

APPENDIX 2: Data of EMI test

Conducted Emission
Tx, Ch: Low

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
 Date : 2009/03/19

Company	: Sony Corporation	Report No.	: 29FE0077-HO-01
Kind of EUT	: Wireless Audio Transmitter	Power	: DC 5.0V
Model No.	: AIR-PC10T	Temp./Humi.	: 24deg. C. / 33%
Serial No.	: 900005	Engineer	: Hisayoshi Sato

Mode / Remarks : 2412MHz Transmitting mode

LIMIT : FCC15.107(a) QP
FCC15.107(a) AV

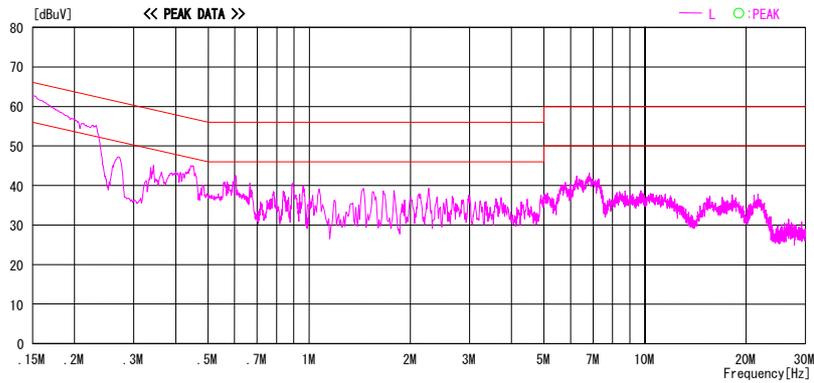
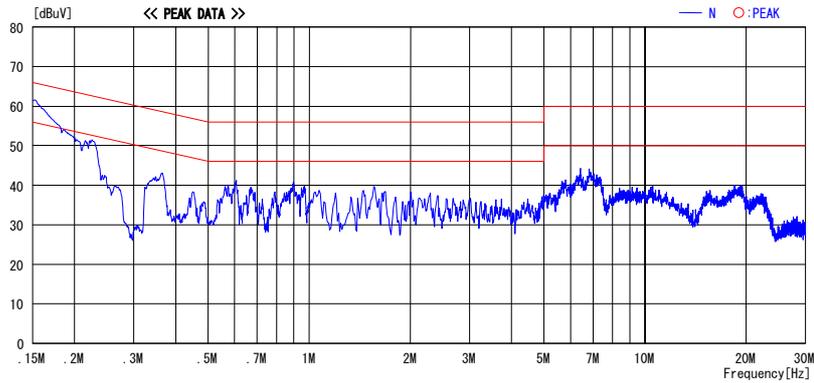


CHART WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission
Tx, Ch: Mid

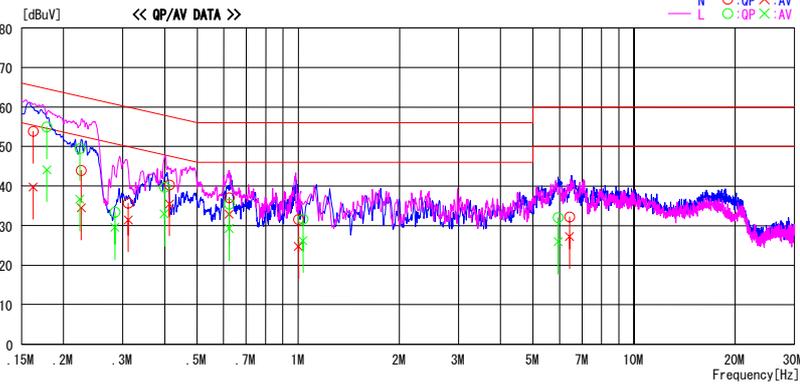
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UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
 Date : 2009/03/19

Company : Sony Corporation
 Kind of EUT : Wireless Audio Transmitter
 Model No. : AIR-PC10T
 Serial No. : 900005
 Report No. : 29FE0077-HO-01
 Power : DC 5.0V
 Temp./Humi. : 24deg. C / 33%
 Engineer : Hisayoshi Sato

Mode / Remarks : 2438MHz Transmitting mode

LIMIT : FCC15.107(a) QP
 FCC15.107(a) AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase	Comment
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]		
0.16220	53.5	39.4	0.3	53.8	39.7	65.4	55.4	11.6	15.7	N	
0.22581	43.6	34.2	0.3	43.9	34.5	62.6	52.6	18.7	18.1	N	
0.31157	35.4	31.2	0.3	35.7	31.5	59.9	49.9	24.2	18.4	N	
0.41316	40.0	35.2	0.3	40.3	35.5	57.6	47.6	17.3	12.1	N	
0.62244	36.8	32.6	0.3	37.1	32.9	56.0	46.0	18.9	13.1	N	
1.00251	31.2	24.4	0.3	31.5	24.7	56.0	46.0	24.5	21.3	N	
6.42460	31.4	26.4	0.6	32.2	27.2	60.0	50.0	27.8	22.8	N	
0.17824	54.7	43.8	0.3	55.0	44.1	64.6	54.6	9.6	10.5	L	
0.22353	49.2	36.4	0.3	49.5	36.7	62.7	52.7	13.2	16.0	L	
0.28467	33.1	29.2	0.3	33.4	29.5	60.7	50.7	27.3	21.2	L	
0.39916	39.4	32.6	0.3	39.7	32.9	57.9	47.9	18.2	15.0	L	
0.62303	35.1	29.0	0.3	35.4	29.3	56.0	46.0	20.6	16.7	L	
1.03350	31.3	25.9	0.3	31.6	26.2	56.0	46.0	24.4	19.8	L	
5.93810	31.2	25.1	0.8	32.0	25.9	60.0	50.0	28.0	24.1	L	

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

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

Conducted Emission Tx, Ch: High

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/03/19

Company	: Sony Corporation	Report No.	: 29FE0077-HO-01
Kind of EUT	: Wireless Audio Transmitter	Power	: DC 5.0V
Model No.	: AIR-PC10T	Temp./Humi.	: 24deg. C. / 33%
Serial No.	: 900005	Engineer	: Hisayoshi Sato

Mode / Remarks : 2464MHz Transmitting mode

LIMIT : FCC15.107(a) OP
FCC15.107(a) AV

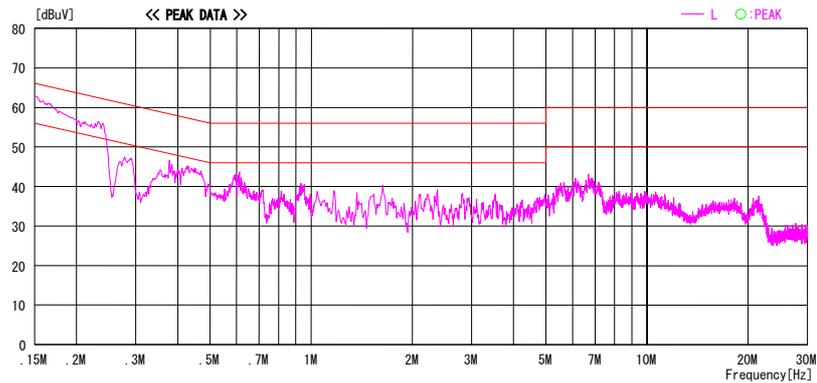
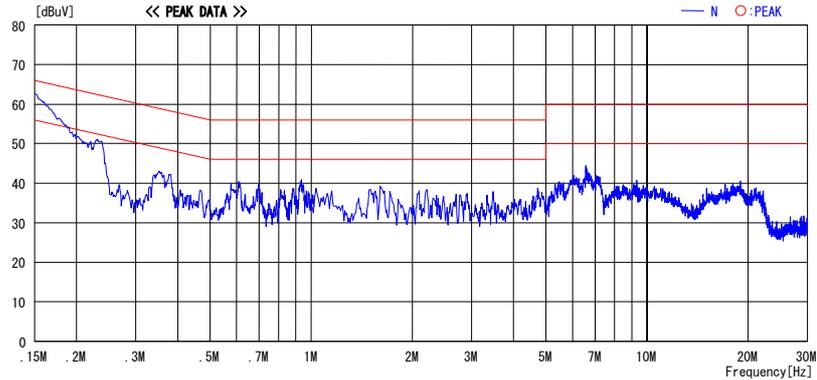


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN LOSS+CABLE LOSS)
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Radiated Spurious Emission
Tx, Ch: Low

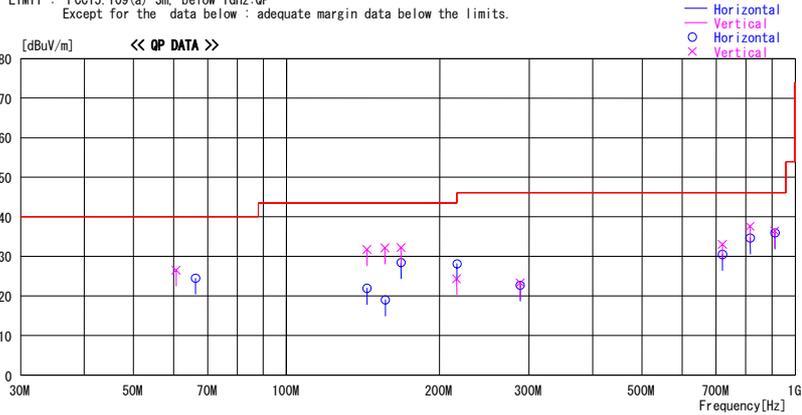
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
Date : 2009/03/18

Company : Sony Corporation Report No. : 29FE0077-HO-01
Kind of EUT : Wireless Audio Transmitter Power : DC 5.0V
Model No. : AIR-PC10T Temp./Humi. : 24deg. C. / 37%
Serial No. : 900005 Engineer : Hisayoshi Sato

Mode / Remarks : 2412MHz Transmitting mode Worst-axis(Hor: Z-axis, Ver: X-axis)

LIMIT : FCC15.109(a) 3m. below 1GHz:QP
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]							
60.624	43.6	QP	7.4	-24.5	26.5	253	100	Vert	40.0	13.5	
66.165	42.2	QP	6.7	-24.4	24.5	0	231	Hori	40.0	15.5	
143.987	31.1	QP	14.2	-23.4	21.9	228	125	Hori	43.5	21.6	
144.032	40.9	QP	14.2	-23.4	31.7	142	100	Vert	43.5	11.8	
156.090	40.5	QP	14.9	-23.3	32.1	149	100	Vert	43.5	11.4	
156.360	27.4	QP	14.9	-23.3	19.0	167	100	Hori	43.5	24.5	
168.012	36.2	QP	15.4	-23.2	28.4	226	195	Hori	43.5	15.1	
168.033	40.0	QP	15.4	-23.2	32.2	151	100	Vert	43.5	11.3	
216.014	30.1	QP	16.9	-22.7	24.3	262	102	Vert	46.0	21.7	
216.268	33.8	QP	16.9	-22.6	28.1	279	138	Hori	46.0	17.9	
288.021	25.9	QP	18.9	-22.1	22.7	274	100	Hori	46.0	23.3	
288.043	26.5	QP	18.9	-22.1	23.3	227	100	Vert	46.0	22.7	
720.007	32.0	QP	20.4	-19.4	33.0	0	100	Vert	46.0	13.0	
720.021	29.5	QP	20.4	-19.4	30.5	344	100	Hori	46.0	15.5	
815.999	34.2	QP	21.8	-18.4	37.6	291	109	Vert	46.0	8.4	
816.012	31.2	QP	21.8	-18.4	34.6	344	100	Hori	46.0	11.4	
912.011	31.2	QP	22.2	-17.5	35.9	2	100	Hori	46.0	10.1	
912.012	31.7	QP	22.2	-17.5	36.4	268	100	Vert	46.0	9.6	

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

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

Radiated Spurious Emission
Tx, Ch: Mid

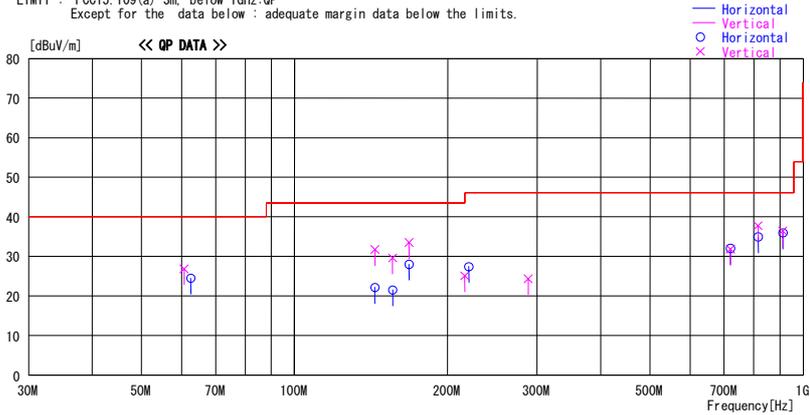
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			Factor [dBm]	Loss & Gain [dB]							
60.666	43.9	QP	7.4	-24.5	26.8	253	100	Vert	40.0	13.2	
144.018	40.9	QP	14.2	-23.4	31.7	142	100	Vert	43.5	11.8	
155.820	38.0	QP	14.9	-23.3	29.6	3	100	Vert	43.5	13.9	
168.030	41.3	QP	15.4	-23.2	33.5	151	100	Vert	43.5	10.0	
216.043	30.9	QP	16.9	-22.7	25.1	262	102	Vert	46.0	20.9	
288.056	27.5	QP	18.9	-22.1	24.3	227	100	Vert	46.0	21.7	
815.957	34.3	QP	21.8	-18.4	37.7	291	109	Vert	46.0	8.3	
912.024	31.7	QP	22.2	-17.5	36.4	268	100	Vert	46.0	9.6	
62.540	41.8	QP	7.2	-24.5	24.5	12	231	Hori	40.0	15.5	
143.944	31.3	QP	14.2	-23.4	22.1	84	125	Hori	43.5	21.4	
156.005	29.9	QP	14.9	-23.3	21.5	84	125	Hori	43.5	22.0	
167.989	35.8	QP	15.4	-23.2	28.0	226	195	Hori	43.5	15.5	
220.023	33.1	QP	16.9	-22.6	27.4	279	138	Hori	46.0	18.6	
816.108	31.5	QP	21.8	-18.4	34.9	349	100	Hori	46.0	11.1	
912.155	31.2	QP	22.2	-17.5	35.9	14	100	Hori	46.0	10.1	
720.007	31.0	QP	20.4	-19.4	32.0	342	100	Hori	46.0	14.0	
720.007	30.8	QP	20.4	-19.4	31.8	357	100	Vert	46.0	14.2	

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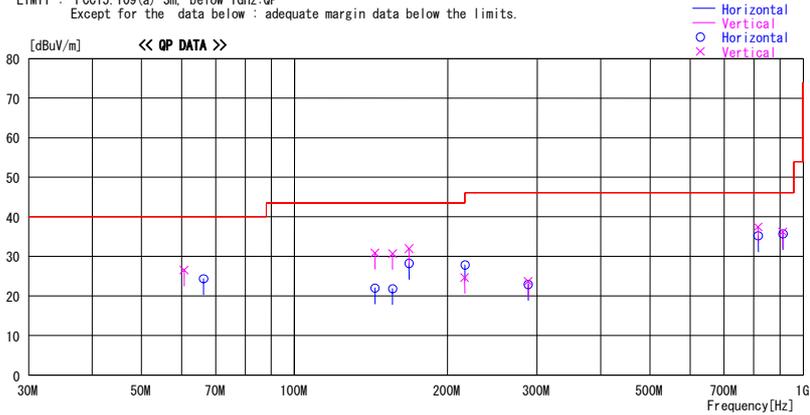
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			Factor [dB/m]	Loss & Gain [dB]							
60.654	43.7	QP	7.4	-24.5	26.6	253	100	Vert	40.0	13.5	
66.173	42.0	QP	6.7	-24.4	24.3	0	231	Hori	40.0	15.7	
143.997	31.2	QP	14.2	-23.4	22.0	228	125	Hori	43.5	21.5	
144.010	40.0	QP	14.2	-23.4	30.8	142	100	Vert	43.5	12.7	
155.822	30.2	QP	14.9	-23.3	21.8	3	112	Hori	43.5	21.7	
155.824	39.1	QP	14.9	-23.3	30.7	3	100	Vert	43.5	12.8	
168.003	36.0	QP	15.4	-23.2	28.2	226	195	Hori	43.5	15.3	
168.019	39.8	QP	15.4	-23.2	32.0	151	100	Vert	43.5	11.5	
216.007	30.4	QP	16.9	-22.7	24.6	262	102	Vert	46.0	21.4	
216.291	33.5	QP	16.9	-22.6	27.8	279	138	Hori	46.0	18.2	
288.015	26.1	QP	18.9	-22.1	22.9	274	100	Vert	46.0	23.1	
288.023	26.9	QP	18.9	-22.1	23.7	227	100	Vert	46.0	22.3	
815.996	34.0	QP	21.8	-18.4	37.4	291	109	Vert	46.0	8.6	
816.007	31.8	QP	21.8	-18.4	35.2	344	100	Hori	46.0	10.8	
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912.009	31.0	QP	22.2	-17.5	35.7	2	100	Hori	46.0	10.3	

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APPENDIX 3: Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MAEC-03	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	RE/CE	2009/02/02 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	-	RE/CE	2009/02/06 * 12
MJM-06	Measure	PROMART	SEN1955	-	RE/CE	-
CUST-MSTW-14	EMI measurement program	TSJ	TEPTO-DV	-	RE/CE	-
MSA-09	Spectrum Analyzer	Advantest	R3273	95090115	RE/CE	2008/12/24 * 12
MTR-08	Test Receiver	Rohde & Schwarz	ESCI	100767	RE/CE	2008/06/12 * 12
MBA-03	Biconical Antenna	Schwarzbeck	BBA9106	1915	RE	2009/01/19 * 12
MLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	174	RE	2009/01/10 * 12
MCC-51	Coaxial cable	UL Japan	-	-	RE	2008/07/18 * 12
MAT-30	Attenuator(6dB)	TME	UFA-01	-	RE	2009/03/02 * 12
MPA-13	Pre Amplifier	SONOMA INSTRUMENT	310	260834	RE	2009/03/18 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	8127363	CE (EUT)	2009/02/18 * 12
MCC-112	Coaxial cable	Fujikura/Suhner/TSJ	-	-	CE	2008/07/03 * 12

The expiration date of the calibration is the end of the expired month.

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

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

**Test Item: CE: Conducted Emission
RE: Radiated Emission**

UL Japan, Inc.

Head Office EMC Lab.

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