

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 : FCC15.207 QP
FCC15.207 AV

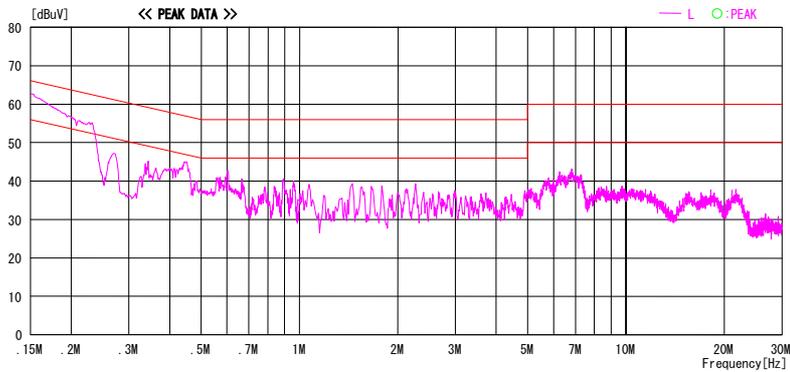
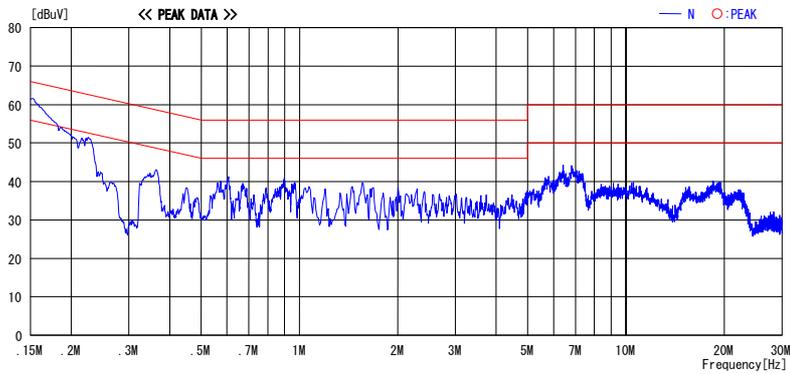


CHART WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C.F[db] (L1SN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

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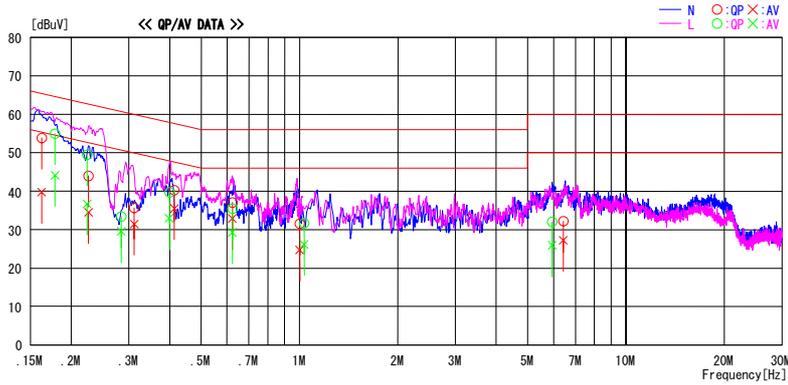
Conducted Emission
Tx, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

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 : FCC15.207 QP
FCC15.207 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	0.8	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. CALCURATION: RESULT[dBuV]=READING[dBuV]+C.F.[dB] (L ISN 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 : FCC15.207 OP
FCC15.207 AV

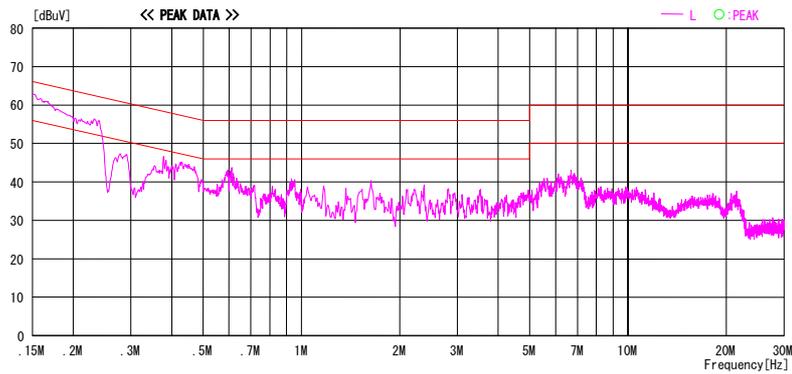
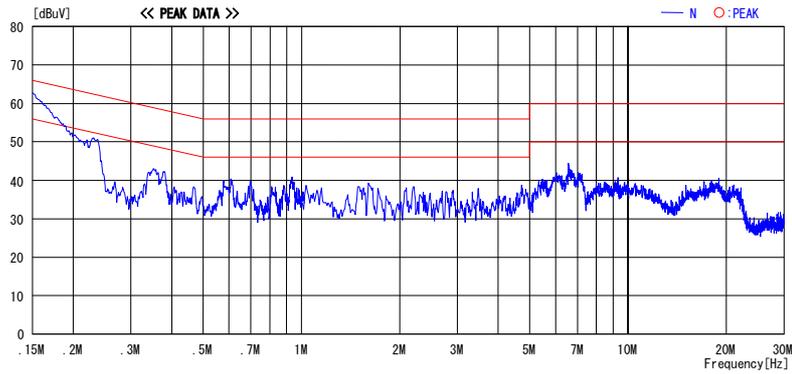


CHART: WITH FACTOR. Peak hold data. CALCURATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (L ISN LOSS + CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

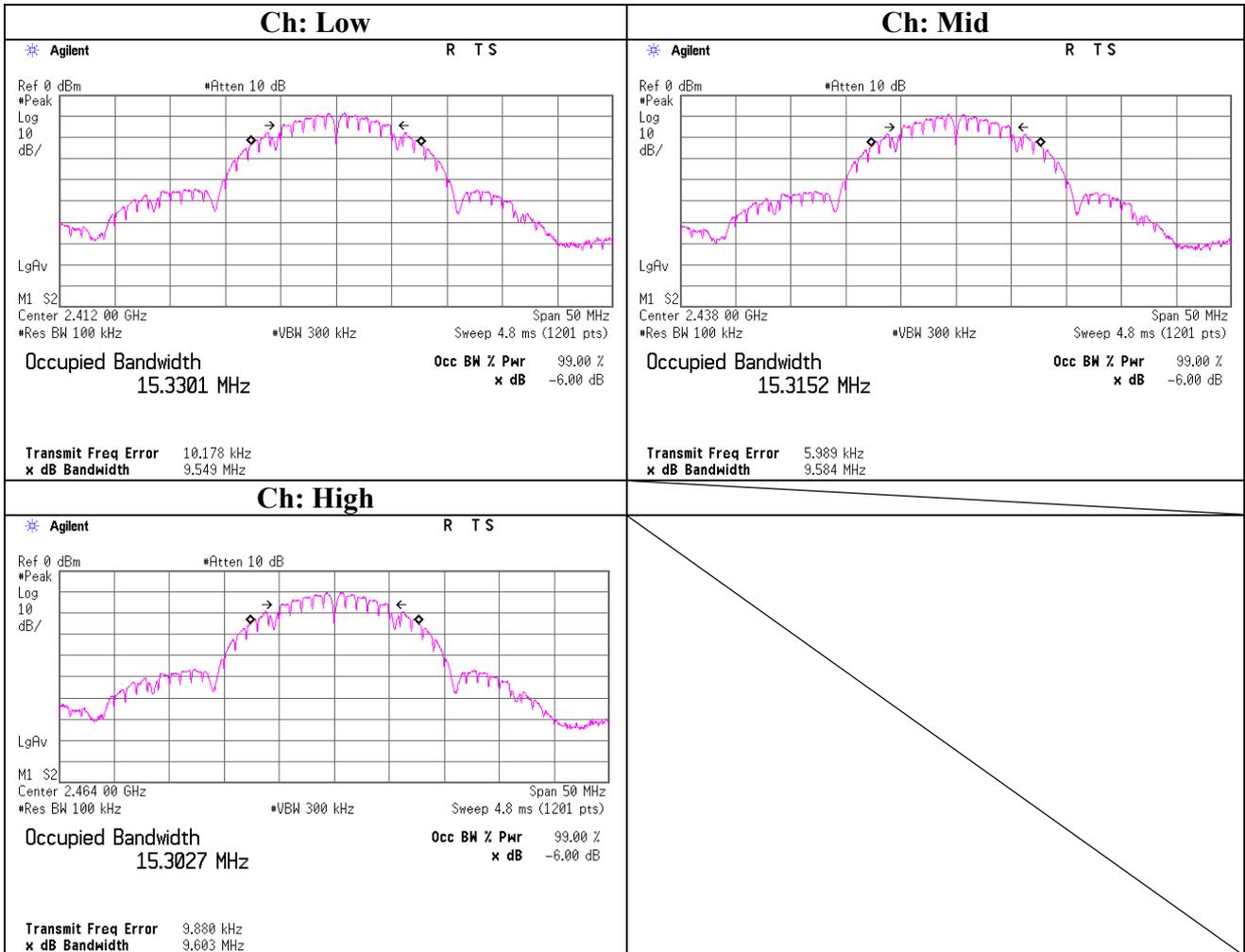
6dB Bandwidth

Company Sony Corporation
Equipment Wireless Audio Transmitter
Model No. AIR-PC10T
Serial No. 900021
Power DC 5.0V
Mode Transmitting mode
EUT-Position -

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded room
Test Report No. 29FE0077-HO-01
Regulation FCC15.247(a)(2)/RSS-210A8.2(a)
Test Distance -
Date 03/16/2009
Temperature 25 deg.C.
Humidity 37 %
Engineer Takeshi Choda

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	9.549	>500
Mid	2438.0	9.584	>500
High	2464.0	9.603	>500

6dB Bandwidth



Maximum Peak Output Power

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded room

Company	Sony Corporation	Test Report No.	29FE0077-HO-01
Equipment	Wireless Audio Transmitter	Regulation	FCC15.247(b)(3)/RSS-210A8.4(4)
Model No.	AIR-PC10T	Test Distance	-
Serial No.	900021	Date	03/16/2009
Power	DC 5.0V	Temperature	25 deg.C.
Mode	Transmitting mode	Humidity	37 %
EUT-Position	-	Engineer	Takeshi Choda

[Peak Detect]

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	7.87	1.67	10.08	19.62	91.62	30.00	1000	10.38
Mid	2438.0	7.18	1.69	10.08	18.95	78.52	30.00	1000	11.05
High	2464.0	6.46	1.69	10.08	18.23	66.53	30.00	1000	11.77

Sample Calculation:

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

UL Japan, Inc.

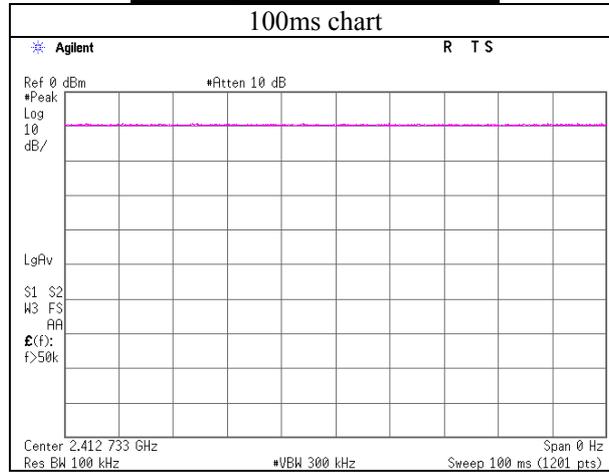
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VBW setting to use of the radiated emission
(Average detector function)



--- VBW Setting ---

$VBW = 1 / (1 \text{ cycle time}) = 1 / 100 \text{ ms} = 10 \text{ Hz}$ -> Therefore, we use VBW=10Hz for Spurious Emission Test (Average)

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

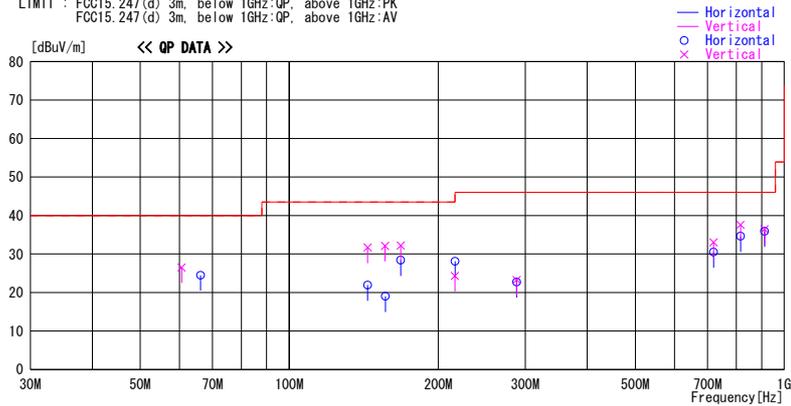
DATA OF RADIATED EMISSION TEST

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

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 / 37%
Engineer : Hisayoshi Sato

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

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg.]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor	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	
168.030	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 test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
Tx, Ch: Mid

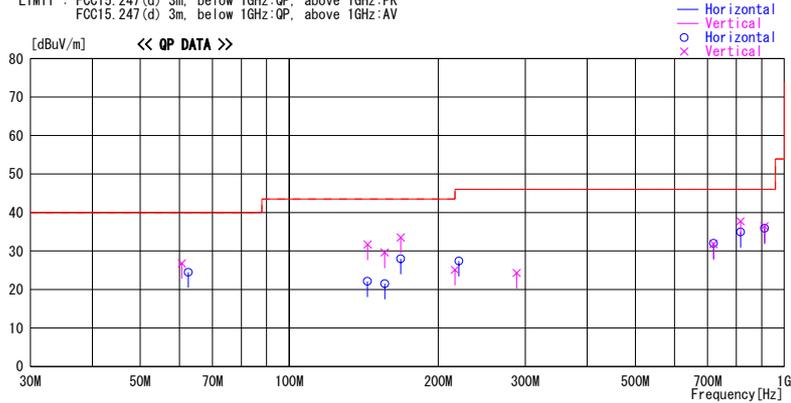
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 3 Semi Anechoic Chamber
Date : 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 : 2438MHz Transmitting mode Worst-axis(Hor: Z-axis, Ver: X-axis)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg.]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor	Loss& Gain							
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	
315.957	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	228	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	

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

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

Radiated Spurious Emission (below 1GHz)
Tx, Ch: High

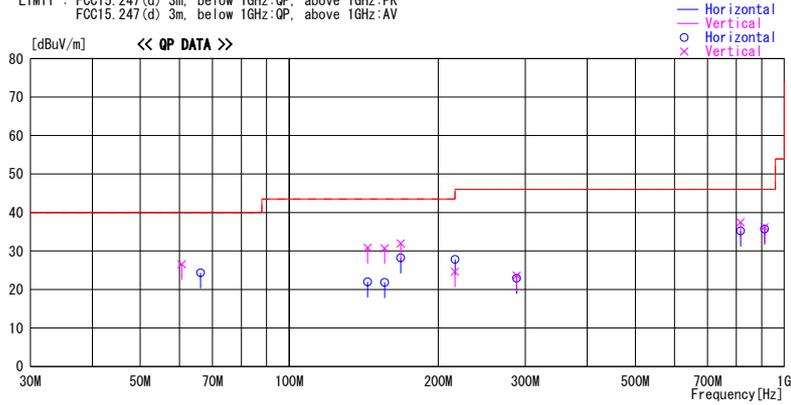
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Company : Sony Corporation Report No. : 29FE0077-HO-01
Kind of EUT : Wireless Audio Transmitter Power : DC 5.0V
Model No. : AIR-PC10T Temp./Humi. : 24deg.C. / 37%
Serial No. : 900005 Engineer : Hisayoshi Sato

Mode / Remarks : 2464MHz Transmitting mode Worst-axis(Hor: Z-axis, Ver: X-axis)

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg.]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor	Loss& Gain							
60.664	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	Hori.	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	
912.003	31.5	QP	22.2	-17.5	36.2	268	100	Vert.	46.0	9.8	
912.009	31.0	QP	22.2	-17.5	35.7	2	100	Hori.	46.0	10.3	

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

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

Radiated Spurious Emission (above 1GHz)

Tx, Ch: Low

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Corporation	Test Report No.	29FE0077-HO-01
Equipment	Wireless Audio Transmitter	Regulation	FCC15.247(d)/RSS-210A8.5
Model No.	AIR-PC10T	Test Distance	0.5m / 1m / 3m
Serial No.	900005	Date	03/16/2009
Power	DC 5.0V	Temperature	24 deg.C.
Mode	2412MHz Transmitting mode	Humidity	37 %
EUT-Position	Hor:Z-axis Ver :X axis	Engineer	Hisayoshi Sato

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]	Atteuation Factor [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	2390.00	44.9	44.8	26.7	32.8	2.7	0.0	10.1	51.6	51.5	73.9	22.3	22.4
2	**2400.00	62.2	60.4	26.7	32.8	2.7	0.0	10.1	68.9	67.1	-	-	-
3	4824.00	50.0	47.9	31.2	30.7	3.7	1.0	0.0	55.2	53.1	73.9	18.7	20.8
4	7236.00	41.4	42.1	35.7	31.4	4.7	0.9	0.0	51.3	52.0	73.9	22.6	21.9
5	**9648.00	46.9	48.4	38.3	32.0	5.4	1.2	0.0	59.8	61.3	-	-	-
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
6	12060.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
7	12864.01	50.3	46.9	39.8	32.4	5.8	0.0	0.0	54.0	50.6	73.9	19.9	23.3
8	14472.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
9	16884.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
Test distance 0.5meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
10	19296.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
11	21708.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
12	24120.00	42.5	42.5	38.5	31.0	8.0	0.0	0.0	42.4	42.4	73.9	31.5	31.5

** Refeance deta

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]	Atteuation Factor [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	2390.00	35.6	35.6	26.7	32.8	2.7	0.0	10.1	42.3	42.3	53.9	11.6	11.6
2	**2400.00	56.5	55.8	26.7	32.8	2.7	0.0	10.1	63.2	62.5	-	-	-
3	4824.00	46.8	43.4	31.2	30.7	3.7	1.0	0.0	52.0	48.6	53.9	1.9	5.3
4	7236.00	30.7	30.7	35.7	31.4	4.7	0.9	0.0	40.6	40.6	53.9	13.3	13.3
5	**9648.00	39.7	42.5	38.3	32.0	5.4	1.2	0.0	52.6	55.4	-	-	-
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
6	12060.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
7	12864.08	46.0	40.7	39.8	32.4	5.8	0.0	0.0	49.7	44.4	53.9	4.2	9.5
8	14472.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
9	16884.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
Test distance 0.5meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
10	19296.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
11	21708.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
12	24120.00	33.5	33.4	38.5	31.0	8.0	0.0	0.0	33.4	33.3	53.9	20.5	20.6

** Refeance deta

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB (10GHz to 18GHz)
Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6 dB (18GHz to 26.5GHz)

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

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

*In the frequency of the tenth harmonic, the noise from the EUT was not seen. The data above is its base noise.

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

*NS: No detect Signal.

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Radiated Spurious Emission
Tx, Ch: Mid

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Corporation	Test Report No.	29FE0077-HO-01
Equipment	Wireless Audio Transmitter	Regulation	FCC15.247(d)/RSS-210A8.5
Model No.	AIR-PC10T	Test Distance	0.5m / 1m / 3m
Serial No.	900005	Date	03/16/2009
Power	DC 5.0V	Temperature	24 deg.C.
Mode	2438MHz Transmitting mode	Humidity	37 %
EUT-Position	Hor:Z-axis Ver :X axis	Engineer	Hisayoshi Sato

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]	Attenuation Factor [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	4876.00	48.1	50.5	31.3	30.6	3.7	0.9	0.0	53.4	55.8	73.9	20.5	18.1
2	7314.00	40.2	43.9	35.8	31.4	4.7	0.9	0.0	50.2	53.9	73.9	23.7	20.0
3	9752.00	37.5	44.7	38.4	32.1	5.4	1.2	0.0	50.4	57.6	73.9	23.5	16.3
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
4	12190.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
5	**13002.66	50.6	48.9	39.9	32.4	5.8	0.0	0.0	54.4	52.7	-	-	-
6	14628.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
7	17066.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
Test distance 0.5meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
8	19504.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
9	21942.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
10	24380.00	41.5	43.1	38.6	30.6	8.0	0.0	0.0	41.9	43.5	73.9	32.0	30.4

**Reference data

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Attenuation Factor [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	4876.00	44.9	47.6	31.3	30.6	3.7	0.9	0.0	50.2	52.9	53.9	3.7	1.0
2	7314.00	30.4	30.6	35.8	31.4	4.7	0.9	0.0	40.4	40.6	53.9	13.5	13.3
3	9752.00	34.6	36.5	38.4	32.1	5.4	1.2	0.0	47.5	49.4	53.9	6.4	4.5
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
4	12190.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
5	**13002.66	47.5	43.8	39.9	32.4	5.8	0.0	0.0	51.3	47.6	-	-	-
6	14628.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
7	17066.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
Test distance 0.5meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
8	19504.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
9	21942.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
10	24380.00	32.8	32.7	38.6	30.6	8.0	0.0	0.0	33.2	33.1	53.9	20.7	20.8

**Reference data

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB (10GHz to 18GHz)
Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6 dB (18GHz to 26.5GHz)

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

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

*In the frequency of the tenth harmonic, the noise from the EUT was not seen. The data above is its base noise.

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

*NS: No detect Signal.

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Radiated Spurious Emission
Tx, Ch: High

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	Sony Corporation	Test Report No.	29FE0077-HO-01	
Equipment	Wireless Audio Transmitter	Regulation	FCC15.247(d)/RSS-210A8.5	
Model No.	AIR-PC10T	Test Distance	0.5m / 1m / 3m	
Serial No.	900005	Date	03/16/2009	03/17/2009
Power	DC 5.0V	Temperature	24 deg.C.	23 deg.C.
Mode	2464MHz Transmitting mode	Humidity	37 %	34 %
EUT-Position	Hor:Z-axis Ver :X axis	Engineer	Hisayoshi Sato	Hisayoshi Sato

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]	Attenuation Factor [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	2483.50	47.0	45.2	26.9	32.8	2.8	0.0	10.1	54.0	52.2	73.9	19.9	21.7
2	4928.00	48.4	48.1	31.4	30.6	3.7	0.9	0.0	53.8	53.5	73.9	20.1	20.4
3	7392.00	43.3	41.1	36.0	31.4	4.7	0.9	0.0	53.5	51.3	73.9	20.4	22.6
4	**9856.00	44.5	47.8	38.4	32.2	5.4	1.3	0.0	57.4	60.7	-	-	-
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
5	12320.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
6	**13141.31	52.5	50.1	40.2	32.4	5.8	0.0	0.0	56.6	54.2	-	-	-
7	14784.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
8	17248.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
Test distance 0.5meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
9	19712.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
10	22176.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
11	24640.00	43.0	44.9	38.8	30.2	8.1	0.0	0.0	44.1	46.0	73.9	29.8	27.9

** Reference data

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Attenuation Factor [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	2483.50	39.6	38.2	26.9	32.8	2.8	0.0	10.1	46.6	45.2	53.9	7.3	8.7
2	4928.00	43.4	43.5	31.4	30.6	3.7	0.9	0.0	48.8	48.9	53.9	5.1	5.0
3	7392.00	30.9	30.9	36.0	31.4	4.7	0.9	0.0	41.1	41.1	53.9	12.8	12.8
4	**9856.00	39.7	40.4	38.4	32.2	5.4	1.3	0.0	52.6	53.3	-	-	-
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
5	12320.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
6	**13141.31	50.0	46.2	40.2	32.4	5.8	0.0	0.0	54.1	50.3	-	-	-
7	14784.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
8	17248.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
Test distance 0.5meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
9	19712.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
10	22176.00	NS	NS	-	-	-	-	-	-	-	53.9	-	-
11	24640.00	34.8	34.8	38.8	30.2	8.1	0.0	0.0	35.9	35.9	53.9	18.0	18.0

** Reference data

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3.0/1.0) = 9.5$ dB (10GHz to 18GHz)
Test Distance 0.5m : Distance Factor(Dfac) = $20\log(3/0.5) = 15.6$ dB (18GHz to 26.5GHz)
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*In the frequency of the tenth harmonic, the noise from the EUT was not seen. The data above is its base noise.
*The test result is round off to one or two decimal places, so some differences might be observed.
*NS: No detect Signal.

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Radiated Spurious Emission

UL Japan, Inc.

Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company Sony Corporation
Equipment Wireless Audio Transmitter
Model No. AIR-PC10T
Serial No. 900005
Power DC 5.0V
Mode Transmitting mode
EUT-Position Hor:Z-axis Ver :X axis

Test Report No. 29FE0077-HO-01
Regulation FCC15.247(d)/RSS-210A8.5
Test Distance 1m / 3m
Date 03/16/2009 03/17/2009
Temperature 24 deg.C. 23 deg.C.
Humidity 37 % 34 %
Engineer Hisayoshi Sato Hisayoshi Sato

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]	Attenuation Factor [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													
1	2412.00	91.4	89.2	26.8	32.8	2.7	0.0	10.1	98.2	96.0	-	-	-
2	2400.00	47.1	46.4	26.7	32.8	2.7	0.0	10.1	53.8	53.1	Funda-20dB	24.4	22.9
3	9648.00	42.1	43.5	38.4	32.2	5.4	1.3	0.0	55.0	56.4	Funda-20dB	23.2	19.6

20dBc(Fundamental 2438MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Attenuation Factor [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													
1	2438.00	88.0	84.6	26.8	32.8	2.8	0.0	10.1	94.9	91.5	-	-	-
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
2	13002.66	48.3	44.8	39.9	32.4	5.8	0.0	0.0	52.1	48.6	Funda-20dB	22.8	22.9

20dBc(Fundamental 2464MHz) (RBW: 100kHz, VBW: 300kHz)

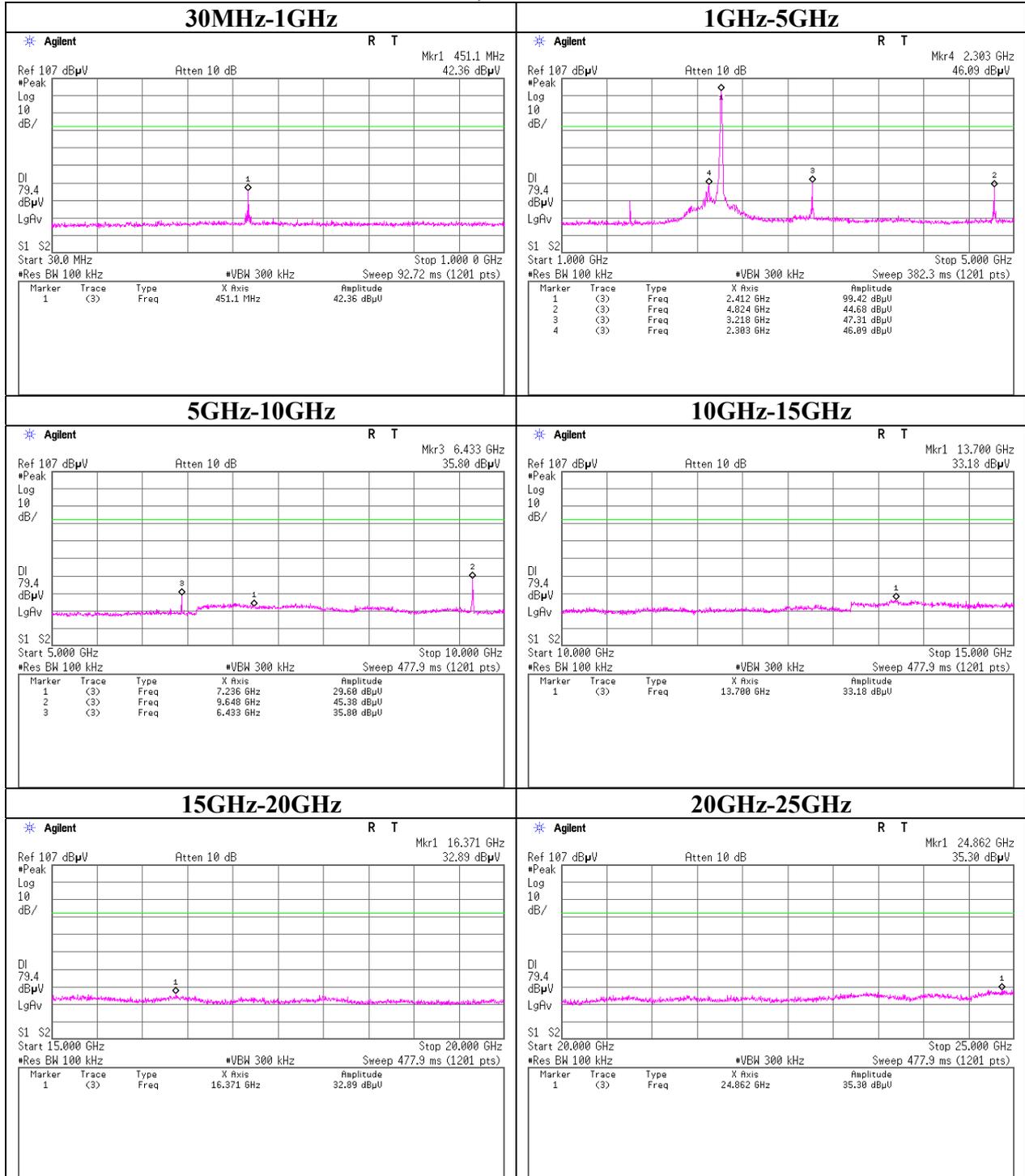
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Attenuation Factor [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2464.00	86.6	85.4	26.9	32.8	2.8	0.0	10.1	93.6	92.4	-	-	-
2	9856.00	39.7	42.7	38.4	32.2	5.4	1.3	0.0	52.6	55.6	Funda-20dB	21.0	16.8
Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
3	13141.31	50.8	47.3	40.2	32.4	5.8	0.0	0.0	54.9	51.4	Funda-20dB	18.7	21.0

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3.0/1.0) = 9.5 dB (10GHz to 18GHz)

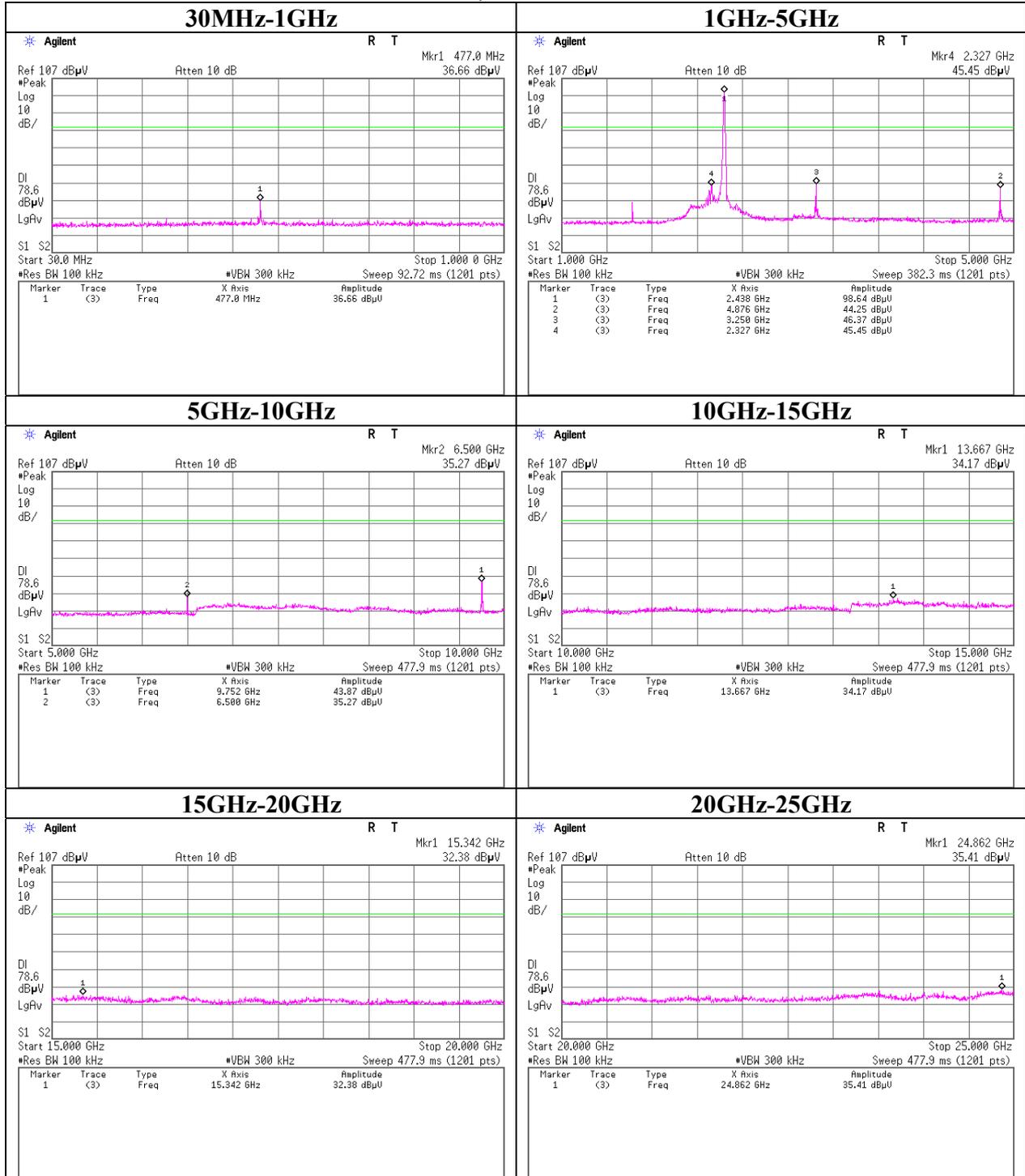
*Hi-Pass Filter was not used for factor 0.0dB of the above table.

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

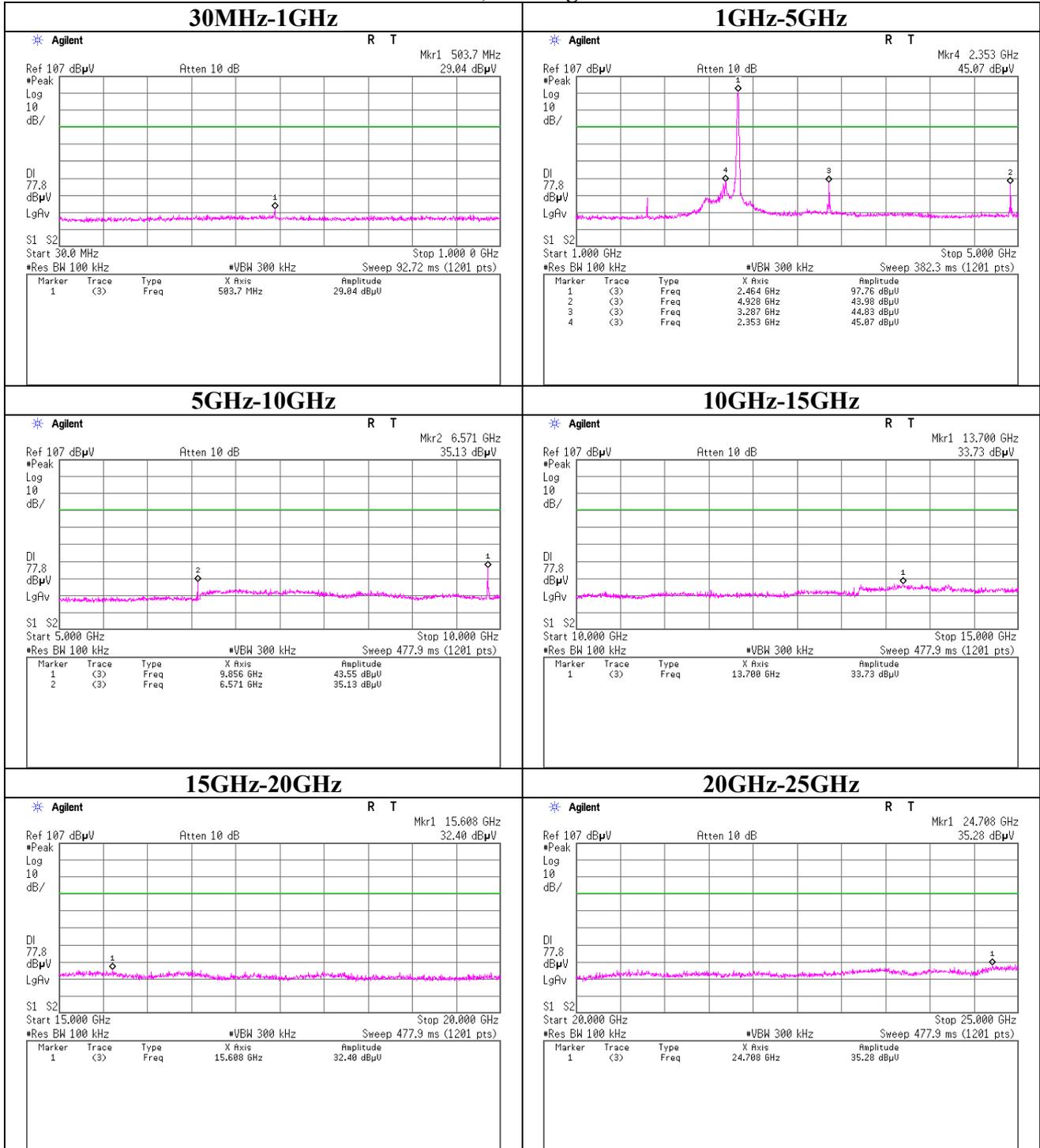
Conducted Spurious Emission
Tx, Ch: Low



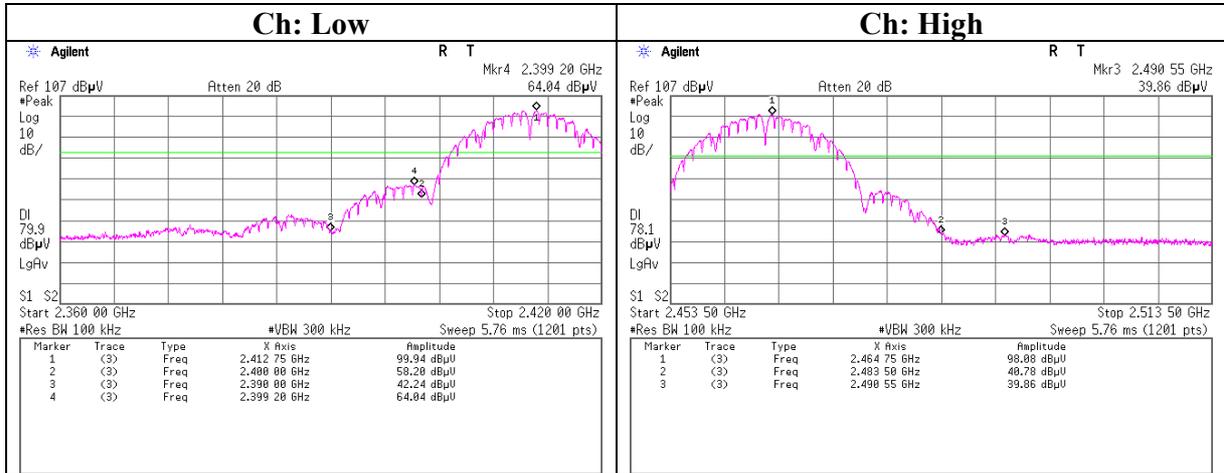
Conducted Spurious Emission
Tx, Ch: Mid



Conducted Spurious Emission
Tx, Ch: High



Conducted emission Band Edge compliance



Power Density

Company	Sony Corporation	UL Japan, Inc.
Equipment	Wireless Audio Transmitter	Head Office EMC Lab. No.6 Shielded room
Model No.	AIR-PC10T	Test Report No. 29FE0077-HO-01
Serial No.	900021	Regulation FCC15.247(e)/RSS-210A8.2(b)
Power	DC 5.0V	Test Distance -
Mode	Transmitting mode	Date 03/16/2009
EUT-Position	-	Temperature 25 deg.C.
		Humidity 37 %
		Engineer Takeshi Choda

Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-9.54	1.67	10.08	2.21	8.00	5.79
Mid	2438.0	-10.25	1.69	10.08	1.52	8.00	6.48
High	2464.0	-11.38	1.69	10.08	0.39	8.00	7.61

Sample Calculation:

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

UL Japan, Inc.

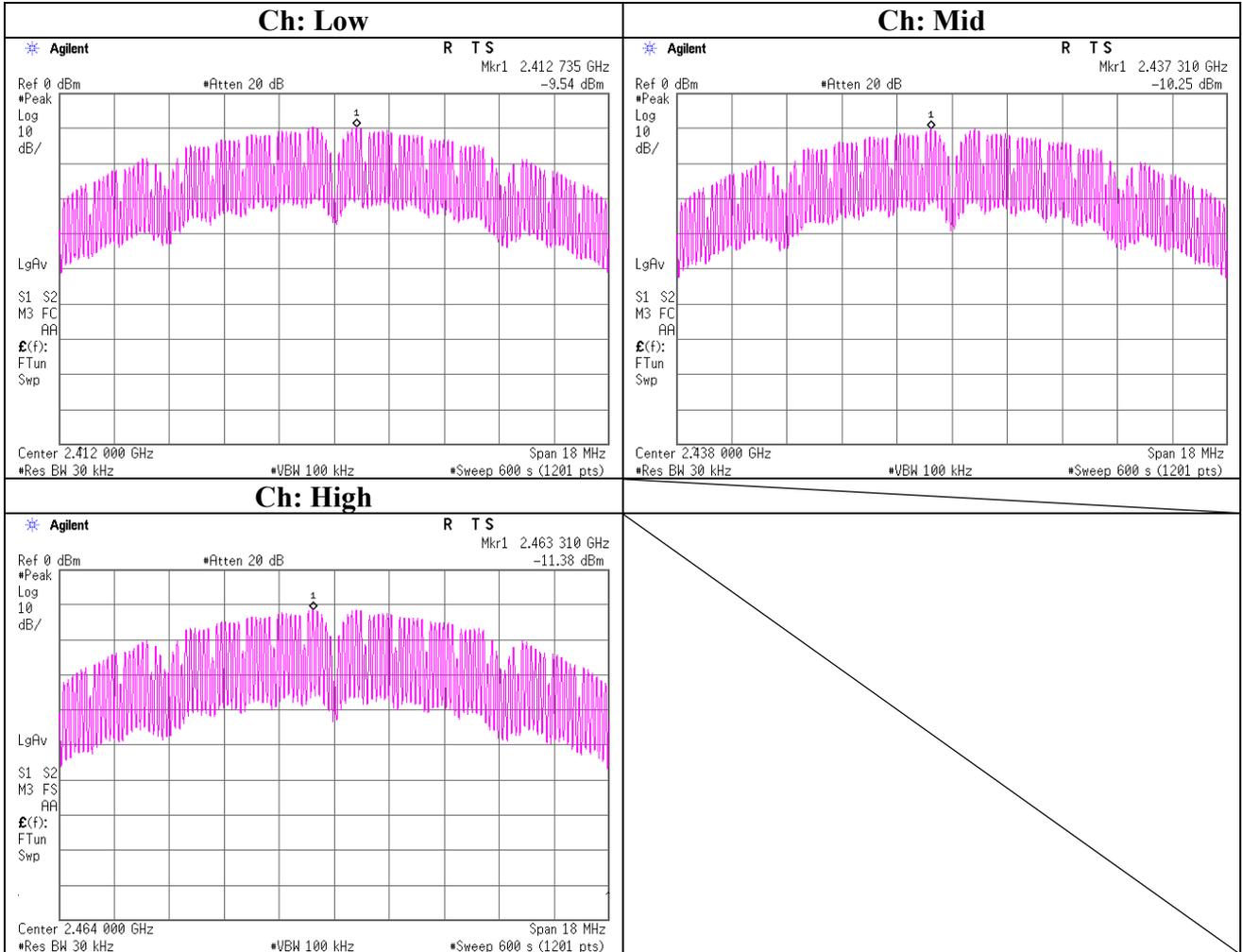
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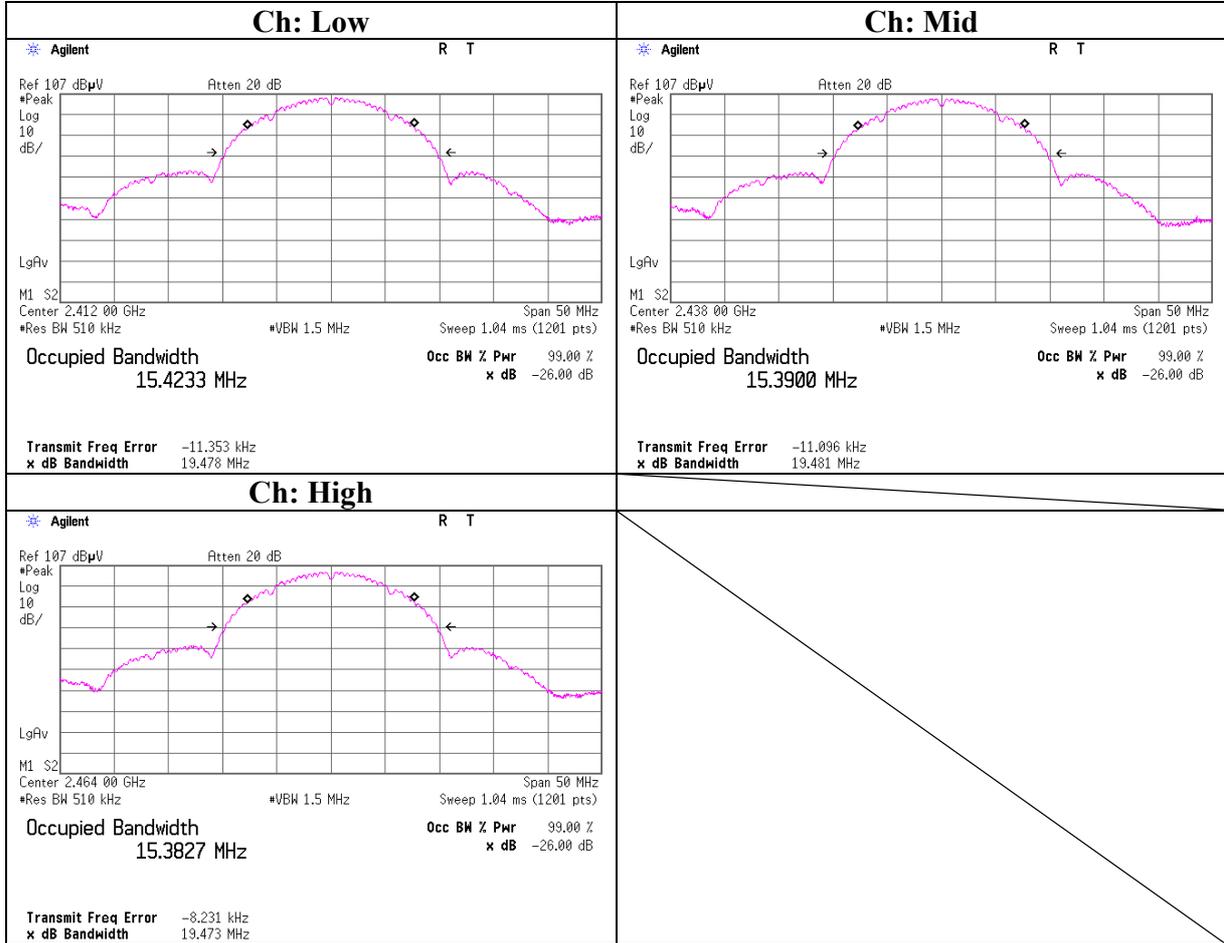
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Power Density



99% Occupied Bandwidth



APPENDIX 3: Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MSA-10	Spectrum Analyzer	Agilent	E4448A	MY46180655	AT	2009/02/25 * 12
MPM-08	Power Meter	Anritsu	ML2495A	6K00003338	AT	2008/09/24 * 12
MPSE-11	Power sensor	Anritsu	MA2411B	011737	AT	2008/09/24 * 12
MAT-20	Attenuator(10dB)(above1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	-	AT	2009/01/16 * 12
MCC-114	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	290212/4	AT	2008/08/01 * 12
MCC-36	Microwave Cable	Hirose Electric	U.FL-2LP-066-A-(200)	-	AT	2008/11/18 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	-	AT	2009/02/04 * 12
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-04	Spectrum Analyzer	Agilent	E4448A	US44300523	RE	2008/08/18 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	258	RE	2008/04/23 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	174410(1m) / 284655(5m)	RE	2009/01/07 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	MY39500779	RE	2008/03/13 * 12
MAT-23	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	-	RE	2008/03/05 * 12
MHF-19	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCA	602	RE	2008/12/16 * 12
MCC-78	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	278993/4	RE	2008/12/17 * 12
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
MHA-16	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	BBHA9170306	RE	2008/04/30 * 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

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

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

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

Test Item: CE: Conducted Emission
RE: Radiated Emission
AT: Antenna Terminal Conducted test