

## APPENDIX 2: Test instruments

### EMI Test Equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MRENT-39	Spectrum Analyzer	Advantest	R3273	AT	2006/07/25 * 12
MRENT-36	Power Meter	Anritsu	ML2496A	AT	2006/04/25 * 12
MRENT-33	Power sensor	Anritsu	MA2411B	AT	2006/04/25 * 12
MCC-26	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	AT	2005/08/30 * 12
MAT-20	Attenuator(10dB)(above 1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	AT	2006/01/10 * 12
MOS-16	Thermo-Hygrometer	Custom	CTH-180	AT	2006/01/19 * 24
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2006/03/06 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE	-
MHA-21	Horn Antenna 1- 18GHz	Schwarzbeck	BBHA9120D	RE	2006/08/17 * 12
MCC-57	Microwave Cable 1- 26.5GHz	Suhner	SUCOFLEX104	RE	2006/04/15 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	RE	2006/03/27 * 12
MHF-05	High Pass Filter 3.5- 24GHz	Tokimec	TF323DCA	RE	2006/01/24 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	RE	2006/05/20 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2006/01/09 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE	2006/02/02 * 12
MCC-50	Coaxial cable	UL Apex	-	RE	2006/03/09 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	RE	2006/03/11 * 12
MPA-14	Pre Amplifier	SONOA INSTRUMENT	310	RE	2006/03/25 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	RE	2006/01/29 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2006/01/29 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2006/02/06 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2006/02/06 * 12
MTA-06	Terminator	MCL	BTRM-50	CE	2006/02/06 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2005/09/16 * 12
MCC-26	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	AT	2006/08/29 * 12

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 Measurement

**UL Apex Co., Ltd.**

**Head Office EMC Lab.**

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Facsimile : +81 596 24 8124

MF060b(14.06.06)

**APPENDIX 3: Data of EMI test**

**Conducted Emission**

**DATA OF CONDUCTED EMISSION TEST**

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Shielded room  
 Date : 2006/08/29 22:15:23

Company	: Sony Computer Entertainment Inc.	Report No.	: 27AE0069-HO
Kind of EUT	: PLAYSTATION®3	Power	: AC 120V / 60Hz)
Model No.	: CECHA01	Temp./Humi.	: 26deg. C / 55%
Serial No.	: G1D0184	Operator	: Takumi Shimada

Mode / Remarks : WLAN IEEE802.11b Tx 2412MHz 11Mbps ANT:1

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen 7.2.2  
 FCC15C § 15.207 (AV) / RSS-Gen 7.2.2

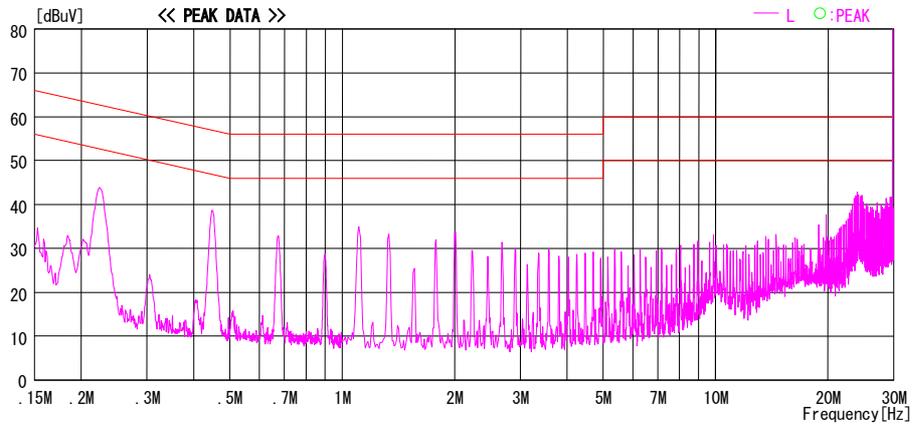
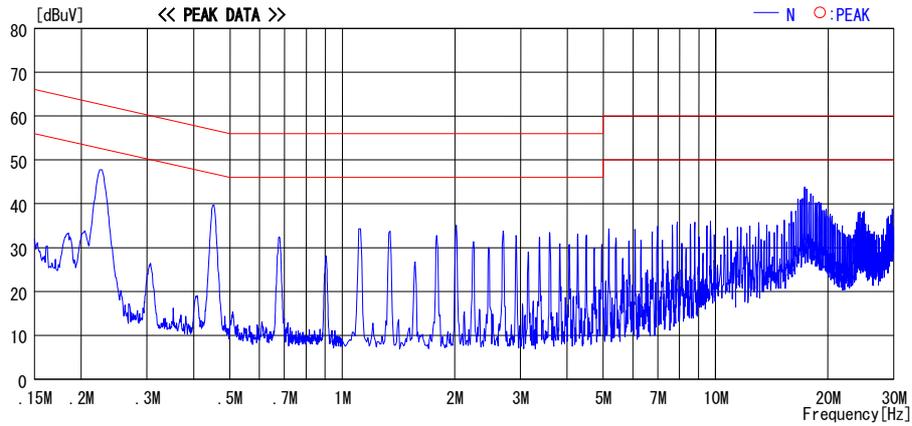


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

## Conducted Emission

### DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Shielded room  
 Date : 2006/08/29 22:21:55

Company : Sony Computer Entertainment Inc.	Report No. : 27AE0069-HO
Kind of EUT : PLAYSTATION®3	Power : AC 120V / 60Hz)
Model No. : CECHA01	Temp./Humi. : 26deg. C / 55%
Serial No. : G1D0184	Operator : Takumi Shimada

Mode / Remarks : WLAN IEEE802.11b Tx 2437MHz 11Mbps ANT:1

LIMIT : FCC15C §15.207 (QP) / RSS-Gen 7.2.2  
 FCC15C §15.207 (AV) / RSS-Gen 7.2.2

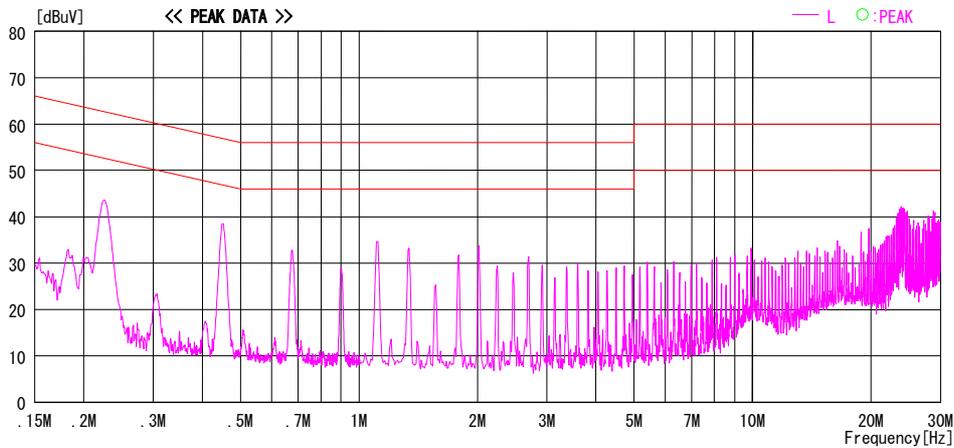
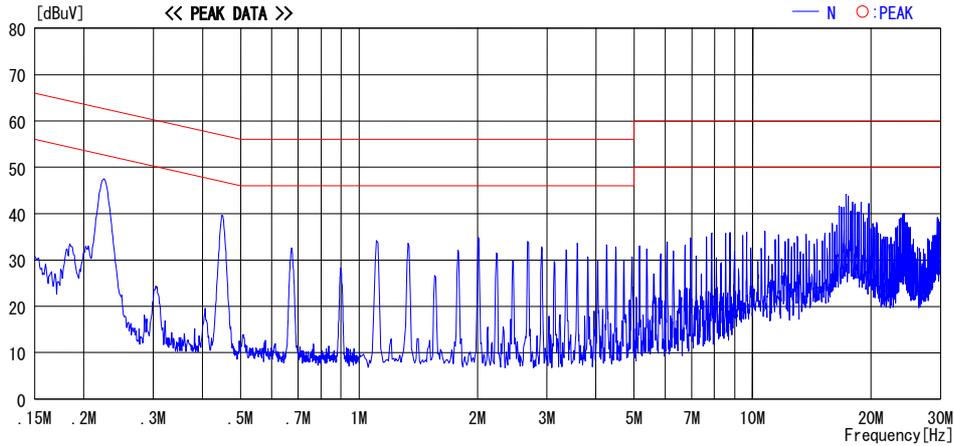


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F (L I S N LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

## Conducted Emission

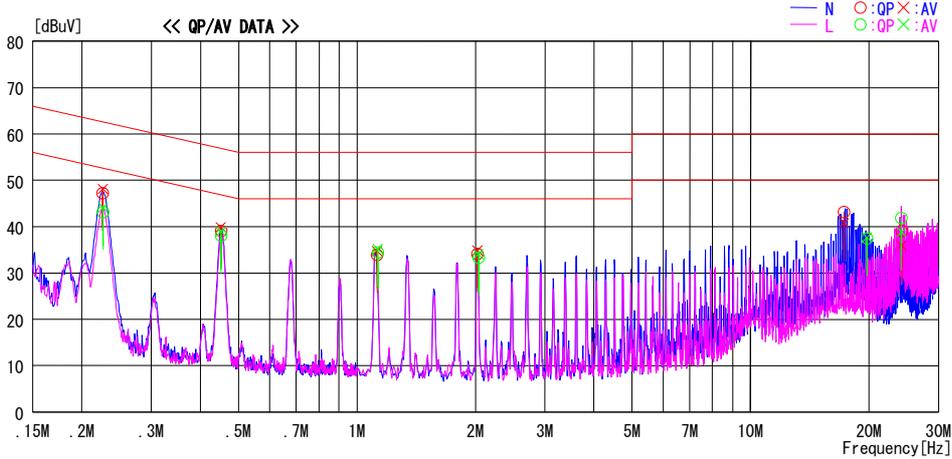
### DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Shielded room  
 Date : 2006/08/29 22:28:06

Company : Sony Computer Entertainment Inc.      Report No. : 27AE0069-HO  
 Kind of EUT : PLAYSTATION®3                      Power : AC 120V / 60Hz  
 Model No. : CECHA01                                  Temp./Humi. : 26deg. C / 55%  
 Serial No. : G1D0184                                Operator : Takumi Shimada

Mode / Remarks : WLAN IEEE802.11b Tx 2462MHz 11Mbps ANT:1

LIMIT : FCC15C §15.207 (QP) / RSS-Gen 7.2.2  
 FCC15C §15.207 (AV) / RSS-Gen 7.2.2



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]	
0.22564	47.1	48.0	0.1	47.2	48.1	62.6	52.6	15.4	4.5	N
0.45071	38.9	39.7	0.2	39.1	39.9	56.9	46.9	17.8	7.0	N
1.12428	33.6	34.4	0.3	33.9	34.7	56.0	46.0	22.1	11.3	N
2.02236	33.8	34.6	0.3	34.1	34.9	56.0	46.0	21.9	11.1	N
17.26673	41.8	39.4	1.4	43.2	40.8	60.0	50.0	16.8	9.2	N
24.19715	37.5	34.3	1.6	39.1	35.9	60.0	50.0	20.9	14.1	N
0.22608	43.1	44.0	0.1	43.2	44.1	62.6	52.6	19.4	8.5	L
0.45132	37.9	38.8	0.2	38.1	39.0	56.9	46.9	18.8	7.9	L
1.12933	34.1	34.9	0.3	34.4	35.2	56.0	46.0	21.6	10.8	L
2.03380	33.0	33.8	0.3	33.3	34.1	56.0	46.0	22.7	11.9	L
19.74254	36.0	36.1	1.5	37.5	37.6	60.0	50.0	22.5	12.4	L
24.18560	40.3	37.2	1.6	41.9	38.8	60.0	50.0	18.1	11.2	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.

## Conducted Emission

### DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Shielded room  
 Date : 2006/08/29 22:45:40

Company : Sony Computer Entertainment Inc.	Report No. : 27AE0069-HO
Kind of EUT : PLAYSTATION®3	Power : AC 120V / 60Hz)
Model No. : CECHA01	Temp./Humi. : 26deg. C / 55%
Serial No. : G1D0184	Operator : Takumi Shimada

Mode / Remarks : WLAN IEEE802.11g Tx 2412MHz 54Mbps ANT:1

LIMIT : FCC15C §15.207 (QP) / RSS-Gen 7.2.2  
 FCC15C §15.207 (AV) / RSS-Gen 7.2.2

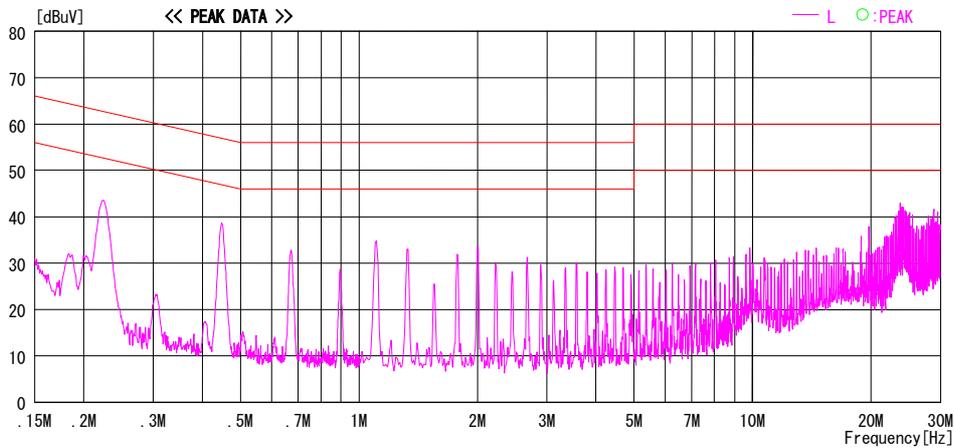
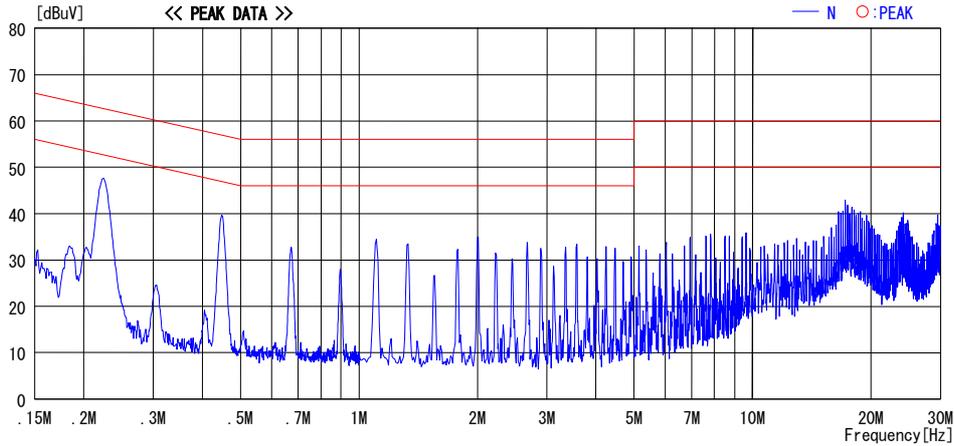


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

## Conducted Emission

### DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Shielded room  
 Date : 2006/08/29 22:50:39

Company : Sony Computer Entertainment Inc.	Report No. : 27AE0069-HO
Kind of EUT : PLAYSTATION®3	Power : AC 120V / 60Hz
Model No. : CECHA01	Temp./Humi. : 26deg. C / 55%
Serial No. : G1D0184	Operator : Takumi Shimada

Mode / Remarks : WLAN IEEE802.11g Tx 2437MHz 54Mbps ANT:1

LIMIT : FCC15C §15.207 (QP) / RSS-Gen 7.2.2  
 FCC15C §15.207 (AV) / RSS-Gen 7.2.2

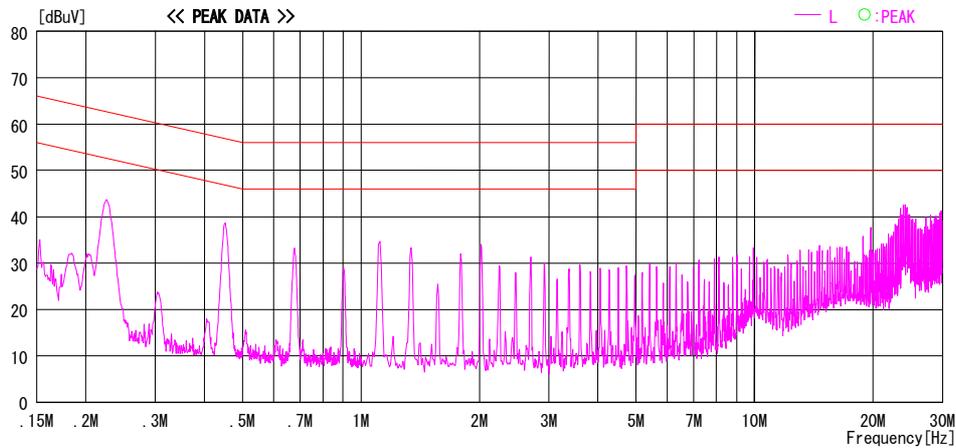
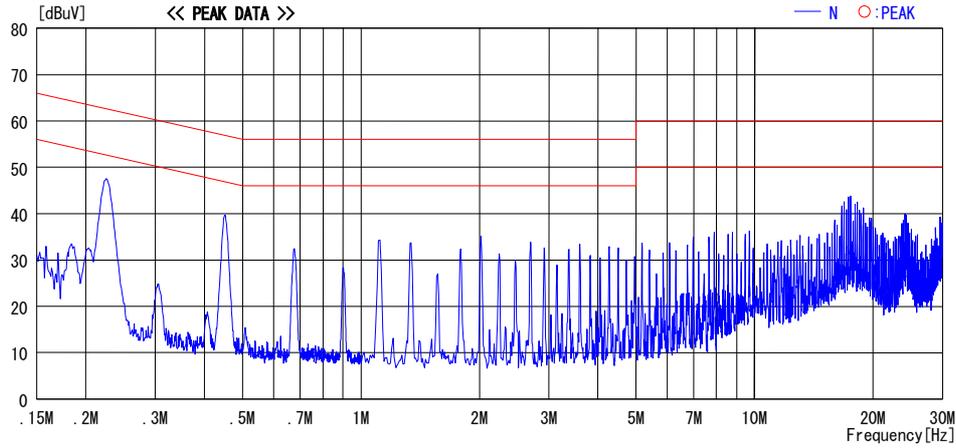


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F (LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

## Conducted Emission

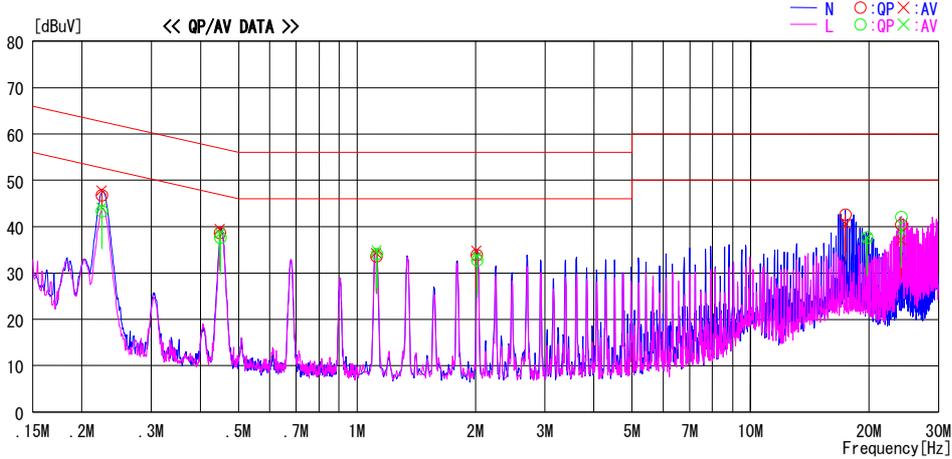
### DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Shielded room  
 Date : 2006/08/29 22:59:47

Company : Sony Computer Entertainment Inc.      Report No. : 27AE0069-HO  
 Kind of EUT : PLAYSTATION®3                      Power : AC 120V / 60Hz  
 Model No. : CECHA01                                  Temp./Humi. : 26deg. C / 55%  
 Serial No. : G1D0184                                Operator : Takumi Shimada

Mode / Remarks : WLAN IEEE802.11g Tx 2462MHz 54Mbps ANT:1

LIMIT : FCC15C §15.207 (QP) / RSS-Gen 7.2.2  
        : FCC15C §15.207 (AV) / RSS-Gen 7.2.2



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]	
0.22437	46.7	47.7	0.1	46.8	47.8	62.7	52.7	15.9	4.9	N
0.44793	38.4	39.3	0.2	38.6	39.5	56.9	46.9	18.3	7.4	N
1.11844	33.3	34.0	0.3	33.6	34.3	56.0	46.0	22.4	11.7	N
2.01179	33.6	34.5	0.3	33.9	34.8	56.0	46.0	22.1	11.2	N
17.43643	41.2	39.1	1.4	42.6	40.5	60.0	50.0	17.4	9.5	N
24.13290	38.8	35.5	1.6	40.4	37.1	60.0	50.0	19.6	12.9	N
0.22443	43.2	44.0	0.1	43.3	44.1	62.7	52.7	19.4	8.6	L
0.44869	37.5	38.4	0.2	37.7	38.6	56.9	46.9	19.2	8.3	L
1.12144	33.8	34.6	0.3	34.1	34.9	56.0	46.0	21.9	11.1	L
2.01765	32.4	33.3	0.3	32.7	33.6	56.0	46.0	23.3	12.4	L
19.76654	36.2	36.1	1.5	37.7	37.6	60.0	50.0	22.3	12.4	L
24.17935	40.5	37.6	1.6	42.1	39.2	60.0	50.0	17.9	10.8	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.

**Conducted Emission**

**DATA OF CONDUCTED EMISSION TEST**

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Shielded room  
 Date : 2006/08/29 23:17:29

Company	: Sony Computer Entertainment Inc.	Report No.	: 27AE0069-HO
Kind of EUT	: PLAYSTATION®3	Power	: AC 120V / 60Hz)
Model No.	: CECHA01	Temp./Humi.	: 26deg. C / 55%
Serial No.	: G1D0184	Operator	: Takumi Shimada

Mode / Remarks : WLAN IEEE802.11b/g Rx 2437MHz ANT:1

LIMIT : FCC15C §15.207 (QP) / RSS-Gen 7.2.2  
 FCC15C §15.207 (AV) / RSS-Gen 7.2.2

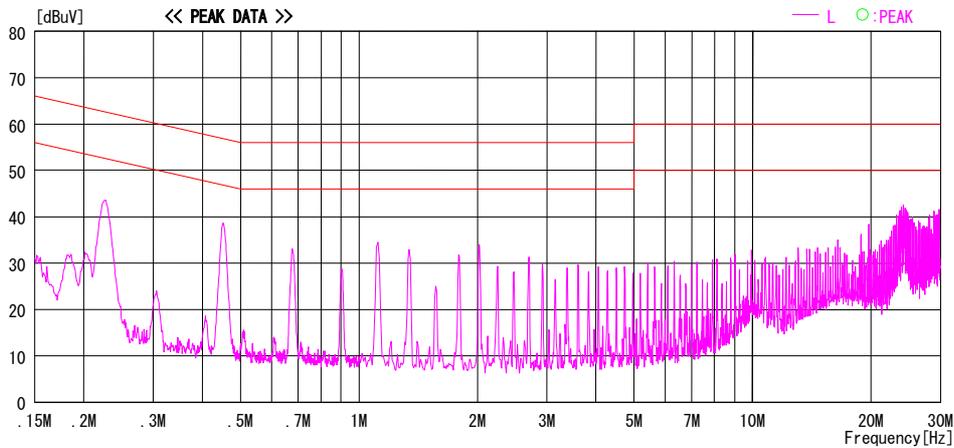
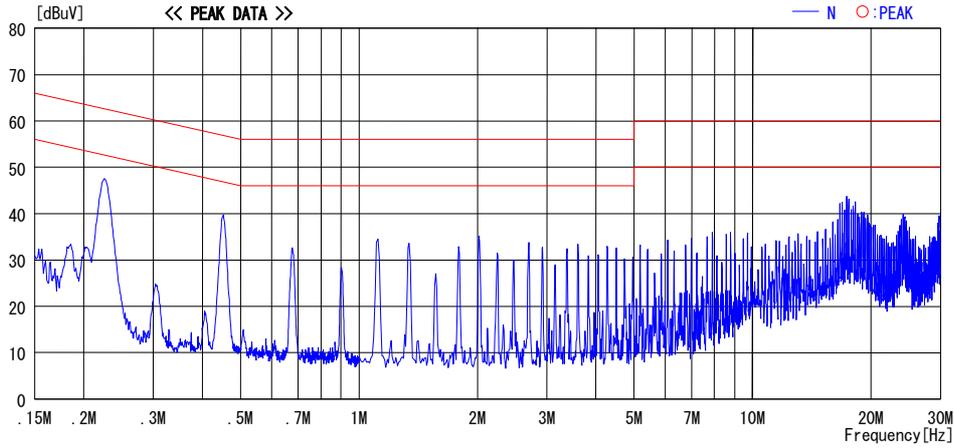


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)  
 Except for the above table : adequate margin data below the limits.

## 6dB Bandwidth

UL Apex Co., Ltd.  
Head Office EMC Lab. No.6 Shielded Room

COMPANY : Sony Computer Entertainment Inc. REGULATION : FCC 15.247(a)(2) / RSS-210 A8.2(1)  
EQUIPMENT : PLAYSTATION®3 TEST DISTANCE : -  
MODEL : CECHA01 DATE : 08/30/2006  
S/ N : SR000001 TEMPERATURE : 25 deg.C  
POWER : AC120V / 60Hz HUMIDITY : 62%  
Mode : Tx(ch1,6,11) ENGINEER : Takumi Shimada

### [IEEE802.11b] 11Mbps

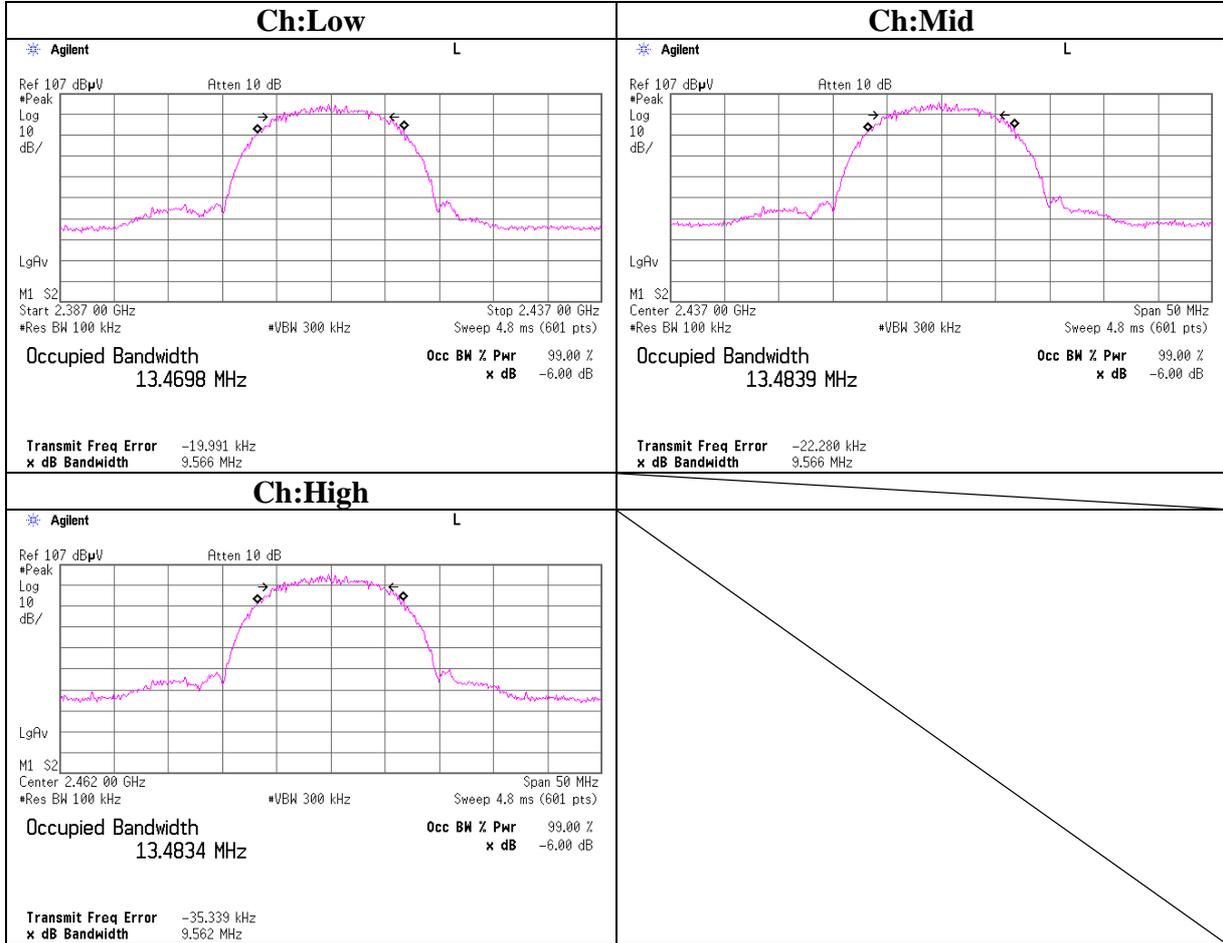
Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	9.566	500.0
Mid	2437.0	9.566	500.0
High	2462.0	9.562	500.0

### [IEEE802.11g] 54Mbps

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.624	500.0
Mid	2437.0	16.621	500.0
High	2462.0	16.612	500.0

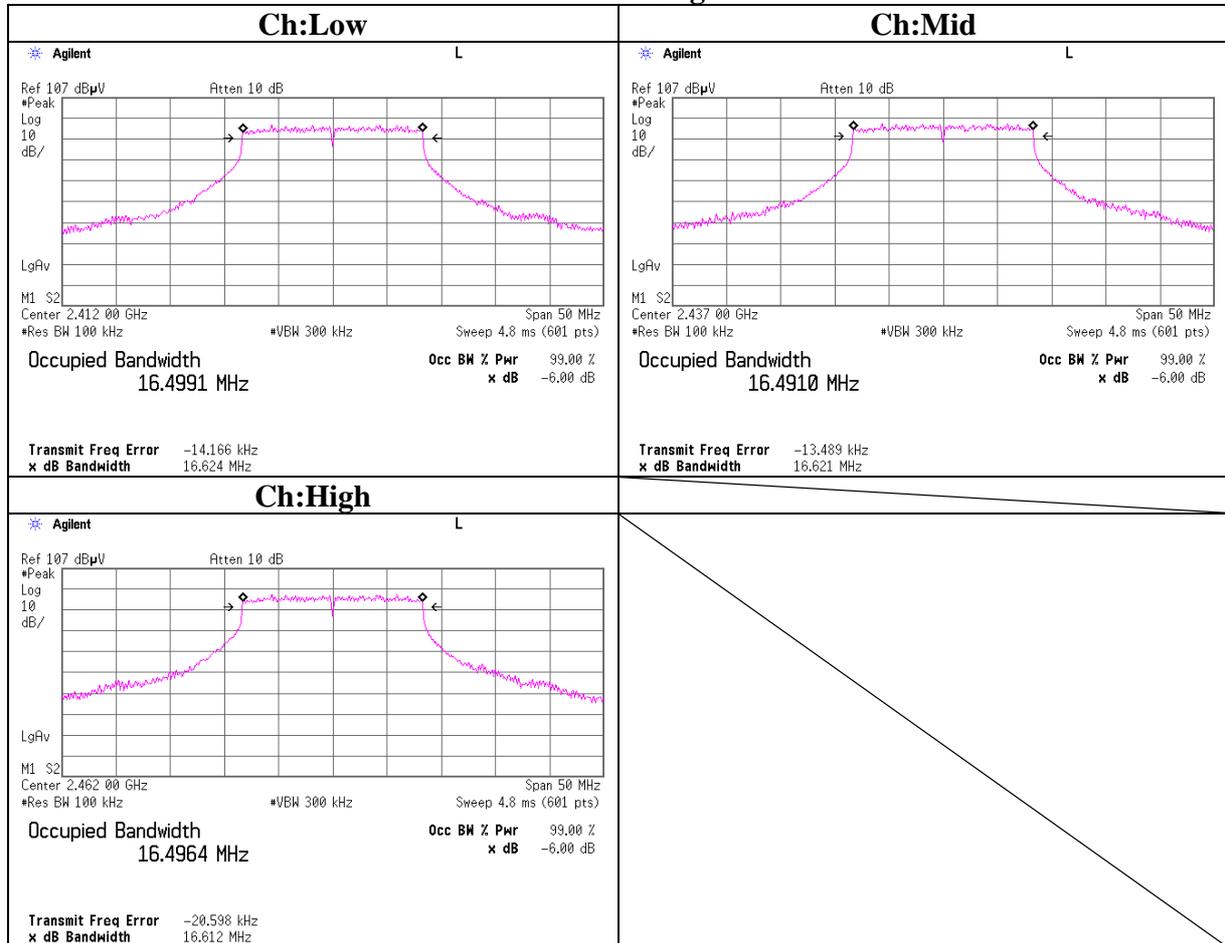
**6dB Bandwidth**

**IEEE802.11b**



## 6dB Bandwidth

### IEEE802.11g



**Maximum Peak Output Power(ANT1)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.6 Shielded Room

COMPANY : Sony Computer Entertainment Inc. REGULATION : FCC 15.247(b)(3) / RSS-210 A8.4(4)  
EQUIPMENT : PLAYSTATION®3 TEST DISTANCE : -  
MODEL : CECHA01 DATE : 08/10/2006 and 08/30/2006  
S/ N : G1D0169 TEMPERATURE : 23deg.C and 25deg.C  
POWER : AC120V / 60Hz HUMIDITY : 60% and 62%  
Mode : Tx(ch1,6,11) ENGINEER : Takumi Shimada

**[IEEE802.11b] 11Mbps**

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	6.43	0.60	10.35	17.38	54.70	30.00	1000	12.62
Mid	2437.0	7.79	0.60	10.47	18.86	76.91	30.00	1000	11.14
High	2462.0	7.45	0.60	10.34	18.39	69.02	30.00	1000	11.61

**[IEEE802.11g] 54Mbps**

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	8.82	0.60	10.35	19.77	94.84	30.00	1000	10.23
Mid	2437.0	9.33	0.60	10.47	20.40	109.65	30.00	1000	9.60
High	2462.0	9.08	0.60	10.34	20.02	100.46	30.00	1000	9.98

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.

### Maximum Peak Output Power(ANT0)

UL Apex Co., Ltd.  
Head Office EMC Lab. No.6 Shielded Room

COMPANY : Sony Computer Entertainment Inc. REGULATION : FCC C 15.247(b)(3) / RSS-210 A8.4(4)  
EQUIPMENT : PLAYSTATION®3 TEST DISTANCE : -  
MODEL : CECHA01 DATE : 08/10/2006 and 08/30/2006  
S/N : G1D0169 TEMPERATURE : 23deg.C and 25deg.C  
POWER : AC120V / 60Hz HUMIDITY : 60% and 62%  
Mode : Tx(ch1,6,11) ENGINEER : Takumi Shimada

**[IEEE802.11b] 11Mbps**

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	7.30	0.60	10.35	18.25	66.83	30.00	1000	11.75
Mid	2437.0	8.21	0.60	10.47	19.28	84.72	30.00	1000	10.72
High	2462.0	7.69	0.60	10.34	18.63	72.95	30.00	1000	11.37

**[IEEE802.11g] 54Mbps**

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	9.66	0.60	10.35	20.61	115.08	30.00	1000	9.39
Mid	2437.0	9.72	0.60	10.47	20.79	119.95	30.00	1000	9.21
High	2462.0	9.94	0.60	10.34	20.88	122.46	30.00	1000	9.12

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.

**Radiated Spurious Emission (30MHz-1GHz)**

\* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

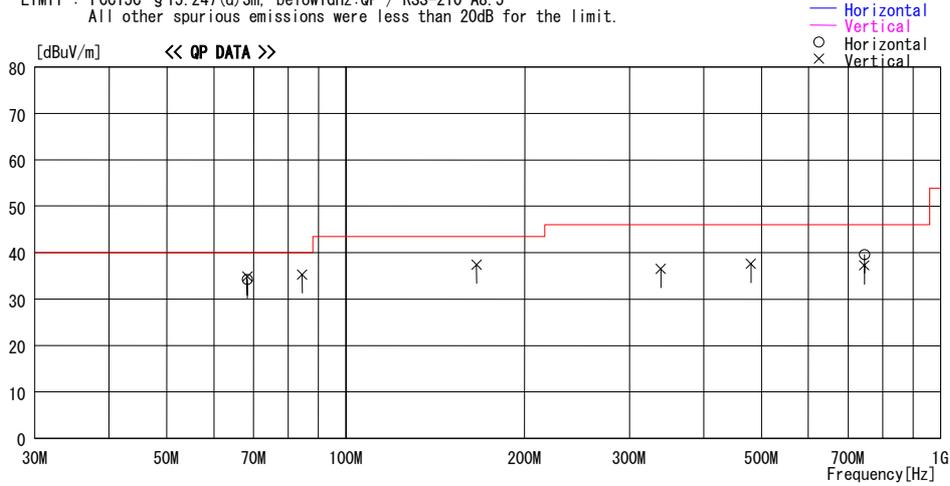
**DATA OF RADIATED EMISSION TEST**

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
Date : 2006/08/23 18:47:30

Applicant : Sony Computer Entertainment Inc. Report No. : 27AE0069-HO  
Kind of EUT : PLAYSTATION®3 Power : AC 120V / 60Hz  
Model No. : CECHA01 Temp. / Humi. : 23 deg. C. / 65 %  
Serial No. : G1D0184 Operator : Mitsuru Fujimura

Mode / Remarks : WLAN IEEE802.11b Tx 2412MHz 11Mbps Ant:1, X-axis

LIMIT : FCC15C §15.247(d)3m, below1GHz:QP / RSS-210 A8.5  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss&Gain [dB]							
68.216	50.9	QP	7.6	-24.2	34.3	236	295	Hori.	40.0	5.7	
68.298	51.5	QP	7.6	-24.2	34.9	298	121	Vert.	40.0	5.1	
84.449	51.1	QP	8.1	-23.9	35.3	148	121	Vert.	40.0	4.7	
165.967	44.3	QP	16.0	-22.9	37.4	359	100	Vert.	43.5	6.1	
338.689	41.0	QP	17.2	-21.7	36.5	299	100	Vert.	46.0	9.5	
480.028	38.8	QP	19.6	-20.8	37.6	61	100	Vert.	46.0	8.4	
745.110	34.3	QP	22.4	-19.4	37.3	138	127	Vert.	46.0	8.7	
745.112	36.6	QP	22.4	-19.4	39.6	142	100	Hori.	46.0	6.4	

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)

**Radiated Spurious Emission (30MHz-1GHz, 20dB evaluation)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: Sony Computer Entertainment Inc.	Report No.	: 27AE0069-HO
Equipment	: PLAYSTATION®3	Regulation	: FCC 15.247(d) / RSS-210 A8.5
Model	: CECHA01	Test distance	: 3m
Sample No.	: G1D0184	Date	: 08/23/2006
Power	: AC 120 V / 60 Hz	Temperature	: 23deg.C
Mode	: WLAN IEEE802.11b , Tx 2412MHz , 11Mbps	Humidity	: 65%
Remarks	: X-axis	Engineer	: Mitsuru Fujimura

**20dBc(Fundamental 2412MHz)** (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Attenuator LOSS [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator LOSS</b>												
0	2412.0	107.9	102.0	26.7	32.7	2.1	0.0	104.0	98.1	-	-	-
1	60.1	53.8	-	8.8	32.0	1.6	6.0	38.2	-	Funda-20dB	45.8	-
2	84.4	56.2	-	8.1	31.9	2.0	6.0	40.4	-	Funda-20dB	43.6	-
3	102.4	-	56.4	11.3	31.9	2.2	6.0	-	44.0	Funda-20dB	-	34.1
4	142.0	49.0	-	15.2	31.8	2.6	6.0	41.0	-	Funda-20dB	43.0	-
5	338.7	49.1	-	17.2	31.9	4.2	6.0	44.6	-	Funda-20dB	39.4	-
6	480.0	46.4	-	19.6	31.9	5.1	6.0	45.2	-	Funda-20dB	38.8	-

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

**Radiated Spurious Emission (30MHz-1GHz)**

\* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

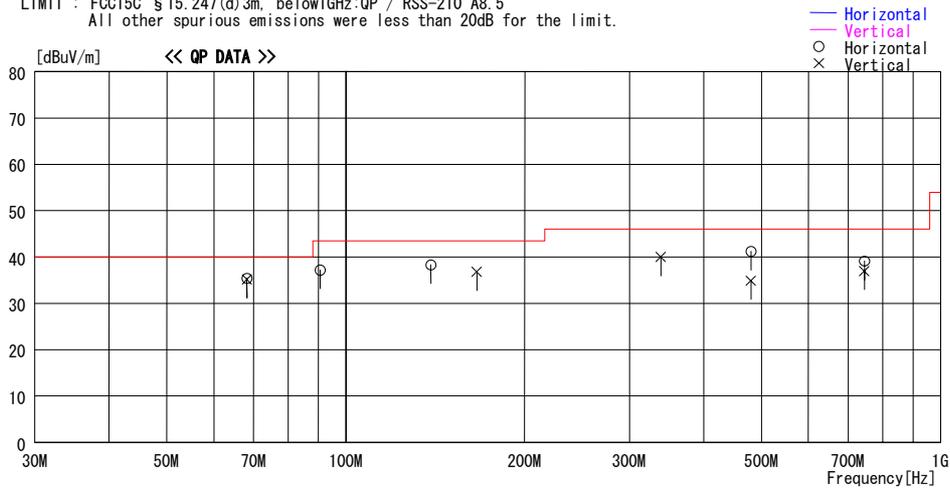
**DATA OF RADIATED EMISSION TEST**

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
Date : 2006/08/23 22:10:37

Applicant : Sony Computer Entertainment Inc. Report No. : 27AE0069-HO  
Kind of EUT : PLAYSTATION®3 Power : AC 120V / 60Hz  
Model No. : CECHA01 Temp. / Humi. : 23 deg. C. / 65 %  
Serial No. : G1D0184 Operator : Mitsuru Fujimura

Mode / Remarks : WLAN IEEE802.11b Tx 2437MHz 11Mbps Ant:1, X-axis

LIMIT : FCC15C §15.247(d)3m, below1GHz:QP / RSS-210 A8.5  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss&Gain [dB]							
68.193	52.0	QP	7.6	-24.2	35.4	71	257	Hori.	40.0	4.6	
68.198	51.7	QP	7.6	-24.2	35.1	296	204	Vert.	40.0	4.9	
90.632	51.8	QP	9.3	-23.9	37.2	79	211	Hori.	43.5	6.3	
139.084	46.5	QP	15.0	-23.2	38.3	84	211	Hori.	43.5	5.2	
166.000	43.7	QP	16.0	-22.9	36.8	0	100	Vert.	43.5	6.7	
338.689	44.5	QP	17.2	-21.7	40.0	90	312	Vert.	46.0	6.0	
480.029	42.4	QP	19.6	-20.8	41.2	97	100	Hori.	46.0	4.8	
480.030	36.1	QP	19.6	-20.8	34.9	64	115	Vert.	46.0	11.1	
745.110	34.0	QP	22.4	-19.4	37.0	275	100	Vert.	46.0	9.0	
745.114	36.1	QP	22.4	-19.4	39.1	141	100	Hori.	46.0	6.9	

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)

**Radiated Spurious Emission (30MHz-1GHz, 20dB evaluation)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: Sony Computer Entertainment Inc.	Report No.	: 27AE0069-HO
Equipment	: PLAYSTATION®3	Regulation	: FCC 15.247(d) / RSS-210 A8.5
Model	: CECHA01	Test distance	: 3m
Sample No.	: G1D0184	Date	: 08/23/2006
Power	: AC 120 V / 60 Hz	Temperature	: 23deg.C
Mode	: WLAN IEEE802.11b , Tx 2437MHz , 11Mbps	Humidity	: 65%
Remarks	: X-axis	Engineer	: Mitsuru Fujimura

**20dBc(Fundamental 2437MHz)** (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Attenuator LOSS [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator LOSS</b>												
0	2437.0	105.9	102.4	26.7	32.6	2.1	0.0	102.1	98.6	-	-	-
1	60.1	53.6	-	8.8	32.0	1.6	6.0	38.0	-	Funda-20dB	44.1	-
2	84.3	54.9	-	8.1	31.9	2.0	6.0	39.1	-	Funda-20dB	43.0	-
3	103.1	-	56.1	11.4	31.9	2.2	6.0	-	43.8	Funda-20dB	-	34.8
4	338.7	49.4	-	17.2	31.9	4.2	6.0	44.9	-	Funda-20dB	37.2	-

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

**Radiated Spurious Emission (30MHz-1GHz)**

\* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

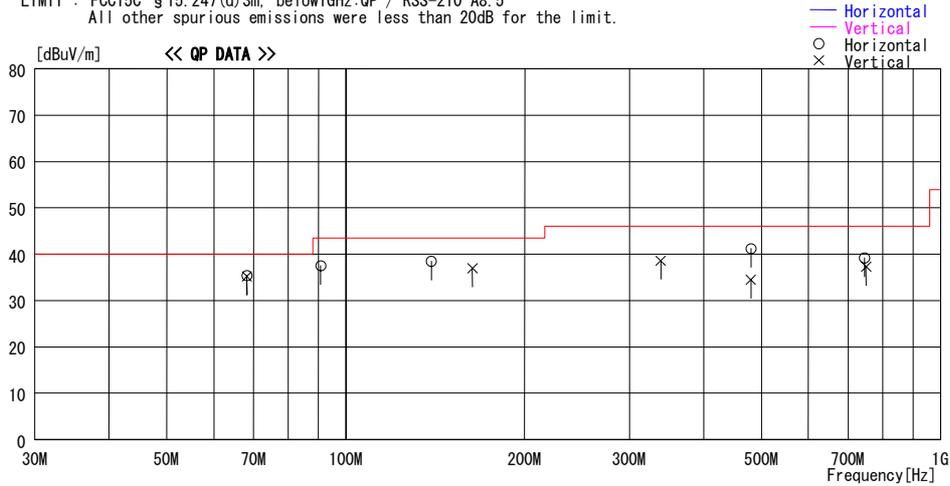
**DATA OF RADIATED EMISSION TEST**

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
Date : 2006/08/24 00:15:47

Applicant : Sony Computer Entertainment Inc. Report No. : 27AE0069-HO  
Kind of EUT : PLAYSTATION®3 Power : AC 120V / 60Hz  
Model No. : CECHA01 Temp. / Humi. : 23 deg. C. / 65 %  
Serial No. : G1D0184 Operator : Mitsuru Fujimura

Mode / Remarks : WLAN IEEE802.11b Tx 2462MHz 11Mbps Ant:1, X-axis

LIMIT : FCC15C §15.247(d)3m, below1GHz:QP / RSS-210 A8.5  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss & Gain [dB]							
68.192	52.0	QP	7.6	-24.2	35.4	81	270	Hori.	40.0	4.6	
68.200	51.8	QP	7.6	-24.2	35.2	300	203	Vert.	40.0	4.8	
90.729	52.1	QP	9.3	-23.9	37.5	97	226	Hori.	43.5	6.0	
139.129	46.7	QP	15.0	-23.2	38.5	72	213	Hori.	43.5	5.0	
163.300	44.0	QP	15.9	-22.9	37.0	0	100	Vert.	43.5	6.5	
338.690	43.1	QP	17.2	-21.7	38.6	92	306	Vert.	46.0	7.4	
480.026	35.7	QP	19.6	-20.8	34.5	66	116	Vert.	46.0	11.5	
480.029	42.4	QP	19.6	-20.8	41.2	100	100	Hori.	46.0	4.8	
745.110	36.2	QP	22.4	-19.4	39.2	140	100	Hori.	46.0	6.8	
749.993	34.1	QP	22.5	-19.3	37.3	126	100	Vert.	46.0	8.7	

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)

**Radiated Spurious Emission (30MHz-1GHz, 20dB evaluation)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: Sony Computer Entertainment Inc.	Report No.	: 27AE0069-HO
Equipment	: PLAYSTATION@3	Regulation	: FCC 15.247(d) / RSS-210 A8.5
Model	: CECHA01	Test distance	: 3m
Sample No.	: G1D0184	Date	: 08/23/2006
Power	: AC 120 V / 60 Hz	Temperature	: 23deg.C
Mode	: WLAN IEEE802.11b , Tx 2462MHz , 11Mbps	Humidity	: 65%
Remarks	: X-axis	Engineer	: Mitsuru Fujimura

**20dBc(Fundamental 2462MHz)** (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Attenuator LOSS [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		[dB]	[dB]
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator LOSS</b>												
0	2462.0	105.8	103.1	26.8	32.6	2.1	0.0	102.1	99.4	-	-	-
1	60.1	53.5	-	8.8	32.0	1.6	6.0	37.9	-	Funda-20dB	44.2	-
2	81.8	-	54.0	7.6	31.9	2.0	6.0	-	37.7	Funda-20dB	-	41.7
3	84.4	55.7	-	8.1	31.9	2.0	6.0	39.9	-	Funda-20dB	42.2	-
4	102.7	-	56.1	11.3	31.9	2.2	6.0	-	43.7	Funda-20dB	-	35.7
5	338.7	49.1	-	17.2	31.9	4.2	6.0	44.6	-	Funda-20dB	37.5	-

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

**Radiated Spurious Emission (30MHz-1GHz)**

\* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

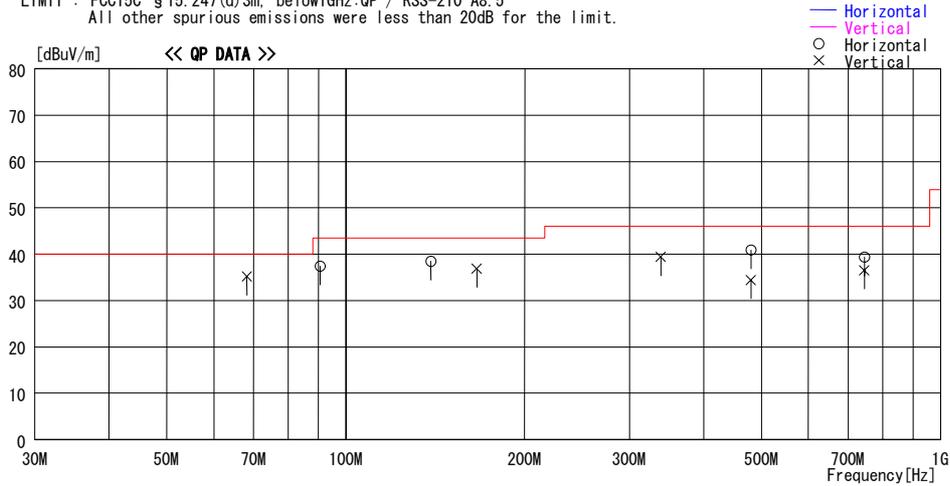
**DATA OF RADIATED EMISSION TEST**

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
Date : 2006/08/24 01:40:09

Applicant : Sony Computer Entertainment Inc. Report No. : 27AE0069-HO  
Kind of EUT : PLAYSTATION@3 Power : AC 120V / 60Hz  
Model No. : CECHA01 Temp. / Humi. : 23 deg.C. / 65 %  
Serial No. : G1D0184 Operator : Mitsuru Fujimura

Mode / Remarks : WLAN IEEE802.11g Tx 2412MHz 54Mbps Ant:1, X-axis

LIMIT : FCC15C §15.247(d)3m, below1GHz:QP / RSS-210 A8.5  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss&Gain [dB]							
68.186	51.8	QP	7.6	-24.2	35.2	288	204	Vert.	40.0	4.8	
90.639	52.0	QP	9.3	-23.9	37.4	98	235	Hori.	43.5	6.1	
139.083	46.7	QP	15.0	-23.2	38.5	79	223	Hori.	43.5	5.0	
166.008	43.8	QP	16.0	-22.9	36.9	0	100	Vert.	43.5	6.6	
338.690	43.9	QP	17.2	-21.7	39.4	107	322	Vert.	46.0	6.6	
480.028	42.1	QP	19.6	-20.8	40.9	101	100	Hori.	46.0	5.1	
480.034	35.6	QP	19.6	-20.8	34.4	66	116	Vert.	46.0	11.6	
745.112	36.4	QP	22.4	-19.4	39.4	141	100	Hori.	46.0	6.6	
745.113	33.5	QP	22.4	-19.4	36.5	146	210	Vert.	46.0	9.5	

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)

**Radiated Spurious Emission (30MHz-1GHz, 20dB evaluation)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: Sony Computer Entertainment Inc.	Report No.	: 27AE0069-HO
Equipment	: PLAYSTATION®3	Regulation	: FCC 15.247(d) / RSS-210 A8.5
Model	: CECHA01	Test distance	: 3m
Sample No.	: G1D0184	Date	: 08/24/2006
Power	: AC 120 V / 60 Hz	Temperature	: 23deg.C
Mode	: WLAN IEEE802.11g , Tx 2412MHz , 54Mbps	Humidity	: 65%
Remarks	: X-axis	Engineer	: Mitsuru Fujimura

**20dBc(Fundamental 2412MHz)** (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Attenuator LOSS [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator LOSS</b>												
0	2412.0	101.2	98.9	26.7	32.7	2.1	0.0	97.3	95.0	-	-	-
1	60.2	53.8	-	8.8	32.0	1.6	6.0	38.2	-	Funda-20dB	39.1	-
2	68.2	54.0	-	7.6	32.0	1.8	6.0	37.4	-	Funda-20dB	39.9	-
3	81.7	-	54.2	7.6	31.9	2.0	6.0	-	37.9	Funda-20dB	-	37.1
4	84.4	55.4	-	8.1	31.9	2.0	6.0	39.6	-	Funda-20dB	37.7	-
5	102.6	-	55.9	11.3	31.9	2.2	6.0	-	43.5	Funda-20dB	-	31.5
6	338.7	48.8	-	17.2	31.9	4.2	6.0	44.3	-	Funda-20dB	33.0	-

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

**Radiated Spurious Emission (30MHz-1GHz)**

\* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

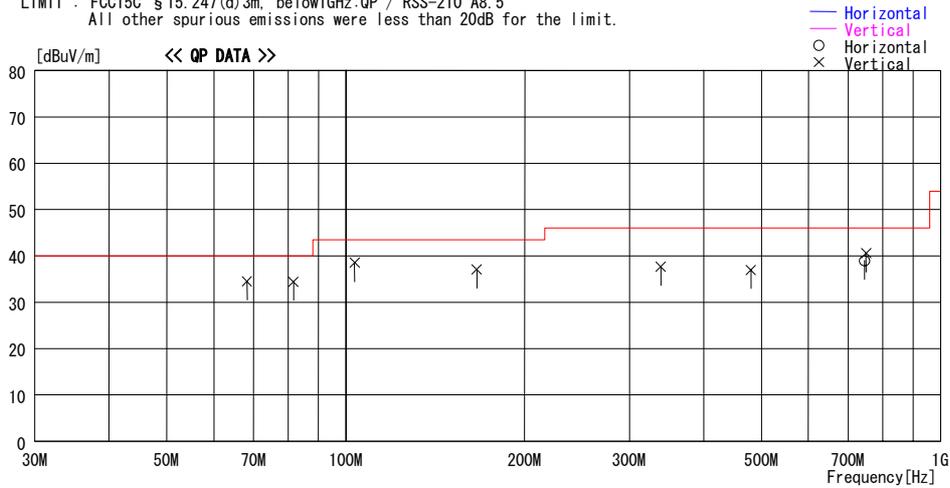
**DATA OF RADIATED EMISSION TEST**

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
Date : 2006/08/24 18:27:48

Applicant : Sony Computer Entertainment Inc. Report No. : 27AE0069-HO  
Kind of EUT : PLAYSTATION®3 Power : AC 120V / 60Hz  
Model No. : CECHA01 Temp. / Humi. : 26 deg. C. / 54 %  
Serial No. : G1D0184 Operator : Mitsuru Fujimura

Mode / Remarks : WLAN IEEE802.11g Tx 2437MHz 54Mbps Ant:1, X-axis

LIMIT : FCC15C § 15.247(d)3m, below1GHz:QP / RSS-210 A8.5  
All other spurious emissions were less than 20dB for the limit.



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]							
68.214	51.1	QP	7.6	-24.2	34.5	318	193	Vert.	40.0	5.5	
81.677	50.7	QP	7.6	-23.9	34.4	141	100	Vert.	40.0	5.6	
103.550	50.7	QP	11.5	-23.7	38.5	105	100	Vert.	43.5	5.0	
166.034	44.0	QP	16.0	-22.9	37.1	10	100	Vert.	43.5	6.4	
338.690	42.2	QP	17.2	-21.7	37.7	263	100	Vert.	46.0	8.3	
480.028	38.2	QP	19.6	-20.8	37.0	28	100	Vert.	46.0	9.0	
745.110	36.0	QP	22.4	-19.4	39.0	144	100	Hori.	46.0	7.0	
749.995	37.4	QP	22.5	-19.3	40.6	157	100	Vert.	46.0	5.4	

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)

**Radiated Spurious Emission (30MHz-1GHz, 20dB evaluation)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: Sony Computer Entertainment Inc.	Report No.	: 27AE0069-HO
Equipment	: PLAYSTATION®3	Regulation	: FCC 15.247(d) / RSS-210 A8.5
Model	: CECHA01	Test distance	: 3m
Sample No.	: G1D0184	Date	: 08/24/2006
Power	: AC 120 V / 60 Hz	Temperature	: 23deg.C
Mode	: WLAN IEEE802.11g , Tx 2437MHz , 54Mbps	Humidity	: 65%
Remarks	: X-axis	Engineer	: Mitsuru Fujimura

**20dBc(Fundamental 2437MHz)** (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Attenuator LOSS [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator LOSS</b>												
0	2437.0	100.4	97.4	26.7	32.6	2.1	0.0	96.6	93.6	-	-	-
1	60.1	53.5	-	8.8	32.0	1.6	6.0	37.9	-	Funda-20dB	38.7	-
2	68.2	55.0	-	7.6	32.0	1.8	6.0	38.4	-	Funda-20dB	38.2	-
3	84.4	55.2	-	8.1	31.9	2.0	6.0	39.4	-	Funda-20dB	37.2	-
4	141.8	48.9	-	15.2	31.8	2.6	6.0	40.9	-	Funda-20dB	35.7	-
5	338.7	51.3	-	17.2	31.9	4.2	6.0	46.8	-	Funda-20dB	29.8	-
6	480.0	45.5	-	19.6	31.9	5.1	6.0	44.3	-	Funda-20dB	32.3	-

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

**Radiated Spurious Emission (30MHz-1GHz)**

\* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

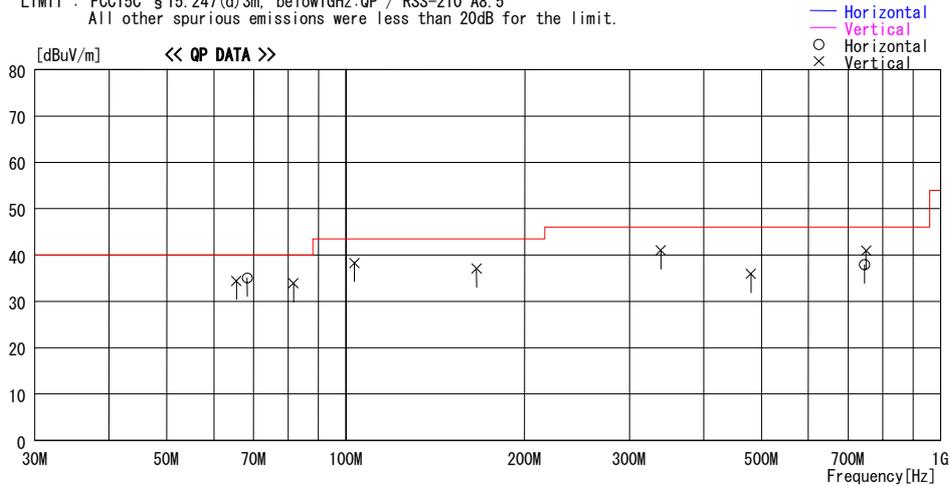
**DATA OF RADIATED EMISSION TEST**

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
Date : 2006/08/24 21:28:49

Applicant : Sony Computer Entertainment Inc. Report No. : 27AE0069-HO  
Kind of EUT : PLAYSTATION®3 Power : AC 120V / 60Hz  
Model No. : CECHA01 Temp. / Humi. : 26 deg. C. / 54 %  
Serial No. : G1D0184 Operator : Mitsuru Fujimura

Mode / Remarks : WLAN IEEE802.11g Tx 2462MHz 54Mbps Ant:1, X-axis

LIMIT : FCC15C §15.247(d)3m, below1GHz:QP / RSS-210 A8.5  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss & Gain [dB]							
65.516	50.7	QP	8.0	-24.3	34.4	271	100	Vert.	40.0	5.6	
68.294	51.7	QP	7.6	-24.2	35.1	71	285	Hori.	40.0	4.9	
81.665	50.2	QP	7.6	-23.9	33.9	136	100	Vert.	40.0	6.1	
103.400	50.6	QP	11.4	-23.7	38.3	94	100	Vert.	43.5	5.2	
165.986	44.0	QP	16.0	-22.9	37.1	6	100	Vert.	43.5	6.4	
338.688	45.5	QP	17.2	-21.7	41.0	276	287	Vert.	46.0	5.0	
480.028	37.1	QP	19.6	-20.8	35.9	30	100	Vert.	46.0	10.1	
745.110	34.9	QP	22.4	-19.4	37.9	142	100	Hori.	46.0	8.1	
749.995	37.7	QP	22.5	-19.3	40.9	146	100	Vert.	46.0	5.1	

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)

**Radiated Spurious Emission (30MHz-1GHz, 20dB evaluation)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: Sony Computer Entertainment Inc.	Report No.	: 27AE0069-HO
Equipment	: PLAYSTATION®3	Regulation	: FCC 15.247(d) / RSS-210 A8.5
Model	: CECHA01	Test distance	: 3m
Sample No.	: G1D0184	Date	: 08/24/2006
Power	: AC 120 V / 60 Hz	Temperature	: 23deg.C
Mode	: WLAN IEEE802.11g , Tx 2462MHz , 54Mbps	Humidity	: 65%
Remarks	: X-axis	Engineer	: Mitsuru Fujimura

**20dBc(Fundamental 2462MHz)** (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Attenuator LOSS [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Attenuator LOSS</b>												
0	2462.0	101.0	100.3	26.8	32.6	2.1	0.0	97.3	96.6	-	-	-
1	84.5	54.5	-	8.1	31.9	2.0	6.0	38.7	-	Funda-20dB	38.6	-
2	141.9	48.4	-	15.2	31.8	2.6	6.0	40.4	-	Funda-20dB	36.9	-
3	338.7	50.6	-	17.2	31.9	4.2	6.0	46.1	-	Funda-20dB	31.2	-
4	480.0	45.6	-	19.6	31.9	5.1	6.0	44.4	-	Funda-20dB	32.9	-

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

**Radiated Spurious Emission (30MHz-1GHz)**

\* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

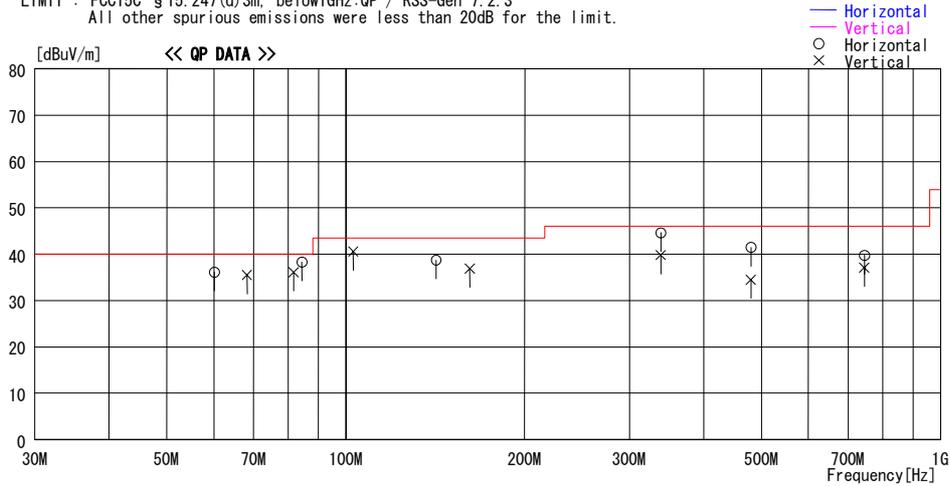
**DATA OF RADIATED EMISSION TEST**

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber  
Date : 2006/08/23 20:41:39

Applicant : Sony Computer Entertainment Inc. Report No. : 27AE0069-HO  
Kind of EUT : PLAYSTATION®3 Power : AC 120V / 60Hz  
Model No. : CECHA01 Temp. / Humi. : 23 deg. C. / 65 %  
Serial No. : G1D0184 Operator : Mitsuru Fujimura

Mode / Remarks : WLAN IEEE802.11b/g Rx 2437MHz Ant:1, X-axis

LIMIT : FCC15C §15.247(d)3m, below1GHz:QP / RSS-Gen 7.2.3  
All other spurious emissions were less than 20dB for the limit.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss&Gain [dB]							
60.136	51.7	QP	8.8	-24.4	36.1	171	365	Hori.	40.0	3.9	
68.225	52.1	QP	7.6	-24.2	35.5	301	206	Vert.	40.0	4.5	
81.687	52.4	QP	7.6	-23.9	36.1	136	122	Vert.	40.0	3.9	
84.365	54.1	QP	8.1	-23.9	38.3	89	202	Hori.	40.0	1.7	
102.932	52.9	QP	11.4	-23.7	40.6	250	100	Vert.	43.5	2.9	
141.815	46.7	QP	15.2	-23.2	38.7	64	226	Hori.	43.5	4.8	
161.571	44.1	QP	15.8	-23.0	36.9	5	100	Vert.	43.5	6.6	
338.689	49.1	QP	17.2	-21.7	44.6	121	100	Hori.	46.0	1.4	
338.689	44.3	QP	17.2	-21.7	39.8	88	304	Vert.	46.0	6.2	
480.028	42.7	QP	19.6	-20.8	41.5	100	100	Hori.	46.0	4.5	
480.029	35.7	QP	19.6	-20.8	34.5	254	107	Vert.	46.0	11.5	
745.110	34.1	QP	22.4	-19.4	37.1	278	100	Vert.	46.0	8.9	
745.113	36.8	QP	22.4	-19.4	39.8	141	100	Hori.	46.0	6.2	

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)

**Radiated Spurious Emission (1GHz-26GHz)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION@3  
Model : CECHA01  
Sample No. : G1D0184  
Power : AC 120 V / 60 Hz  
Mode : WLAN IEEE802.11b , Tx 2412MHz , 11Mbps  
Remarks : X-axis

Report No. : 27AE0069-HO  
Regulation : FCC 15.247(d) / RSS-210 A8.5  
Test distance : 3/1m  
Date : 08/21/2006 08/22/2006  
Temperature : 22deg.C 22deg.C  
Humidity : 62% 63%  
Engineer : Mitsuru Fujimura

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dB]	VER [dB]		HOR [dB]	VER [dB]
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1620.0	70.2	72.1	25.2	33.6	1.8	0.0	63.6	65.5	74.0	10.4	8.5
2*	1945.2	68.3	72.9	25.5	33.0	1.9	0.0	62.7	67.3	74.0	-	-
3	2390.0	57.4	49.5	26.6	32.7	2.1	0.0	53.4	45.5	74.0	20.6	28.5
4*	2398.3	68.4	60.9	26.6	32.7	2.1	0.0	64.4	56.9	74.0	-	-
5	4824.0	42.7	43.1	30.9	31.5	3.2	1.4	46.7	47.1	74.0	27.3	26.9
6	7236.0	41.5	41.7	35.3	32.4	3.9	1.2	49.5	49.7	74.0	24.5	24.3
7	9648.0	42.1	42.2	37.6	33.0	4.8	1.0	52.5	52.6	74.0	21.5	21.4
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
8	12060.0	not found	not found	-	-	-	-	-	-	74.0	-	-
9	14472.0	not found	not found	-	-	-	-	-	-	74.0	-	-
10	16884.0	not found	not found	-	-	-	-	-	-	74.0	-	-
11	19296.0	not found	not found	-	-	-	-	-	-	74.0	-	-
12	21708.0	not found	not found	-	-	-	-	-	-	74.0	-	-
13	24120.0	45.4	45.9	39.1	31.8	8.0	0.0	51.2	51.7	74.0	22.8	22.3

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dB]	VER [dB]		HOR [dB]	VER [dB]
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1620.0	32.7	33.3	25.2	33.6	1.8	0.0	26.1	26.7	54.0	27.9	27.3
2*	1945.2	34.2	38.2	25.5	33.0	1.9	0.0	28.6	32.6	54.0	-	-
3	2390.0	46.2	38.3	26.6	32.7	2.1	0.0	42.2	34.3	54.0	11.8	19.7
4*	2398.3	59.2	51.9	26.6	32.7	2.1	0.0	55.2	47.9	54.0	-	-
5	4824.0	30.7	30.8	30.9	31.5	3.2	1.4	34.7	34.8	54.0	19.3	19.2
6	7236.0	29.6	29.5	35.3	32.4	3.9	1.2	37.6	37.5	54.0	16.4	16.5
7	9648.0	30.1	30.1	37.6	33.0	4.8	1.0	40.5	40.5	54.0	13.5	13.5
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
8	12060.0	not found	not found	-	-	-	-	-	-	54.0	-	-
9	14472.0	not found	not found	-	-	-	-	-	-	54.0	-	-
10	16884.0	not found	not found	-	-	-	-	-	-	54.0	-	-
11	19296.0	not found	not found	-	-	-	-	-	-	54.0	-	-
12	21708.0	not found	not found	-	-	-	-	-	-	54.0	-	-
13	24120.0	33.2	33.2	39.1	31.8	8.0	0.0	39.0	39.0	54.0	15.0	15.0

\* Reference data

**20dBc(Fundamental 2412MHz) (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 [dBuV]	VER [dBuV]					HOR [dB]	VER [dB]			
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
0	2412.0	107.9	102.0	26.7	32.7	2.1	0.0	104.0	98.1	-	-	-
2	1945.2	55.9	62.3	25.5	33.0	1.9	0.0	50.3	56.7	Funda-20dB	33.7	21.5
4	2398.3	60.2	53.1	26.6	32.7	2.1	0.0	56.2	49.1	Funda-20dB	27.8	29.0

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

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

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

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

**Radiated Spurious Emission (1GHz-26GHz)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION@3  
Model : CECHA01  
Sample No. : G1D0184  
Power : AC 120 V / 60 Hz  
Mode : WLAN IEEE802.11b , Tx 2437MHz , 11Mbps  
Remarks : X-axis

Report No. : 27AE0069-HO  
Regulation : FCC 15.247(d) / RSS-210 A8.5  
Test distance : 3/1m  
Date : 08/21/2006 08/22/2006  
Temperature : 22deg.C 22deg.C  
Humidity : 62% 63%  
Engineer : Mitsuru Fujimura

**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]		
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1620.0	73.6	72.4	25.2	33.6	1.8	0.0	67.0	65.8	74.0	7.0	8.2
2*	1945.8	68.8	73.2	25.5	33.0	1.9	0.0	63.2	67.6	74.0	-	-
3	4874.0	42.5	43.4	31.0	31.5	3.2	1.4	46.6	47.5	74.0	27.4	26.5
4	7311.0	42.3	41.9	35.4	32.5	3.9	1.1	50.2	49.8	74.0	23.8	24.2
5	9748.0	41.3	42.0	37.6	33.1	4.8	1.1	51.7	52.4	74.0	22.3	21.6
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
6	12185.0	not found	not found	-	-	-	-	-	-	74.0	-	-
7	14622.0	not found	not found	-	-	-	-	-	-	74.0	-	-
8	17059.0	not found	not found	-	-	-	-	-	-	74.0	-	-
9	19496.0	not found	not found	-	-	-	-	-	-	74.0	-	-
10	21933.0	not found	not found	-	-	-	-	-	-	74.0	-	-
11	24370.0	45.7	46.2	39.1	31.7	8.0	0.0	51.6	52.1	74.0	22.4	21.9

**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
		[dBuV]						[dBuV/m]		[dB]		
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1620.0	34.1	34.1	25.2	33.6	1.8	0.0	27.5	27.5	54.0	26.5	26.5
2*	1945.8	35.7	38.5	25.5	33.0	1.9	0.0	30.1	32.9	54.0	-	-
3	4874.0	30.3	30.9	31.0	31.5	3.2	1.4	34.4	35.0	54.0	19.6	19.0
4	7311.0	29.8	29.8	35.4	32.5	3.9	1.1	37.7	37.7	54.0	16.3	16.3
5	9748.0	29.6	29.6	37.6	33.1	4.8	1.1	40.0	40.0	54.0	14.0	14.0
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
6	12185.0	not found	not found	-	-	-	-	-	-	54.0	-	-
7	14622.0	not found	not found	-	-	-	-	-	-	54.0	-	-
8	17059.0	not found	not found	-	-	-	-	-	-	54.0	-	-
9	19496.0	not found	not found	-	-	-	-	-	-	54.0	-	-
10	21933.0	not found	not found	-	-	-	-	-	-	54.0	-	-
11	24370.0	33.5	33.5	39.1	31.7	8.0	0.0	39.4	39.4	54.0	14.6	14.6

\* Reference data

**20dBc(Fundamental 2437MHz) (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
		[dBuV]						[dBuV/m]		[dB]		
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
0	2437.0	105.9	102.4	26.7	32.6	2.1	0.0	102.1	98.6	-	-	-
2	1945.8	57.6	60.3	25.5	33.0	1.9	0.0	52.0	54.7	Funda-20dB	30.1	23.9

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

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

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

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

**Radiated Spurious Emission (1GHz-26GHz)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION@3  
Model : CECHA01  
Sample No. : G1D0184  
Power : AC 120 V / 60 Hz  
Mode : WLAN IEEE802.11b , Tx 2462MHz , 11Mbps  
Remarks : X-axis

Report No. : 27AE0069-HO  
Regulation : FCC 15.247(d) / RSS-210 A8.5  
Test distance : 3/1m  
Date : 08/21/2006 08/22/2006  
Temperature : 22deg.C 22deg.C  
Humidity : 62% 63%  
Engineer : Mitsuru Fujimura

**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*	1620.0	70.5	72.1	25.2	33.6	1.8	0.0	63.9	65.5	74.0	-	-
2*	1945.3	67.9	72.8	25.5	33.0	1.9	0.0	62.3	67.2	74.0	-	-
3	2483.5	55.1	53.7	26.8	32.6	2.2	0.0	51.5	50.1	74.0	22.5	23.9
4	4924.0	43.3	42.7	31.1	31.5	3.2	1.4	47.5	46.9	74.0	26.5	27.1
5	7386.0	42.6	42.5	35.6	32.5	3.9	1.1	50.7	50.6	74.0	23.3	23.4
6	9848.0	41.2	41.5	37.6	33.1	4.9	1.2	51.8	52.1	74.0	22.2	21.9
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
7	12310.0	not found	not found	-	-	-	-	-	-	74.0	-	-
8	14772.0	not found	not found	-	-	-	-	-	-	74.0	-	-
9	17234.0	not found	not found	-	-	-	-	-	-	74.0	-	-
10	19696.0	not found	not found	-	-	-	-	-	-	74.0	-	-
11	22158.0	not found	not found	-	-	-	-	-	-	74.0	-	-
12	24620.0	46.3	45.8	39.2	31.5	8.0	0.0	52.5	52.0	74.0	21.5	22.0

**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
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1*	1620.0	32.1	33.3	25.2	33.6	1.8	0.0	25.5	26.7	54.0	-	-
2*	1945.3	34.3	37.0	25.5	33.0	1.9	0.0	28.7	31.4	54.0	-	-
3	2483.5	43.0	41.4	26.8	32.6	2.2	0.0	39.4	37.8	54.0	14.6	16.2
4	4924.0	30.9	30.3	31.1	31.5	3.2	1.4	35.1	34.5	54.0	18.9	19.5
5	7386.0	29.9	30.0	35.6	32.5	3.9	1.1	38.0	38.1	54.0	16.0	15.9
6	9848.0	29.5	29.4	37.6	33.1	4.9	1.2	40.1	40.0	54.0	13.9	14.0
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
7	12310.0	not found	not found	-	-	-	-	-	-	54.0	-	-
8	14772.0	not found	not found	-	-	-	-	-	-	54.0	-	-
9	17234.0	not found	not found	-	-	-	-	-	-	54.0	-	-
10	19696.0	not found	not found	-	-	-	-	-	-	54.0	-	-
11	22158.0	not found	not found	-	-	-	-	-	-	54.0	-	-
12	24620.0	33.8	33.8	39.2	31.5	8.0	0.0	40.0	40.0	54.0	14.0	14.0

\* Reference data

**20dBc(Fundamental 2462MHz)** (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
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
0	2462.0	105.8	103.1	26.8	32.6	2.1	0.0	102.1	99.4	-	-	-
1	1620.0	60.5	60.5	25.2	33.6	1.8	0.0	53.9	53.9	Funda-20dB	28.2	25.5
2	1945.3	55.8	60.8	25.5	33.0	1.9	0.0	50.2	55.2	Funda-20dB	32.0	24.2

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

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

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

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

**Radiated Spurious Emission (1GHz-26GHz)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION@3  
Model : CECHA01  
Sample No. : G1D0184  
Power : AC 120 V / 60 Hz  
Mode : WLAN IEEE802.11g , Tx 2412MHz , 54Mbps  
Remarks : X-axis

Report No. : 27AE0069-HO  
Regulation : FCC 15.247(d) / RSS-210 A8.5  
Test distance : 3/1m  
Date : 08/21/2006 08/22/2006  
Temperature : 22deg.C 22deg.C  
Humidity : 62% 63%  
Engineer : Mitsuru Fujimura

**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	1620.0	70.2	71.9	25.2	33.6	1.8	0.0	63.6	65.3	74.0	10.4	8.7
2*	1944.2	69.5	76.1	25.5	33.0	1.9	0.0	63.9	70.5	74.0	-	-
3	2390.0	66.0	63.2	26.6	32.7	2.1	0.0	62.0	59.2	74.0	12.0	14.8
4*	2400.0	84.9	82.2	26.6	32.7	2.1	0.0	80.9	78.2	74.0	-	-
5	4824.0	40.7	41.3	30.9	31.5	3.2	1.4	44.7	45.3	74.0	29.3	28.7
6	7236.0	41.5	41.4	35.3	32.4	3.9	1.2	49.5	49.4	74.0	24.5	24.6
7	9648.0	42.1	42.5	37.6	33.0	4.8	1.0	52.5	52.9	74.0	21.5	21.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
8	12060.0	not found	not found	-	-	-	-	-	-	74.0	-	-
9	14472.0	not found	not found	-	-	-	-	-	-	74.0	-	-
10	16884.0	not found	not found	-	-	-	-	-	-	74.0	-	-
11	19296.0	not found	not found	-	-	-	-	-	-	74.0	-	-
12	21708.0	not found	not found	-	-	-	-	-	-	74.0	-	-
13	24120.0	46.1	46.3	39.1	31.8	8.0	0.0	51.9	52.1	74.0	22.1	21.9

**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
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1620.0	32.7	33.7	25.2	33.6	1.8	0.0	26.1	27.1	54.0	27.9	26.9
2*	1944.2	33.1	36.4	25.5	33.0	1.9	0.0	27.5	30.8	54.0	-	-
3	2390.0	48.7	46.1	26.6	32.7	2.1	0.0	44.7	42.1	54.0	9.3	11.9
4*	2400.0	63.0	60.6	26.6	32.7	2.1	0.0	59.0	56.6	54.0	-	-
5	4824.0	28.7	29.0	30.9	31.5	3.2	1.4	32.7	33.0	54.0	21.3	21.0
6	7236.0	29.5	29.5	35.3	32.4	3.9	1.2	37.5	37.5	54.0	16.5	16.5
7	9648.0	30.0	30.0	37.6	33.0	4.8	1.0	40.4	40.4	54.0	13.6	13.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
8	12060.0	not found	not found	-	-	-	-	-	-	54.0	-	-
9	14472.0	not found	not found	-	-	-	-	-	-	54.0	-	-
10	16884.0	not found	not found	-	-	-	-	-	-	54.0	-	-
11	19296.0	not found	not found	-	-	-	-	-	-	54.0	-	-
12	21708.0	not found	not found	-	-	-	-	-	-	54.0	-	-
13	24120.0	33.5	33.5	39.1	31.8	8.0	0.0	39.3	39.3	54.0	14.7	14.7

\* Reference data

**20dBc(Fundamental 2412MHz) (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 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
0	2412.0	101.2	98.9	26.7	32.7	2.1	0.0	97.3	95.0	-	-	-
2	1944.2	54.6	64.1	25.5	33.0	1.9	0.0	49.0	58.5	Funda-20dB	28.2	16.4
4	2400.0	68.8	65.8	26.6	32.7	2.1	0.0	64.8	61.8	Funda-20dB	12.5	13.2

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

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

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

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

**Radiated Spurious Emission (1GHz-26GHz)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION@3  
Model : CECHA01  
Sample No. : G1D0184  
Power : AC 120 V / 60 Hz  
Mode : WLAN IEEE802.11g , Tx 2437MHz , 54Mbps  
Remarks : X-axis

Report No. : 27AE0069-HO  
Regulation : FCC 15.247(d) / RSS-210 A8.5  
Test distance : 3/1m  
Date : 08/21/2006 08/22/2006  
Temperature : 22deg.C 22deg.C  
Humidity : 62% 63%  
Engineer : Mitsuru Fujimura

**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	1620.0	71.3	73.1	25.2	33.6	1.8	0.0	64.7	66.5	74.0	9.3	7.5
2*	1948.2	69.4	72.3	25.5	33.0	1.9	0.0	63.8	66.7	74.0	-	-
3	4874.0	40.9	41.2	31.0	31.5	3.2	1.4	45.0	45.3	74.0	29.0	28.7
4	7311.0	42.3	42.9	35.4	32.5	3.9	1.1	50.2	50.8	74.0	23.8	23.2
5	9748.0	41.8	41.9	37.6	33.1	4.8	1.1	52.2	52.3	74.0	21.8	21.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12185.0	not found	not found	-	-	-	-	-	-	74.0	-	-
7	14622.0	not found	not found	-	-	-	-	-	-	74.0	-	-
8	17059.0	not found	not found	-	-	-	-	-	-	74.0	-	-
9	19496.0	not found	not found	-	-	-	-	-	-	74.0	-	-
10	21933.0	not found	not found	-	-	-	-	-	-	74.0	-	-
11	24370.0	45.9	45.4	39.1	31.7	8.0	0.0	51.8	51.3	74.0	22.2	22.7

**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
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1620.0	33.2	33.9	25.2	33.6	1.8	0.0	26.6	27.3	54.0	27.4	26.7
2*	1948.2	32.6	40.2	25.5	33.0	1.9	0.0	27.0	34.6	54.0	-	-
3	4874.0	28.5	28.9	31.0	31.5	3.2	1.4	32.6	33.0	54.0	21.4	21.0
4	7311.0	29.7	29.8	35.4	32.5	3.9	1.1	37.6	37.7	54.0	16.4	16.4
5	9748.0	29.7	29.7	37.6	33.1	4.8	1.1	40.1	40.1	54.0	13.9	13.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12185.0	not found	not found	-	-	-	-	-	-	54.0	-	-
7	14622.0	not found	not found	-	-	-	-	-	-	54.0	-	-
8	17059.0	not found	not found	-	-	-	-	-	-	54.0	-	-
9	19496.0	not found	not found	-	-	-	-	-	-	54.0	-	-
10	21933.0	not found	not found	-	-	-	-	-	-	54.0	-	-
11	24370.0	33.4	33.4	39.1	31.7	8.0	0.0	39.3	39.3	54.0	14.7	14.7

\* Reference data

**20dBc(Fundamental 2437MHz) (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 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
0	2437.0	100.4	97.4	26.7	32.6	2.1	0.0	96.6	93.6	-	-	-
2	1948.2	57.8	58.8	25.5	33.0	1.9	0.0	52.2	53.2	Funda-20dB	24.4	20.4

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

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

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

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

**Radiated Spurious Emission (1GHz-26GHz)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company : Sony Computer Entertainment Inc.  
Equipment : PLAYSTATION@3  
Model : CECHA01  
Sample No. : GID0184  
Power : AC 120 V / 60 Hz  
Mode : WLAN IEEE802.11g , Tx 2462MHz , 54Mbps  
Remarks : X-axis

Report No. : 27AE0069-HO  
Regulation : FCC 15.247(d) / RSS-210 A8.5  
Test distance : 3/1m  
Date : 08/21/2006 08/22/2006  
Temperature : 22deg.C 22deg.C  
Humidity : 62% 63%  
Engineer : Mitsuru Fujimura

**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	1620.0	67.8	73.3	25.2	33.6	1.8	0.0	61.2	66.7	74.0	12.8	7.3
2*	1949.2	70.3	77.6	25.5	33.0	1.9	0.0	64.7	72.0	74.0	-	-
3	2483.5	65.3	64.6	26.8	32.6	2.2	0.0	61.7	61.0	74.0	12.3	13.0
4	4924.0	41.3	40.9	31.1	31.5	3.2	1.4	45.5	45.1	74.0	28.5	28.9
5	7386.0	42.3	42.0	35.6	32.5	3.9	1.1	50.4	50.1	74.0	23.6	23.9
6	9848.0	41.5	42.0	37.6	33.1	4.9	1.2	52.1	52.6	74.0	21.9	21.4
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
7	12310.0	not found	not found	-	-	-	-	-	-	74.0	-	-
8	14772.0	not found	not found	-	-	-	-	-	-	74.0	-	-
9	17234.0	not found	not found	-	-	-	-	-	-	74.0	-	-
10	19696.0	not found	not found	-	-	-	-	-	-	74.0	-	-
11	22158.0	not found	not found	-	-	-	-	-	-	74.0	-	-
12	24620.0	45.7	45.5	39.2	31.5	8.0	0.0	51.9	51.7	74.0	22.1	22.3

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1620.0	33.1	32.1	25.2	33.6	1.8	0.0	26.5	25.5	54.0	27.5	28.5
2*	1949.2	34.6	37.2	25.5	33.0	1.9	0.0	29.0	31.6	54.0	-	-
3	2483.5	48.1	47.2	26.8	32.6	2.2	0.0	44.5	43.6	54.0	9.5	10.4
4	4924.0	28.6	28.8	31.1	31.5	3.2	1.4	32.8	33.0	54.0	21.2	21.0
5	7386.0	29.9	29.9	35.6	32.5	3.9	1.1	38.0	38.0	54.0	16.0	16.0
6	9848.0	29.8	29.8	37.6	33.1	4.9	1.2	40.4	40.4	54.0	13.6	13.6
<b>Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
7	12310.0	not found	not found	-	-	-	-	-	-	54.0	-	-
8	14772.0	not found	not found	-	-	-	-	-	-	54.0	-	-
9	17234.0	not found	not found	-	-	-	-	-	-	54.0	-	-
10	19696.0	not found	not found	-	-	-	-	-	-	54.0	-	-
11	22158.0	not found	not found	-	-	-	-	-	-	54.0	-	-
12	24620.0	33.5	33.5	39.2	31.5	8.0	0.0	39.7	39.7	54.0	14.3	14.3

\*Reference data

**20dBc(Fundamental 2462MHz) (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
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
0	2462.0	101.0	100.3	26.8	32.6	2.1	0.0	97.3	96.6	-	-	-
2	1949.2	57.6	66.1	25.5	33.0	1.9	0.0	52.0	60.5	Funda-20dB	25.3	16.1

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

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

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

\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

**Radiated Spurious Emission (1GHz-26GHz)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: Sony Computer Entertainment Inc.	Report No.	: 27AE0069-HO
Equipment	: PLAYSTATION@3	Regulation	: FCC 15.247(d) / RSS-Gen 7.2.3
Model	: CECHA01	Test distance	: 3/1m
Sample No.	: G1D0184	Date	: 08/21/2006
Power	: AC 120 V / 60 Hz	Temperature	: 22deg.C
Mode	: WLAN IEEE802.11b/g , Rx 2437MHz	Humidity	: 62%
Remarks	: X-axis	Engineer	: Mitsuru Fujimura

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

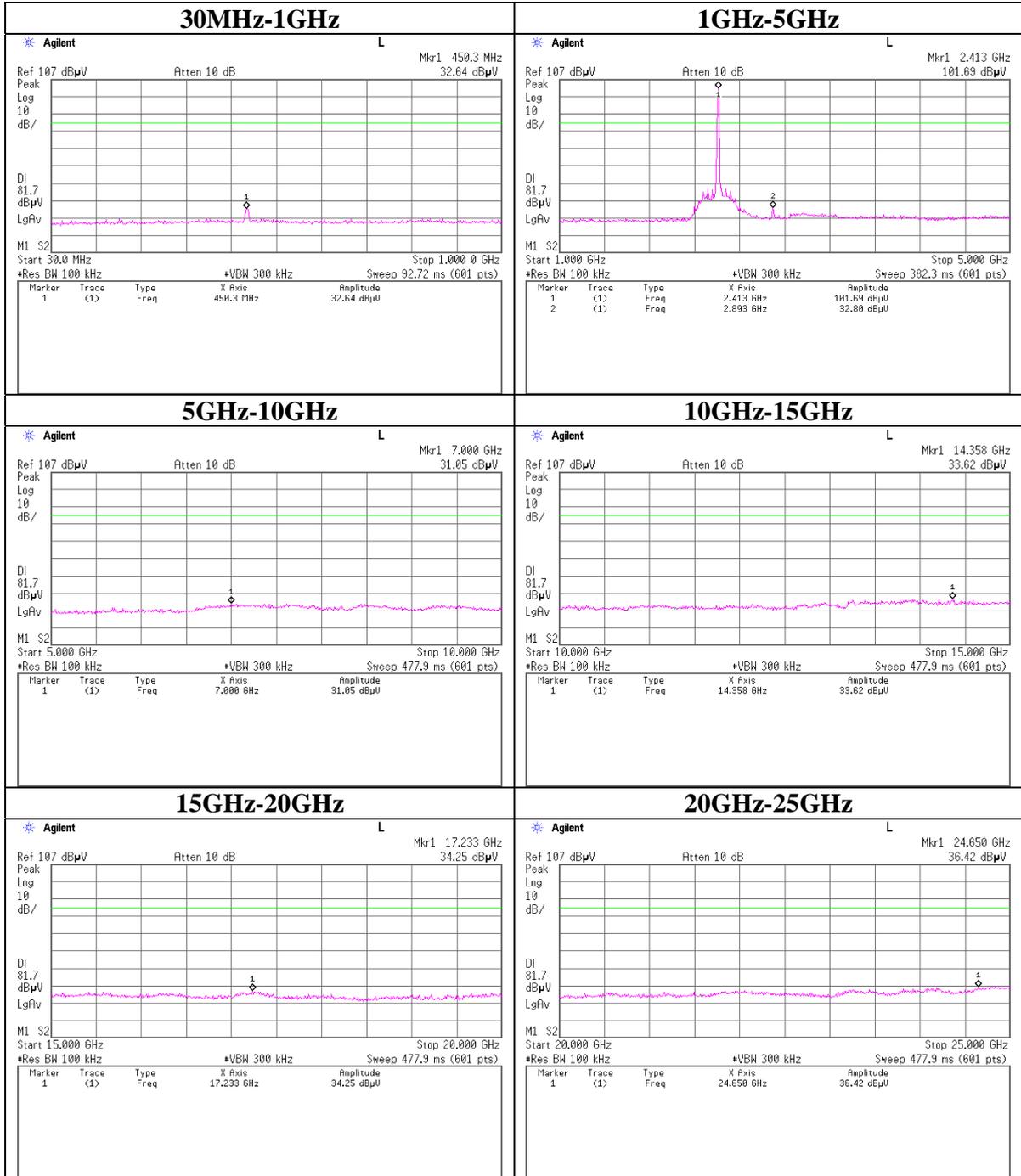
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1618.5	65.8	75.6	25.2	33.6	1.8	0.0	59.2	69.0	74.0	14.8	5.0
2	1948.1	69.2	75.7	25.5	33.0	1.9	0.0	63.6	70.1	74.0	10.4	3.9
3	2437.0	41.6	41.8	26.7	32.6	2.1	0.0	37.8	38.0	74.0	36.2	36.0
4	4500.3	42.8	47.8	30.2	31.6	3.1	0.0	44.5	49.5	74.0	29.5	24.5
5	6378.5	54.3	53.6	33.5	31.0	3.6	0.0	60.4	59.7	74.0	13.6	14.3

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

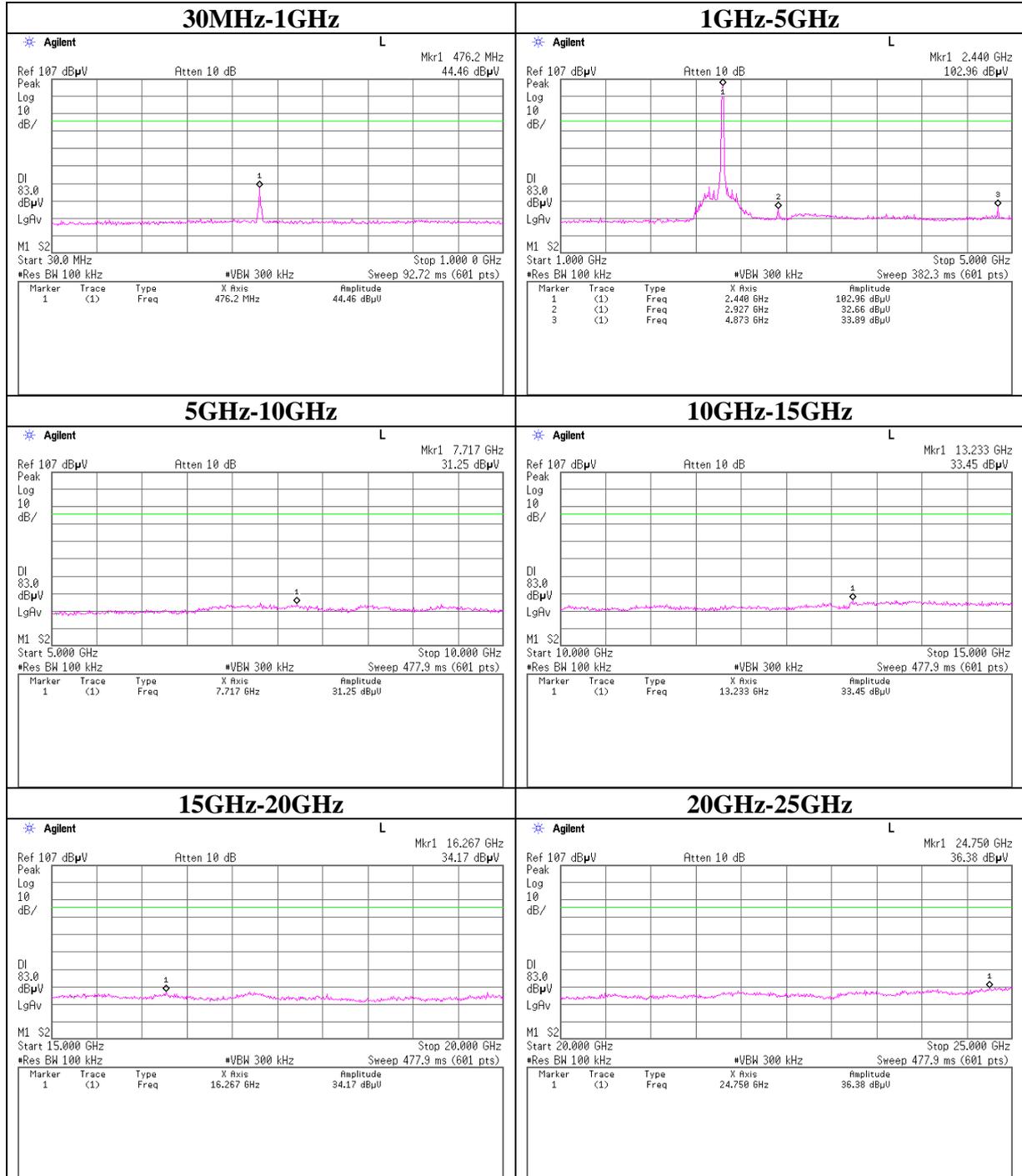
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	1618.5	31.4	33.7	25.2	33.6	1.8	0.0	24.8	27.1	54.0	29.2	26.9
2	1948.1	33.5	37.1	25.5	33.0	1.9	0.0	27.9	31.5	54.0	26.1	22.5
3	2437.0	29.4	29.7	26.7	32.6	2.1	0.0	25.6	25.9	54.0	28.4	28.1
4	4500.3	33.7	43.6	30.2	31.6	3.1	0.0	35.4	45.3	54.0	18.6	8.7
5	6378.5	31.5	31.4	33.5	31.0	3.6	0.0	37.6	37.5	54.0	16.4	16.5

\*Except for the above table : All other spurious emissions were less than 20dB for the limit.  
\*In the frequency over the fifth harmonic, the noise from the EUT was not seen. The data above is its base noise.  
\*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

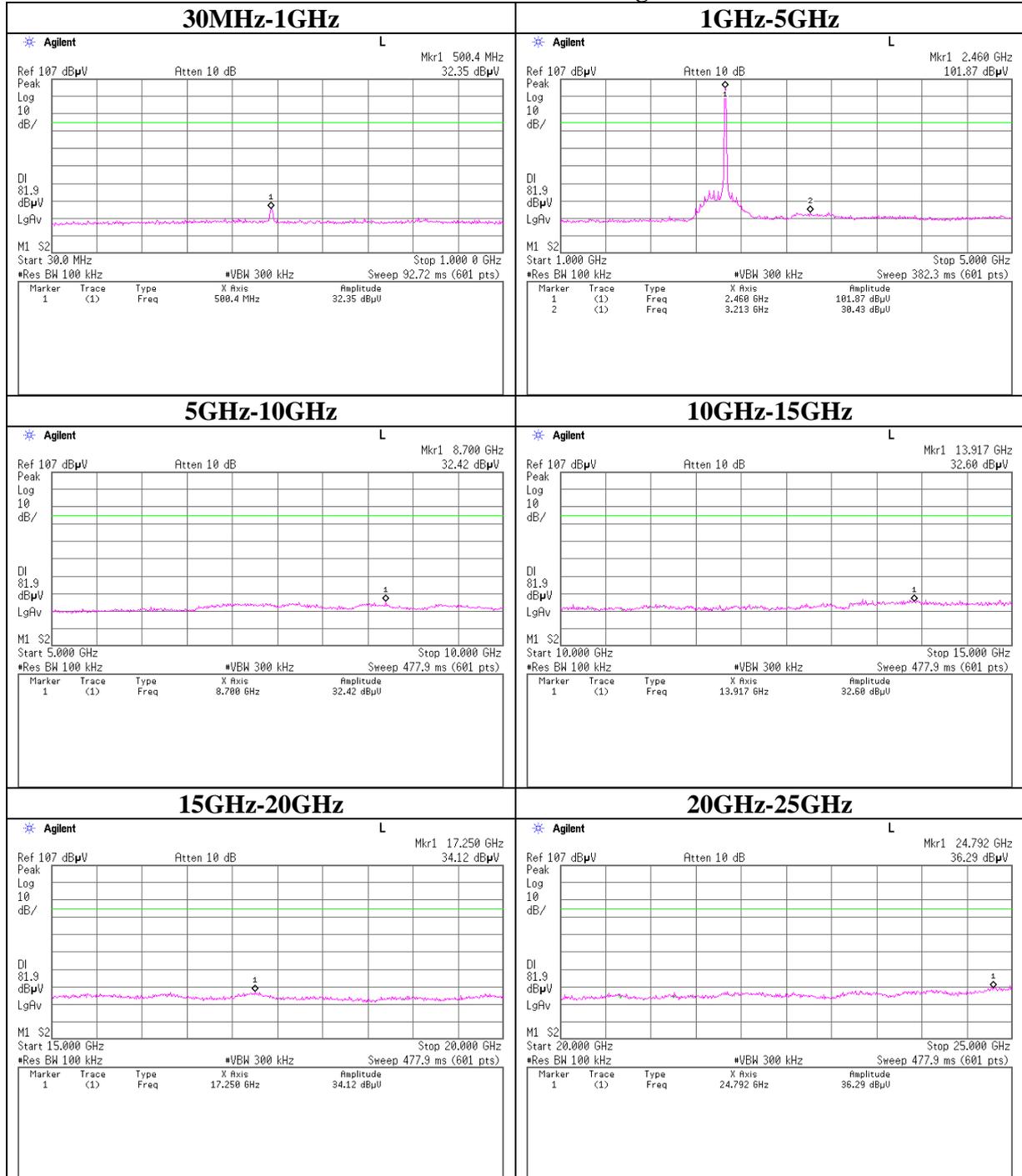
**Conducted Spurious Emission**  
**IEEE802.11b Tx Ch: Low**



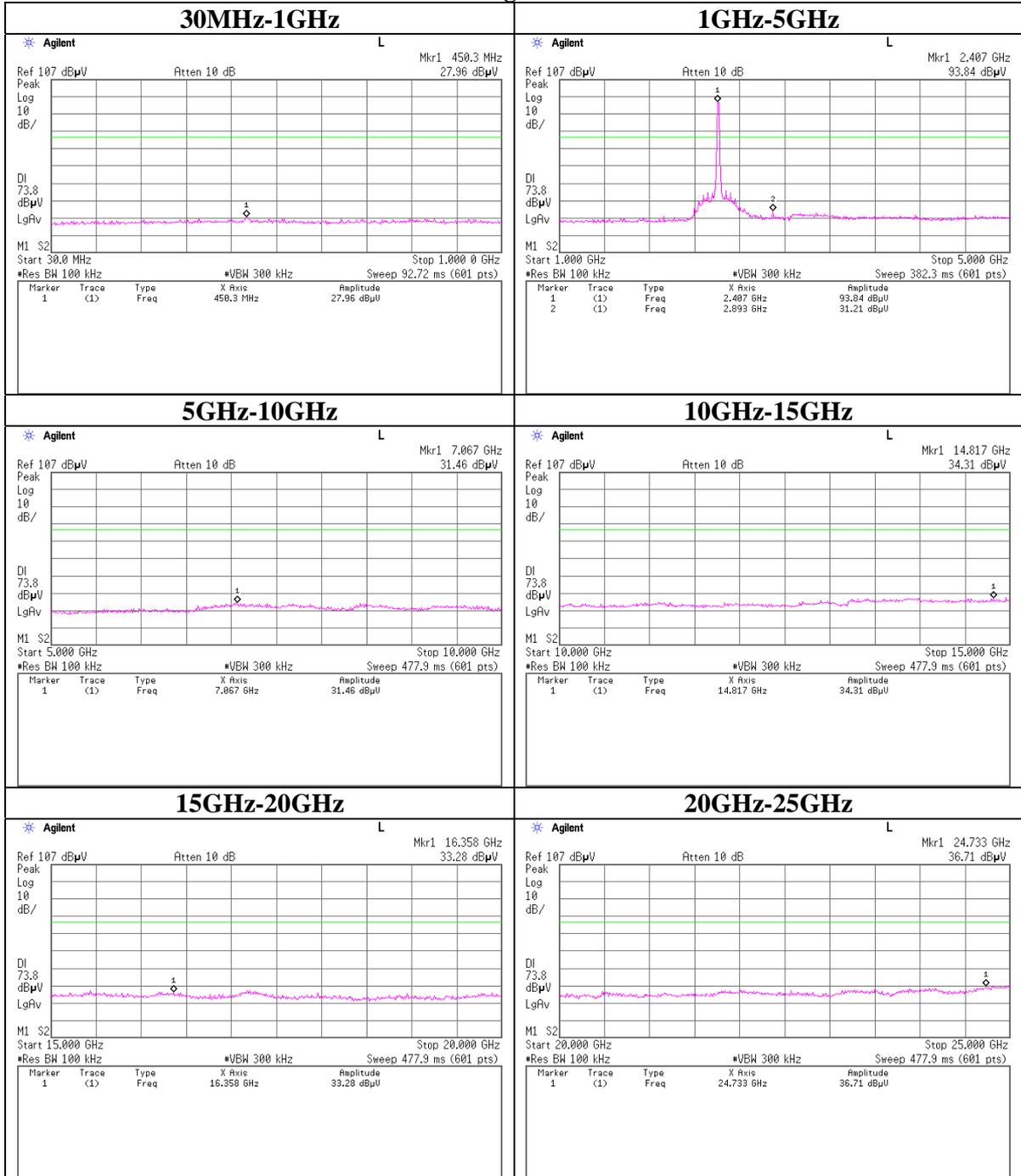
**Conducted Spurious Emission**  
**IEEE802.11b Tx Ch: Mid**



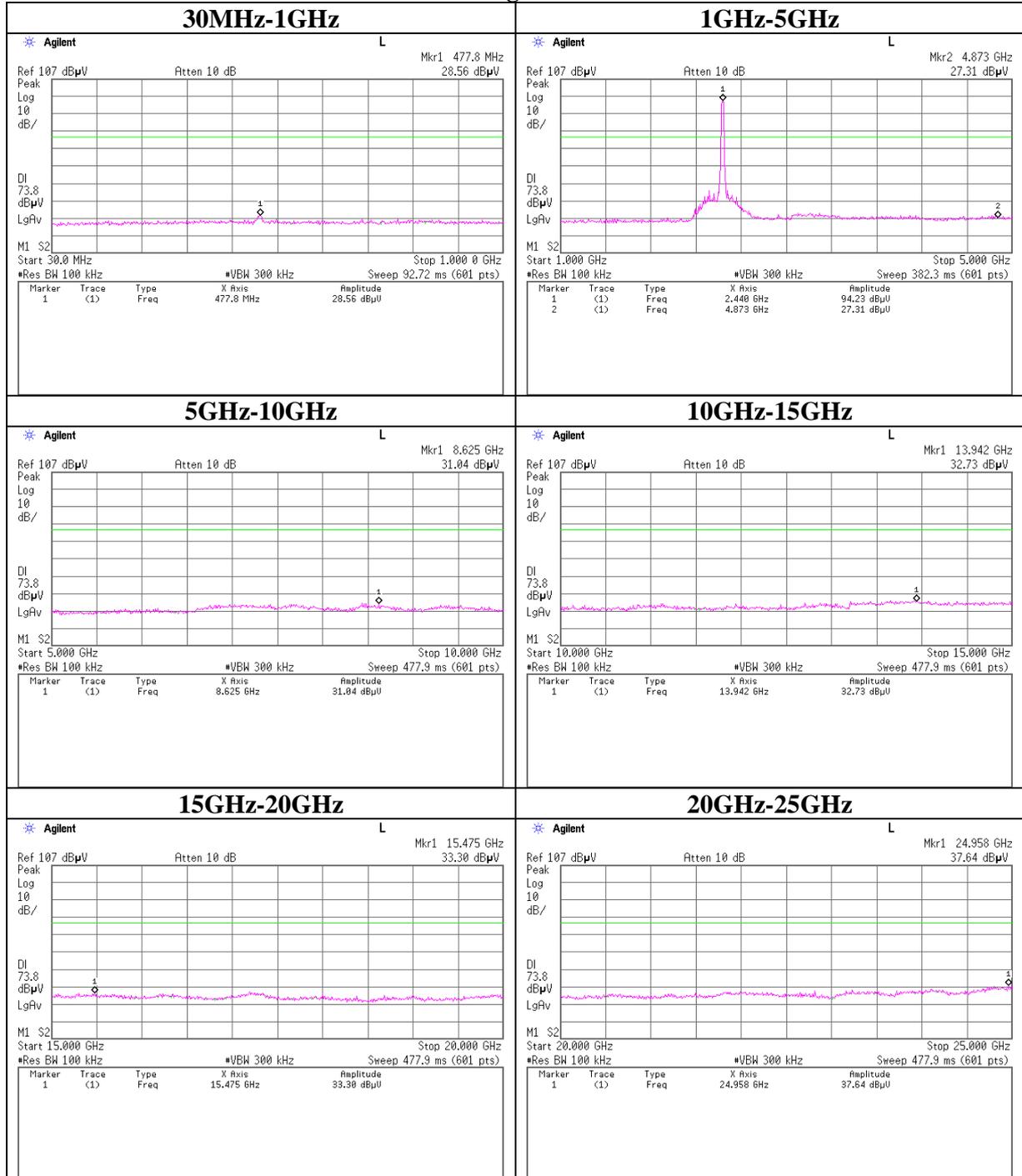
**Conducted Spurious Emission**  
**IEEE802.11b Tx Ch: High**



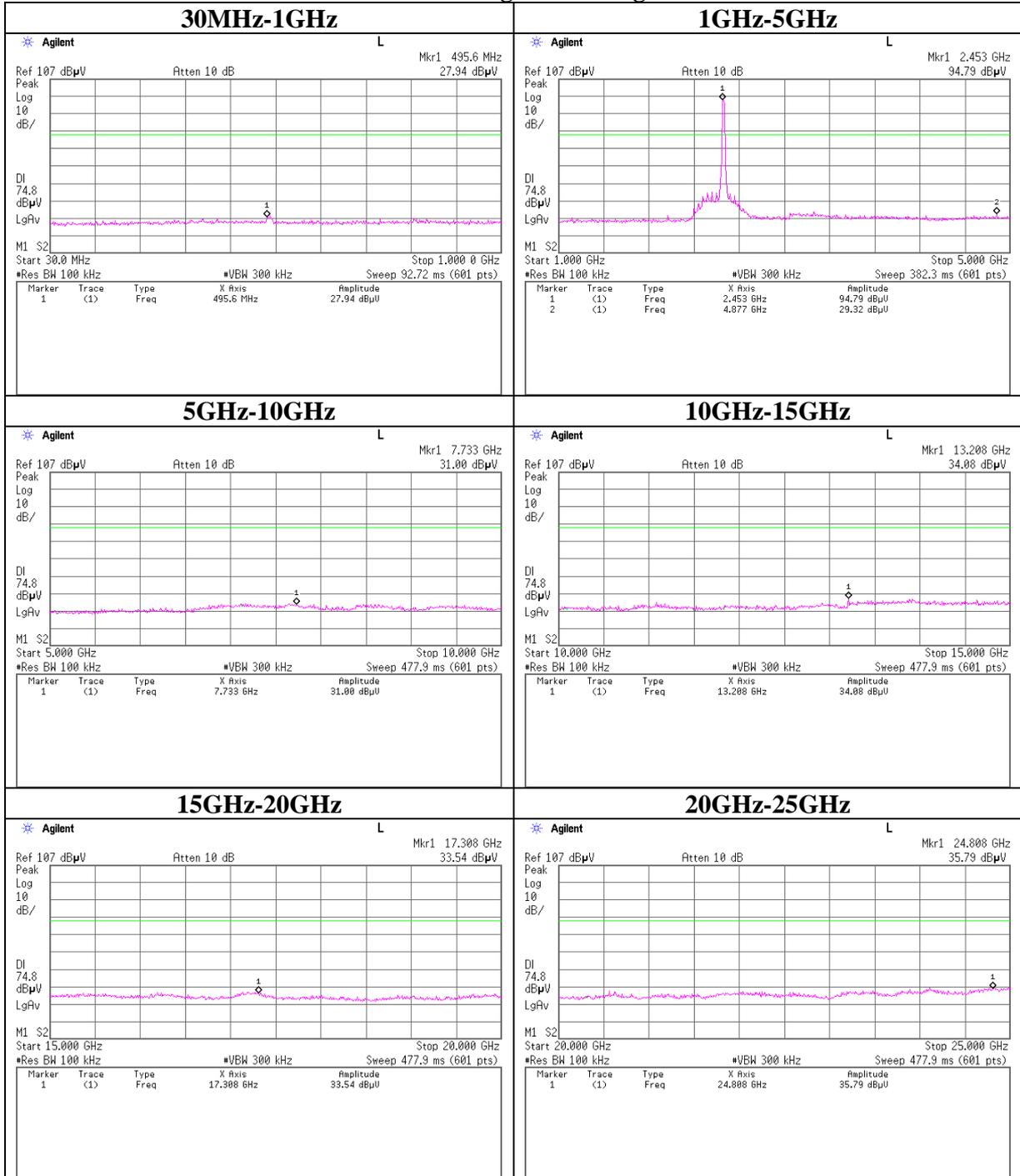
**Conducted Spurious Emission**  
**IEEE802.11g Tx Ch: Low**



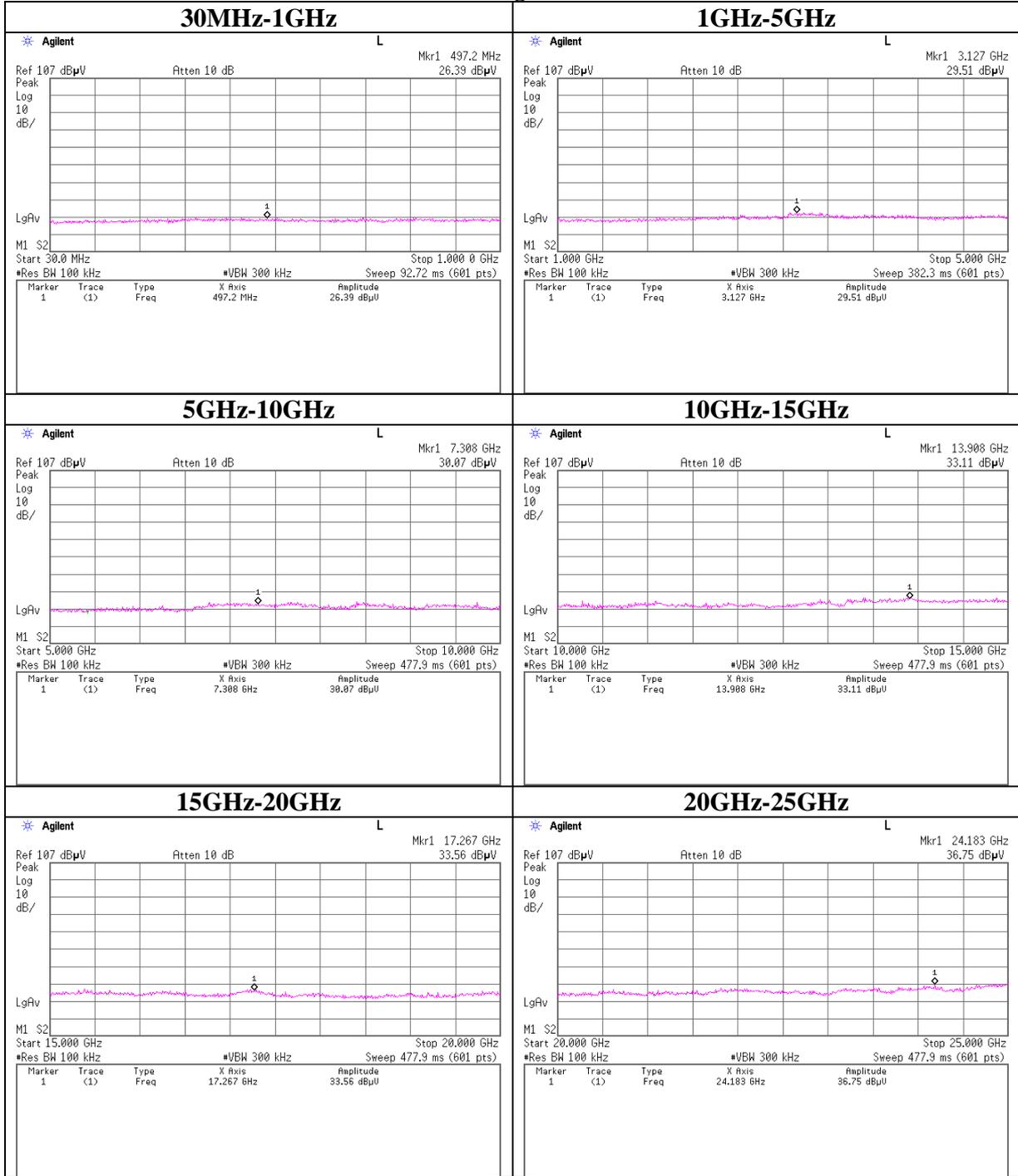
**Conducted Spurious Emission**  
**IEEE802.11g Tx Ch: Mid**



**Conducted Spurious Emission**  
**IEEE802.11g Tx Ch: High**

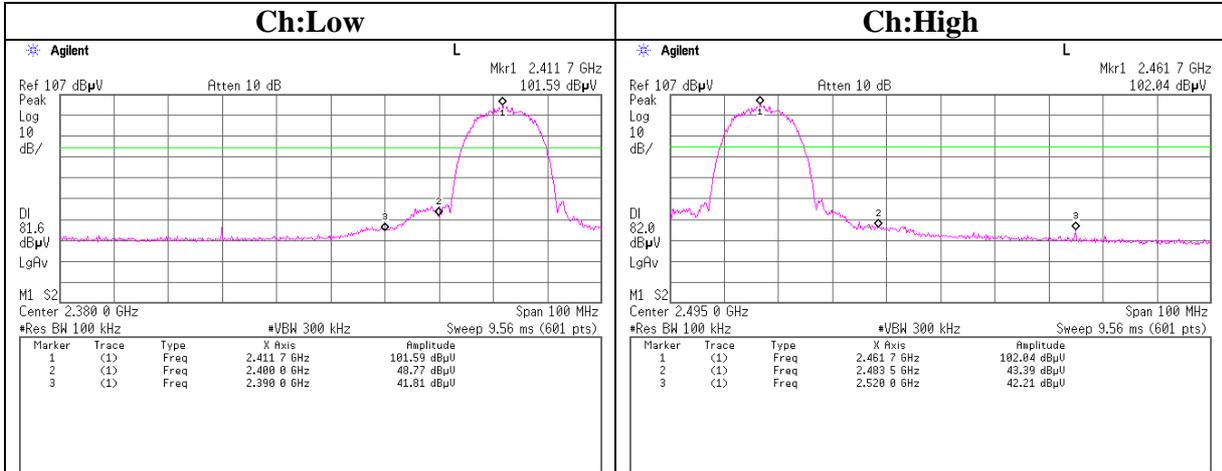


**Conducted Spurious Emission**  
**IEEE802.11b/g Rx Ch: Mid**

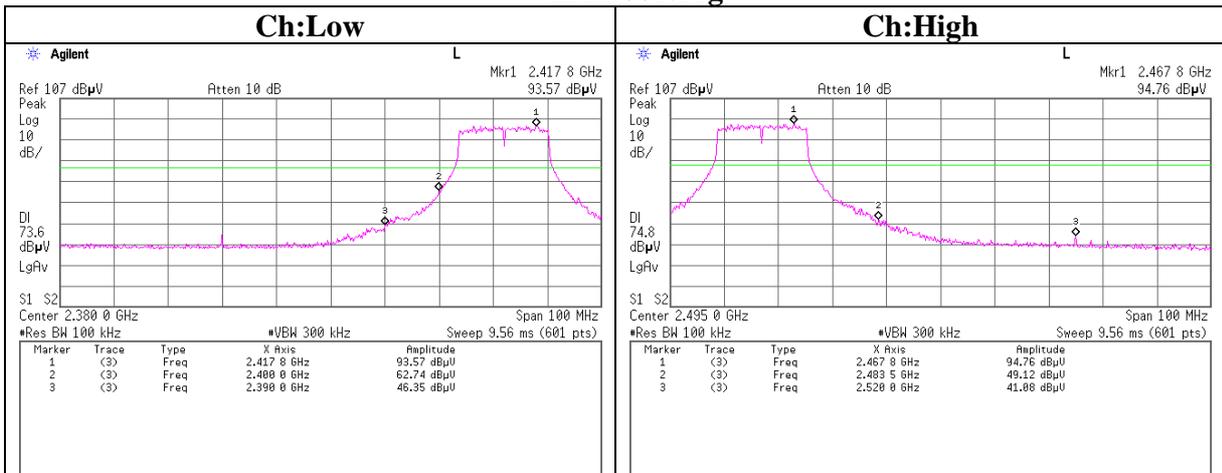


**Conducted emission Band Edge compliance**

**IEEE802.11b**



**IEEE802.11g**



### Power Density

UL Apex Co., Ltd.  
Head Office EMC Lab. No.6 Shielded Room

COMPANY	: Sony Computer Entertainment Inc.	REGULATION	: FCC C 15.247(e) / RSS-210 A8.2(2)
EQUIPMENT	: PLAYSTATION®3	TEST DISTANCE	: -
MODEL	: CECHA01	DATE	: 08/29/2006 and 08/30/2006
S/ N	: G1D0169	TEMPERATURE	: 26 deg.C and 25 deg.C
POWER	: AC120V / 60Hz	HUMIDITY	: 55% and 62%
Mode	: Tx(ch1,6,11)	ENGINEER	: Takumi Shimada

#### [IEEE802.11b] 11Mbps

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-19.72	1.85	10.35	-7.52	8.00	15.52
Mid	2437.0	-18.75	1.85	10.47	-6.43	8.00	14.43
High	2462.0	-19.38	1.72	10.34	-7.32	8.00	15.32

#### [IEEE802.11g] 54Mbps

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-27.89	1.85	10.30	-15.74	8.00	23.74
Mid	2437.0	-26.90	1.85	10.49	-14.56	8.00	22.56
High	2462.0	-27.54	1.60	10.21	-15.73	8.00	23.73

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

**UL Apex Co., Ltd.**

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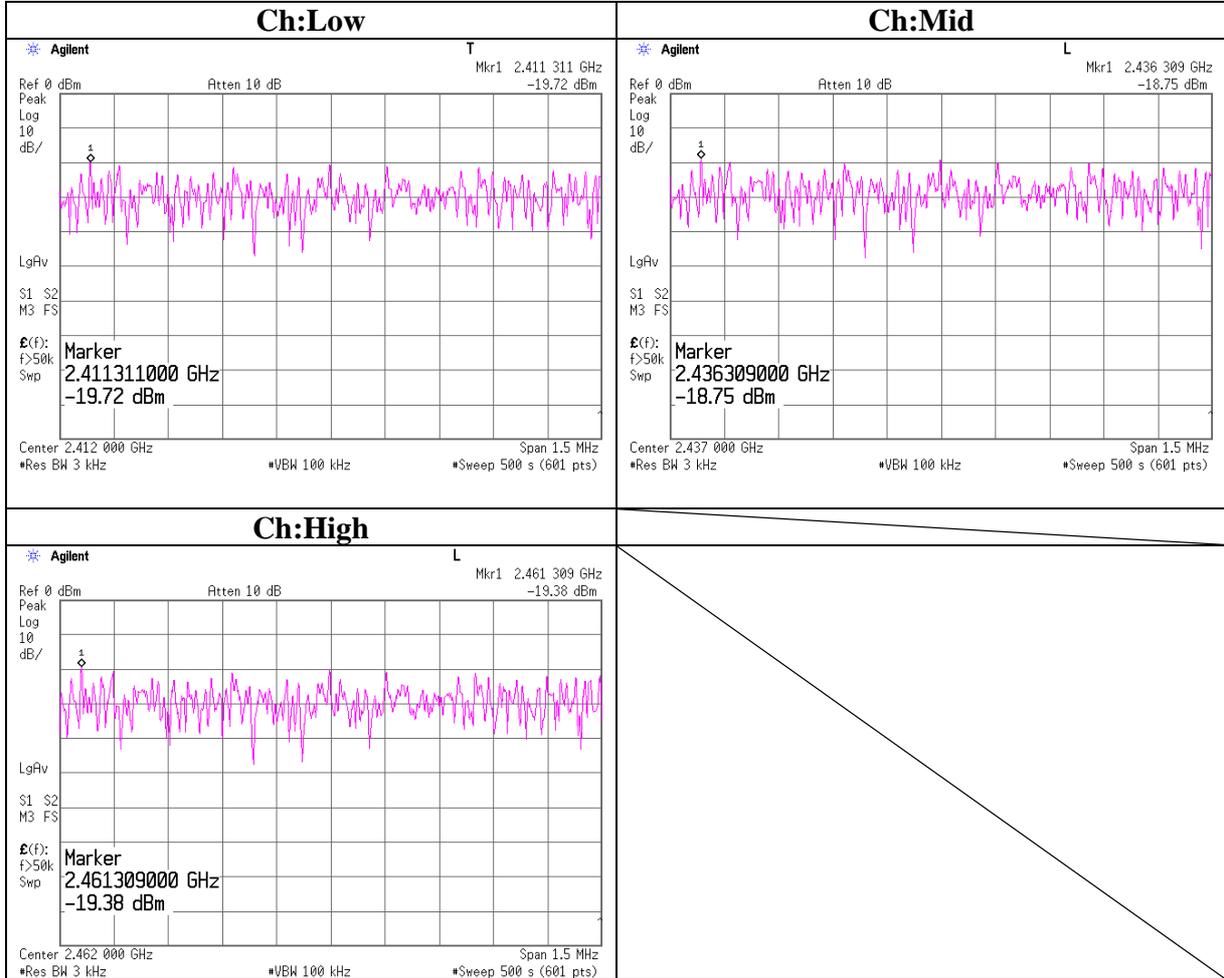
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MF060b(14.06.06)

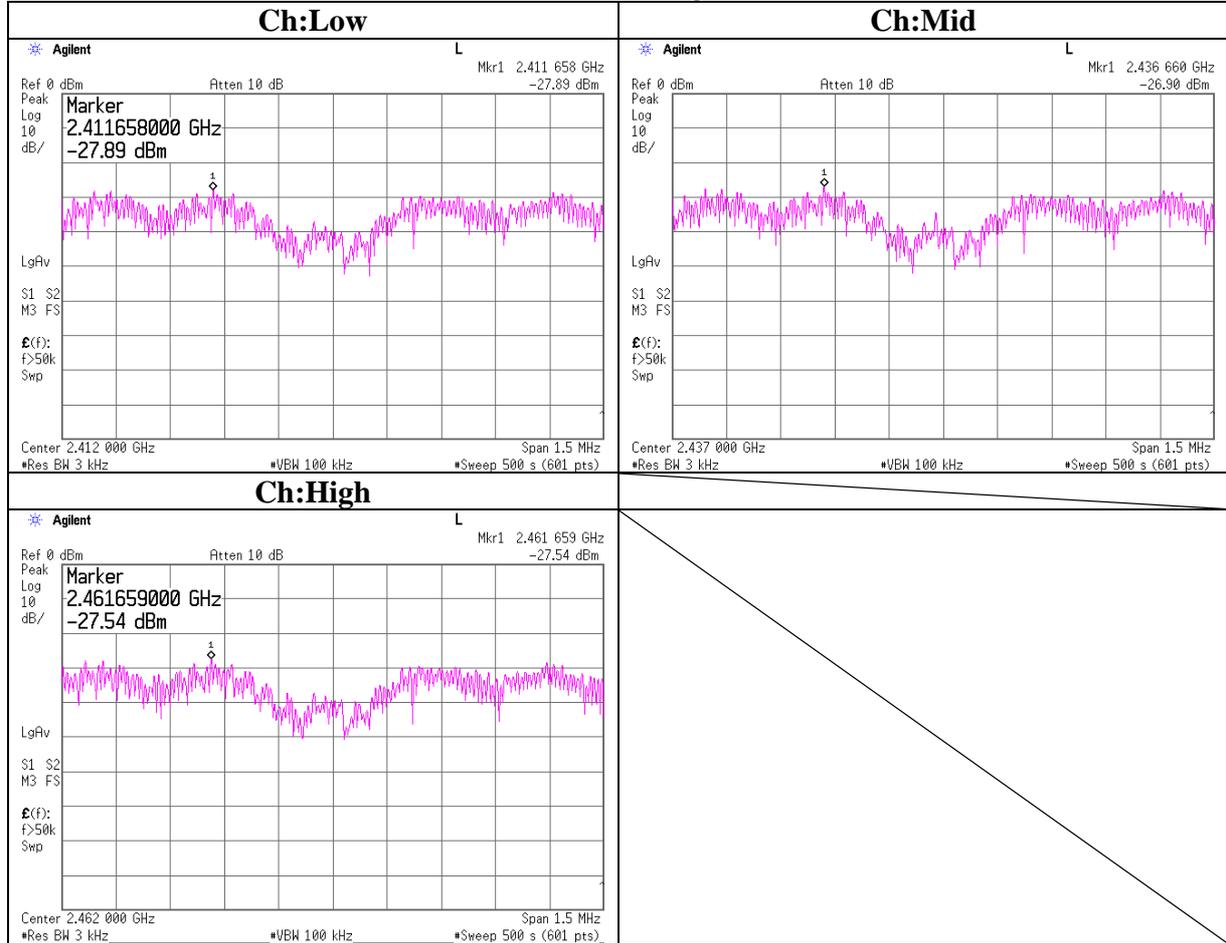
**Power Density**

**IEEE802.11b**



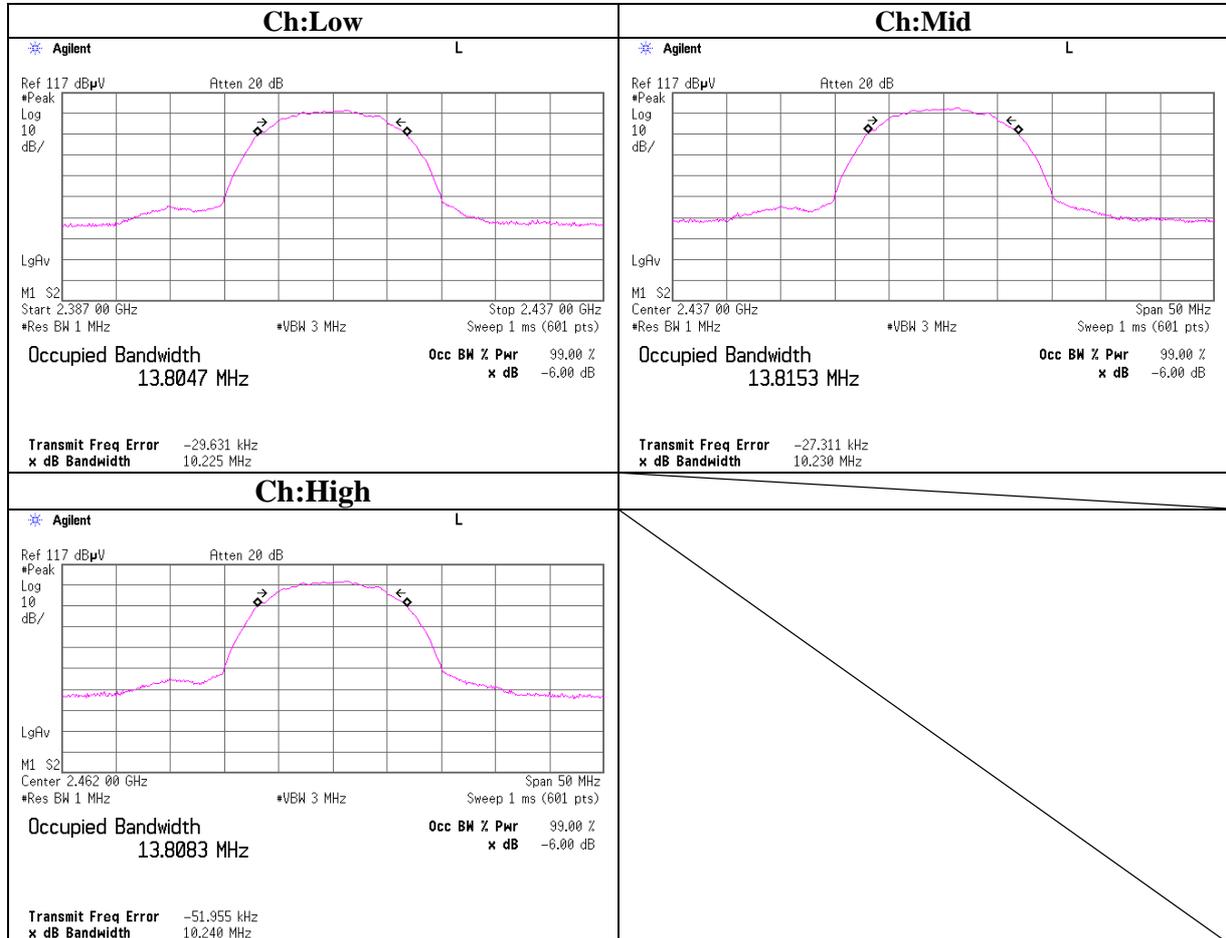
**Power Density**

**IEEE802.11g**



**99% Occupied Bandwidth**

**IEEE802.11b**



**99% Occupied Bandwidth**

**IEEE802.11g**

