Humidity : 35%  
Engineer : Takumi Shimada

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

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit PK [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1944.84	62.4	65.0	26.4	32.4	3.3	0.0	59.7	62.3	74.0	14.3	11.7
2	2483.50	53.8	56.8	27.2	32.5	3.9	0.0	52.4	55.4	74.0	21.6	18.6
3	3187.53	55.8	55.6	28.7	32.0	4.5	0.0	57.0	56.8	74.0	17.0	17.2
4	4924.00	40.7	41.3	31.5	31.4	5.5	0.7	47.0	47.6	74.0	27.0	26.4
5	7386.00	41.3	40.7	36.1	31.0	6.4	0.6	53.4	52.8	74.0	20.6	21.2
6	9848.00	41.3	41.6	38.8	31.4	7.4	0.9	57.0	57.3	74.0	17.0	16.7
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
7	12310.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
8	14772.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
9	17234.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
10	19696.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
11	22158.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
12	24620.00	43.9	43.8	40.8	30.1	11.3	0.0	56.4	56.3	74.0	17.6	17.7

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

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit AV [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1944.84	31.7	32.4	26.4	32.4	3.3	0.0	29.0	29.7	54.0	25.0	24.3
2	2483.50	41.1	44.8	27.2	32.5	3.9	0.0	39.7	43.4	54.0	14.3	10.6
3	3187.53	33.6	33.6	28.7	32.0	4.5	0.0	34.8	34.8	54.0	19.2	19.2
4	4924.00	27.4	27.5	31.5	31.4	5.5	0.7	33.7	33.8	54.0	20.3	20.2
5	7386.00	27.4	27.3	36.1	31.0	6.4	0.6	39.5	39.4	54.0	14.5	14.6
6	9848.00	28.4	28.3	38.8	31.4	7.4	0.9	44.1	44.0	54.0	9.9	10.0
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
7	12310.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
8	14772.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
9	17234.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
10	19696.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
11	22158.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
12	24620.00	31.2	31.1	40.8	30.1	11.3	0.0	43.7	43.6	54.0	10.3	10.4

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 second 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.

**Radiated Spurious Emission (above 1GHz)**  
**11g, Tx, Ch:Low, ANT0**

UL Japan, Inc..

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION®3  
Model : CECHJ01  
S/N : 1030177  
Power : AC 120V / 60Hz  
Mode : 11g, Tx 2412MHz, PN9, Ant0, 54Mbps  
Position : H: Y-axis, V: X-axis

Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Regulation : FCC15.247(d) / RSS-210 A8.5  
Test Distance : 3m / 1m  
Date : 01/10/2008  
Temperature : 25deg.C.  
Humidity : 35%  
Engineer : Takumi Shimada

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

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit PK [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1948.57	59.1	64.9	26.4	32.4	3.4	0.0	56.5	62.3	74.0	17.5	11.7
2	2390.00	60.4	62.2	27.1	32.5	3.8	0.0	58.8	60.6	74.0	15.2	13.4
3 **	2400.00	75.3	77.7	27.1	32.5	3.8	0.0	73.7	76.1	74.0	-	-
4	3197.57	52.6	49.8	28.7	32.0	4.5	0.0	53.8	51.0	74.0	20.2	23.0
5	4824.00	41.6	42.4	31.3	31.4	5.5	0.7	47.7	48.5	74.0	26.3	25.5
6	7236.00	42.9	43.3	35.8	31.0	6.2	0.6	54.5	54.9	74.0	19.5	19.1
7	9648.00	43.9	42.8	38.6	31.4	7.3	0.9	59.3	58.2	74.0	14.7	15.8
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
8	12060.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
9	14472.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
10	16884.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
11	19296.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
12	21708.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
13	24120.00	45.1	45.0	40.7	30.0	11.0	0.0	57.3	57.2	74.0	16.7	16.8

\*\* Reference data

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

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit AV [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1948.57	30.9	31.7	26.4	32.4	3.4	0.0	28.3	29.1	54.0	25.7	24.9
2	2390.00	42.8	44.6	27.1	32.5	3.8	0.0	41.2	43.0	54.0	12.8	11.0
3 **	2400.00	53.3	55.7	27.1	32.5	3.8	0.0	51.7	54.1	54.0	-	-
4	3197.57	32.7	31.9	28.7	32.0	4.5	0.0	33.9	33.1	54.0	20.1	20.9
5	4824.00	28.6	28.6	31.3	31.4	5.5	0.7	34.7	34.7	54.0	19.3	19.3
6	7236.00	29.5	29.5	35.8	31.0	6.2	0.6	41.1	41.1	54.0	12.9	12.9
7	9648.00	29.8	29.9	38.6	31.4	7.3	0.9	45.2	45.3	54.0	8.8	8.7
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
8	12060.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
9	14472.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
10	16884.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
11	19296.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
12	21708.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
13	24120.00	31.7	31.7	40.7	30.0	11.0	0.0	43.9	43.9	54.0	10.1	10.1

\*\* Reference data

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

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit 20dBc [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
0	2412.00	90.8	93.1	27.1	32.5	3.9	0.0	89.3	91.6	-	-	-
3	2400.00	59.1	61.4	27.1	32.5	3.8	0.0	57.5	59.8	Funda-20dB	11.8	11.8

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 sencond 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.

**Radiated Spurious Emission (above 1GHz)**  
**11g, Tx, Ch:Mid, ANT0**

UL Japan, Inc.

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION®3  
Model : CECHJ01  
S/N : 1030177  
Power : AC 120V / 60Hz  
Mode : 11g, Tx 2437MHz, PN9, Ant0, 54Mbps  
Position : H: Y-axis, V: X-axis

Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Regulation : FCC15.247(d) / RSS-210 A8.5  
Test Distance : 3m / 1m  
Date : 01/10/2008  
Temperature : 25deg.C.  
Humidity : 35%  
Engineer : Takumi Shimada

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1946.76	60.4	64.6	26.4	32.4	3.3	0.0	57.7	61.9	74.0	16.3	12.1
2	3188.95	52.2	50.9	28.7	32.0	4.5	0.0	53.4	52.1	74.0	20.6	21.9
3	4874.00	42.9	42.3	31.4	31.4	5.5	0.7	49.1	48.5	74.0	24.9	25.5
4	7311.00	42.9	43.1	35.9	31.0	6.4	0.6	54.8	55.0	74.0	19.2	19.0
5	9748.00	42.3	42.8	38.7	31.4	7.4	0.9	57.9	58.4	74.0	16.1	15.6
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
6	12185.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
7	14622.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
8	17059.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
9	19496.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
10	21933.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
11	24370.00	44.8	45.2	40.7	30.0	11.1	0.0	57.1	57.5	74.0	16.9	16.5

**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	1946.76	31.2	32.1	26.4	32.4	3.3	0.0	28.5	29.4	54.0	25.5	24.6
2	3188.95	32.7	32.5	28.7	32.0	4.5	0.0	33.9	33.7	54.0	20.1	20.3
3	4874.00	29.0	29.0	31.4	31.4	5.5	0.7	35.2	35.2	54.0	18.8	18.8
4	7311.00	29.5	29.4	35.9	31.0	6.4	0.6	41.4	41.3	54.0	12.6	12.7
5	9748.00	29.7	29.7	38.7	31.4	7.4	0.9	45.3	45.3	54.0	8.7	8.7
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
6	12185.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
7	14622.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
8	17059.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
9	19496.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
10	21933.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
11	24370.00	32.2	32.2	40.7	30.0	11.1	0.0	44.5	44.5	54.0	9.5	9.5

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 Fiter was not used for factor 0.0dB of the above table.  
\*In the frequency over the second 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.

**Radiated Spurious Emission (above 1GHz)**  
**11g, Tx, Ch:High, ANT0**

UL Japan, Inc.

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION®3  
Model : CECHJ01  
S/N : 1030177  
Power : AC 120V / 60Hz  
Mode : 11g, Tx 2462MHz, PN9, Ant0, 54Mbps  
Position : H: Y-axis, V: X-axis

Head Office EMC Lab. No.2 Semi Anechoic Chamber  
Regulation : FCC15.247(d) / RSS-210 A8.5  
Test Distance : 3m / 1m  
Date : 01/10/2008  
Temperature : 25deg.C.  
Humidity : 35%  
Engineer : Takumi Shimada

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

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit PK [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1943.34	59.8	64.6	26.4	32.4	3.3	0.0	57.1	61.9	74.0	16.9	12.1
2	2483.50	57.3	58.8	27.2	32.5	3.9	0.0	55.9	57.4	74.0	18.1	16.6
3	3187.75	52.6	52.3	28.7	32.0	4.5	0.0	53.8	53.5	74.0	20.2	20.5
4	4924.00	42.3	41.5	31.5	31.4	5.5	0.7	48.6	47.8	74.0	25.4	26.2
5	7386.00	42.7	43.1	36.1	31.0	6.4	0.6	54.8	55.2	74.0	19.2	18.8
6	9848.00	42.8	43.1	38.8	31.4	7.4	0.9	58.5	58.8	74.0	15.5	15.2
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
7	12310.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
8	14772.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
9	17234.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
10	19696.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
11	22158.00	No detect	No detect	-	-	-	-	-	-	74.0	-	-
12	24620.00	44.1	44.6	40.8	30.1	11.3	0.0	56.6	57.1	74.0	17.4	16.9

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

No.	FREQ [MHz]	S/A READING [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT [dBuV/m]		Limit AV [dBuV/m]	MARGIN [dB]	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1943.34	30.9	31.8	26.4	32.4	3.3	0.0	28.2	29.1	54.0	25.8	24.9
2	2483.50	38.9	39.8	27.2	32.5	3.9	0.0	37.5	38.4	54.0	16.5	15.6
3	3187.75	32.6	32.6	28.7	32.0	4.5	0.0	33.8	33.8	54.0	20.2	20.2
4	4924.00	28.7	28.8	31.5	31.4	5.5	0.7	35.0	35.1	54.0	19.0	18.9
5	7386.00	29.5	29.6	36.1	31.0	6.4	0.6	41.6	41.7	54.0	12.4	12.3
6	9848.00	29.7	29.8	38.8	31.4	7.4	0.9	45.4	45.5	54.0	8.6	8.5
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
7	12310.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
8	14772.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
9	17234.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
10	19696.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
11	22158.00	No detect	No detect	-	-	-	-	-	-	54.0	-	-
12	24620.00	31.1	31.1	40.8	30.1	11.3	0.0	43.6	43.6	54.0	10.4	10.4

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 second 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.

**Radiated Spurious Emission (above 1GHz)**  
**Rx, Ch:Mid, ANT0**

UL Japan, Inc.

Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION®3  
Model : CECHJ01  
S/N : 1030177  
Power : AC 120V / 60Hz  
Mode : 11b / 11g, Rx 2437MHz, Ant0  
Position : H: Y-axis, V: X-axis

Regulation : FCC15.247(d) / RSS-210 A8.5  
Test Distance : 3m  
Date : 01/10/2008  
Temperature : 25deg.C.  
Humidity : 35%  
Engineer : Takumi Shimada

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

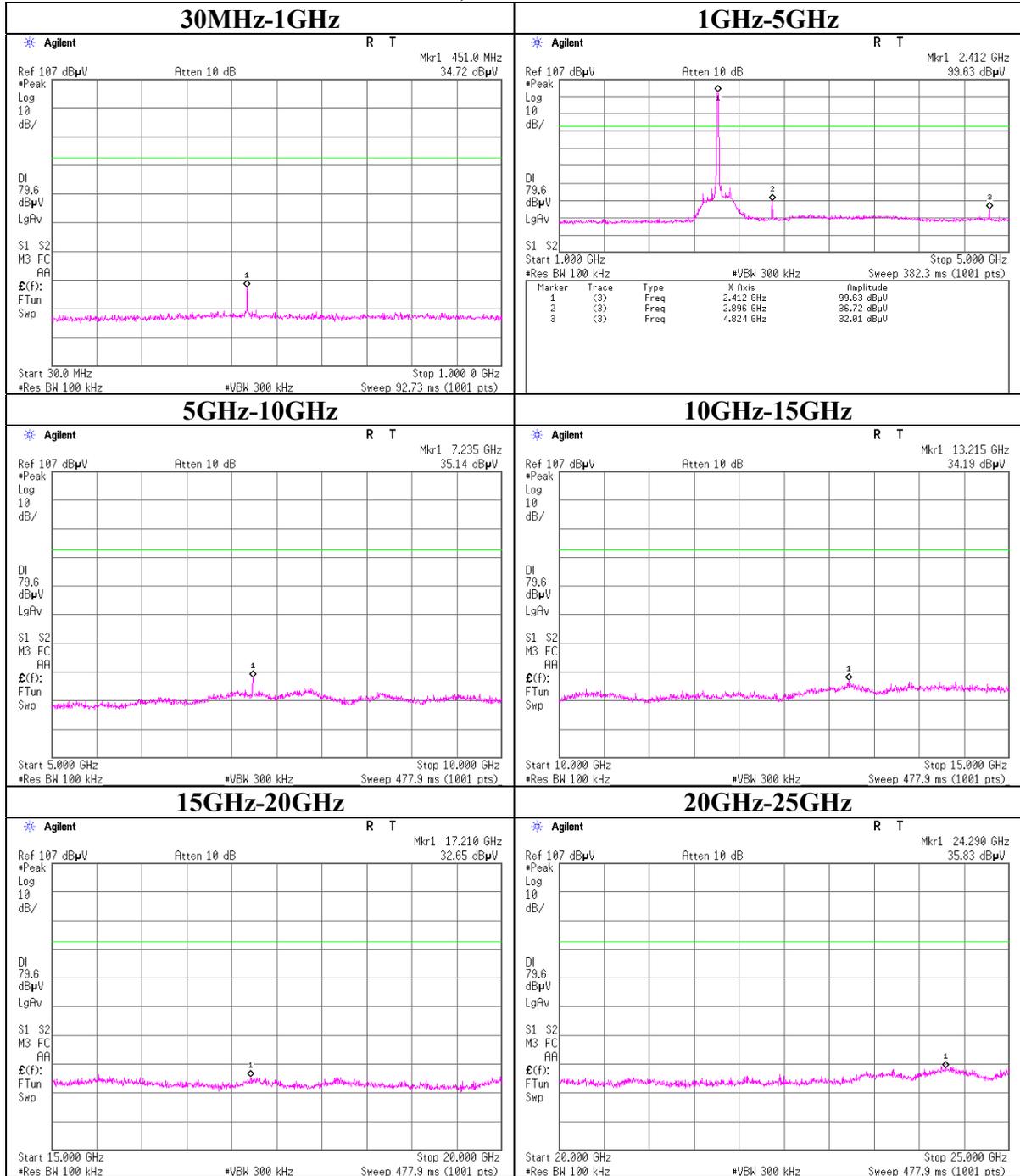
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN			
		HOR	VER					HOR	VER		HOR	VER		
		[dBuV]		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss										
1	1943.64	60.3	65.5	26.4	32.4	3.3	0.0	57.6	62.8	74.0	16.4	11.2		
2	3188.88	51.5	52.7	28.7	32.0	4.5	0.0	52.7	53.9	74.0	21.3	20.1		
3	4874.00	42.9	42.4	31.4	31.4	5.0	0.0	47.9	47.4	74.0	26.1	26.6		
4	7311.00	43.0	42.8	35.9	31.0	5.8	0.0	53.7	53.5	74.0	20.3	20.5		
5	9748.00	42.5	42.4	38.7	31.4	6.8	0.0	56.6	56.5	74.0	17.4	17.5		

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

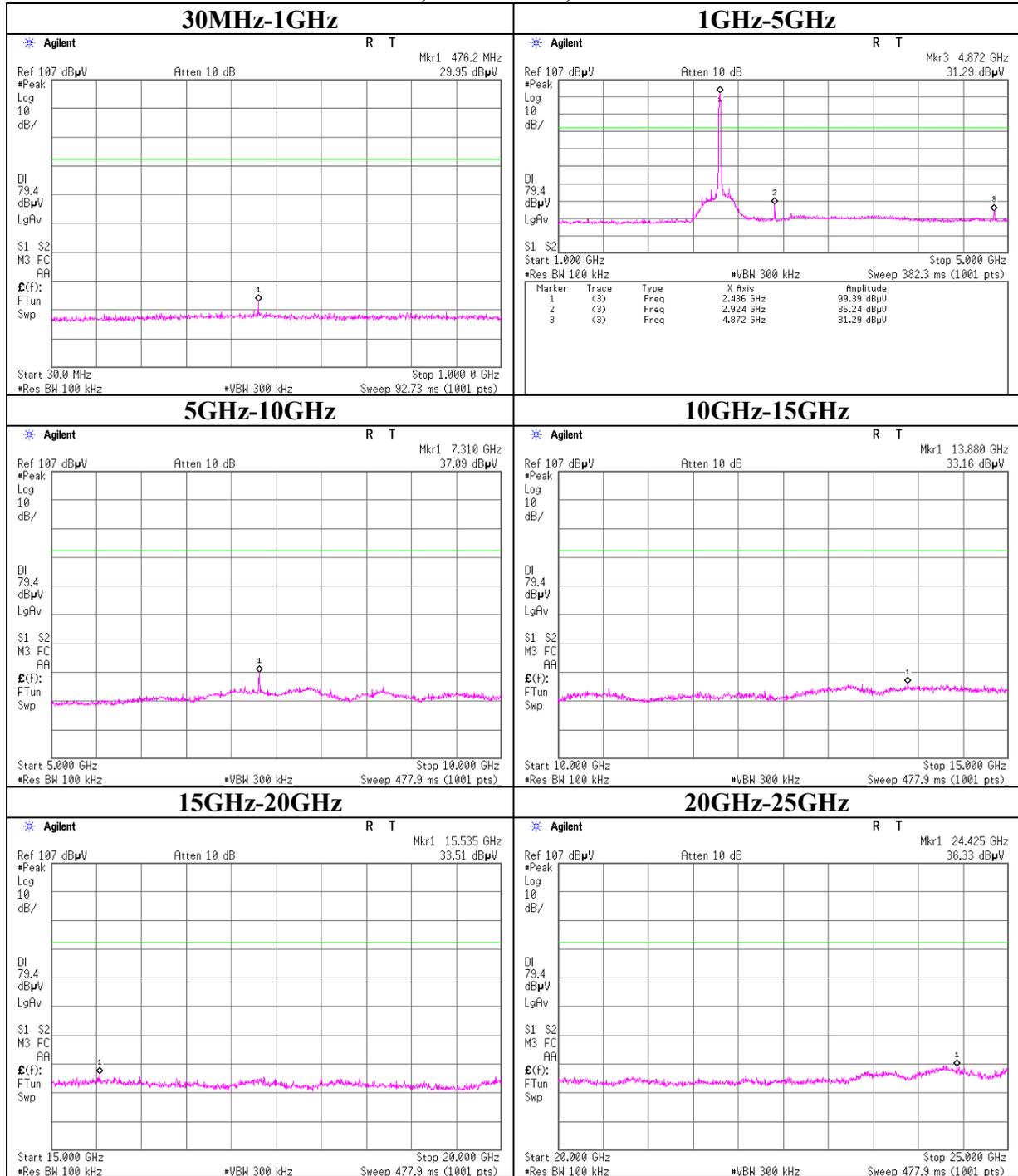
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN			
		HOR	VER					HOR	VER		HOR	VER		
		[dBuV]		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss										
1	1943.64	31.2	32.2	26.4	32.4	3.3	0.0	28.5	29.5	54.0	25.5	24.5		
2	3188.88	32.5	32.8	28.7	32.0	4.5	0.0	33.7	34.0	54.0	20.3	20.0		
3	4874.00	28.9	28.9	31.4	31.4	5.0	0.0	33.9	33.9	54.0	20.1	20.1		
4	7311.00	29.5	29.5	35.9	31.0	5.8	0.0	40.2	40.2	54.0	13.8	13.8		
5	9748.00	29.7	29.6	38.7	31.4	6.8	0.0	43.8	43.7	54.0	10.2	10.3		

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

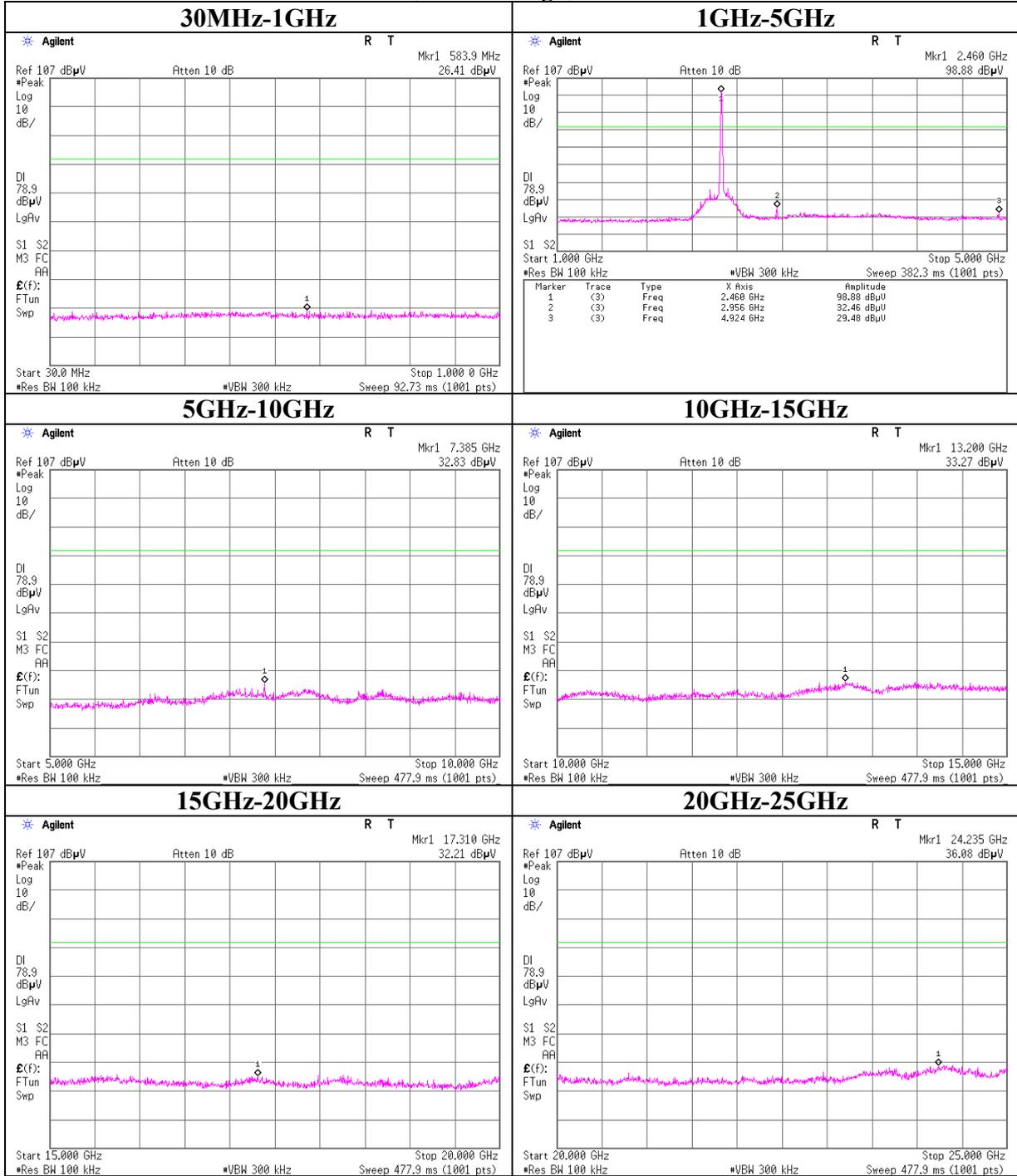
**Conducted Spurious Emission**  
**11b, Tx Ch: Low**



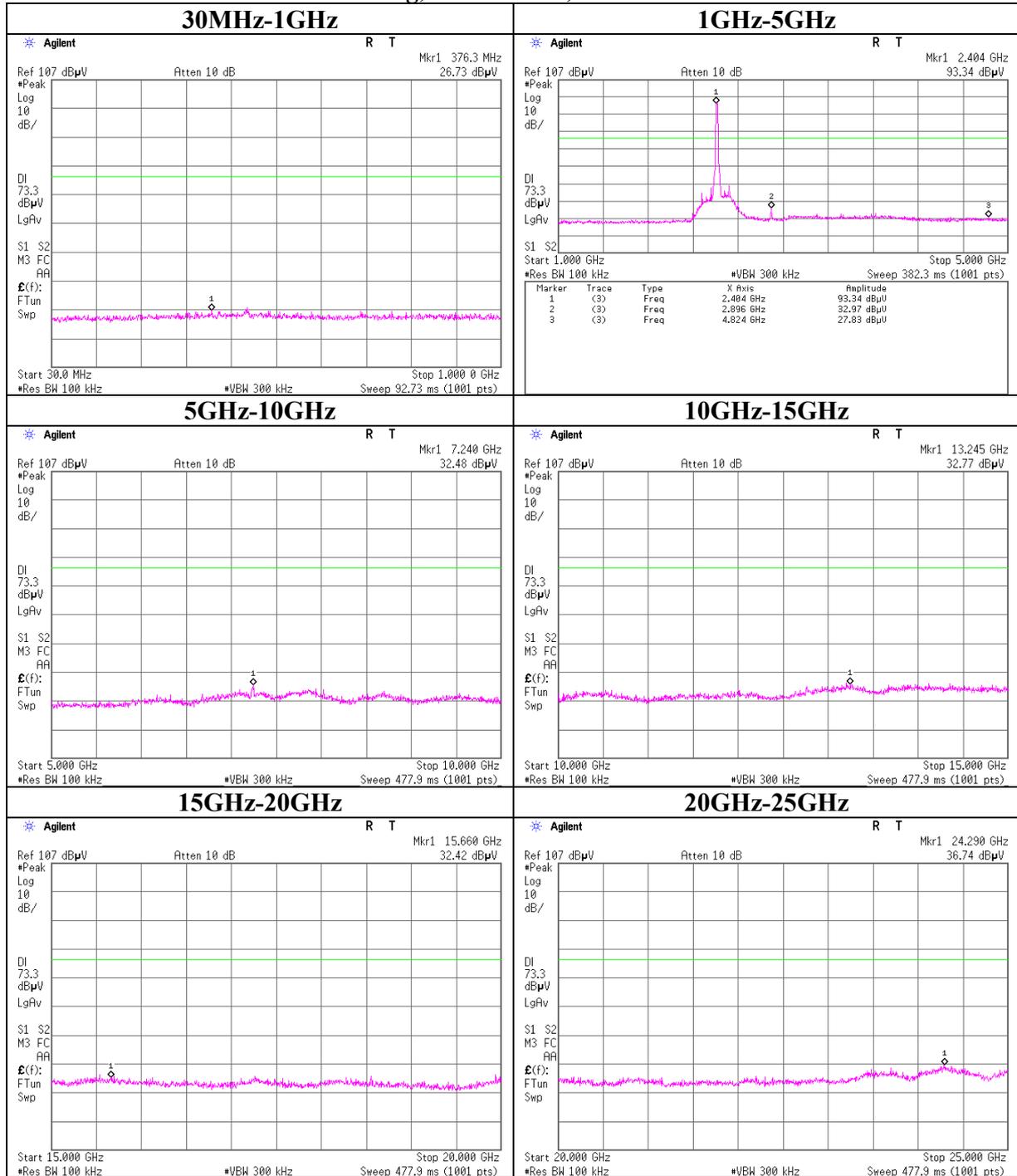
**Conducted Spurious Emission**  
**11b, Tx Ch: Mid, ANT1**



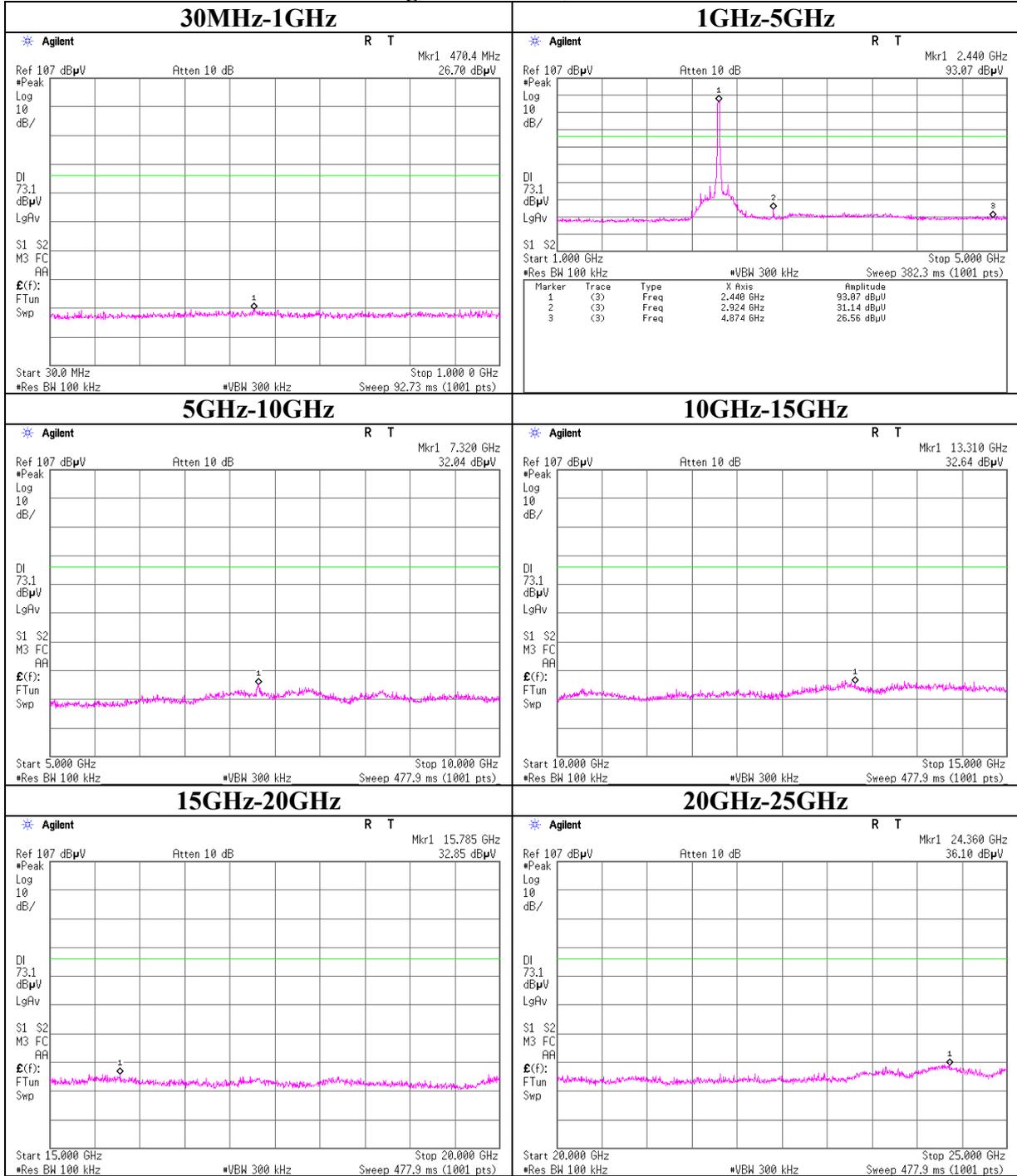
**Conducted Spurious Emission**  
**11b, Tx Ch: High, ANT1**



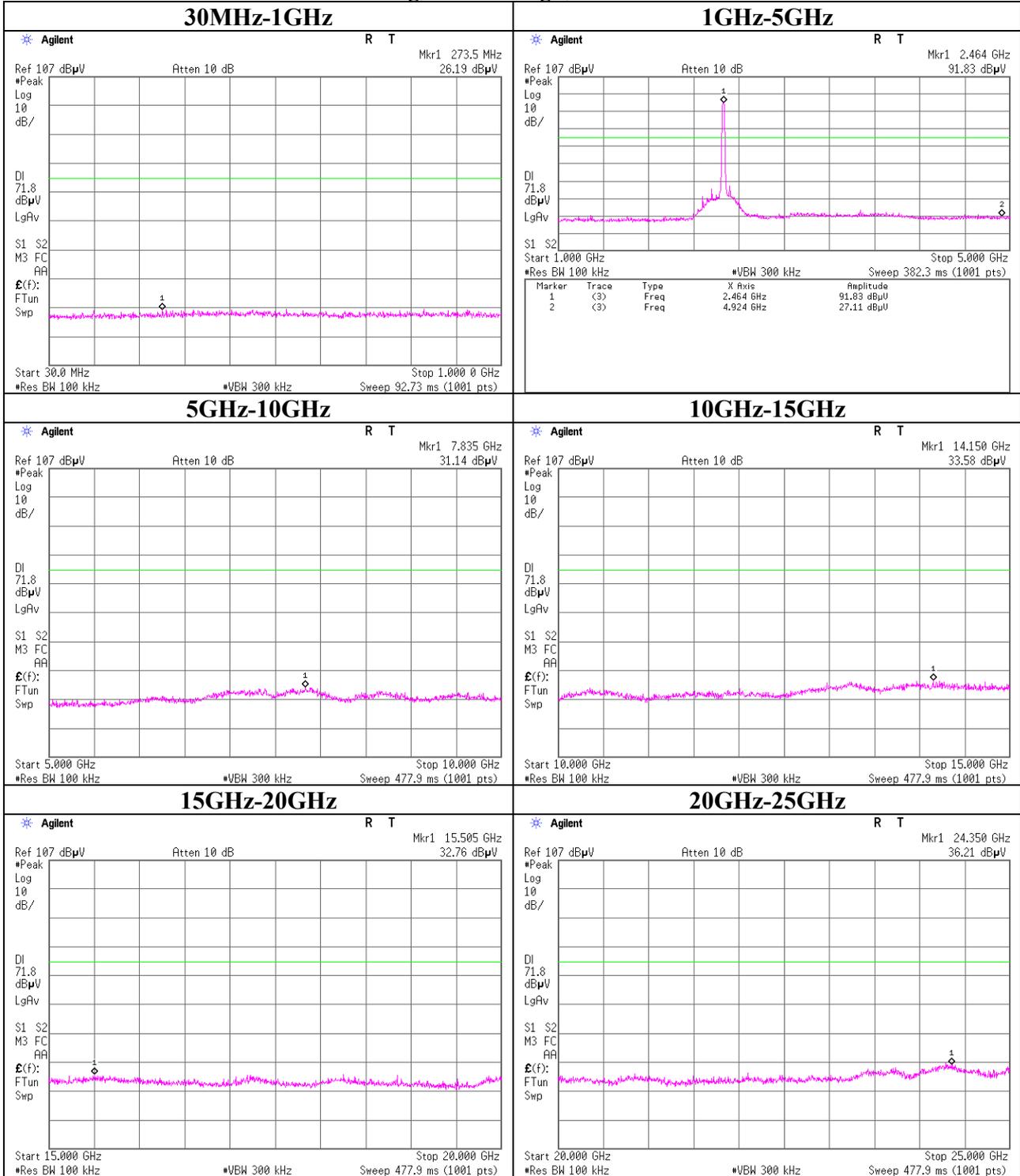
**Conducted Spurious Emission**  
**11g, Tx Ch: Low, ANT1**



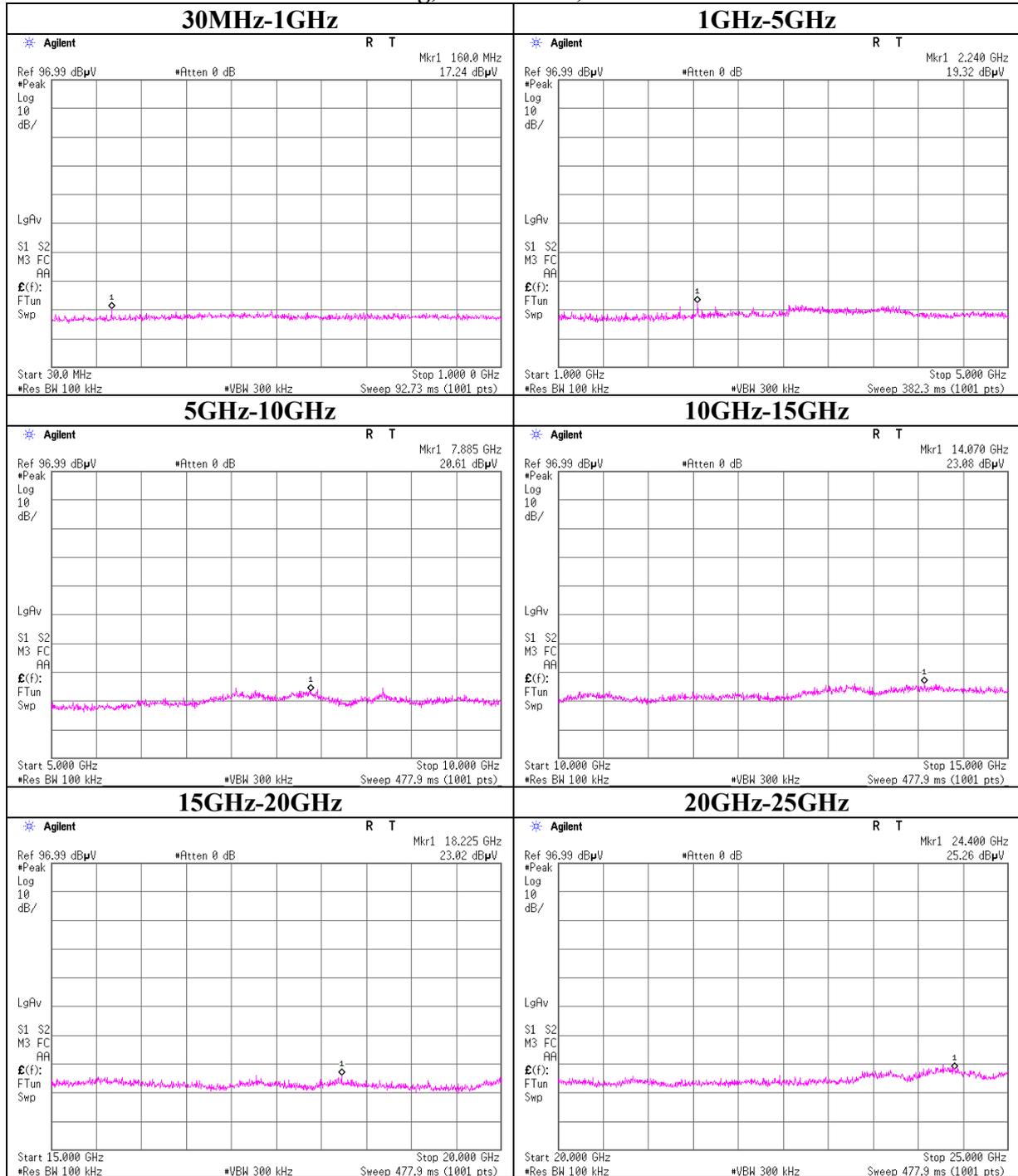
**Conducted Spurious Emission**  
**11g, Tx Ch: Mid, ANT1**



**Conducted Spurious Emission**  
**11g, Tx Ch: High, ANT1**

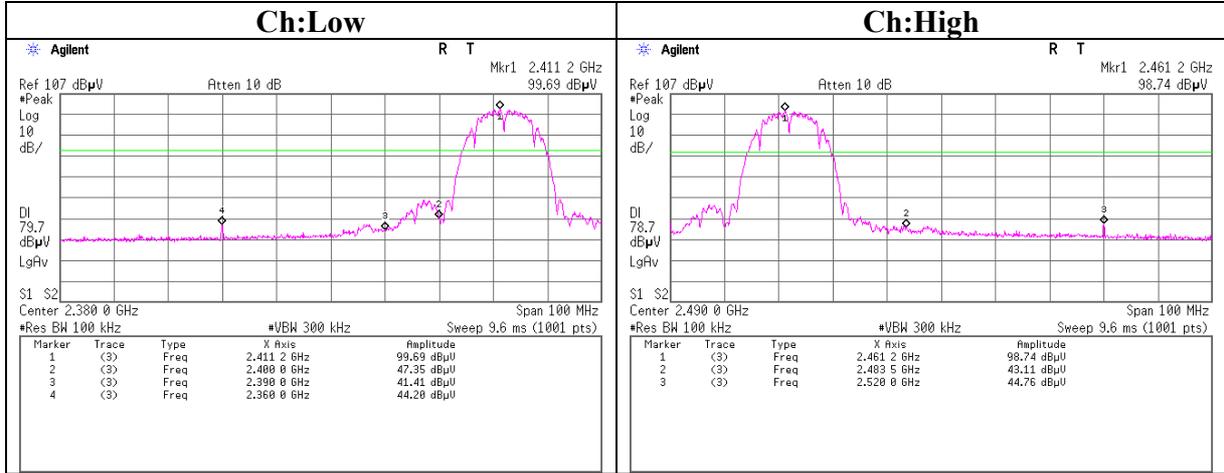


**Conducted Spurious Emission**  
**11b/g, Rx Ch: Mid, ANT1**

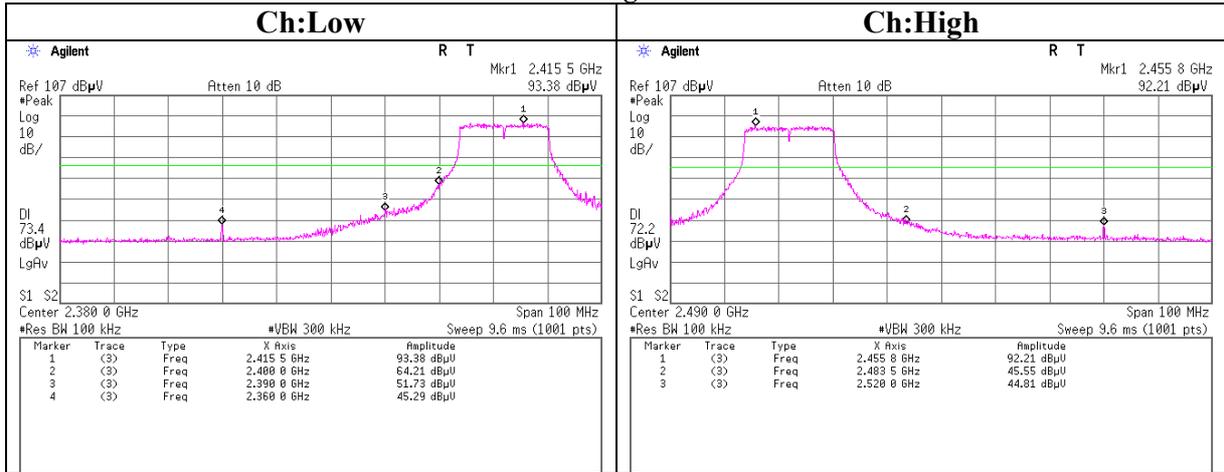


**Conducted emission Band Edge compliance**

**IEEE802.11b**



**11g**



**Power Density**  
**ANT1**

Head Office EMC Lab. No.7 Shielded Room

COMPANY	: Sony Computer Entertainment Inc.	REGULATION	: FCC15.247(e)/RSS-210A8.2(b)
EQUIPMENT	: PLAYSTATION@3	TEST DISTANCE	: -
MODEL	: CECHJ01	DATE	: 1/21/2008
SAMPLE NO.	: 1050034	TEMPERATURE	: 24deg.C.
POWER	: AC120V/60Hz	HUMIDITY	: 31%
MODE	: Tx (Ch 1,6,11) , ANT1	ENGINEER	: Takumi Shimada

[IEEE802.11b]

Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.7	-20.81	1.8	10.1	-9.0	8.0	17.0
Mid	2437.7	-21.15	1.8	10.1	-9.3	8.0	17.3
High	2462.7	-22.31	1.8	10.1	-10.5	8.0	18.5

[IEEE802.11g]

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2411.7	-27.83	1.8	10.1	-16.0	8.0	24.0
Mid	2436.7	-28.05	1.8	10.1	-16.2	8.0	24.2
High	2461.7	-29.32	1.8	10.1	-17.5	8.0	25.5

Sample Calculation:

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

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

**UL Japan, Inc.**

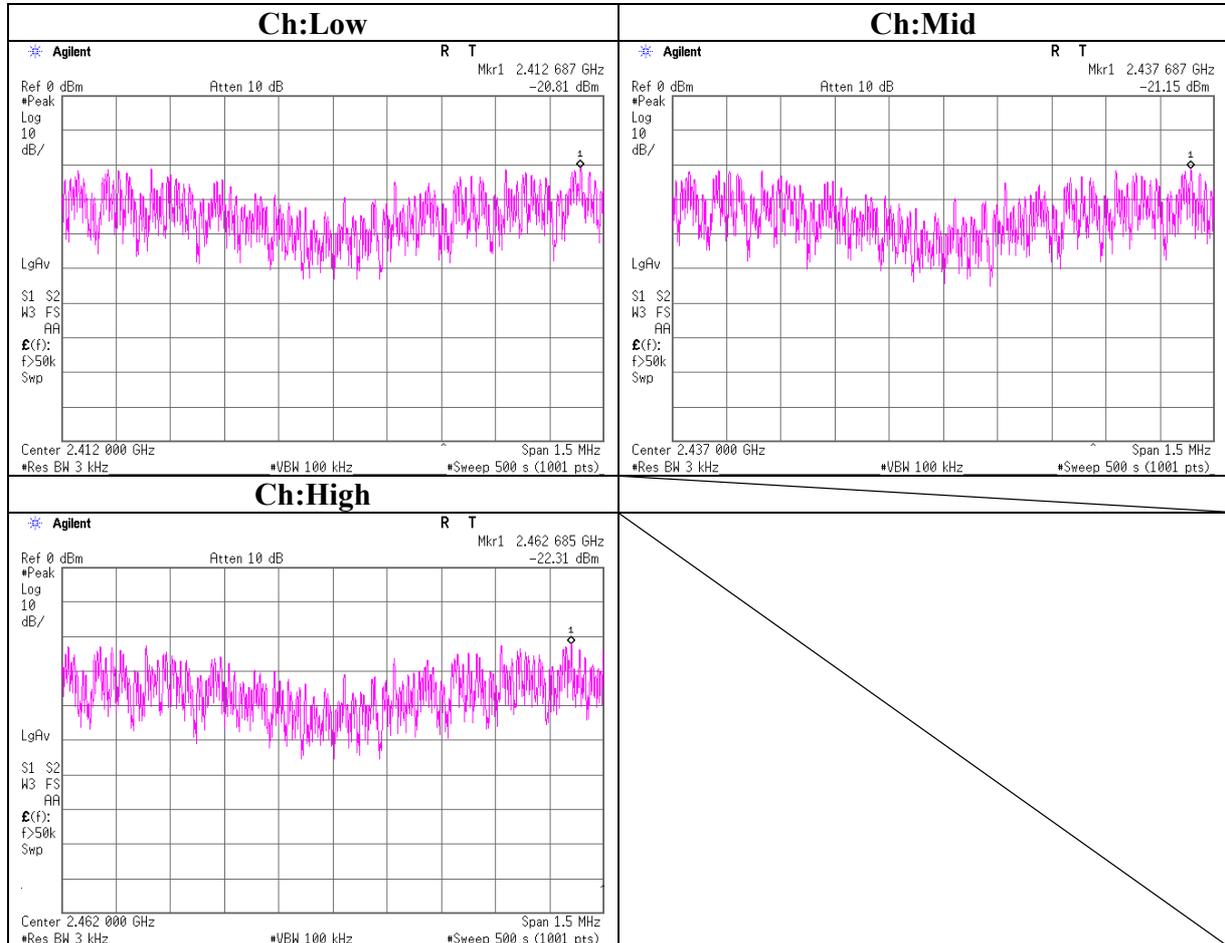
**Head Office EMC Lab.**

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

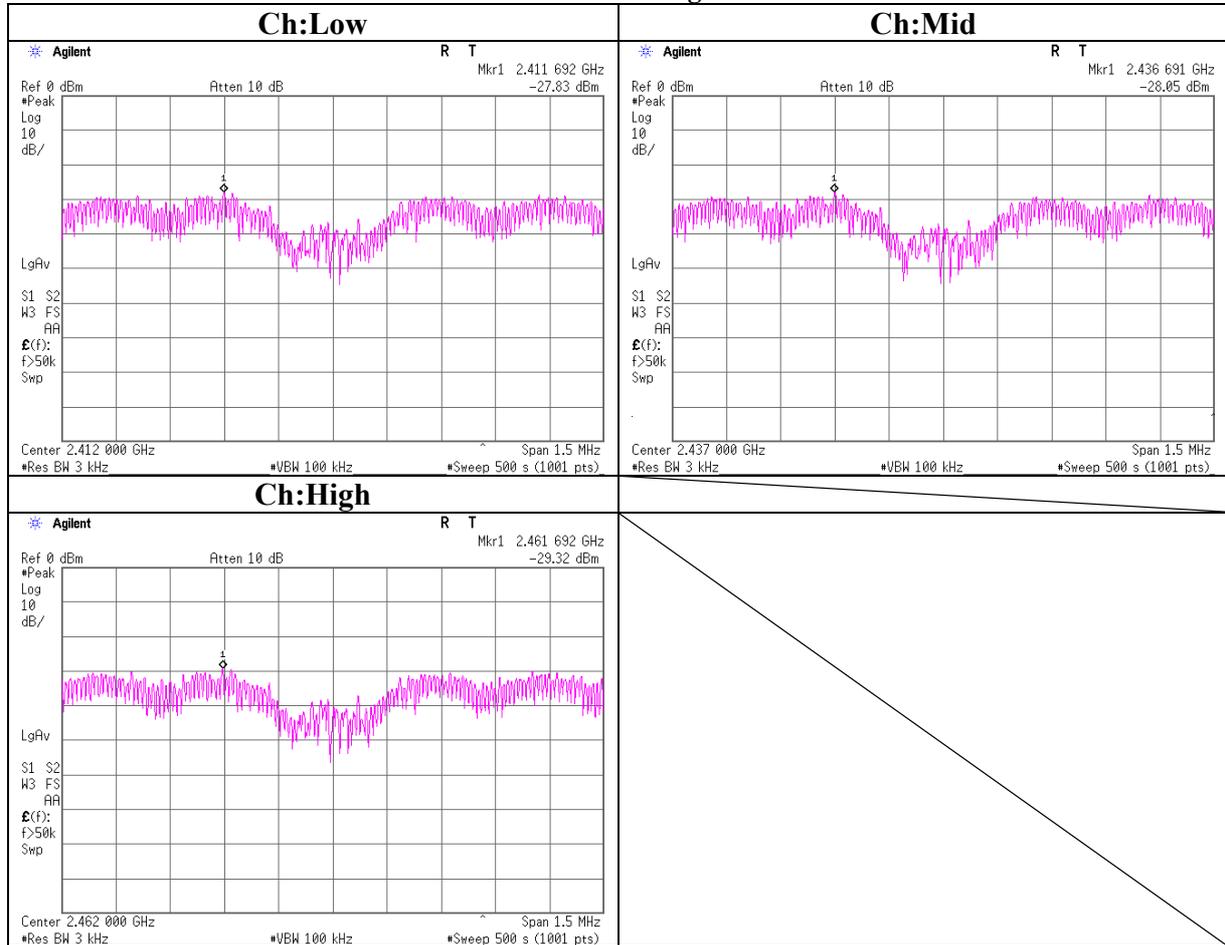
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

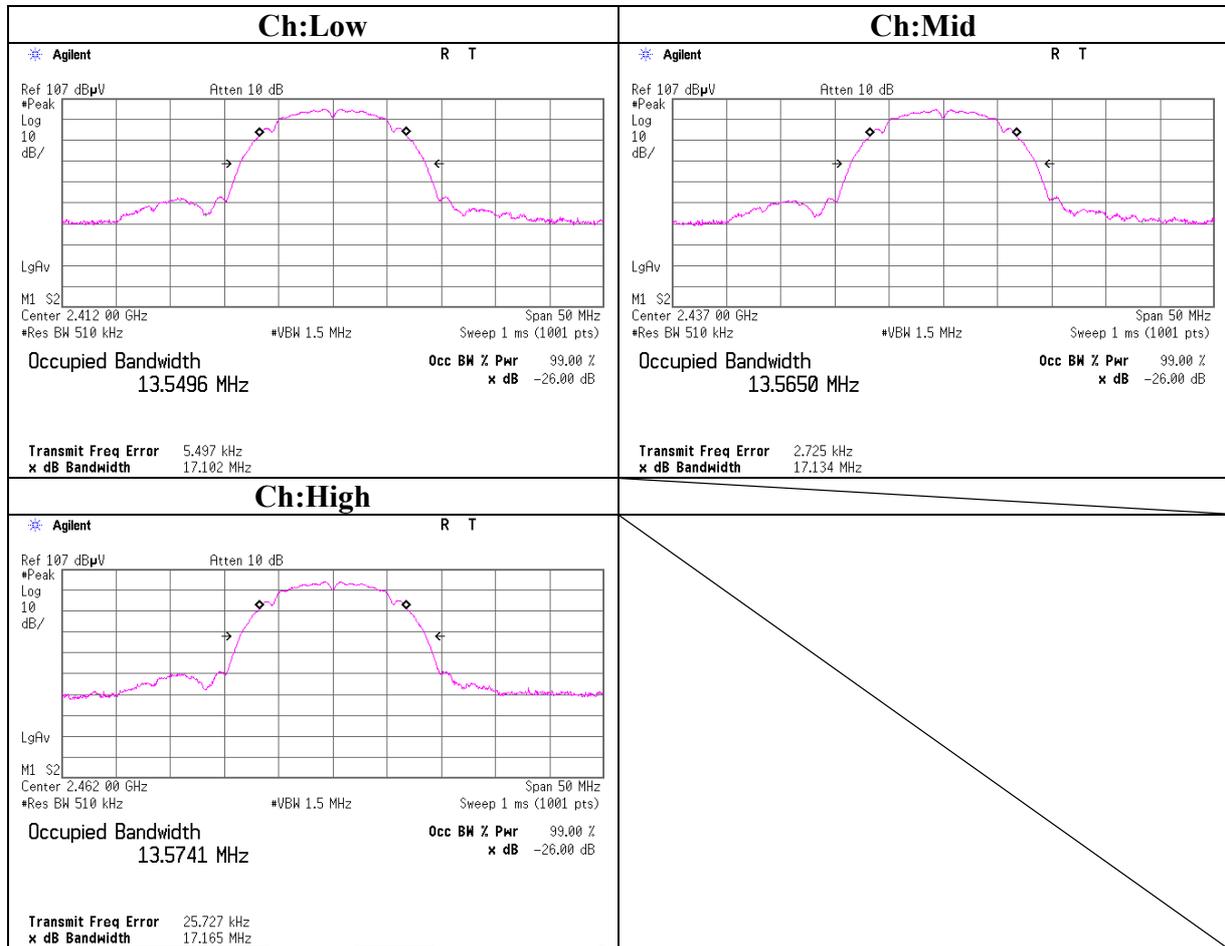
**Power Density**  
**IEEE802.11b**



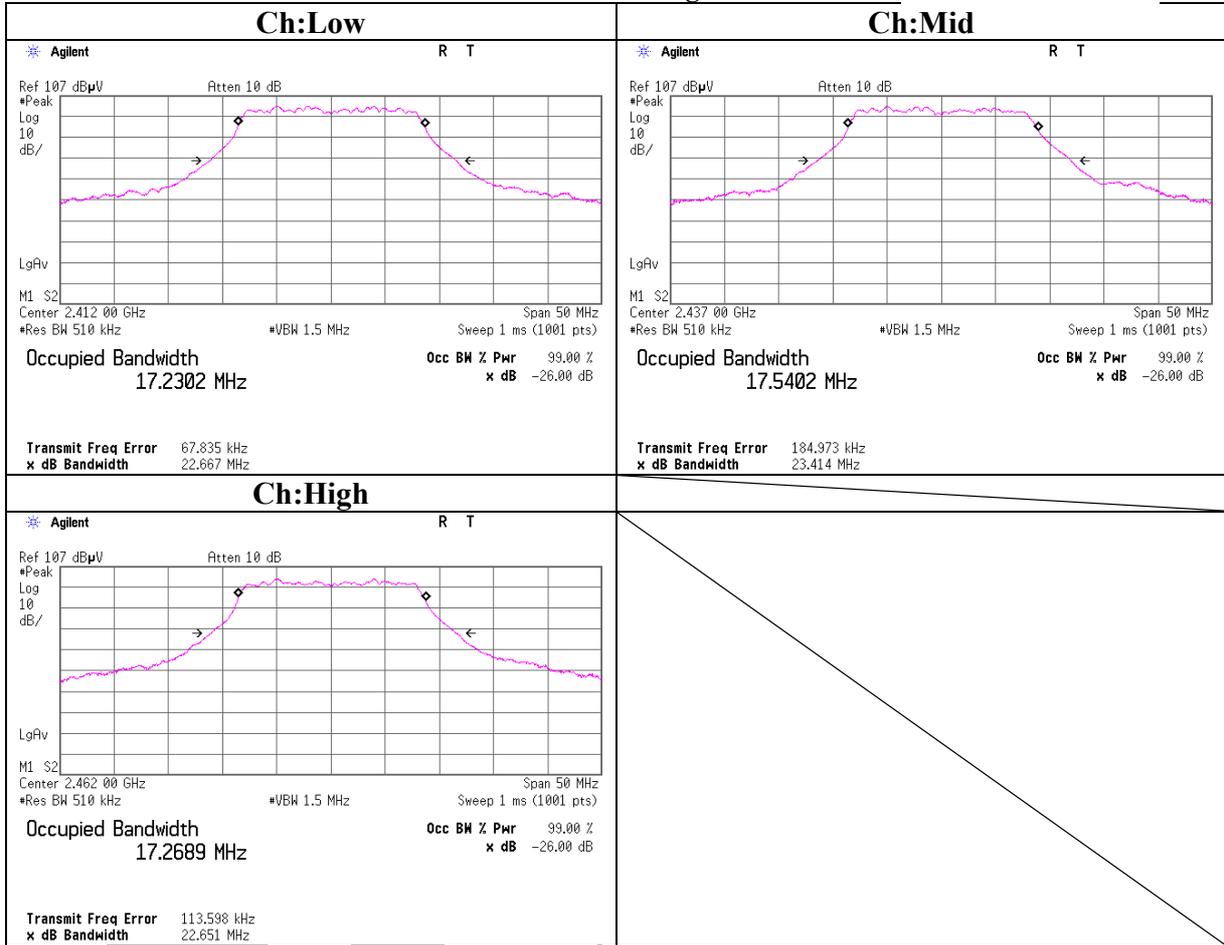
**Power Density**  
**IEEE802.11g**



**99% Occupied Bandwidth**  
**IEEE802.11b**



**99% Occupied Bandwidth**  
**IEEE802.11g**



### **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>
MCC-13	Coaxial Cable	Fujikura/Agilent	-	CE	2007/02/27 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2007/02/22 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (AE)	2007/02/22 * 12
MTA-07	Terminator	MCL	BTRM-50	CE	2008/02/04 * 12
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/CE	2007/04/02 * 12
MHA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2008/01/19 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/08/28 * 12
MCC-16	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2007/02/22 * 12
MPA-10	Pre Amplifier	Agilent	8449B	RE	2007/09/27 * 12
MCC-77	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MHF-18	High Pass Filter 3.5- 18.0GHz	TOKIMEC	TF323DCA	RE	2007/12/10 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	RE	2007/06/20 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/10/21 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/10/21 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2007/11/13 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2007/02/27 * 12
MPA-09	Pre Amplifier	Agilent	8447D	RE	2007/09/13 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	RE/CE	2007/03/01 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MJM-05	Measure	PROMART	SEN1955	RE/CE	-
MOS-22	Thermo-Hygrometer	Custom	CTH-201	RE/CE	2007/12/27 * 12
MAT-25	Attenuator(10dB)(ab ove1GHz)	Agilent	8493C	AT	2007/06/28 * 12
MCC-66	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2007/04/03 * 12
MSA-10	Spectrum Analyzer	Agilent	E4448A	AT	2007/07/04 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2007/09/22 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2007/09/22 * 12
MOS-04	Digital Humidity Indicator	N.T	NT-1800	AT	2007/11/12 * 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.**

**Test Item: CE: Conducted Emission**

**RE: Radiated Emission**

**AT: Antenna Terminal Conducted test**

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