

APPENDIX 2: Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT/RE	2005/09/16 * 12
MCC-26	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	AT	2005/08/30 * 12
MAT-23	Attenuator(10dB) (above1GHz)	Orient Microwave	BX10-0476-00	AT	2006/03/18 * 12
MOS-04	Digital Humidity Indicator	N.T	NT-1800	AT	2004/11/25 * 24
MRENT-23	Spectrum Analyzer	Advantest	R3273	RE	2006/01/10 * 12
MHA-04	Horn Antenna	EMCO	3160-10	RE	2006/01/09 * 12
MCC-27	Microwave Cable 1G-40GHz	Suhner	SUCOFLEX101	RE	2005/08/30 * 12
MCC-22	Microwave Cable 1G-40GHz	Storm	421-011 (90-011-080)	RE	2005/04/29 * 12
MPA-03	Microwave System Power Amplifier	Agilent	83050A	RE	2005/05/11 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2006/01/09 * 12
MCC-53	Microwave Cable	Suhner	SUCOFLEX101	RE	2006/04/01 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	2006/02/09 * 12
MHA-05	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2006/01/09 * 12
MCC-53	Microwave Cable	Suhner	SUCOFLEX101	RE	2006/04/01 * 12
MBF-03	SHF Bandpass Filter	M-City	13GHz BPF	RE	2005/05/20 * 12
MPA-01	Pre Amplifier	Agilent	8449B	RE	2006/02/09 * 12
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	CE	2006/04/10 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2006/02/06 * 12
MCC-13	Coaxial Cable	Fujikura/Agilent	-	CE	2006/02/23 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	CE	2006/03/04 * 12
MRENT-26	Spectrum Analyzer	Advantest	R3273	CE	2006/02/15 * 12
MOS-02	Digital Humidity Indicator	N.T	NT-1800	CE	2004/11/25 * 24
MRENT-23	Spectrum Analyzer	Advantest	R3273	CE	2006/01/10 * 12
TR-07	Test Receiver	Rohde & Schwarz	ESCS30	CE	2005/09/14 * 12
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/AT	2006/03/03 * 12

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Test items:

CE: Conducted emission,

RE: Radiated emission,

AT: Antenna terminal tests

UL Apex Co., Ltd.

Head Office EMC Lab.

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MF060b(01.06.05)

APPENDIX 3: Data of EMI test

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 2 Semi Anechoic Chamber
Date : 2006/04/11 11:42:38

Company : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCG-4H2L
Serial No. : XTAI-17

Report No. : 26HE0320-HO
Power : AC 120V / 60Hz
Temp./Humi. : 24deg. C / 52%
Operator : Makoto Kosaka

Mode / Remarks : Tx 11a 54Mbps 5180MHz Main + BT Hopping

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

Frequency	Reading Level		Corr.	Results		Limit		Margin		Phase
	QP	AV		QP	AV	QP	AV	QP	AV	
[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]	
0.19730	43.9	29.3	0.2	44.1	29.5	63.7	53.7	19.7	24.2	N
0.26310	36.6	---	0.4	37.0	---	61.3	---	24.3	---	N
0.46000	24.5	---	0.4	24.9	---	56.7	---	31.8	---	N
2.88780	22.2	---	0.6	22.8	---	56.0	---	33.2	---	N
4.26700	24.4	---	0.9	25.3	---	56.0	---	30.7	---	N
7.15600	15.3	---	1.2	16.5	---	60.0	---	43.5	---	N
0.19730	44.0	28.6	0.2	44.2	28.8	63.7	53.7	19.5	24.9	L
0.26310	36.6	---	0.4	37.0	---	61.3	---	24.3	---	L
0.46000	24.5	---	0.4	24.9	---	56.7	---	31.8	---	L
2.88780	15.1	---	0.6	15.7	---	56.0	---	40.3	---	L
4.26700	22.1	---	0.9	23.0	---	56.0	---	33.0	---	L
7.15600	17.1	---	1.2	18.3	---	60.0	---	41.7	---	L

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.

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MF060b(01.06.05)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 2 Semi Anechoic Chamber
Date : 2006/04/11 11:42:38

Company : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCG-4H2L
Serial No. : XTA1-17

Report No. : 26HE0320-H0
Power : AC 120V / 60Hz
Temp./Humi. : 24deg. C / 52%
Operator : Makoto Kosaka

Mode / Remarks : Tx 11a 54Mbps 5180MHz Main + BT Hopping

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

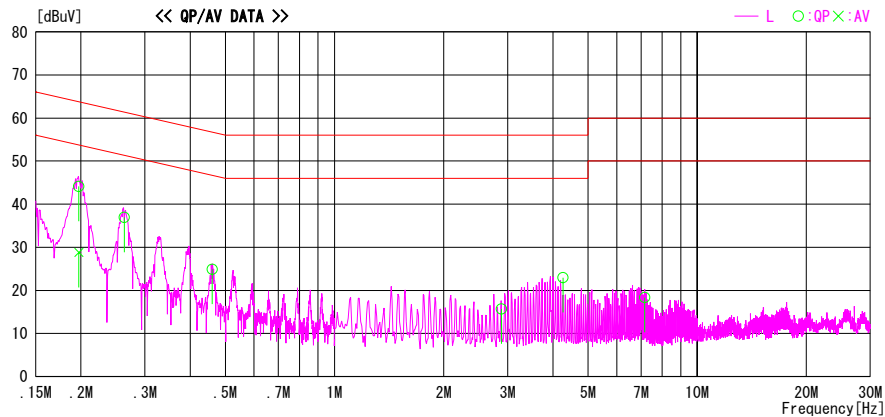
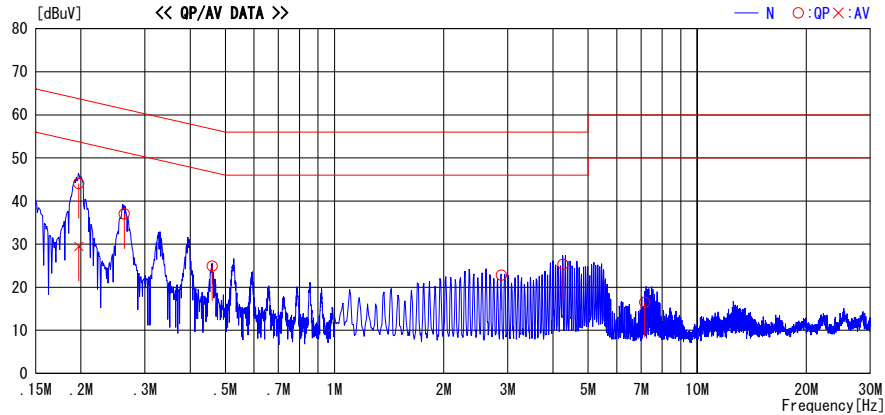


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 2 Semi Anechoic Chamber
Date : 2006/04/11 11:48:42

Company : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCG-4H2L
Serial No. : XTA1-17

Report No. : 26HE0320-H0
Power : AC 120V / 60Hz
Temp./Humi. : 24deg. C / 52%
Operator : Makoto Kosaka

Mode / Remarks : Tx 11a 54Mbps 5240MHz Main + BT Hopping

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

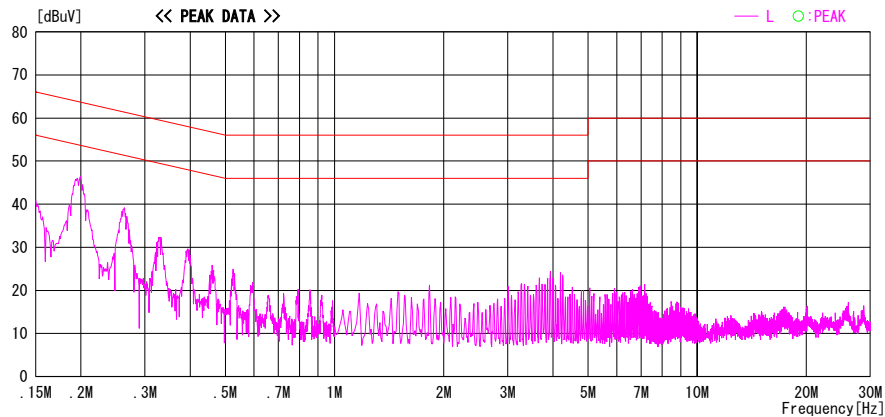
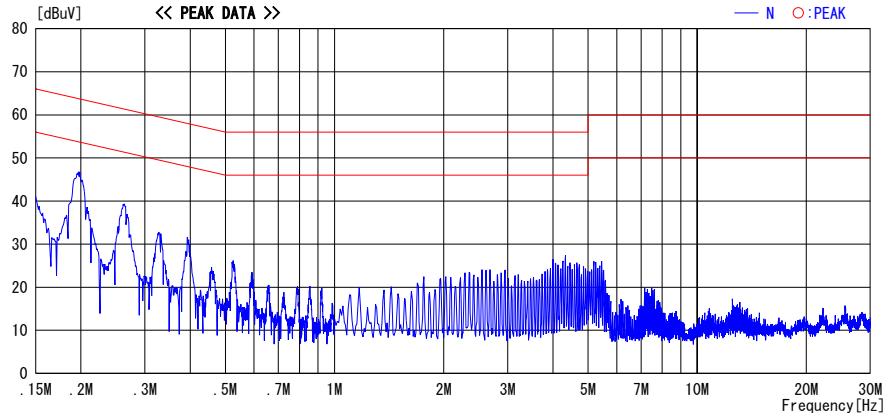


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 2 Semi Anechoic Chamber
Date : 2006/04/11 11:54:47

Company : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCG-4H2L
Serial No. : XTA1-17

Report No. : 26HE0320-H0
Power : AC 120V / 60Hz
Temp./Humi. : 24deg. C / 52%
Operator : Makoto Kosaka

Mode / Remarks : Tx 11a 54Mbps 5320MHz Main + BT Hopping

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

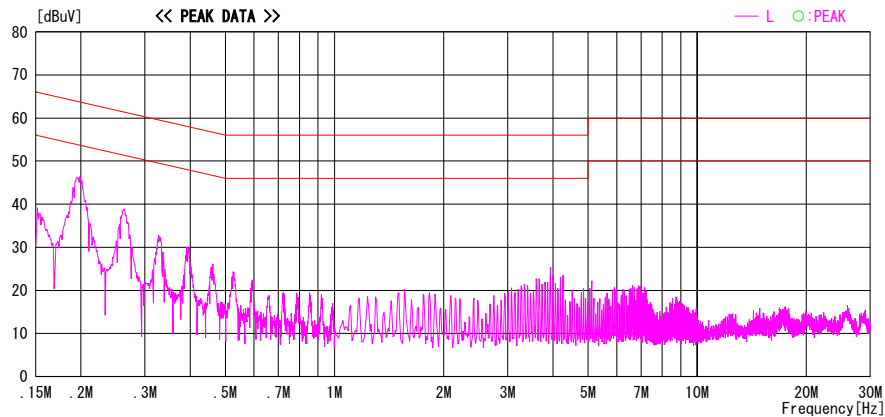
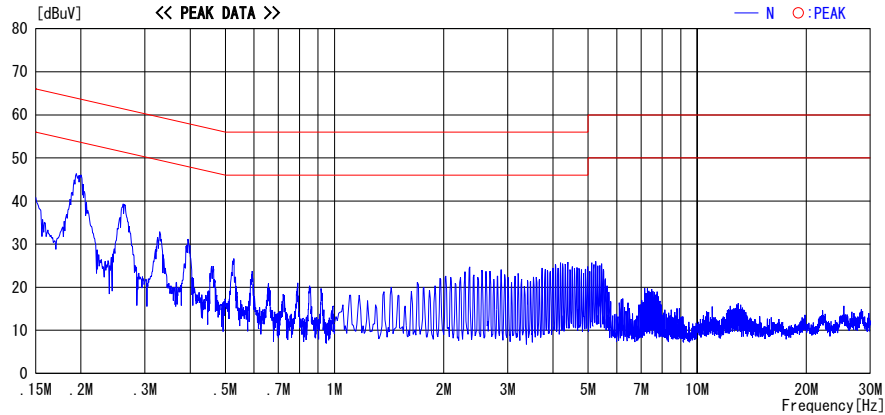


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

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MF060b(01.06.05)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 2 Semi Anechoic Chamber
Date : 2006/04/11 12:50:04

Company : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCG-4H2L
Serial No. : XTA1-17

Report No. : 26HE0320-H0
Power : AC 120V / 60Hz
Temp./Humi. : 24deg. C / 52%
Operator : Makoto Kosaka

Mode / Remarks : Rx 11a 54Mbps 5240MHz Main

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

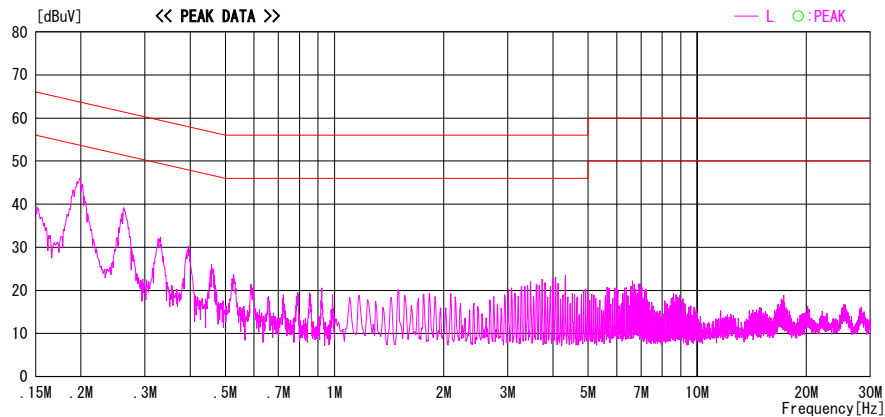
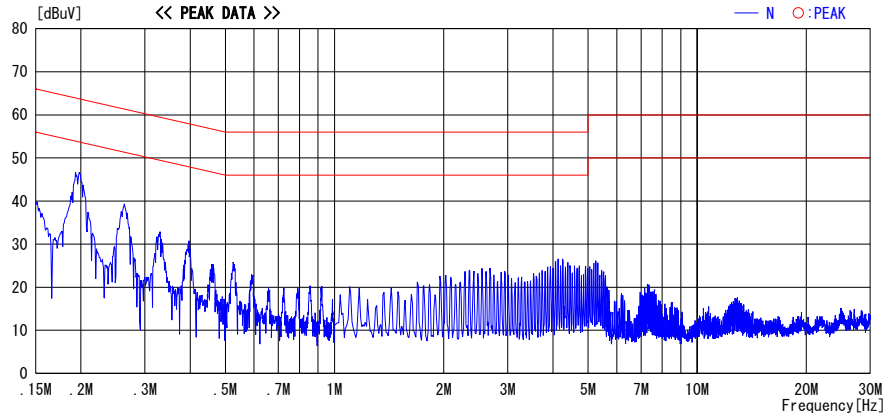


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

UL Apex Co., Ltd.

Head Office EMC Lab.

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MF060b(01.06.05)

26dB Emission Bandwidth
54Mbps Antenna:AUX

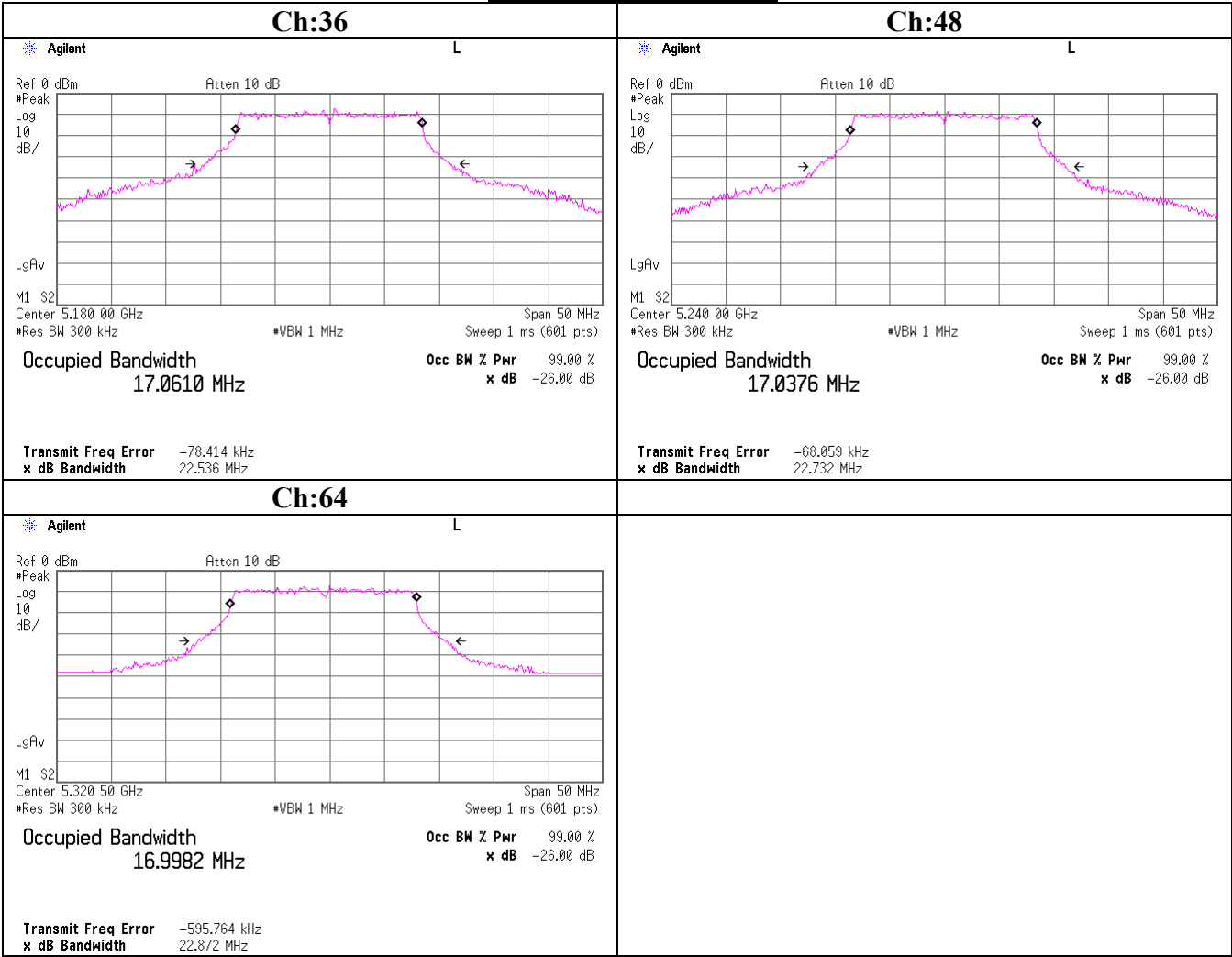
UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Measurement Room

Company	: SONY Corporation	REPORT NO	: 26HE0320-HO
Equipment	: Notebook Personal Computer	REGULATION	: FCC 15.407(a)(1)(2)(3)
Model	: PCG-4H2L	TEST DISTANCE	: -
Sample No.	: XTB2-5	DATE	: 04/11/2006
Power	: AC120V/60Hz	TEMPERATURE	: 24deg.C
Mode	: Tx IEEE 802.11a 54Mbps	HUMIDITY	: 47%
	: Continuous Transmitting	ENGINEER	: Takumi Shimada

Ch	Freq. [MHz]	26dB Bandwidth [MHz]	Limit [MHz]
36	5180.0	22.536	-
48	5240.0	22.732	-
64	5320.0	22.872	-

26dB Emission Bandwidth

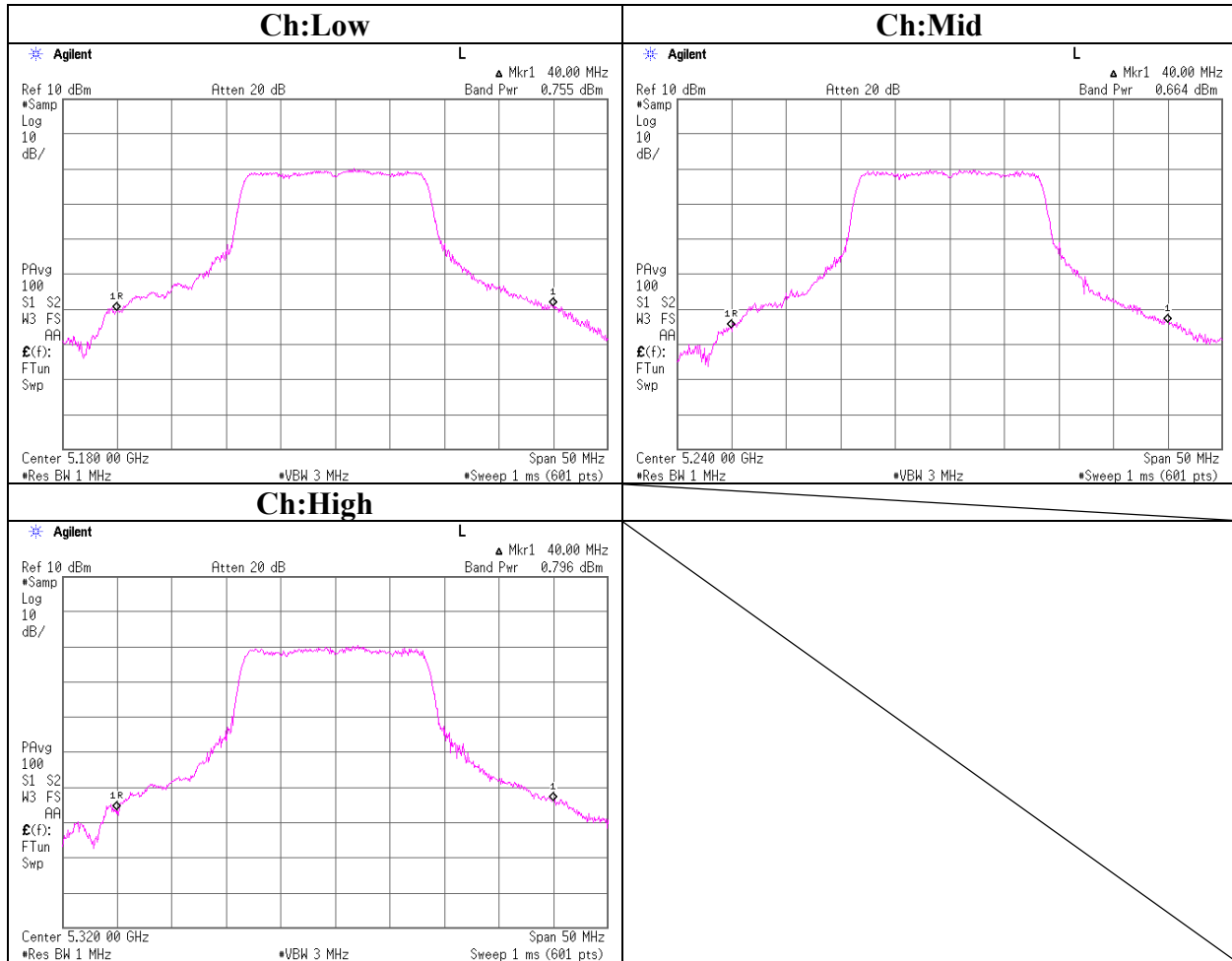
54Mbps Antenna:AUX



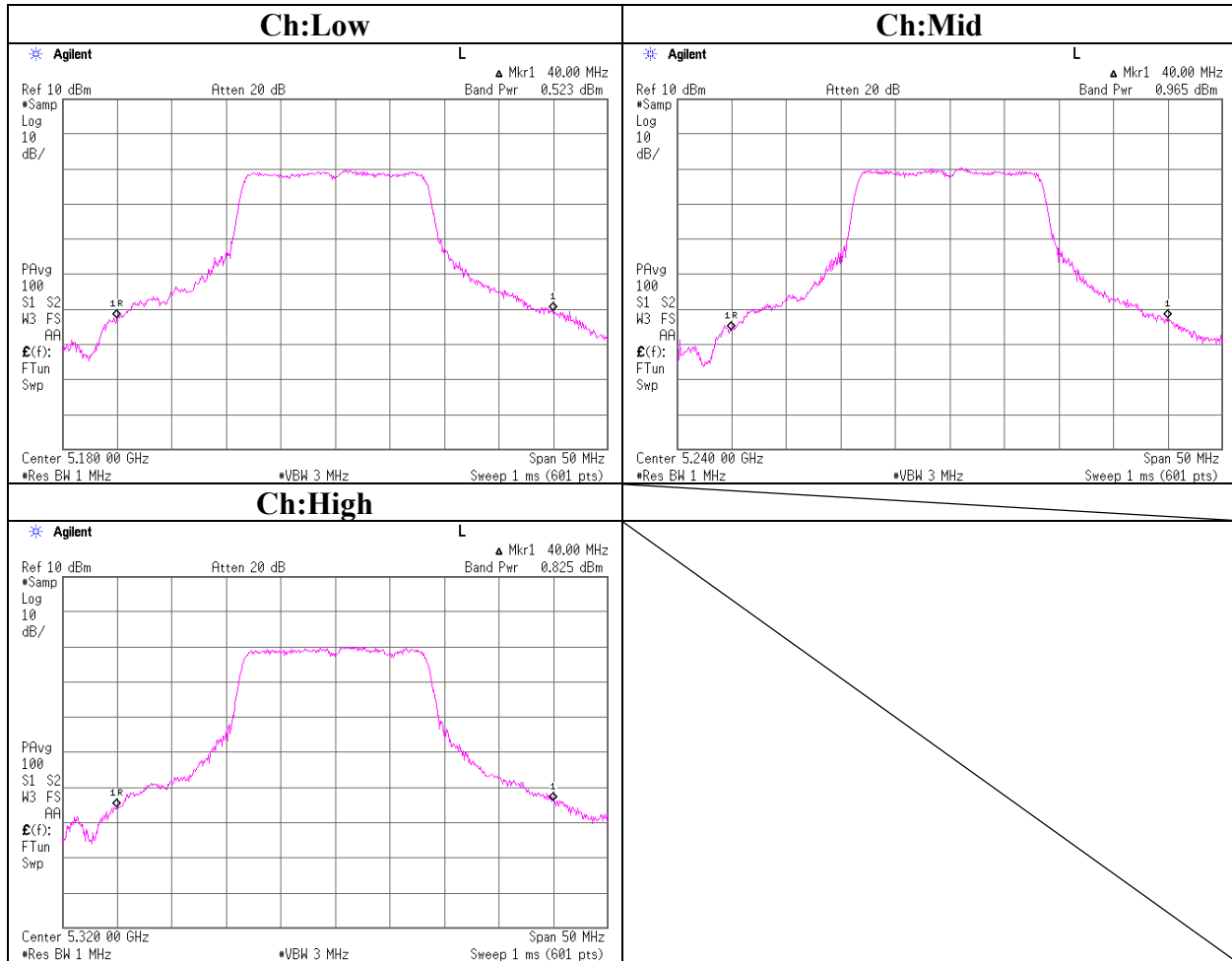
Maximum Conducted Output Power

				UL Apex Co., Ltd.			
				Head Office EMC Lab. No.3 Measurement Room			
Company : SONY Corporation				REPORT NO		: 26HE0320-HO	
Equipment : Notebook Personal Computer				REGULATION		: FCC 15.407(a)(1)(2)(3)	
Model : PCG-4H2L				TEST DISTANCE		: -	
Sample No.: XTB2-5				DATE		: 04/05/2006	
Power : AC120V/60Hz				TEMPERATURE		: 24deg.C	
Mode : Tx IEEE 802.11a 54Mbps				HUMIDITY		: 47%	
: Continuous Transmitting				ENGINEER		: Takumi Shimada	
[IEEE802.11a Low Band : Main Antenna Port (54Mbps)]							
Ch	Freq.	PK Reading	Cable Loss	Atten.	Result	Converted	Limit
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]
36	5180.0	0.76	3.98	10.00	14.74	29.79	50.00
48	5240.0	0.66	3.98	10.00	14.64	29.11	50.00
64	5320.0	0.80	3.98	10.00	14.78	30.06	250.00
[IEEE802.11a Low Band : Aux Antenna Port (54Mbps)]							
Ch	Freq.	PK Reading	Cable Loss	Atten.	Result	Converted	Limit
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]
36	5180.0	0.52	3.98	10.00	14.50	28.18	50.00
48	5240.0	0.97	3.98	10.00	14.95	31.26	50.00
64	5320.0	0.83	3.98	10.00	14.81	30.27	250.00

Maximum Conducted OutPut Power(11a Low band/54Mbps/Main antenna)



Maximum Conducted OutPut Power(11a Low band/54Mbps/AUX antenna)



Maximum Conducted OutPut Power (Reference data for SAR testing)

[IEEE802.11a Low Band : Main Antenna Port (by the data rate)]						
Ch	Modulation (Data rate [bps])	PK Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
48	BPSK (6Mbps)	0.56	3.98	10.00	14.54	28.44
48	BPSK (9Mbps)	0.50	3.98	10.00	14.48	28.05
48	QPSK (12Mbps)	0.51	3.98	10.00	14.49	28.12
48	QPSK (18Mbps)	0.53	3.98	10.00	14.51	28.25
48	16QAM(24Mbps)	0.65	3.98	10.00	14.63	29.04
48	16QAM(36Mbps)	0.63	3.98	10.00	14.61	28.91
48	64QAM(48Mbps)	0.57	3.98	10.00	14.55	28.51
48	64QAM(54Mbps)	0.66	3.98	10.00	14.64	29.11

[IEEE802.11a Low Band : Main Antenna Port (18Mbps) Worst Data rate in the SAR testing]						
Ch	Freq. [MHz]	PK Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
36	5180.0	0.61	3.98	10.00	14.59	28.77
48	5240.0	0.53	3.98	10.00	14.51	28.25
64	5320.0	0.66	3.98	10.00	14.64	29.11

[IEEE802.11a Low Band : Aux Antenna Port (by the data rate)]						
Ch	Modulation (Data rate [bps])	PK Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
48	BPSK (6Mbps)	0.47	3.98	10.00	14.45	27.86
48	BPSK (9Mbps)	0.78	3.98	10.00	14.76	29.92
48	QPSK (12Mbps)	0.32	3.98	10.00	14.30	26.92
48	QPSK (18Mbps)	0.47	3.98	10.00	14.45	27.86
48	16QAM(24Mbps)	0.88	3.98	10.00	14.86	30.62
48	16QAM(36Mbps)	0.75	3.98	10.00	14.73	29.72
48	64QAM(48Mbps)	0.33	3.98	10.00	14.31	26.98
48	64QAM(54Mbps)	0.97	3.98	10.00	14.95	31.26

[IEEE802.11a Low Band : Aux Antenna Port (24Mbps) Worst Data rate in the SAR testing]						
Ch	Freq. [MHz]	PK Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Converted [mW]
36	5180.0	0.64	3.98	10.00	14.62	28.97
48	5240.0	0.88	3.98	10.00	14.86	30.62
64	5320.0	0.79	3.98	10.00	14.77	29.99

Radiated Spurious Emission (below 1GHz)

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/04/07 21:58:18

Company : Sony Corporation Report No. : 26HE0320-HO
Kind of EUT : Personal Computer Power : AC120V/60Hz (AC Adapter DC16V)
Model No. : PCG-4H2L Temp./Humi. : 26deg. C. / 27%
Serial No. : XTA1-17 Operator : Makoto Kosaka

Mode / Remarks : Tx 11a 54Mbps 5180/5240/5320MHz & Rx Mid AntPort Main Hor(Z-axis) Ver(Y-axis)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen
Except for the data below : adequate margin data below the limits.

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]							
120.000	28.2	QP	13.5	-23.7	18.0	274	150	Hori.	43.5	25.5	Tx 11a 5180
120.000	30.5	QP	13.5	-23.7	20.3	108	100	Vert.	43.5	23.2	Tx 11a 5180
144.000	33.4	QP	15.2	-23.5	25.1	205	238	Hori.	43.5	18.4	Tx 11a 5180
144.000	33.3	QP	15.2	-23.5	25.0	82	100	Vert.	43.5	18.5	Tx 11a 5180
225.000	39.3	QP	17.6	-22.8	34.1	90	139	Hori.	46.0	11.9	Tx 11a 5180
225.000	28.9	QP	17.6	-22.8	23.7	345	198	Vert.	46.0	22.3	Tx 11a 5180
240.000	39.9	QP	17.8	-22.7	35.0	94	133	Hori.	46.0	11.0	Tx 11a 5180
240.000	29.7	QP	17.8	-22.7	24.8	124	178	Vert.	46.0	21.2	Tx 11a 5180
240.000	39.9	QP	17.8	-22.7	35.0	94	133	Hori.	46.0	11.0	Tx 11a 5240
240.000	39.8	QP	17.8	-22.7	34.9	94	133	Hori.	46.0	11.1	Tx 11a 5320
240.000	40.5	QP	17.8	-22.7	35.6	94	133	Hori.	46.0	10.4	Rx 11a 5240
365.000	30.5	QP	16.8	-21.9	25.4	146	118	Vert.	46.0	20.6	Tx 11a 5180
365.000	37.0	QP	16.8	-21.9	31.9	141	100	Hori.	46.0	14.1	Tx 11a 5180
528.000	34.0	QP	19.0	-21.0	32.0	177	139	Hori.	46.0	14.0	Tx 11a 5180
528.000	35.2	QP	19.0	-21.0	33.2	145	100	Vert.	46.0	12.8	Tx 11a 5180
528.000	36.0	QP	19.0	-21.0	34.0	145	100	Vert.	46.0	12.0	Tx 11a 5240
528.000	36.0	QP	19.0	-21.0	34.0	145	100	Vert.	46.0	12.0	Tx 11a 5320
528.000	35.8	QP	19.0	-21.0	33.8	145	100	Vert.	46.0	12.2	Rx 11a 5240
677.237	32.3	QP	20.1	-20.4	32.0	176	147	Vert.	46.0	14.0	Tx 11a 5180
677.237	33.4	QP	20.1	-20.4	33.1	192	100	Hori.	46.0	12.9	Tx 11a 5180
900.891	30.5	QP	21.5	-18.3	33.7	204	155	Hori.	46.0	12.3	Tx 11a 5180
900.891	33.7	QP	21.5	-18.3	36.9	113	121	Vert.	46.0	9.1	Tx 11a 5180
900.891	34.2	QP	21.5	-18.3	37.4	111	115	Vert.	46.0	8.6	Tx 11a 5240
900.891	34.0	QP	21.5	-18.3	37.2	110	115	Vert.	46.0	8.8	Tx 11a 5320
900.891	33.8	QP	21.5	-18.3	37.0	111	115	Vert.	46.0	9.0	Rx 11a 5240

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)

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/04/07 21:58:18

Company : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCG-4H2L
Serial No. : XTA1-17

Report No. : 26HE0320-HO
Power : AC120V/60Hz (AC Adapter DC16V)
Temp./Humi. : 26deg. C. / 27%
Operator : Makoto Kosaka

Mode / Remarks : Tx 11a 54Mbps 5180MHz AntPort Main

Hor (Z-axis) Ver (Y-axis)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen
Except for the data below : adequate margin data below the limits.

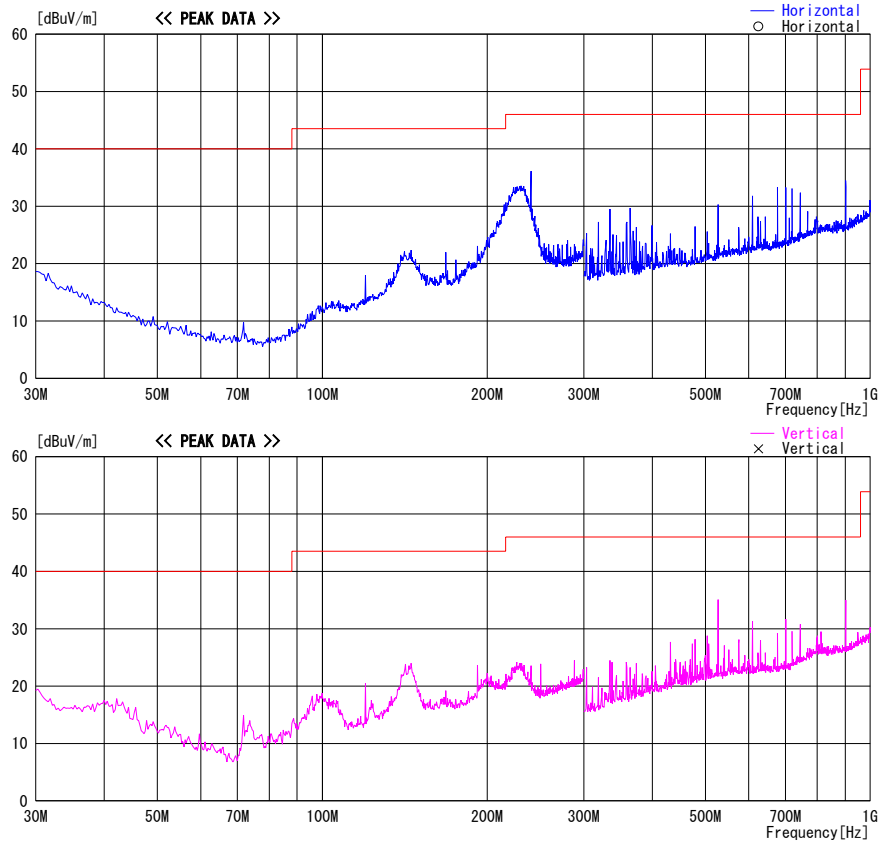


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/04/07 22:34:15

Company : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCG-4H2L
Serial No. : XTA1-17

Report No. : 26HE0320-HO
Power : AC120V/60Hz (AC Adapter DC16V)
Temp./Humi. : 26deg. C. / 27%
Operator : Makoto Kosaka

Mode / Remarks : Tx 11a 54Mbps 5240MHz AntPort Main

Hor (Z-axis) Ver (Y-axis)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen

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

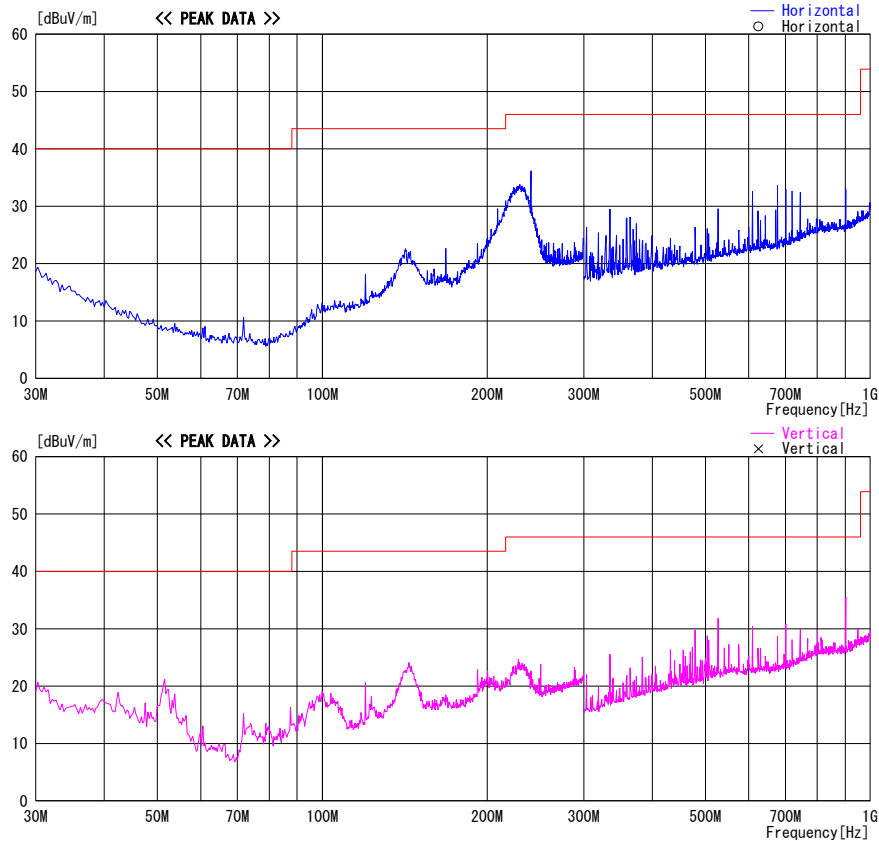


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

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MF060b(01.06.05)

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/04/07 22:47:31

Company : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCG-4H2L
Serial No. : XTA1-17

Report No. : 26HE0320-HO
Power : AC120V/60Hz (AC Adapter DC16V)
Temp./Humi. : 26deg. C. / 27%
Operator : Makoto Kosaka

Mode / Remarks : Tx 11a 54Mbps 5320MHz AntPort Main

Hor (Z-axis) Ver (Y-axis)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen

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

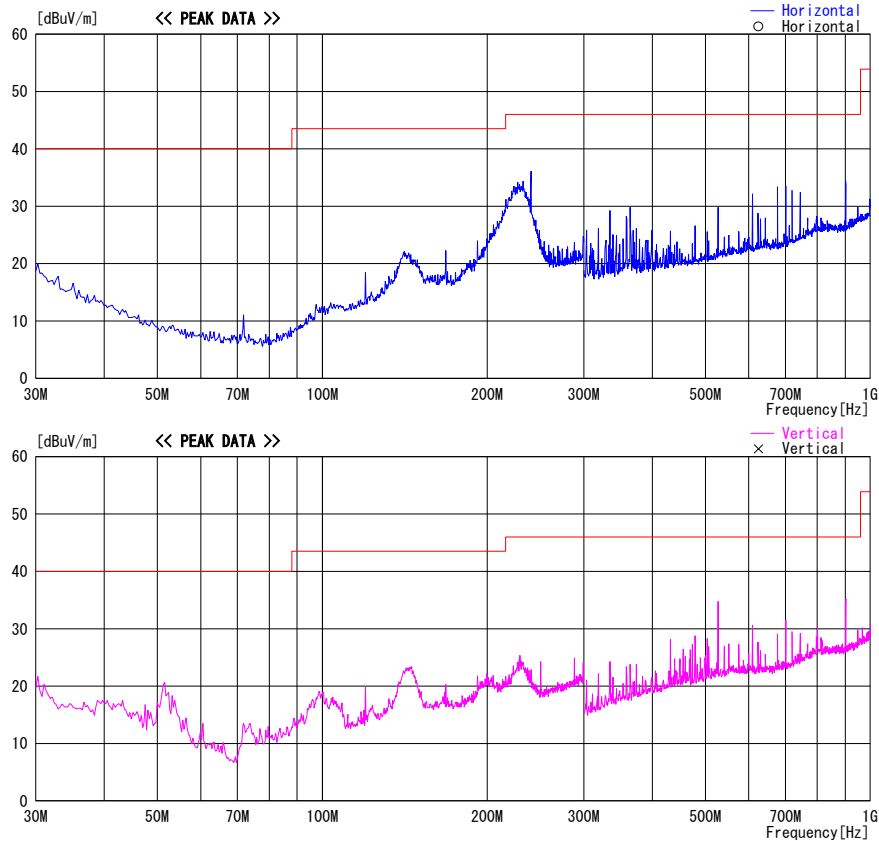


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

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MF060b(01.06.05)

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2006/04/07 21:46:59

Company : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCG-4H2L
Serial No. : XTA1-17

Report No. : 26HE0320-HO
Power : AC120V/60Hz (AC Adapter DC16V)
Temp./Humi. : 26deg. C. / 27%
Operator : Makoto Kosaka

Mode / Remarks : Rx 11a 54Mbps 5240MHz AntPort Main Hor (Z-axis) Ver (Y-axis)

LIMIT : FCC15C §15.209, 3m, below1GHz / RSS-210 / RSS-Gen
Except for the data below : adequate margin data below the limits.

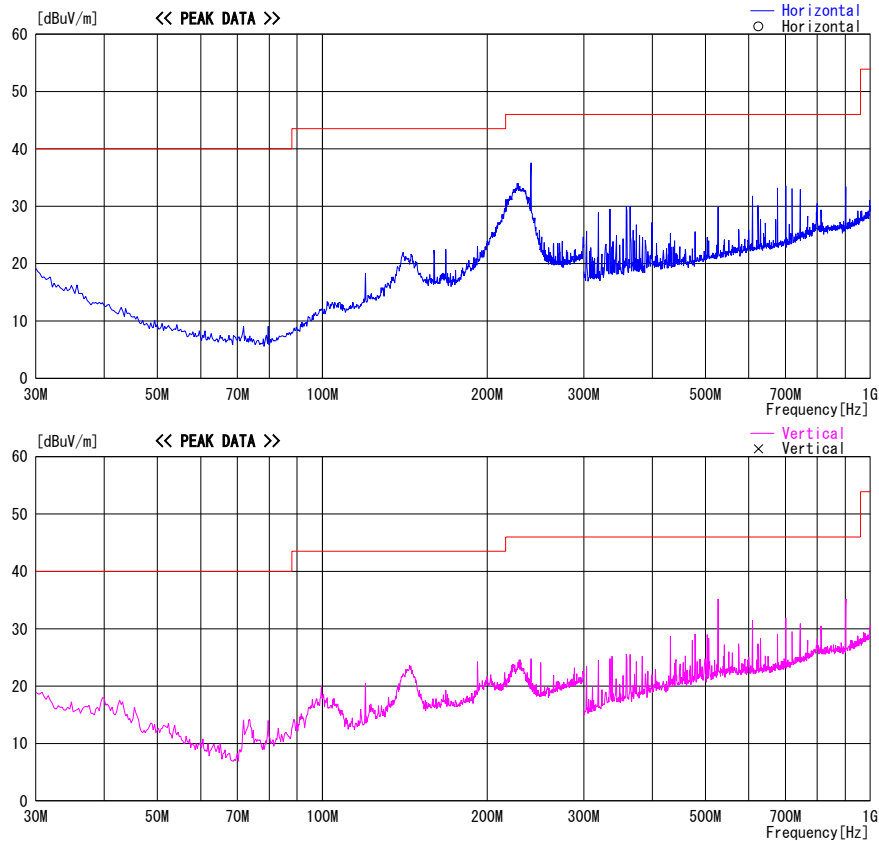


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3Semi Anechoic Chamber

Company : Sony Corporation	REPORT NO : 26HE0320-HO
Equipment : Personal Computer	REGULATION : Fcc Part15 Subpart E 15.407
Model : PCG-4H2L	TEST DISTANCE : 3 / 1 / 0.3 m
Sample No. : XTA1-17	DATE : 04/07/2006 , 04/10/2006
Power : AC120V/60Hz(AC Adapter DC out 16V)	TEMPERATURE : 24deg.C , 22deg.C
Mode : WLAN 11a 54Mbps 5180MHz(Main)	HUMIDITY : 31% , 44%
Remarks : Hor Z , Ver Z-axis	ENGINEER : Makoto Kosaka

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass or ATT [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1596.4	54.8	49.8	25.9	33.8	3.5	0.0	50.4	45.4	74.0	23.6	28.6
2	5150.0	51.4	45.5	35.9	31.6	6.0	0.0	61.7	55.8	74.0	12.3	18.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
3	15540.0	NS	NS	41.1	32.3	11.5	0.8	-	-	74.0	-	-
4	20720.0	NS	NS	45.9	32.1	12.7	1.2	-	-	74.0	-	-
5	25900.0	NS	NS	39.5	31.8	14.8	0.0	-	-	74.0	-	-
Test distance 0.3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
6	31080.0	NS	NS	39.8	32.3	15.8	0.0	-	-	74.0	-	-
7	36260.0	NS	NS	39.8	31.4	17.1	0.0	-	-	74.0	-	-

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

No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Hi-Pass or ATT	RESULT		Limit AV	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1596.4	38.0	35.1	25.9	33.8	3.5	0.0	33.6	30.7	54.0	20.4	23.3
2	5150.0	32.9	30.3	35.9	31.6	6.0	0.0	43.2	40.6	54.0	10.8	13.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
3	15540.0	NS	NS	41.1	32.3	11.5	0.8	-	-	54.0	-	-
4	20720.0	NS	NS	45.9	32.1	12.7	1.2	-	-	54.0	-	-
5	25900.0	NS	NS	39.5	31.8	14.8	0.0	-	-	54.0	-	-
Test distance 0.3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
6	31080.0	NS	NS	39.8	32.3	15.8	0.0	-	-	54.0	-	-
7	36260.0	NS	NS	39.8	31.4	17.1	0.0	-	-	54.0	-	-

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 Filter was not used for factor 0.0dB of the above table.

*NS: Non Signal

*Used Equipment: MHA-05,MHA-04,MHA-02,MCC-53(Long+Short),MBF-03,MPA-01,MPA-03,MSA-03,MRENT-23,MOS-13

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MF060b(01.06.05)

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3Semi Anechoic Chamber

Company : Sony Corporation	REPORT NO : 26HE0320-HO
Equipment : Personal Computer	REGULATION : Fcc Part15 Subpart E 15.407
Model : PCG-4H2L	TEST DISTANCE : 3 / 1 / 0.3 m
Sample No. : XTA1-17	DATE : 04/07/2006 , 04/10/2006
Power : AC120V/60Hz(AC Adapter DC out 16V)	TEMPERATURE : 24deg.C , 22deg.C
Mode : WLAN 11a 54Mbps 5240MHz(Main)	HUMIDITY : 31% , 44%
Remarks : Hor Z , Ver Z-axis	ENGINEER : Makoto Kosaka

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass or ATT [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1596.0	53.5	53.9	25.9	33.8	3.5	0.0	49.1	49.5	74.0	24.9	24.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
2	15720.0	NS	NS	41.7	32.3	11.6	0.8	-	-	74.0	-	-
3	20960.0	NS	NS	45.9	32.1	12.7	1.2	-	-	74.0	-	-
4	26200.0	NS	NS	39.5	31.8	14.9	0.0	-	-	74.0	-	-
Test distance 0.3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
5	31440.0	NS	NS	39.8	32.3	15.8	0.0	-	-	74.0	-	-
6	36680.0	NS	NS	39.8	31.4	17.3	0.0	-	-	74.0	-	-

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass or ATT [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1596.0	33.2	32.5	25.9	33.8	3.5	0.0	28.8	28.1	54.0	25.2	25.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
2	15720.0	NS	NS	41.7	32.3	11.6	0.8	-	-	54.0	-	-
3	20960.0	NS	NS	45.9	32.1	12.7	1.2	-	-	54.0	-	-
4	26200.0	NS	NS	39.5	31.8	14.9	0.0	-	-	54.0	-	-
Test distance 0.3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
5	31440.0	NS	NS	39.8	32.3	15.8	0.0	-	-	54.0	-	-
6	36680.0	NS	NS	39.8	31.4	17.3	0.0	-	-	54.0	-	-

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 Filter was not used for factor 0.0dB of the above table.

*NS: Non Signal

*Used Equipment: MHA-05,MHA-04,MHA-02,MCC-53(Long+Short),MBF-03,MPA-01,MPA-03,MSA-03,MRENT-23,MOS-13

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MF060b(01.06.05)

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3Semi Anechoic Chamber

Company : Sony Corporation Equipment : Personal Computer Model : PCG-4H2L Sample No. : XTA1-17 Power : AC120V/60Hz(AC Adapter DC out 16V) Mode : WLAN 11a 54Mbps 5320MHz(Main) Remarks : Hor Z , Ver Z-axis	REPORT NO : 26HE0320-HO REGULATION : Fcc Part15 Subpart E 15.407 TEST DISTANCE : 3 / 1 / 0.3 m DATE : 04/07/2006 , 04/10/2006 TEMPERATURE : 24deg.C , 22deg.C HUMIDITY : 31% , 44% ENGINEER : Makoto Kosaka
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PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass or ATT	RESULT		Limit PK	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1598.7	54.3	49.1	25.9	33.8	3.5	0.0	49.9	44.7	74.0	24.1	29.3
2	5350.0	41.3	43.9	35.8	31.7	6.1	0.0	51.5	54.1	74.0	-	-
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
3	10640.0	47.9	46.6	36.4	33.2	9.0	0.9	51.5	50.2	74.0	22.5	23.8
4	15960.0	NS	NS	42.5	32.3	11.7	0.8	-	-	74.0	-	-
5	21280.0	NS	NS	45.9	32.1	12.8	1.2	-	-	74.0	-	-
Test distance 0.3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
6	26600.0	NS	NS	39.5	31.8	15.2	0.0	-	-	74.0	-	-
7	31920.0	NS	NS	39.8	32.3	15.9	0.0	-	-	74.0	-	-
8	37240.0	NS	NS	39.8	31.4	17.5	0.0	-	-	74.0	-	-

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass or ATT [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1598.7	38.0	35.1	25.9	33.8	3.5	0.0	33.6	30.7	54.0	20.4	23.3
2	5350.0	33.5	31.8	35.8	31.7	6.1	0.0	43.7	42.0	54.0	10.3	12.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
3	10640.0	32.1	31.4	36.4	33.2	9.0	0.9	35.7	35.0	54.0	18.3	19.0
4	15960.0	NS	NS	42.5	32.3	11.7	0.8	-	-	54.0	-	-
5	21280.0	NS	NS	45.9	32.1	12.8	1.2	-	-	54.0	-	-
Test distance 0.3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
6	26600.0	NS	NS	39.5	31.8	15.2	0.0	-	-	54.0	-	-
7	31920.0	NS	NS	39.8	32.3	15.9	0.0	-	-	54.0	-	-
8	37240.0	NS	NS	39.8	31.4	17.5	0.0	-	-	54.0	-	-

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 Filter was not used for factor 0.0dB of the above table.

*NS: Non Signal

*Used Equipment: MHA-05,MHA-04,MHA-02,MCC-53(Long+Short),MBF-03,MPA-01,MPA-03,MSA-03,MRENT-23,MOS-13

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MF060b(01.06.05)

Radiated Spurious Emission (above 1GHz:Outside of the restricted band)
***used conversion formula**

UL Apex Co., Ltd.
Head Office EMC Lab. No.3Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCG-4H2L
Sample No. : XTA1-17
Power : AC120V/60Hz(AC Adapter DC out 16V)
Mode : WLAN 11a 54Mbps 5180MHz(Main)
Remarks : Hor Z , Ver Z-axis

REPORT NO : 26HE0320-HO
REGULATION : Fcc Part15 Subpart E 15.407(b)(1)(2)
TEST DISTANCE : 3 m
DATE : 04/07/2006
TEMPERATURE : 24deg.C
HUMIDITY : 31%
ENGINEER : Makoto Kosaka

No.	Freq. [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	HOR	VER		HOR	VER
1	5150.00	61.7	55.8	-33.5	-39.4	-27.0	6.5	12.4

Result(EIRP[dBm])=10*LOG({ (Electric Field Strength [V/m] * Distance:3[m]) ^ 2 } / 30)

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

*Result is calculated to two places of decimals. Therefore, there may be 0.1 difference for the result.

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCG-4H2L
Sample No. : XTA1-17
Power : AC120V/60Hz(AC Adapter DC out 16V)
Mode : WLAN 11a 54Mbps 5320MHz(Main)
Remarks : Hor Z , Ver Z-axis

REPORT NO : 26HE0320-HO
REGULATION : Fcc Part15 Subpart E 15.407
TEST DISTANCE : 3 m
DATE : 04/07/2006
TEMPERATURE : 24deg.C
HUMIDITY : 31%
ENGINEER : Makoto Kosaka

No.	Freq. [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		Result (EIRP) [dBm]		Lmit [dBm]	Margin [dB]	
		HOR	VER	HOR	VER		HOR	VER
1	5350.00	51.5	54.1	-43.7	-41.1	-27.0	16.7	14.1

Result(EIRP[dBm])=10*LOG({ (Electric Field Strength [V/m] * Distance:3[m]) ^ 2 } / 30)

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

*Result is calculated to two places of decimals. Therefore, there may be 0.1 difference for the result.

**The test was applied to 15.407 (b)(2); the EUT meets all the applicable technical requirements for operation in the 5.15 – 5.25 GHz band.*

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3Semi Anechoic Chamber

Company	: Sony Corporation	REPORT NO	: 26HE0320-HO
Equipment	: Personal Computer	REGULATION	: FCC Part15 Subpart E 15.407(b)
Model	: PCG-4H2L	TEST DISTANCE	: 3/1m
Sample No.	: XTA1-17	DATE	: 04/07/2006
Power	: AC120V/60Hz(AC Adapter DC out 16V)	TEMPERATURE	: 24deg.C
Mode	: Rx WLAN 11a 54Mbps 5240MHz	HUMIDITY	: 31%
Remarks	: Hor Z , Ver Z-axis	ENGINEER	: Makoto Kosaka

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass or ATT [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1593.6	53.7	51.4	25.8	33.8	3.5	0.0	49.2	46.9	74.0	24.8	27.1

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass or ATT [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1593.6	32.9	31.0	25.8	33.8	3.5	0.0	28.4	26.5	54.0	25.6	27.5

*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.

*NS: Non Signal

*Used Equipment: MHA-05,MCC-56(Long+Short),MPA-11,MSA-04,MOS-13

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MF060b(01.06.05)

Radiated Spurious Emission (above 1GHz:Inside of the restricted band)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3Semi Anechoic Chamber

Company : Sony Corporation Equipment : Personal Computer Model : PCG-4H2L Sample No. : XTA1-17 Power : AC120V/60Hz(AC Adapter DC out 16V) Mode : WLAN 11a 54Mbps 5180MHz(Main) + BT Hopping Remarks : Hor Z , Ver Z-axis	REPORT NO : 26HE0320-HO REGULATION : Fcc Part15 Subpart E 15.407 TEST DISTANCE : 3 / 1 / 0.3 m DATE : 04/07/2006 , 04/10/2006 TEMPERATURE : 24deg.C , 22deg.C HUMIDITY : 31% , 44% ENGINEER : Makoto Kosaka
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PK DETECT (RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass or ATT [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1596.4	55.8	54.8	25.9	33.8	3.5	0.0	51.4	50.4	74.0	22.6	23.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
3	10360.0	54.5	54.2	36.3	36.3	8.9	0.9	54.8	54.5	74.0	19.2	19.5
4	15540.0	NS	NS	41.1	32.3	11.5	0.8	-	-	74.0	-	-
5	20720.0	NS	NS	45.9	32.1	12.7	1.2	-	-	74.0	-	-
6	25900.0	NS	NS	39.5	31.8	14.8	0.0	-	-	74.0	-	-
Test distance 0.3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
7	31080.0	NS	NS	39.8	32.3	15.8	0.0	-	-	74.0	-	-
8	36260.0	NS	NS	39.8	31.4	17.1	0.0	-	-	74.0	-	-

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass or ATT [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1596.4	34.8	34.7	25.9	33.8	3.5	0.0	30.4	30.3	54.0	23.6	23.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
3	10360.0	38.0	38.0	36.3	36.3	8.9	0.9	38.3	38.3	54.0	15.7	15.7
4	15540.0	NS	NS	41.1	32.3	11.5	0.8	-	-	54.0	-	-
5	20720.0	NS	NS	45.9	32.1	12.7	1.2	-	-	54.0	-	-
6	25900.0	NS	NS	39.5	31.8	14.8	0.0	-	-	54.0	-	-
Test distance 0.3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
7	31080.0	NS	NS	39.8	32.3	15.8	0.0	-	-	54.0	-	-
8	36260.0	NS	NS	39.8	31.4	17.1	0.0	-	-	54.0	-	-

* Reference data

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.

*NS: Non Signal

*Used Equipment: MHA-05,MHA-04,MHA-02,MCC-53(Long+Short),MBF-03,MPA-11,MPA-03,MSA-03,MRENT-23,MOS-13

UL Apex Co., Ltd.

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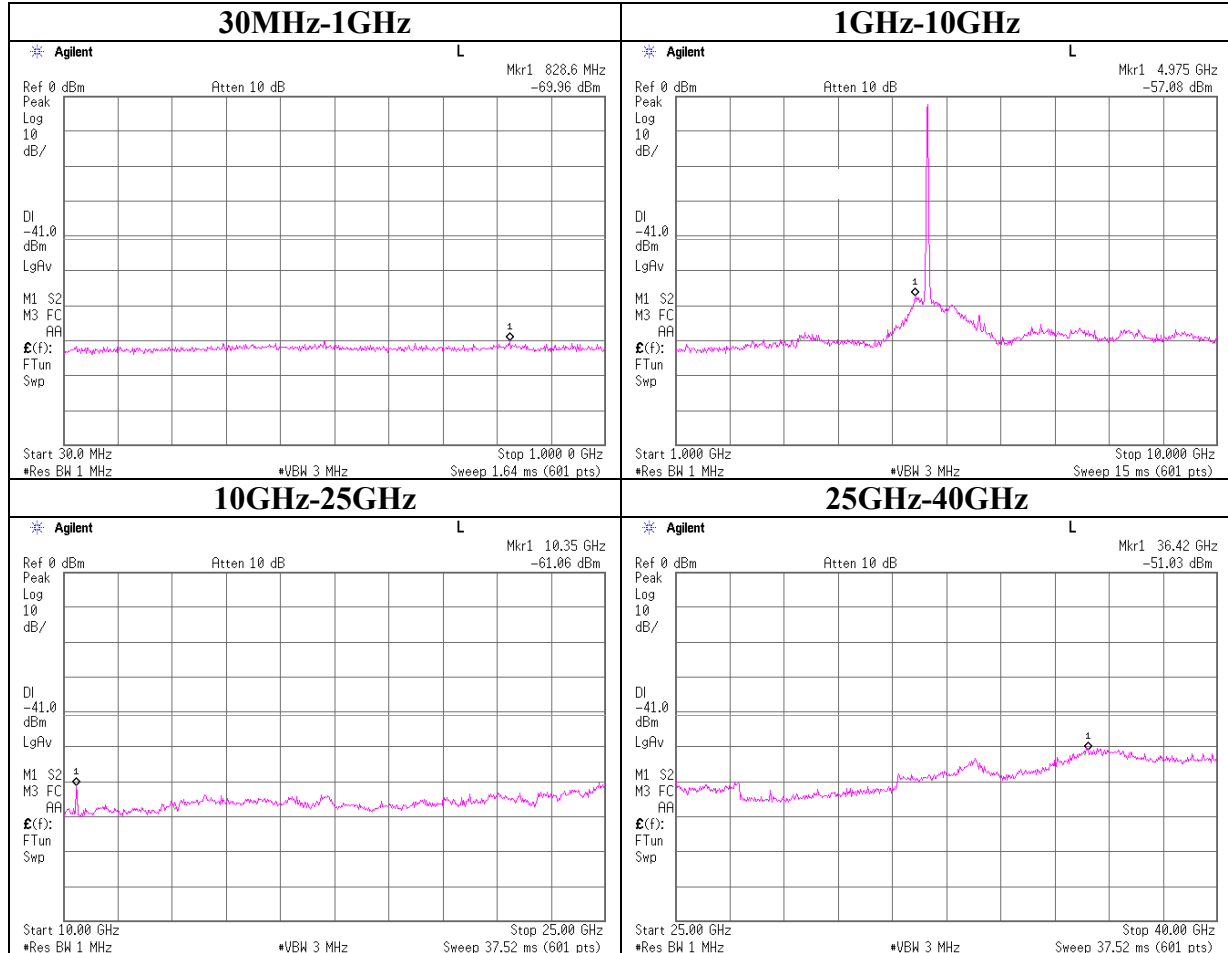
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

MF060b(01.06.05)

Conducted Spurious Emission
54Mbps Antenna:AUX

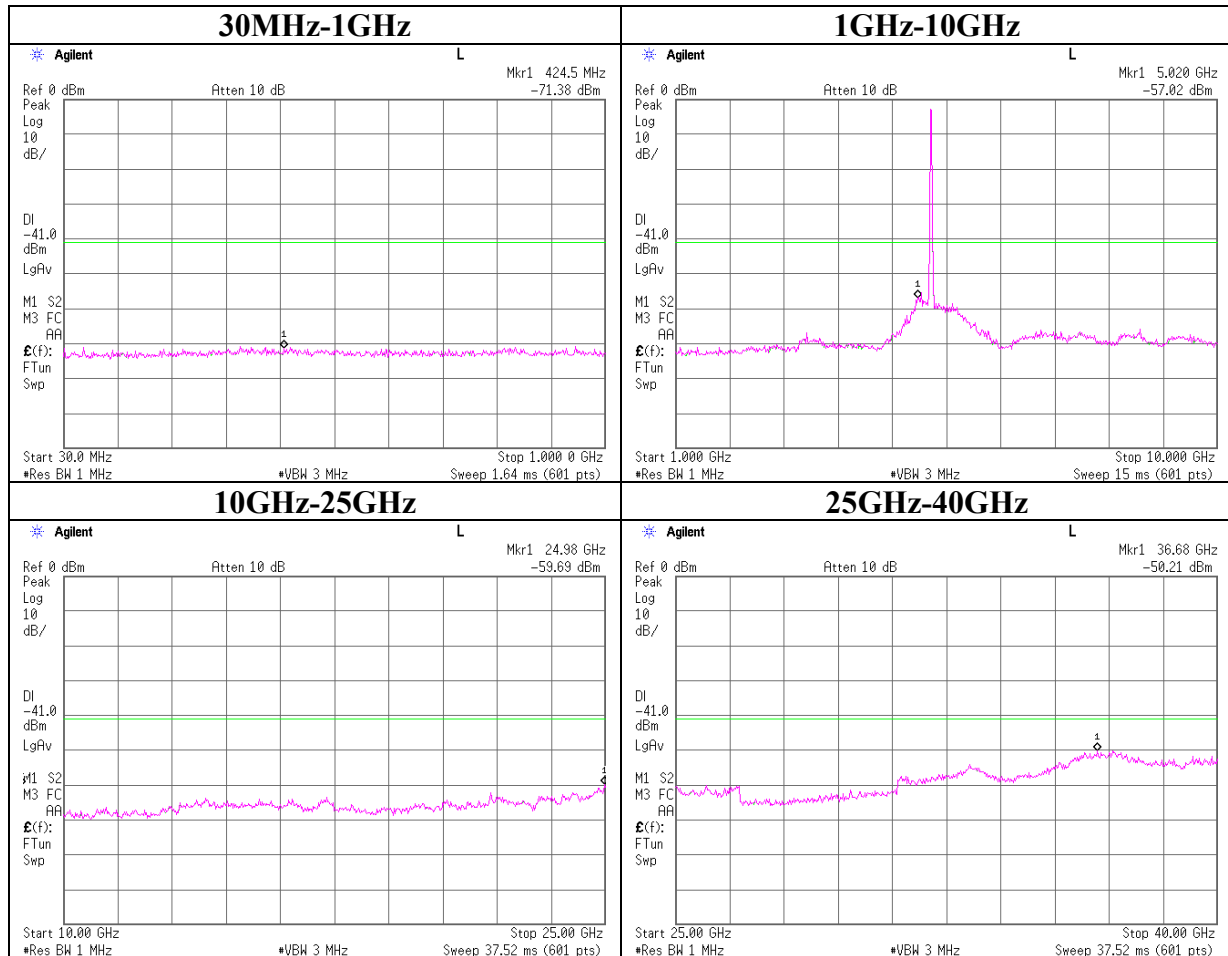
Ch : 36



Conducted Spurious Emission

54Mbps Antenna:AUX

Ch : 48



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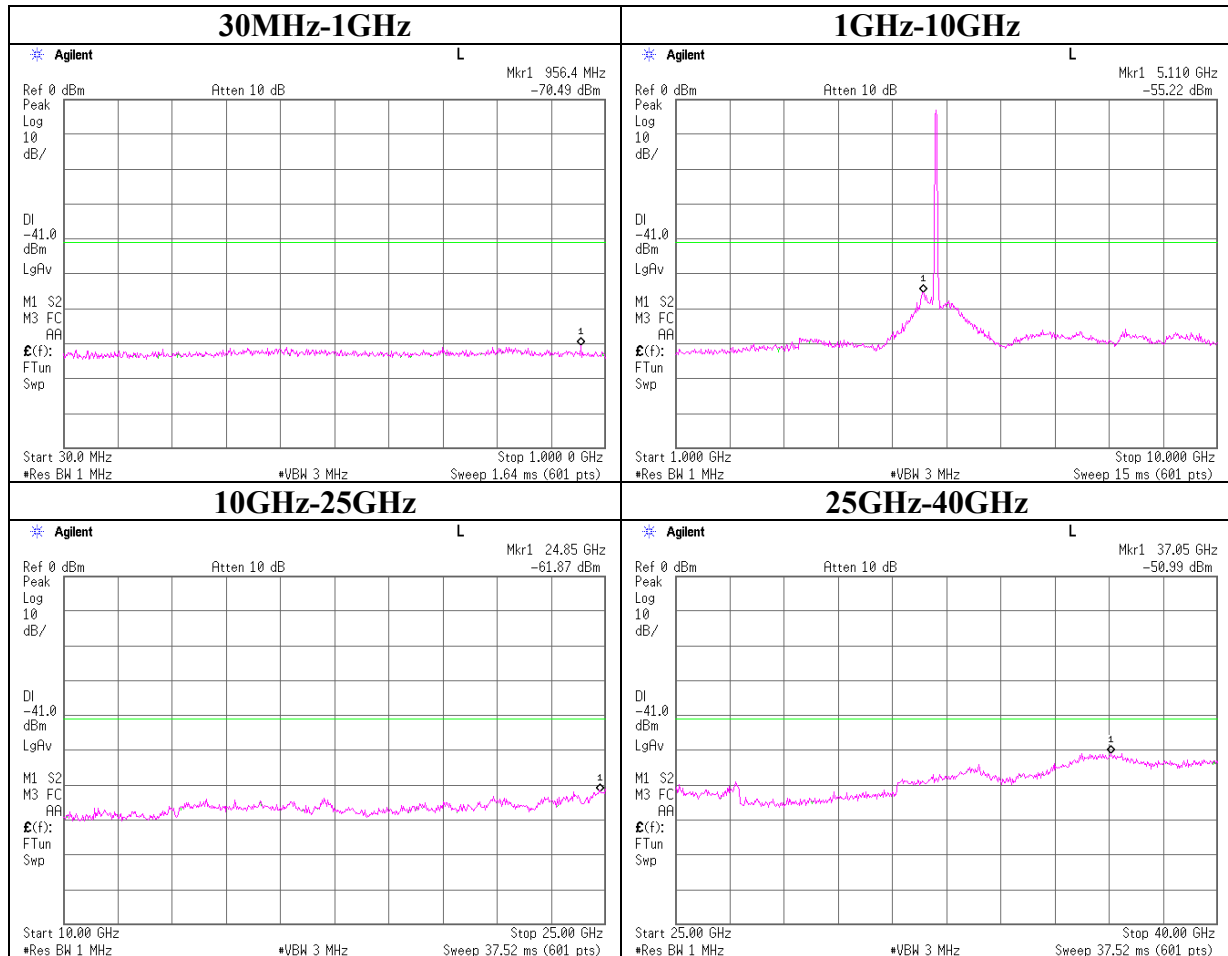
Facsimile : +81 596 24 8124

MF060b(01.06.05)

Conducted Spurious Emission

54Mbps Antenna:AUX

Ch : 64



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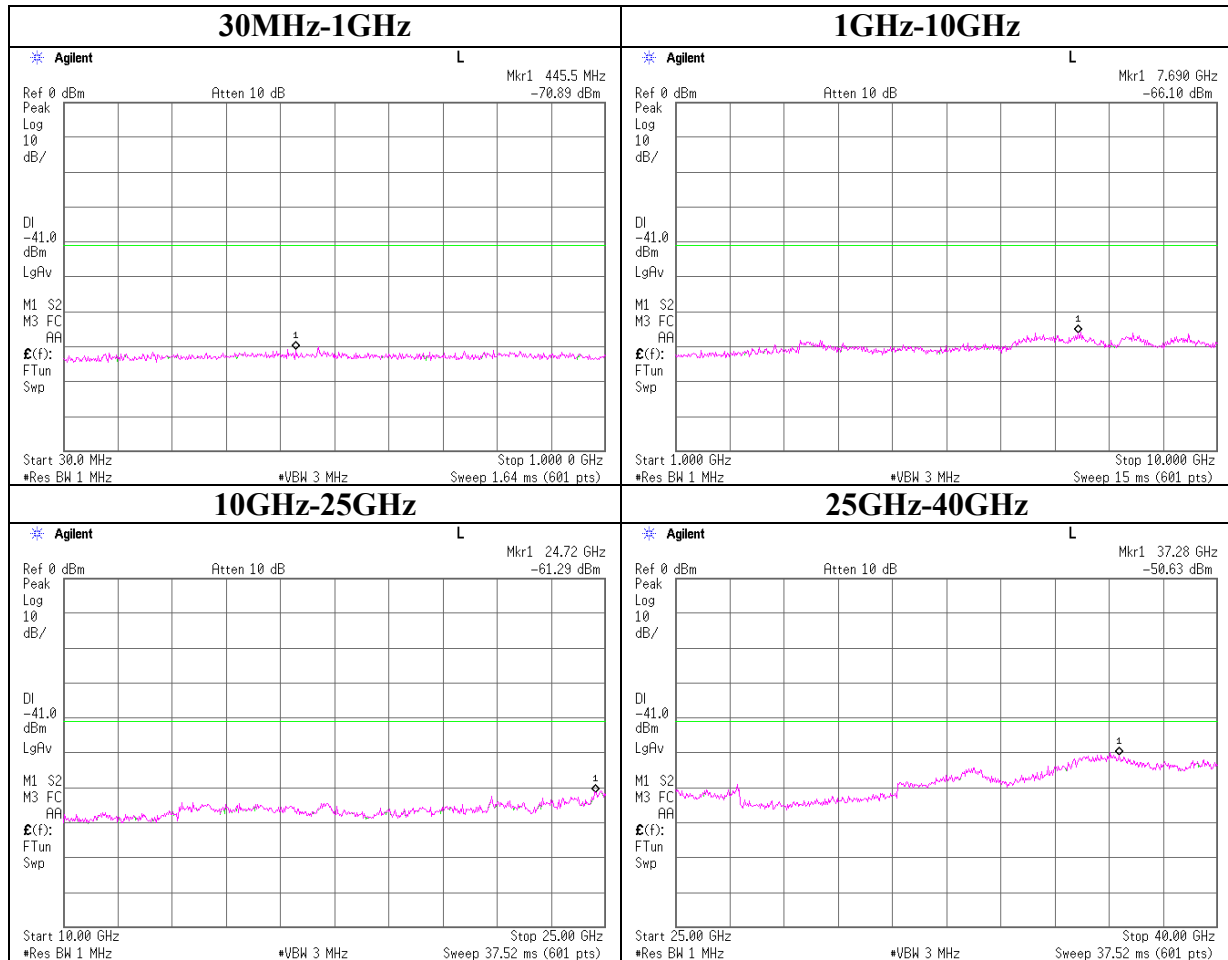
Facsimile : +81 596 24 8124

MF060b(01.06.05)

Conducted Spurious Emission

54Mbps Antenna:AUX

Rx



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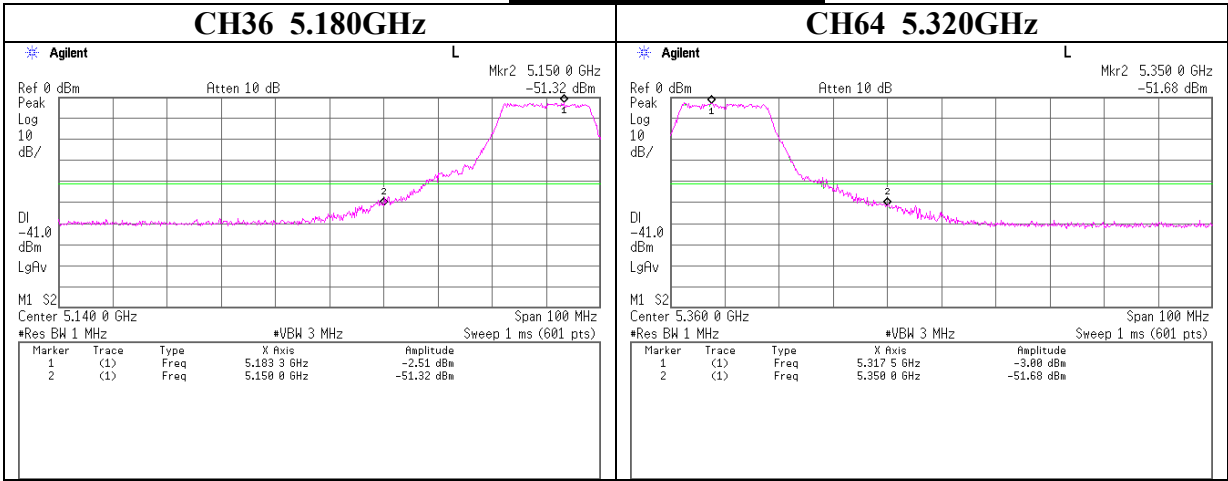
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

MF060b(01.06.05)

Conducted emission Band Edge compliance

54Mbps Antenna:AUX



Peak Power Spectral Density

UL Apex Co., Ltd.
Head Office EMC Lab. No.7 Measurement Room

Company	: SONY Corporation	REPORT NO	: 26HE0320-HO
Equipment	: Notebook Personal Computer	REGULATION	: FCC 15.407(a)(1)(2)(3)
Model	: PCG-4H2L	TEST DISTANCE	: -
Sample No.	: XTB2-5	DATE	: 04/11/2006
Power	: AC120V/60Hz	TEMPERATURE	: 24deg.C
Mode	: Tx IEEE 802.11a 54Mbps	HUMIDITY	: 47%
	: Continuous Transmitting	ENGINEER	: Takumi Shimada

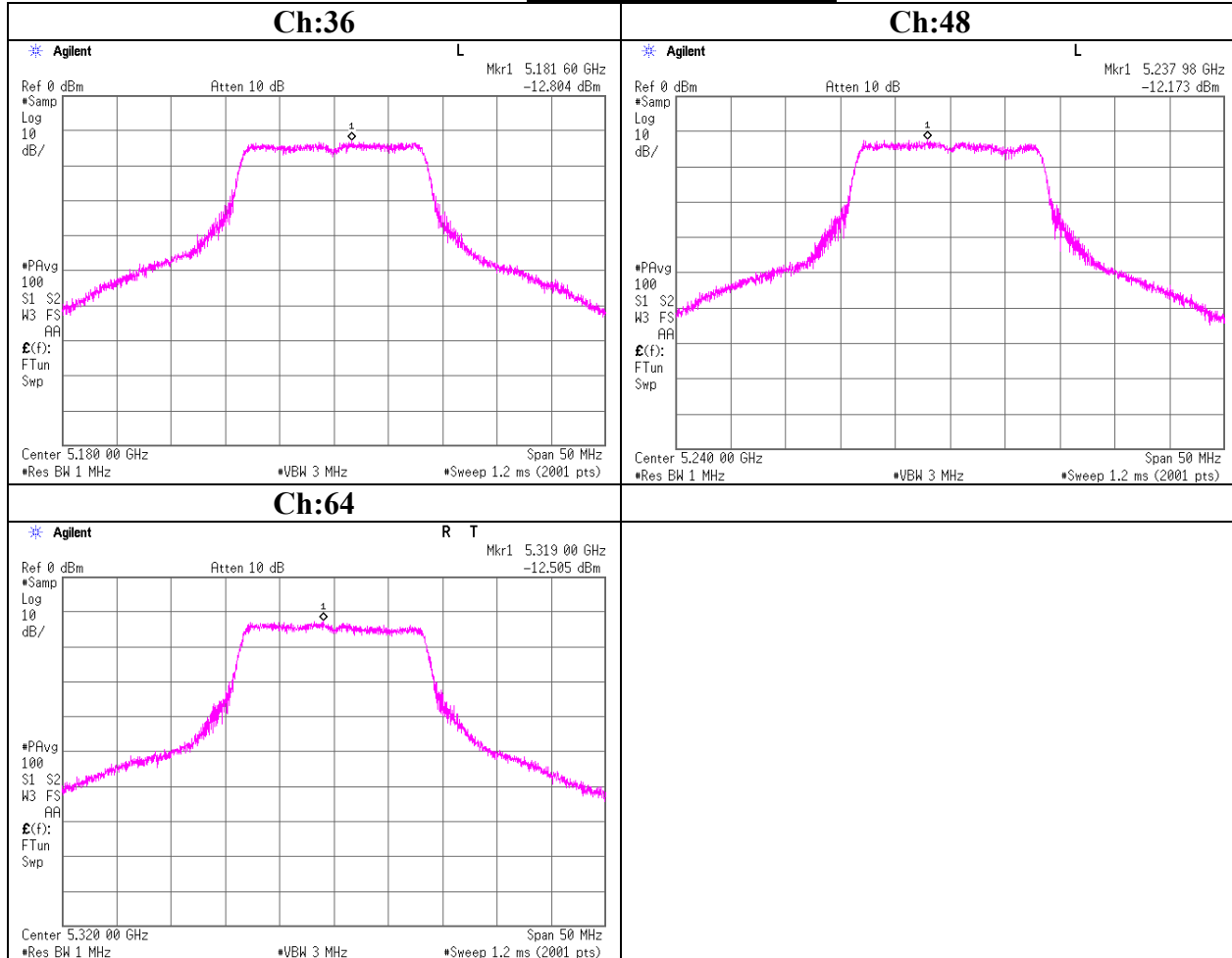
Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
36	5180.0	-12.80	4.0	10.00	1.2	4.0	2.8
48	5240.0	-12.17	4.0	10.00	1.8	4.0	2.2
64	5320.0	-12.51	4.0	10.00	1.5	11.0	9.5

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

* Atten. was not used for factor 0.0dB of the above table.

Peak Power Spectral Density
54Mbps Antenna:AUX



Peak Excursion Ratio

UL Apex Co., Ltd.
Head Office EMC Lab. No.7 Measurement Room

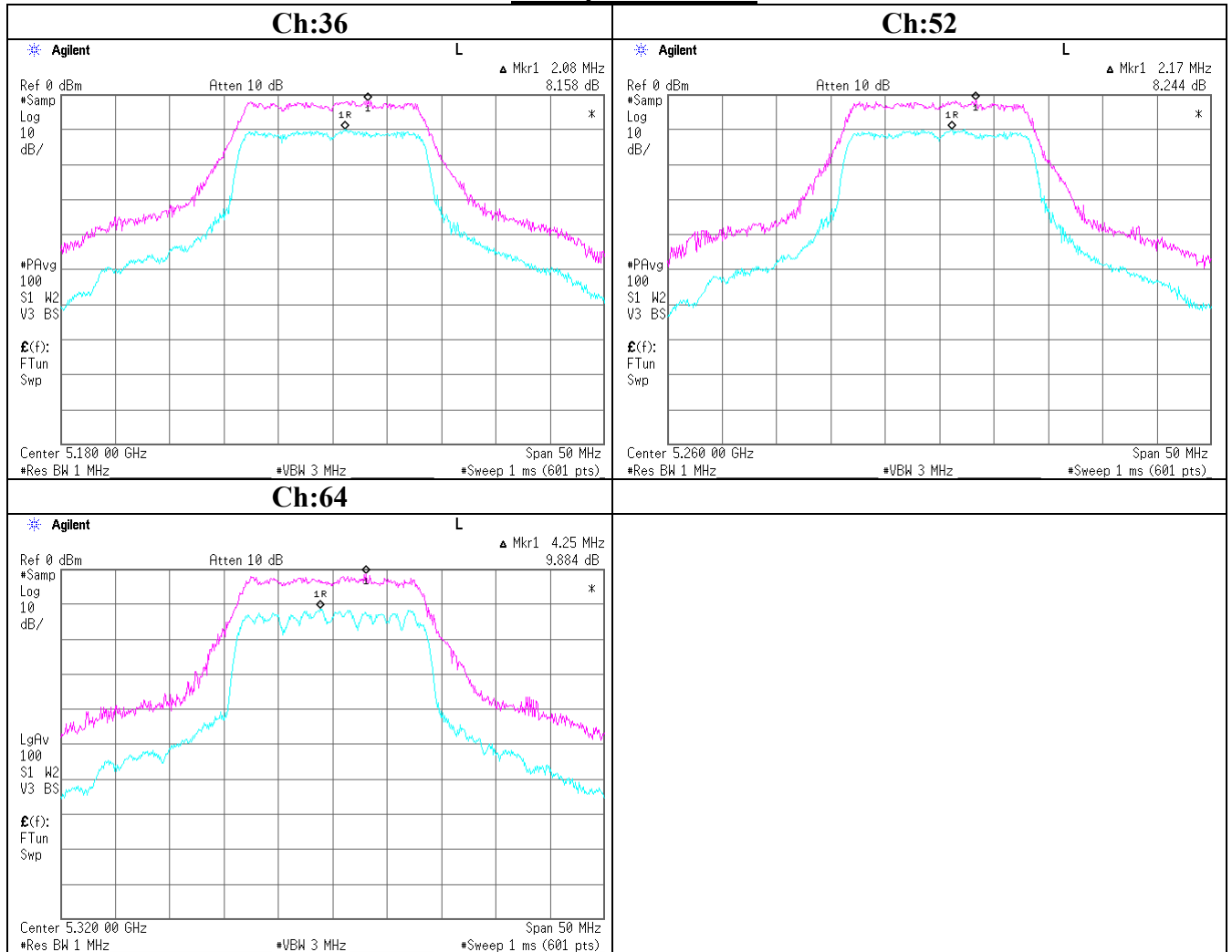
Company : SONY Corporation
Equipment : Notebook Personal Computer
Model : PCG-4H2L
Sample No. : XTB2-5
Power : AC120V/60Hz
Mode : Tx IEEE 802.11a 54Mbps
: Continuous Transmitting

REPORT NO : 26HE0320-HO
REGULATION : FCC 15.407(a)(6)
TEST DISTANCE : -
DATE : 04/10/2006
TEMPERATURE : 22deg.C
HUMIDITY : 42%
ENGINEER : Yutaka Yoshida

Ch	Freq. [MHz]	Peak Power Excursion [dB]	Limit [dB]
36	5180.0	9.050	13.0
52	5260.0	9.930	13.0
64	5320.0	9.530	13.0

Peak Excursion Ratio

36Mbps Antenna:A



UL Apex Co., Ltd.

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MF060b(01.06.05)

99%Occupied Bandwidth

54Mbps Antenna:AUX

