

## APPENDIX 2: Data of EMI test

### 6dB Bandwidth

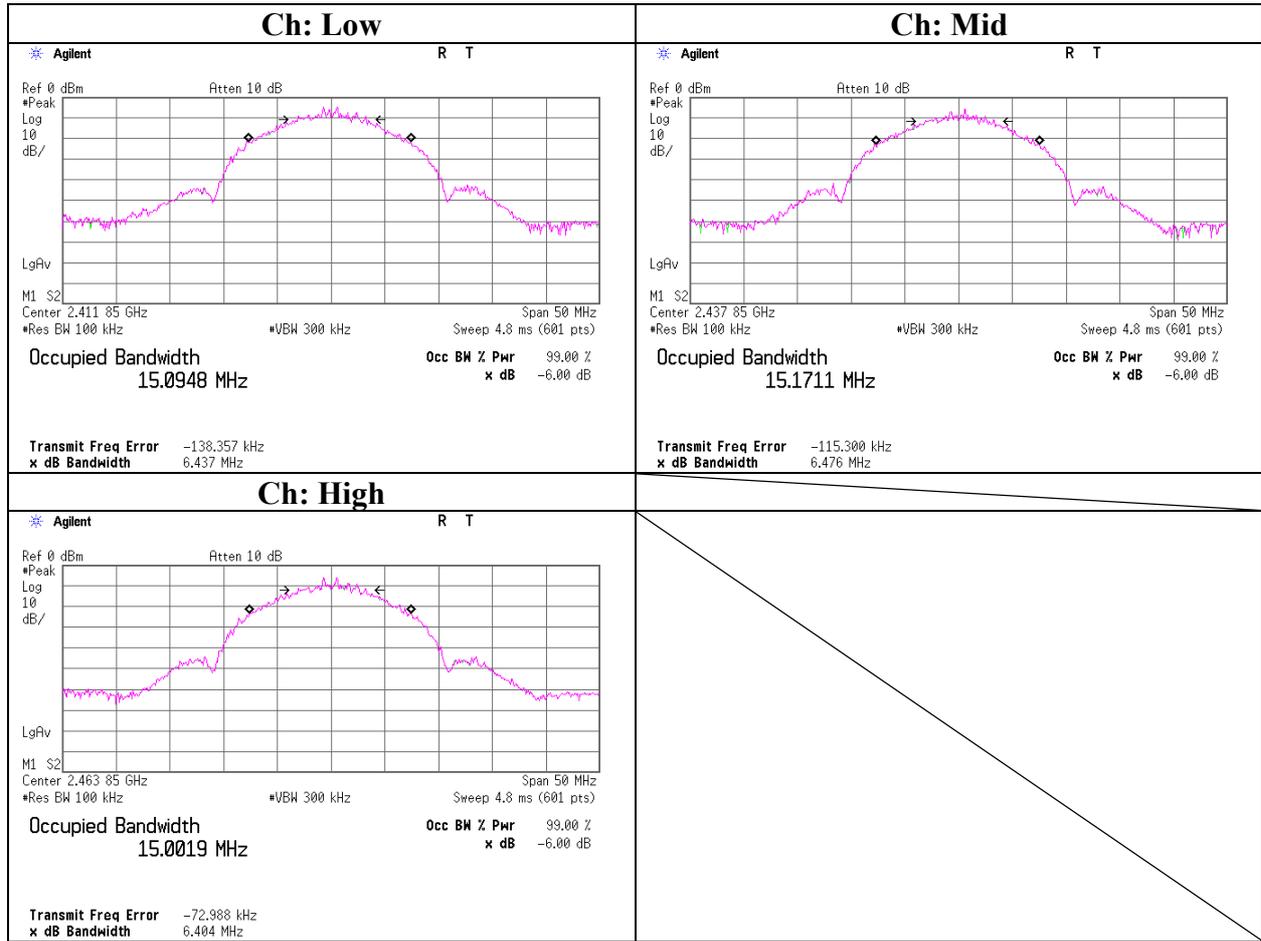
UL Japan, Inc.  
Head Office EMC Lab. No.6 Measurement Room

Company : Sony Corporation  
Equipment : Remote Commander  
Model No. : AIR-RM10  
Serial No. : 64  
Power : DC 6.0V  
Mode : Tx (Ch L, M, H), Antenna 1

Test Report No. : 29GE0040-HO-01  
Regulation : FCC15.247(a)(2)/RSS-210A8.2(a)  
Test distance : -  
Date : 04/02/2009  
Temperature : 22deg.C.  
Humidity : 33%  
Engineer : Kazufumi Nakai

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2411.85	6.437	>500
Mid	2437.85	6.476	>500
High	2463.85	6.404	>500

**6dB Bandwidth**



## Maximum Peak Output Power

UL Japan, Inc.  
Head Office EMC Lab. No.6 Measurement Room

Company : Sony Corporation  
Equipment : Remote Commander  
Model No. : AIR-RM10  
Serial No. : 64  
Power : DC 6.0V  
Mode : Tx (Ch L, M, H)

Test Report No. : 29GE0040-HO-01  
Regulation : FCC15.247(b)(3)/RSS-210A8.4(4)  
Test distance : -  
Date : 04/02/2009  
Temperature : 22deg.C.  
Humidity : 33%  
Engineer : Kazufumi Nakai

### Antenna1 (Worst)

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2411.85	6.39	0.37	10.08	16.84	48.31	30.00	1000	13.16
Mid	2437.85	5.51	0.37	10.08	15.96	39.45	30.00	1000	14.04
High	2463.85	4.65	0.37	10.08	15.10	32.36	30.00	1000	14.90

### Antenna2

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2411.85	5.61	0.37	10.08	16.06	40.36	30.00	1000	13.94
Mid	2437.85	4.72	0.37	10.08	15.17	32.89	30.00	1000	14.83
High	2463.85	3.88	0.37	10.08	14.33	27.10	30.00	1000	15.67

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 (below 1GHz)**  
**Antenna 1, Tx, Ch: Low**

**DATA OF RADIATED EMISSION TEST**

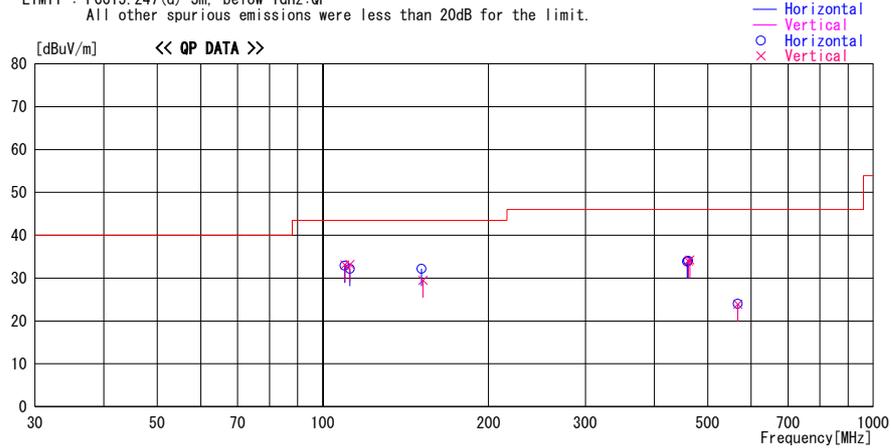
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2009/04/03

Company : Sony Corporation  
Kind of EUT : Remote Commander  
Model No. : AIR-RM10  
Serial No. : 63  
Report No. : 29GE0040-HO-01  
Power : DC 6.0V  
Temp./Humi. : 24deg. C. / 29%  
Engineer : Takayuki Shimada

Mode / Remarks : Transmitting Mode, 2411.85MHz, ANT:1, Worst-axis(H:Z-axis, V:Y-axis)

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

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]							
109.608	45.4	QP	11.3	-23.8	32.9	170	299	Hori.	43.5	10.6	
109.647	45.6	QP	11.3	-23.8	33.1	189	100	Vert.	43.5	10.4	
111.987	44.2	QP	11.7	-23.7	32.2	174	291	Hori.	43.5	11.3	
111.987	45.2	QP	11.7	-23.7	33.2	129	100	Vert.	43.5	10.3	
150.966	40.9	QP	14.6	-23.3	32.2	0	214	Hori.	43.5	11.3	
152.016	38.1	QP	14.7	-23.3	29.5	111	100	Vert.	43.5	14.0	
459.116	36.7	QP	18.1	-20.9	33.9	0	100	Hori.	46.0	12.1	
461.174	36.8	QP	18.1	-20.9	34.0	262	100	Vert.	46.0	12.0	
461.196	36.8	QP	18.1	-20.9	34.0	155	100	Hori.	46.0	12.0	
464.286	37.0	QP	18.1	-20.9	34.2	264	100	Vert.	46.0	11.8	
567.680	24.9	QP	19.4	-20.3	24.0	0	164	Hori.	46.0	22.0	
567.644	24.8	QP	19.4	-20.3	23.9	320	100	Vert.	46.0	22.1	

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

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

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

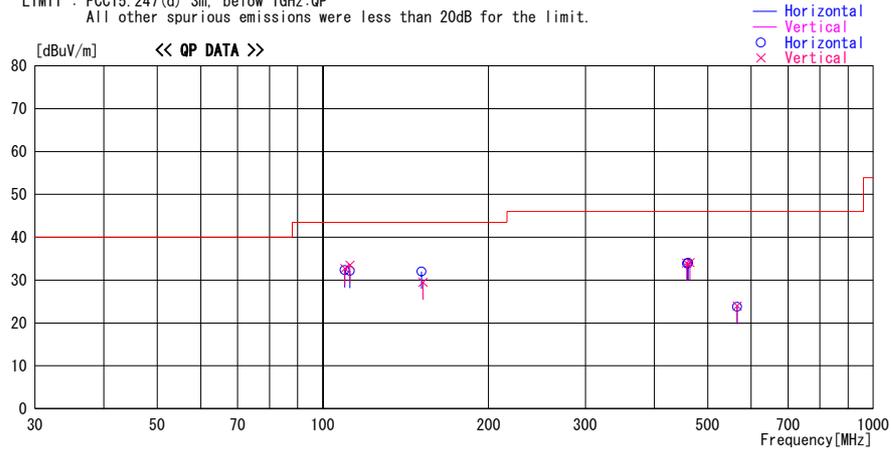
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2009/04/03

Company : Sony Corporation  
Kind of EUT : Remote Commander  
Model No. : AIR-RM10  
Serial No. : 63  
Report No. : 29GE0040-HO-01  
Power : DC 6.0V  
Temp./Humi. : 24deg. C. / 29%  
Engineer : Takayuki Shimada

Mode / Remarks : Transmitting Mode, 2437.85MHz, ANT:1, Worst-axis(H:Z-axis, V:Y-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP  
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]							
109.602	44.8	QP	11.3	-23.8	32.3	173	295	Hori.	43.5	11.2	
109.625	45.2	QP	11.3	-23.8	32.7	186	100	Vert.	43.5	10.8	
111.967	44.2	QP	11.7	-23.7	32.2	172	291	Hori.	43.5	11.3	
111.985	45.5	QP	11.7	-23.7	33.5	129	100	Vert.	43.5	10.0	
151.036	40.7	QP	14.6	-23.3	32.0	0	213	Hori.	43.5	11.5	
152.019	38.1	QP	14.7	-23.3	29.5	111	100	Vert.	43.5	14.0	
458.246	36.8	QP	18.1	-20.9	34.0	260	100	Vert.	46.0	12.0	
459.190	36.7	QP	18.1	-20.9	33.9	0	100	Hori.	46.0	12.1	
461.106	36.8	QP	18.1	-20.9	34.0	160	100	Hori.	46.0	12.0	
464.476	36.9	QP	18.1	-20.9	34.1	262	100	Vert.	46.0	11.9	
565.860	24.7	QP	19.4	-20.3	23.8	186	100	Hori.	46.0	22.2	
565.860	24.9	QP	19.4	-20.3	24.0	5	100	Vert.	46.0	22.0	

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)**  
**Antenna 1, Tx, Ch: High**

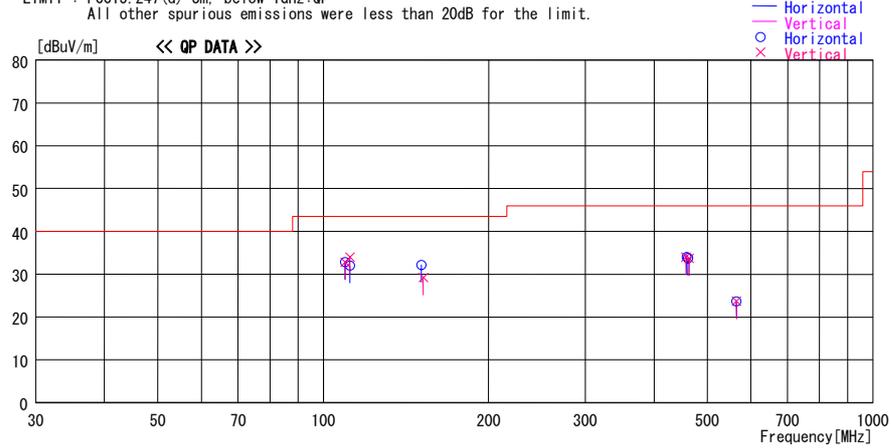
**DATA OF RADIATED EMISSION TEST**

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2009/04/03

Company : Sony Corporation  
Kind of EUT : Remote Commander  
Model No. : AIR-RM10  
Serial No. : 63  
Report No. : 29GE0040-HO-01  
Power : DC 6.0V  
Temp./Humi. : 24deg. C. / 29%  
Engineer : Takayuki Shimada

Mode / Remarks : Transmitting Mode, 2463.85MHz, ANT:1, Worst-axis(H:Z-axis, V:Y-axis)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP  
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]							
109.623	45.3	QP	11.3	-23.8	32.8	168	298	Hori.	43.5	10.7	
109.625	45.3	QP	11.3	-23.8	32.8	189	100	Vert.	43.5	10.7	
111.878	44.0	QP	11.7	-23.7	32.0	174	291	Hori.	43.5	11.5	
111.883	46.0	QP	11.7	-23.7	34.0	133	100	Vert.	43.5	9.5	
150.898	40.9	QP	14.6	-23.3	32.2	0	210	Hori.	43.5	11.3	
152.003	37.8	QP	14.7	-23.3	29.2	110	100	Vert.	43.5	14.3	
458.264	36.8	QP	18.1	-20.9	34.0	160	100	Hori.	46.0	12.0	
457.206	36.9	QP	18.0	-20.9	34.0	262	100	Vert.	46.0	12.0	
461.378	36.6	QP	18.1	-20.9	33.8	153	100	Hori.	46.0	12.2	
463.478	36.5	QP	18.1	-20.9	33.7	250	100	Vert.	46.0	12.3	
564.906	24.7	QP	19.3	-20.3	23.7	0	166	Hori.	46.0	22.3	
564.906	24.7	QP	19.3	-20.3	23.7	310	100	Vert.	46.0	22.3	

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

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

**Radiated Spurious Emission (below 1GHz)**  
**Antenna 2, Tx, Ch: Low**

**DATA OF RADIATED EMISSION TEST**

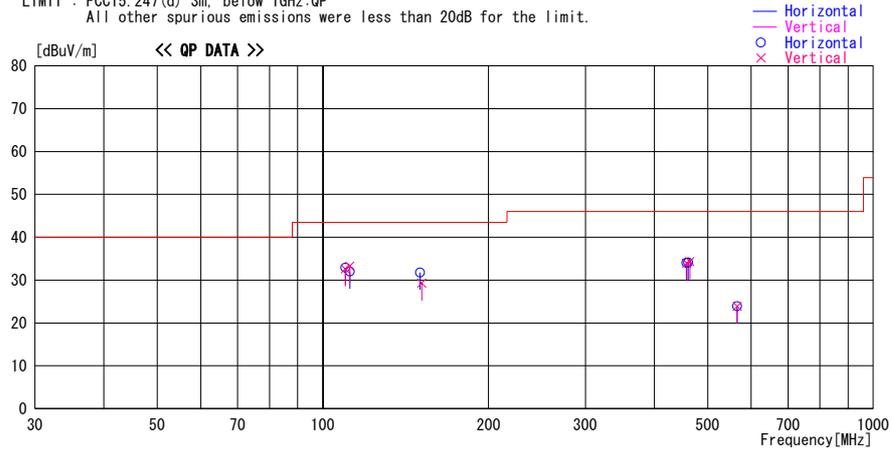
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2009/04/03

Company : Sony Corporation  
Kind of EUT : Remote Commander  
Model No. : AIR-RM10  
Serial No. : 63  
Report No. : 29GE0040-HO-01  
Power : DC 6.0V  
Temp./Humi. : 24deg. C. / 29%  
Engineer : Takayuki Shimada

Mode / Remarks : Transmitting Mode, 2411.85MHz, ANT:2, Worst-axis(H:Z-axis, V:Y-axis)

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

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]							
109.833	45.4	QP	11.3	-23.8	32.9	170	295	Hori.	43.5	10.6	
109.820	45.1	QP	11.3	-23.8	32.6	185	100	Vert.	43.5	10.9	
111.953	44.0	QP	11.7	-23.7	32.0	174	291	Hori.	43.5	11.5	
111.953	45.3	QP	11.7	-23.7	33.3	129	100	Vert.	43.5	10.2	
150.095	40.5	QP	14.6	-23.3	31.8	0	210	Hori.	43.5	11.7	
151.205	38.0	QP	14.6	-23.3	29.3	105	100	Vert.	43.5	14.2	
457.695	36.9	QP	18.0	-20.9	34.0	158	100	Hori.	46.0	12.0	
458.269	36.8	QP	18.1	-20.9	34.0	259	100	Vert.	46.0	12.0	
461.392	36.9	QP	18.1	-20.9	34.1	155	100	Hori.	46.0	11.9	
464.292	37.1	QP	18.1	-20.9	34.3	260	100	Vert.	46.0	11.7	
565.858	24.8	QP	19.4	-20.3	23.9	0	165	Hori.	46.0	22.1	
565.858	24.8	QP	19.4	-20.3	23.9	318	100	Vert.	46.0	22.1	

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

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

**Radiated Spurious Emission (below 1GHz)**  
**Antenna 2, Tx, Ch: Mid**

**DATA OF RADIATED EMISSION TEST**

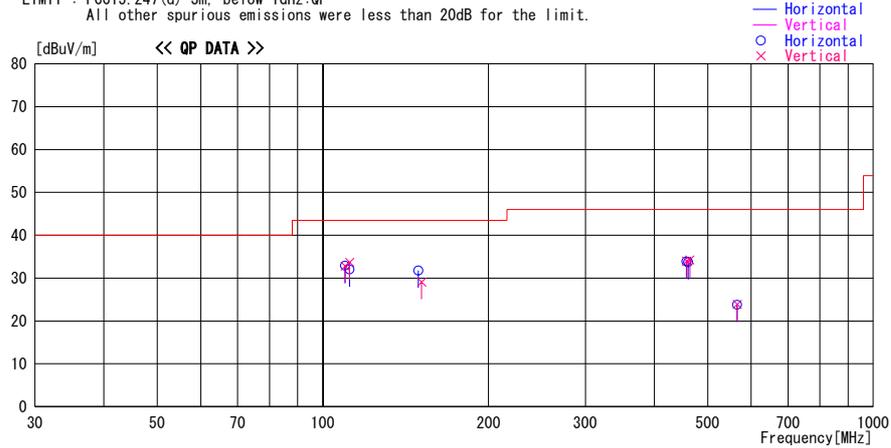
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2009/04/03

Company : Sony Corporation  
Kind of EUT : Remote Commander  
Model No. : AIR-RM10  
Serial No. : 63  
Report No. : 29GE0040-HO-01  
Power : DC 6.0V  
Temp./Humi. : 24deg. C. / 29%  
Engineer : Takayuki Shimada

Mode / Remarks : Transmitting Mode, 2437.85MHz, ANT:2, Worst-axis(H:Z-axis, V:Y-axis)

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

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]							
109.755	45.4	QP	11.3	-23.8	32.9	168	300	Hori.	43.5	10.6	
109.758	45.3	QP	11.3	-23.8	32.8	185	100	Vert.	43.5	10.7	
111.820	44.0	QP	11.7	-23.7	32.0	174	290	Hori.	43.5	11.5	
111.822	45.7	QP	11.7	-23.7	33.7	130	100	Vert.	43.5	9.8	
149.023	40.7	QP	14.5	-23.4	31.8	0	214	Hori.	43.5	11.7	
151.085	37.8	QP	14.6	-23.3	29.1	111	100	Vert.	43.5	14.4	
457.695	36.8	QP	18.0	-20.9	33.9	0	100	Hori.	46.0	12.1	
458.267	36.8	QP	18.1	-20.9	34.0	260	100	Vert.	46.0	12.0	
461.388	36.5	QP	18.1	-20.9	33.7	158	100	Hori.	46.0	12.3	
464.295	37.0	QP	18.1	-20.9	34.2	264	100	Vert.	46.0	11.8	
565.854	24.7	QP	19.4	-20.3	23.8	0	164	Hori.	46.0	22.2	
565.854	24.8	QP	19.4	-20.3	23.9	319	100	Vert.	46.0	22.1	

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

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

**Radiated Spurious Emission (below 1GHz)**  
**Antenna 2, Tx, Ch: High**

**DATA OF RADIATED EMISSION TEST**

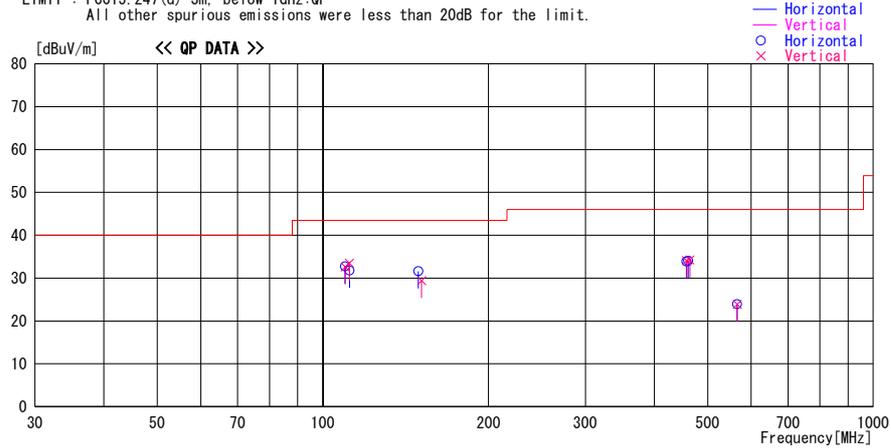
UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber  
Date : 2009/04/03

Company : Sony Corporation  
Kind of EUT : Remote Commander  
Model No. : AIR-RM10  
Serial No. : 63  
Report No. : 29GE0040-HO-01  
Power : DC 6.0V  
Temp./Humi. : 24deg. C. / 29%  
Engineer : Takayuki Shimada

Mode / Remarks : Transmitting Mode, 2463.85MHz, ANT:2, Worst-axis(H:Z-axis, V:Y-axis)

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

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]							
109.732	45.2	QP	11.3	-23.8	32.7	166	299	Hori.	43.5	10.8	
109.733	45.1	QP	11.3	-23.8	32.6	188	100	Vert.	43.5	10.9	
111.811	43.8	QP	11.7	-23.7	31.8	172	288	Hori.	43.5	11.7	
111.815	45.5	QP	11.7	-23.7	33.5	130	100	Vert.	43.5	10.0	
149.021	40.5	QP	14.5	-23.4	31.6	0	220	Hori.	43.5	11.9	
151.093	38.1	QP	14.6	-23.3	29.4	115	100	Vert.	43.5	14.1	
457.689	36.8	QP	18.0	-20.9	33.9	0	100	Hori.	46.0	12.1	
458.267	36.9	QP	18.1	-20.9	34.1	258	100	Vert.	46.0	11.9	
461.392	36.8	QP	18.1	-20.9	34.0	155	100	Hori.	46.0	12.0	
464.294	37.0	QP	18.1	-20.9	34.2	259	100	Vert.	46.0	11.8	
565.849	24.8	QP	19.4	-20.3	23.9	0	165	Hori.	46.0	22.1	
565.849	24.8	QP	19.4	-20.3	23.9	320	100	Vert.	46.0	22.1	

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

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

**Radiated Spurious Emission (above 1GHz)**  
**Antenna 1, Tx, Ch: Low**

UL Japan, Inc.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	Sony Corporation	REPORT NO	29GE0040-HO-01
Equipment	Remote Commander	REGULATION	FCC15.247(d)/RSS-210A8.5
Model	AIR-RM10	TEST DISTANCE	3/1m
S/N	63	DATE	03/30/2009      03/31/2009
Power	DC 6.0V	TEMPERATURE	23deg.C      24deg.C
Mode	Tx 2411.85MHz, Antenna 1	HUMIDITY	40%
Position	Hor Y , Ver Z-axis	ENGINEER	Hironobu Ohnishi      Hironobu Ohnishi (below 10GHz)      (above 10GHz)

**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	2257.0	66.6	64.1	26.8	32.5	2.6	0.0	63.5	61.0	73.9	10.4	12.9
2	2310.0	52.0	49.4	27.0	32.5	2.6	0.0	49.1	46.5	73.9	24.8	27.4
3	2390.0	71.1	70.0	27.1	32.4	2.6	0.0	68.4	67.3	73.9	5.5	6.6
4**	2400.0	70.8	71.6	27.1	32.4	2.6	0.0	68.1	68.9	-	-	-
5	2564.8	56.1	56.0	27.5	32.3	2.7	0.0	54.0	53.9	73.9	19.9	20.0
6	3215.7	45.2	45.3	28.6	32.0	3.1	0.0	44.9	45.0	73.9	29.0	28.9
7	4823.7	51.8	51.5	31.3	31.4	3.6	0.1	55.4	55.1	73.9	18.5	18.8
8	7235.6	48.3	48.5	35.6	31.2	4.0	0.5	57.2	57.4	73.9	16.7	16.5
9	9647.4	40.0	41.2	38.4	32.0	4.7	0.7	51.8	53.0	73.9	22.1	20.9
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
10	12059.3	NS	NS	-	-	-	-	-	-	73.9	-	-
11	12863.0	42.3	44.3	39.3	29.9	5.6	0.6	48.4	50.4	73.9	25.5	23.5
12	14471.1	NS	NS	-	-	-	-	-	-	73.9	-	-
13	16883.0	NS	NS	-	-	-	-	-	-	73.9	-	-
14	19294.8	42.2	40.8	40.4	30.2	6.8	0.0	49.7	48.3	73.9	24.2	25.6
15	21706.7	NS	NS	-	-	-	-	-	-	73.9	-	-
16	24118.5	44.0	43.3	40.4	29.0	7.9	0.0	53.8	53.1	73.9	20.1	20.8

**AV DETECT** (RBW: 1MHz, VBW: 430Hz)

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	2257.0	44.6	41.8	26.8	32.5	2.6	0.0	41.5	38.7	53.9	12.4	15.2
2	2310.0	35.3	33.2	27.0	32.5	2.6	0.0	32.4	30.3	53.9	21.5	23.6
3	2390.0	38.4	37.1	27.1	32.4	2.6	0.0	35.7	34.4	53.9	18.2	19.5
4**	2400.0	45.2	46.0	27.1	32.4	2.6	0.0	42.5	43.3	-	-	-
5	2564.8	37.6	38.4	27.5	32.3	2.7	0.0	35.5	36.3	53.9	18.4	17.6
6	3215.7	35.1	37.7	28.6	32.0	3.1	0.0	34.8	37.4	53.9	19.1	16.5
7	4823.7	35.0	34.9	31.3	31.4	3.6	0.1	38.6	38.5	53.9	15.3	15.4
8	7235.6	33.1	33.5	35.6	31.2	4.0	0.5	42.0	42.4	53.9	11.9	11.5
9	9647.4	27.6	27.1	38.4	32.0	4.7	0.7	39.4	38.9	53.9	14.5	15.0
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
10	12059.3	NS	NS	-	-	-	-	-	-	53.9	-	-
11	12863.0	37.3	40.2	39.3	29.9	5.6	0.6	43.4	46.3	53.9	10.5	7.6
12	14471.1	NS	NS	-	-	-	-	-	-	53.9	-	-
13	16883.0	NS	NS	-	-	-	-	-	-	53.9	-	-
14	19294.8	31.7	27.0	40.4	30.2	6.8	0.0	39.2	34.5	53.9	14.7	19.4
15	21706.7	NS	NS	-	-	-	-	-	-	53.9	-	-
16	24118.5	30.5	30.1	40.4	29.0	7.9	0.0	40.3	39.9	53.9	13.6	14.0

\*\* Reference data (Refer to next page(20dBc data sheet))

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.

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

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

\*NS: No detect signal.

**Radiated Spurious Emission (above 1GHz)**  
**Antenna 1, Tx, Ch: Low**  
**(20dBc data sheet)**

UL Japan, Inc.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	Sony Corporation	REPORT NO	29GE0040-HO-01
Equipment	Remote Commander	REGULATION	FCC15.247(d)/RSS-210A8.5
Model	AIR-RM10	TEST DISTANCE	3m
S/N	63	DATE	03/30/2009
Power	DC 6.0V	TEMPERATURE	23deg.C
Mode	Tx 2411.85MHz, Antenna 1	HUMIDITY	40%
Position	Hor Y , Ver Z-axis	ENGINEER	Hironobu Ohnishi

**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					HOR [dBuV/m]	VER		HOR [dB]	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
0	2411.85	72.9	73.1	27.2	0.0	2.6	0.0	102.7	102.9	-	-	-
4	2400.00	61.9	62.8	27.1	32.4	2.6	0.0	59.2	60.1	Funda-20dB	23.5	22.8

\*The test result is rounded off to one or two decimal places, so some differences might be observed.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

**Radiated Spurious Emission (above 1GHz)**  
**Antenna 1, Tx, Ch: Mid**

UL Japan, Inc.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	Sony Corporation	REPORT NO	29GE0040-HO-01
Equipment	Remote Commander	REGULATION	FCC15.247(d)/RSS-210A8.5
Model	AIR-RM10	TEST DISTANCE	3/1m
S/N	63	DATE	03/30/2009      03/31/2009
Power	DC 6.0V	TEMPERATURE	23deg.C      24deg.C
Mode	Tx 2437.85MHz, Antenna 1	HUMIDITY	40%      42%
Position	Hor Y , Ver Z-axis	ENGINEER	Hironobu Ohnishi      Hironobu Ohnishi (below 10GHz)      (above 10GHz)

**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	2282.9	66.7	66.1	26.9	32.5	2.6	0.0	63.7	63.1	73.9	10.2	10.8
2	2591.1	54.5	53.9	27.6	32.3	2.7	0.0	52.5	51.9	73.9	21.4	22.0
3	3250.4	44.5	44.5	28.6	32.0	3.1	0.0	44.2	44.2	73.9	29.7	29.7
4	4875.7	53.9	54.2	31.3	31.3	3.7	0.1	57.7	58.0	73.9	16.2	15.9
5	6500.8	44.1	44.8	34.0	31.1	4.0	0.6	51.6	52.3	73.9	22.3	21.6
6	7313.6	45.9	45.9	35.8	31.2	4.0	0.5	55.0	55.0	73.9	18.9	18.9
7	9751.4	40.5	40.8	38.5	32.0	4.7	0.7	52.4	52.7	73.9	21.5	21.2
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
8	12189.3	NS	NS	-	-	-	-	-	-	73.9	-	-
9	13001.7	41.7	42.6	39.4	29.8	5.7	0.6	48.1	49.0	73.9	25.8	24.9
10	14627.1	NS	NS	-	-	-	-	-	-	73.9	-	-
11	17065.0	NS	NS	-	-	-	-	-	-	73.9	-	-
12	19502.8	39.4	38.5	40.4	30.2	6.9	0.0	47.0	46.1	73.9	26.9	27.8
13	21940.7	NS	NS	-	-	-	-	-	-	73.9	-	-
14	24378.5	43.5	43.8	40.4	28.9	8.0	0.0	53.5	53.8	73.9	20.4	20.1

**AV DETECT** (RBW: 1MHz, VBW: 430Hz)

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	2282.9	43.5	44.4	26.9	32.5	2.6	0.0	40.5	41.4	53.9	13.4	12.5
2	2591.1	37.6	38.1	27.6	32.3	2.7	0.0	35.6	36.1	53.9	18.3	17.8
3	3250.4	35.1	36.2	28.6	32.0	3.1	0.0	34.8	35.9	53.9	19.1	18.0
4	4875.7	36.1	36.4	31.3	31.3	3.7	0.1	39.9	40.2	53.9	14.0	13.7
5	6500.8	35.6	37.7	34.0	31.1	4.0	0.6	43.1	45.2	53.9	10.8	8.7
6	7313.6	32.1	31.9	35.8	31.2	4.0	0.5	41.2	41.0	53.9	12.7	12.9
7	9751.4	27.6	27.4	38.5	32.0	4.7	0.7	39.5	39.3	53.9	14.4	14.6
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
8	12189.3	NS	NS	-	-	-	-	-	-	53.9	-	-
9	13001.7	36.1	38.4	39.4	29.8	5.7	0.6	42.5	44.8	53.9	11.4	9.1
10	14627.1	NS	NS	-	-	-	-	-	-	53.9	-	-
11	17065.0	NS	NS	-	-	-	-	-	-	53.9	-	-
12	19502.8	30.9	27.7	40.4	30.2	6.9	0.0	38.5	35.3	53.9	15.4	18.6
13	21940.7	NS	NS	-	-	-	-	-	-	53.9	-	-
14	24378.5	31.8	31.5	40.4	28.9	8.0	0.0	41.8	41.5	53.9	12.1	12.4

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.

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

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

\*NS: No detect signal.

**Radiated Spurious Emission (above 1GHz)**  
**Antenna 1, Tx, Ch: High**

UL Japan, Inc.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	Sony Corporation	REPORT NO	29GE0040-HO-01
Equipment	Remote Commander	REGULATION	FCC15.247(d)/RSS-210A8.5
Model	AIR-RM10	TEST DISTANCE	3/1m
S/N	63	DATE	03/30/2009      03/31/2009
Power	DC 6.0V	TEMPERATURE	23deg.C      24deg.C
Mode	Tx 2463.85MHz, Antenna 1	HUMIDITY	40%      42%
Position	Hor Y , Ver Z-axis	ENGINEER	Hironobu Ohnishi      Hironobu Ohnishi (below 10GHz)      (above 10GHz)

**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	2310.0	68.3	65.9	27.0	32.5	2.6	0.0	65.4	63.0	73.9	8.5	10.9
2	2483.5	62.0	63.7	27.3	32.4	2.7	0.0	59.6	61.3	73.9	14.3	12.6
3	2617.2	52.7	52.0	27.6	32.3	2.7	0.0	50.7	50.0	73.9	23.2	23.9
4	3285.1	43.2	43.5	28.6	32.0	3.1	0.0	42.9	43.2	73.9	31.0	30.7
5	4927.7	53.5	54.0	31.4	31.3	3.7	0.0	57.3	57.8	73.9	16.6	16.1
6	6570.2	44.8	43.9	34.2	31.1	4.0	0.6	52.5	51.6	73.9	21.4	22.3
7	7391.6	41.0	42.0	35.9	31.2	4.1	0.5	50.3	51.3	73.9	23.6	22.6
8	9855.4	40.3	40.8	38.7	32.0	4.7	0.7	52.4	52.9	73.9	21.5	21.0
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
9	12319.3	NS	NS	-	-	-	-	-	-	73.9	-	-
10	13140.3	42.1	42.7	39.7	29.8	5.7	0.6	48.8	49.4	73.9	25.1	24.5
11	14783.1	NS	NS	-	-	-	-	-	-	73.9	-	-
12	17247.0	NS	NS	-	-	-	-	-	-	73.9	-	-
13	19710.8	38.9	38.7	40.5	30.1	6.9	0.0	46.7	46.5	73.9	27.2	27.4
14	22174.7	NS	NS	-	-	-	-	-	-	73.9	-	-
15	24638.5	42.1	41.5	40.4	28.9	8.2	0.0	52.3	51.7	73.9	21.6	22.2

**AV DETECT** (RBW: 1MHz, VBW: 430Hz)

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	2310.0	45.5	43.0	27.0	32.5	2.6	0.0	42.6	40.1	53.9	11.3	13.8
2	2483.5	35.6	36.4	27.3	32.4	2.7	0.0	33.2	34.0	53.9	20.7	19.9
3	2617.2	36.5	35.3	27.6	32.3	2.7	0.0	34.5	33.3	53.9	19.4	20.6
4	3285.1	34.7	35.9	28.6	32.0	3.1	0.0	34.4	35.6	53.9	19.5	18.3
5	4927.7	35.9	35.7	31.4	31.3	3.7	0.0	39.7	39.5	53.9	14.2	14.4
6	6570.2	36.8	38.1	34.2	31.1	4.0	0.6	44.5	45.8	53.9	9.4	8.1
7	7391.6	30.2	29.0	35.9	31.2	4.1	0.5	39.5	38.3	53.9	14.4	15.6
8	9855.4	28.4	28.6	38.7	32.0	4.7	0.7	40.5	40.7	53.9	13.4	13.2
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
9	12319.3	NS	NS	-	-	-	-	-	-	53.9	-	-
10	13140.3	35.8	37.1	39.7	29.8	5.7	0.6	42.5	43.8	53.9	11.4	10.1
11	14783.1	NS	NS	-	-	-	-	-	-	53.9	-	-
12	17247.0	NS	NS	-	-	-	-	-	-	53.9	-	-
13	19710.8	30.9	27.9	40.5	30.1	6.9	0.0	38.7	35.7	53.9	15.2	18.2
14	22174.7	NS	NS	-	-	-	-	-	-	53.9	-	-
15	24638.5	30.4	30.5	40.4	28.9	8.2	0.0	40.6	40.7	53.9	13.3	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.

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

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

\*NS: No detect signal.

**Radiated Spurious Emission (above 1GHz)**  
**Antenna 2, Tx, Ch: Low**

UL Japan, Inc.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	Sony Corporation	REPORT NO	29GE0040-HO-01
Equipment	Remote Commander	REGULATION	FCC15.247(d)/RSS-210A8.5
Model	AIR-RM10	TEST DISTANCE	3/1m
S/N	63	DATE	03/31/2009
Power	DC 6.0V	TEMPERATURE	24deg.C
Mode	Tx 2411.85MHz, Antenna 2	HUMIDITY	42%
Position	Hor X , Ver Y-axis	ENGINEER	Hironobu Ohnishi

**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]			
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	2257.2	71.4	65.6	26.8	32.5	2.6	0.0	68.3	62.5	73.9	5.6	11.4
2	2390.0	65.2	61.1	27.1	32.4	2.6	0.0	62.5	58.4	73.9	11.4	15.5
3**	2400.0	68.9	65.4	27.1	32.4	2.6	0.0	66.2	62.7	-	-	-
4	2565.1	51.3	47.5	27.5	32.3	2.7	0.0	49.2	45.4	73.9	24.7	28.5
5	3215.7	47.1	47.3	28.6	32.0	3.1	0.0	46.8	47.0	73.9	27.1	26.9
6	4823.7	51.5	56.0	31.3	31.4	3.6	0.1	55.1	59.6	73.9	18.8	14.3
7	6431.5	44.1	45.8	33.8	31.1	4.0	0.6	51.4	53.1	73.9	22.5	20.8
8	7235.6	40.1	41.2	35.6	31.2	4.0	0.5	49.0	50.1	73.9	24.9	23.8
9	9647.4	40.3	40.8	38.4	32.0	4.7	0.7	52.1	52.6	73.9	21.8	21.3
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
10	12059.3	NS	NS	-	-	-	-	-	-	73.9	-	-
11	12863.0	43.6	42.2	39.3	29.9	5.6	0.6	49.7	48.3	73.9	24.2	25.6
12	14471.1	NS	NS	-	-	-	-	-	-	73.9	-	-
13	16883.0	NS	NS	-	-	-	-	-	-	73.9	-	-
14	19294.8	39.1	38.3	40.4	30.2	6.8	0.0	46.6	45.8	73.9	27.3	28.1
15	21706.7	NS	NS	-	-	-	-	-	-	73.9	-	-
16	24118.5	42.0	42.8	40.4	29.0	7.9	0.0	51.8	52.6	73.9	22.1	21.3

**AV DETECT** (RBW: 1MHz, VBW: 430Hz)

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]			
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	2257.2	46.1	43.0	26.8	32.5	2.6	0.0	43.0	39.9	53.9	10.9	14.0
2	2390.0	33.7	32.3	27.1	32.4	2.6	0.0	31.0	29.6	53.9	22.9	24.3
3**	2400.0	44.9	42.9	27.1	32.4	2.6	0.0	42.2	40.2	-	-	-
4	2565.1	35.2	32.6	27.5	32.3	2.7	0.0	33.1	30.5	53.9	20.8	23.4
5	3215.7	41.2	42.4	28.6	32.0	3.1	0.0	40.9	42.1	53.9	13.0	11.8
6	4823.7	34.7	37.5	31.3	31.4	3.6	0.1	38.3	41.1	53.9	15.6	12.8
7	6431.5	37.8	41.1	33.8	31.1	4.0	0.6	45.1	48.4	53.9	8.8	5.5
8	7235.6	27.5	27.8	35.6	31.2	4.0	0.5	36.4	36.7	53.9	17.5	17.2
9	9647.4	27.4	27.3	38.4	32.0	4.7	0.7	39.2	39.1	53.9	14.7	14.8
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
10	12059.3	NS	NS	-	-	-	-	-	-	53.9	-	-
11	12863.0	37.9	35.3	39.3	29.9	5.6	0.6	44.0	41.4	53.9	9.9	12.5
12	14471.1	NS	NS	-	-	-	-	-	-	53.9	-	-
13	16883.0	NS	NS	-	-	-	-	-	-	53.9	-	-
14	19294.8	27.7	28.2	40.4	30.2	6.8	0.0	35.2	35.7	53.9	18.7	18.2
15	21706.7	NS	NS	-	-	-	-	-	-	53.9	-	-
16	24118.5	31.0	30.9	40.4	29.0	7.9	0.0	40.8	40.7	53.9	13.1	13.2

\*\* Reference data (Refer to next page(20dBc data sheet))

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.

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

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

\*NS: No detect signal.

**Radiated Spurious Emission (above 1GHz)**  
**Antenna 2, Tx, Ch: Low**  
**(20dBc data sheet)**

UL Japan, Inc.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	Sony Corporation	REPORT NO	29GE0040-HO-01
Equipment	Remote Commander	REGULATION	FCC15.247(d)/RSS-210A8.5
Model	AIR-RM10	TEST DISTANCE	3m
S/N	63	DATE	03/31/2009
Power	DC 6.0V	TEMPERATURE	24deg.C
Mode	Tx 2411.85MHz, Antenna 2	HUMIDITY	42%
Position	Hor X , Ver Y-axis	ENGINEER	Hironobu Ohnishi

**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					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
0	2411.85	67.2	64.0	27.2	0.0	2.6	0.0	97.0	93.8	-	-	-
3	2400.00	61.5	58.0	27.1	32.4	2.6	0.0	58.8	55.3	Funda-20dB	18.2	18.5

\*The test result is rounded off to one or two decimal places, so some differences might be observed.  
\*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

**Radiated Spurious Emission (above 1GHz)**  
**Antenna 2, Tx, Ch: Mid**

UL Japan, Inc.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	Sony Corporation	REPORT NO	29GE0040-HO-01
Equipment	Remote Commander	REGULATION	FCC15.247(d)/RSS-210A8.5
Model	AIR-RM10	TEST DISTANCE	3/1m
S/N	63	DATE	03/31/2009
Power	DC 6.0V	TEMPERATURE	24deg.C
Mode	Tx 2437.85MHz, Antenna 2	HUMIDITY	42%
Position	Hor X , Ver Y-axis	ENGINEER	Hironobu Ohnishi

**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	2283.1	70.3	67.0	26.9	32.5	2.6	0.0	67.3	64.0	73.9	6.6	9.9
2	2591.1	50.4	46.8	27.6	32.3	2.7	0.0	48.4	44.8	73.9	25.5	29.1
3	3250.4	47.2	47.0	28.6	32.0	3.1	0.0	46.9	46.7	73.9	27.0	27.2
4	4875.7	49.7	54.4	31.3	31.3	3.7	0.1	53.5	58.2	73.9	20.4	15.7
5	6500.8	45.0	45.2	34.0	31.1	4.0	0.6	52.5	52.7	73.9	21.4	21.2
6	7313.6	40.4	40.7	35.8	31.2	4.0	0.5	49.5	49.8	73.9	24.4	24.1
7	9751.4	40.6	40.6	38.5	32.0	4.7	0.7	52.5	52.5	73.9	21.4	21.4
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
8	12189.3	NS	NS	-	-	-	-	-	-	73.9	-	-
9	13001.7	42.2	42.1	39.4	29.8	5.7	0.6	48.6	48.5	73.9	25.3	25.4
10	14627.1	NS	NS	-	-	-	-	-	-	73.9	-	-
11	17065.0	NS	NS	-	-	-	-	-	-	73.9	-	-
12	19502.8	38.5	39.5	40.4	30.2	6.9	0.0	46.1	47.1	73.9	27.8	26.8
13	21940.7	NS	NS	-	-	-	-	-	-	73.9	-	-
14	24378.5	46.1	43.1	40.4	28.9	8.0	0.0	56.1	53.1	73.9	17.8	20.8

**AV DETECT** (RBW: 1MHz, VBW: 430Hz)

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	2282.9	45.5	43.7	26.9	32.5	2.6	0.0	42.5	40.7	53.9	11.4	13.2
2	2591.1	35.2	32.4	27.6	32.3	2.7	0.0	33.2	30.4	53.9	20.7	23.5
3	3250.4	41.5	42.0	28.6	32.0	3.1	0.0	41.2	41.7	53.9	12.7	12.2
4	4875.7	33.6	36.6	31.3	31.3	3.7	0.1	37.4	40.4	53.9	16.5	13.5
5	6500.8	38.3	40.0	34.0	31.1	4.0	0.6	45.8	47.5	53.9	8.1	6.4
6	7313.6	26.9	27.2	35.8	31.2	4.0	0.5	36.0	36.3	53.9	17.9	17.6
7	9751.4	27.4	27.8	38.5	32.0	4.7	0.7	39.3	39.7	53.9	14.6	14.2
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
8	12189.3	NS	NS	-	-	-	-	-	-	53.9	-	-
9	13001.7	36.7	33.7	39.4	29.8	5.7	0.6	43.1	40.1	53.9	10.8	13.8
10	14627.1	NS	NS	-	-	-	-	-	-	53.9	-	-
11	17065.0	NS	NS	-	-	-	-	-	-	53.9	-	-
12	19502.8	27.5	28.8	40.4	30.2	6.9	0.0	35.1	36.4	53.9	18.8	17.5
13	21940.7	NS	NS	-	-	-	-	-	-	53.9	-	-
14	24378.5	31.9	31.6	40.4	28.9	8.0	0.0	41.9	41.6	53.9	12.0	12.3

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.

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

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

\*NS: No detect signal.

**Radiated Spurious Emission (above 1GHz)**  
**Antenna 2, Tx, Ch: High**

UL Japan, Inc.  
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	Sony Corporation	REPORT NO	29GE0040-HO-01
Equipment	Remote Commander	REGULATION	FCC15.247(d)/RSS-210A8.5
Model	AIR-RM10	TEST DISTANCE	3/1m
S/N	63	DATE	03/31/2009
Power	DC 6.0V	TEMPERATURE	24deg.C
Mode	Tx 2463.85MHz, Antenna 2	HUMIDITY	42%
Position	Hor X , Ver Y-axis	ENGINEER	Hironobu Ohnishi

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

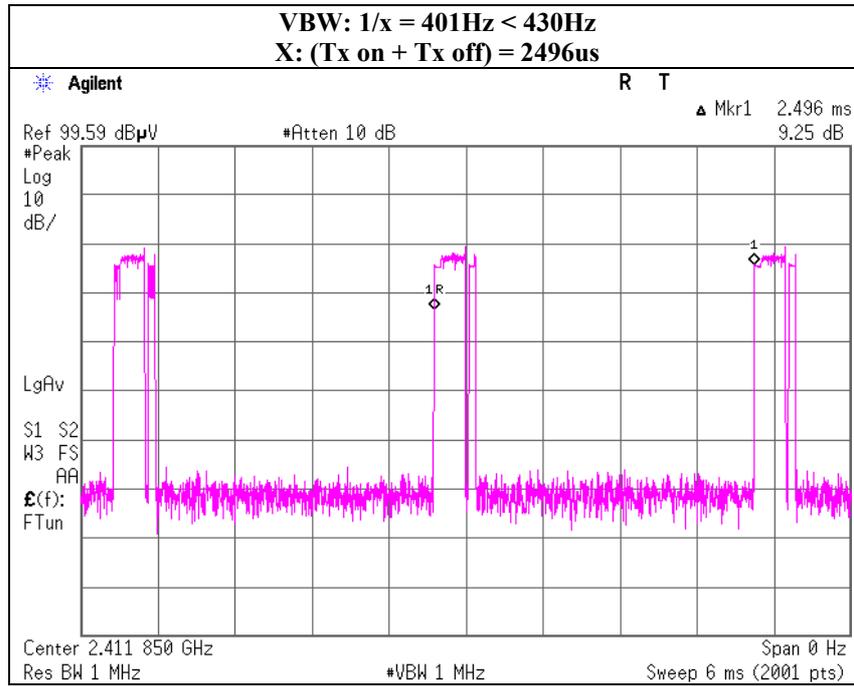
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	2310.0	68.9	66.2	27.0	32.5	2.6	0.0	66.0	63.3	73.9	7.9	10.6
2	2483.5	58.3	55.9	27.3	32.4	2.7	0.0	55.9	53.5	73.9	18.0	20.4
3	2617.1	50.2	45.3	27.6	32.3	2.7	0.0	48.2	43.3	73.9	25.7	30.6
4	3285.1	47.2	47.1	28.6	32.0	3.1	0.0	46.9	46.8	73.9	27.0	27.1
5	4927.7	48.8	52.1	31.4	31.3	3.7	0.0	52.6	55.9	73.9	21.3	18.0
6	6570.2	45.0	45.1	34.2	31.1	4.0	0.6	52.7	52.8	73.9	21.2	21.1
7	7391.6	40.3	40.3	35.9	31.2	4.1	0.5	49.6	49.6	73.9	24.3	24.3
8	9855.4	41.5	41.2	38.7	32.0	4.7	0.7	53.6	53.3	73.9	20.3	20.6
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
9	12319.3	NS	NS	-	-	-	-	-	-	73.9	-	-
10	13140.3	42.1	41.4	39.7	29.8	5.7	0.6	48.8	48.1	73.9	25.1	25.8
11	14783.1	NS	NS	-	-	-	-	-	-	73.9	-	-
12	17247.0	NS	NS	-	-	-	-	-	-	73.9	-	-
13	19710.8	39.2	38.1	40.5	30.1	6.9	0.0	47.0	45.9	73.9	26.9	28.0
14	22174.7	NS	NS	-	-	-	-	-	-	73.9	-	-
15	24638.5	41.3	41.3	40.4	28.9	8.2	0.0	51.5	51.5	73.9	22.4	22.4

**AV DETECT** (RBW: 1MHz, VBW: 430Hz)

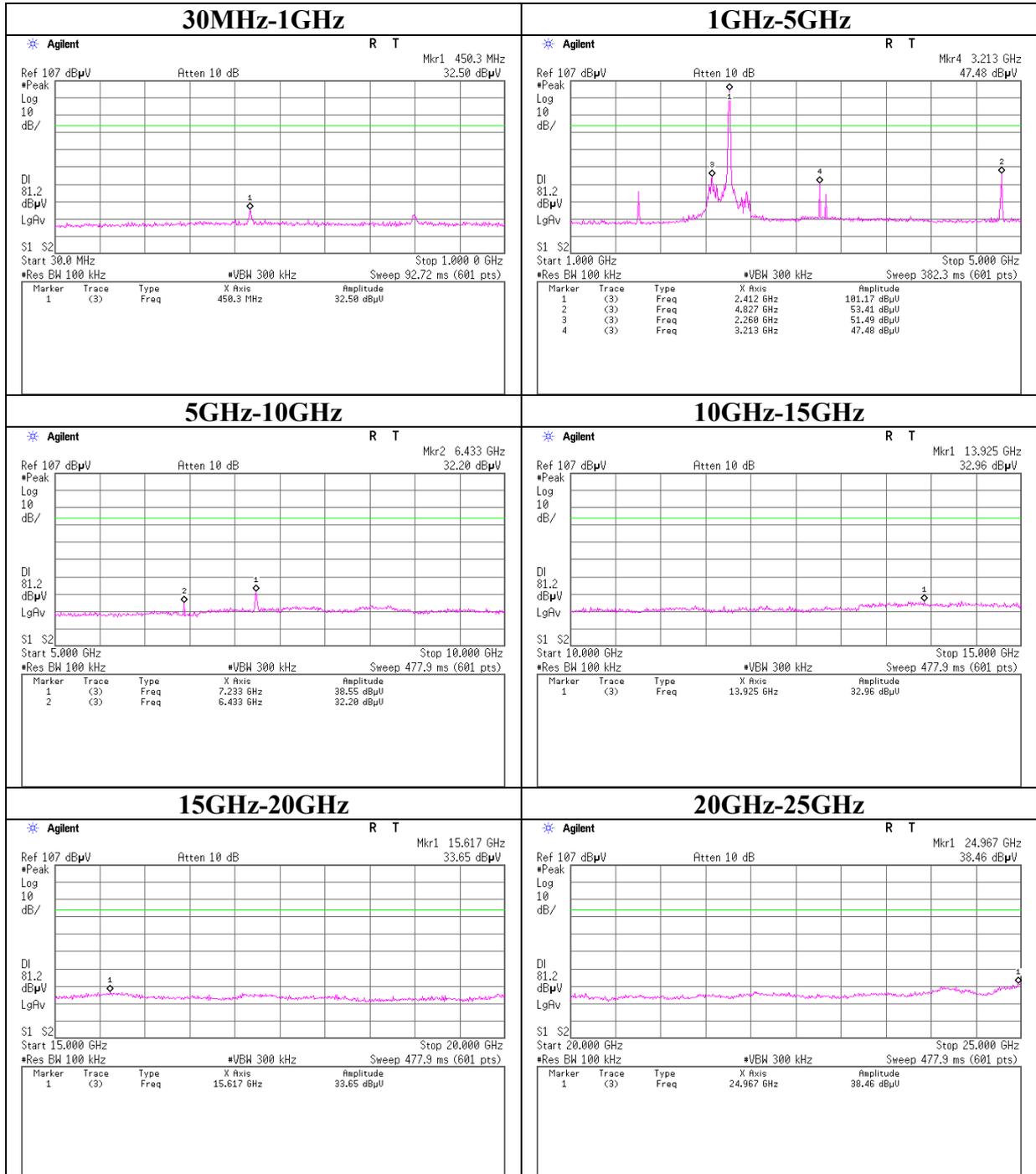
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
<b>Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss</b>												
1	2310.0	44.7	43.4	27.0	32.5	2.6	0.0	41.8	40.5	53.9	12.1	13.4
2	2483.5	32.5	31.5	27.3	32.4	2.7	0.0	30.1	29.1	53.9	23.8	24.8
3	2617.2	34.7	31.3	27.6	32.3	2.7	0.0	32.7	29.3	53.9	21.2	24.6
4	3285.1	41.4	42.2	28.6	32.0	3.1	0.0	41.1	41.9	53.9	12.8	12.0
5	4927.7	33.0	34.4	31.4	31.3	3.7	0.0	36.8	38.2	53.9	17.1	15.7
6	6570.2	38.6	39.2	34.2	31.1	4.0	0.6	46.3	46.9	53.9	7.6	7.0
7	7391.6	26.7	26.9	35.9	31.2	4.1	0.5	36.0	36.2	53.9	17.9	17.7
8	9855.4	28.1	29.1	38.7	32.0	4.7	0.7	40.2	41.2	53.9	13.7	12.7
<b>Test distance 1meter RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac</b>												
9	12319.3	NS	NS	-	-	-	-	-	-	53.9	-	-
10	13140.3	35.6	33.4	39.7	29.8	5.7	0.6	42.3	40.1	53.9	11.6	13.8
11	14783.1	NS	NS	-	-	-	-	-	-	53.9	-	-
12	17247.0	NS	NS	-	-	-	-	-	-	53.9	-	-
13	19710.8	27.9	27.9	40.5	30.1	6.9	0.0	35.7	35.7	53.9	18.2	18.2
14	22174.7	NS	NS	-	-	-	-	-	-	53.9	-	-
15	24638.5	30.5	30.2	40.4	28.9	8.2	0.0	40.7	40.4	53.9	13.2	13.5

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.  
\*The test result is rounded off to one or two decimal places, so some differences might be observed.  
\*Hi-Pass Filter was not used for factor 0.0dB of the above table.  
\*NS: No detect signal.

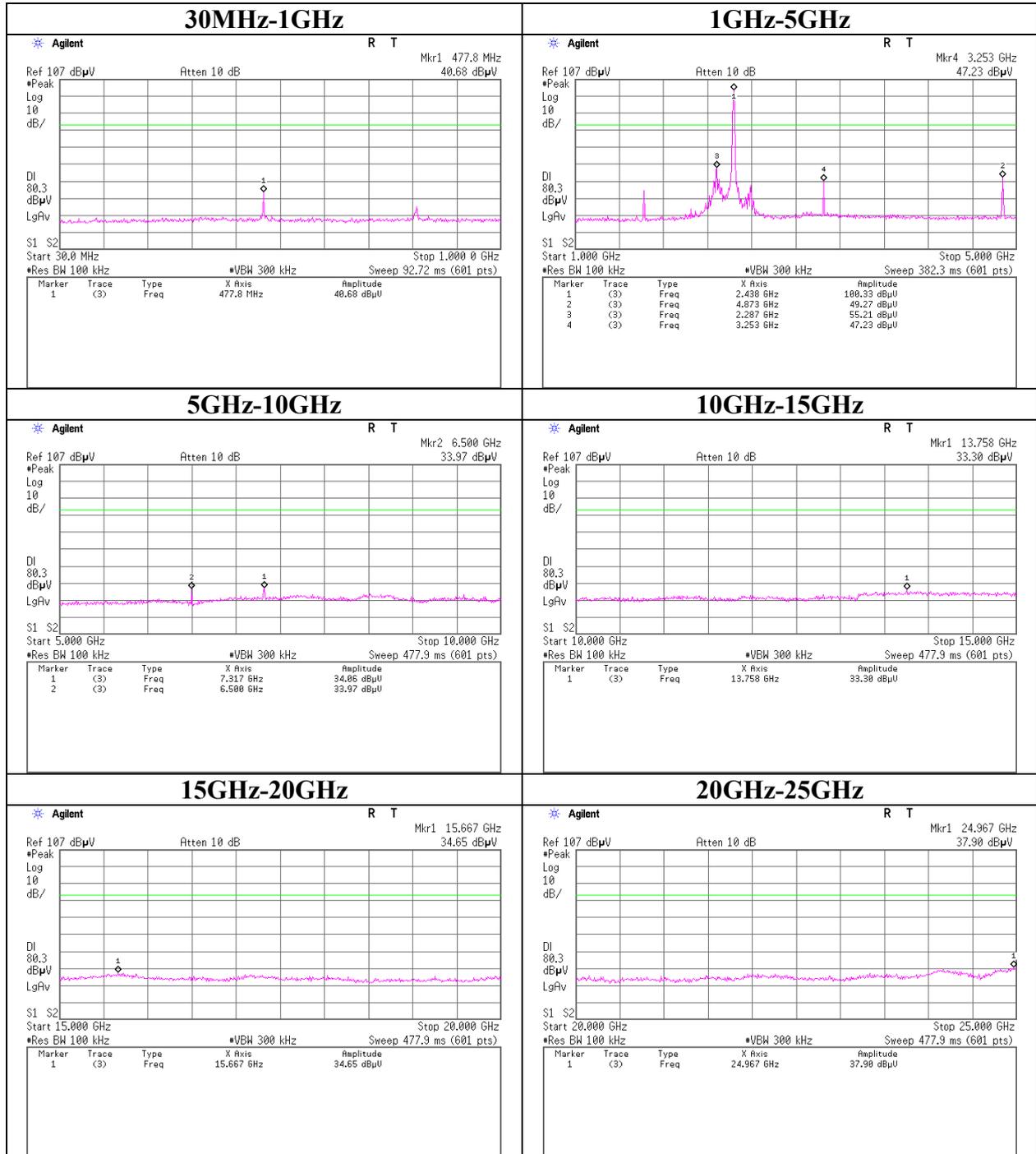
### VBW(AV) Calculation



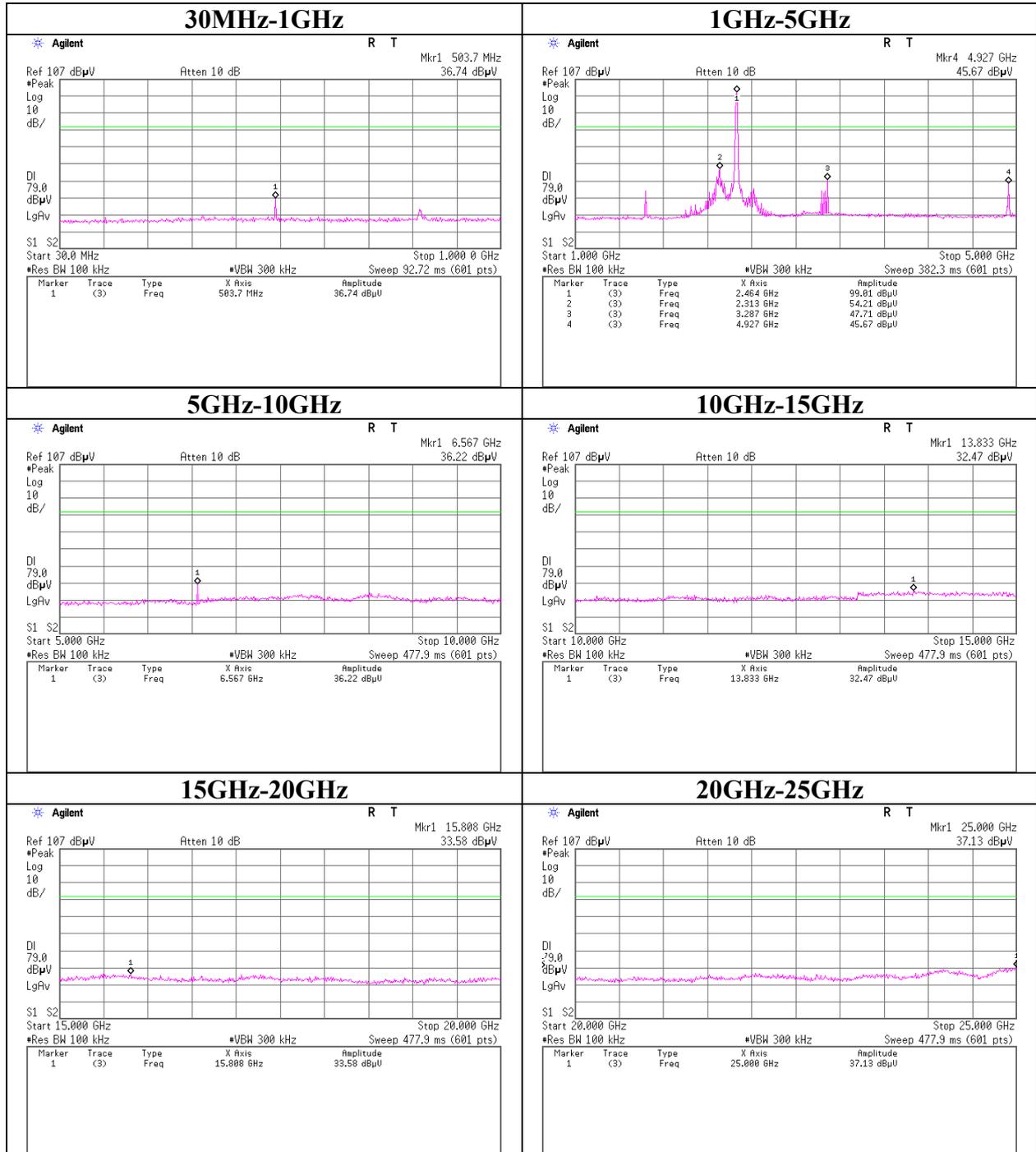
**Conducted Spurious Emission**  
**Tx, Ch: Low**  
**Antenna 1**



**Conducted Spurious Emission**  
**Tx, Ch: Mid**  
**Antenna 1**

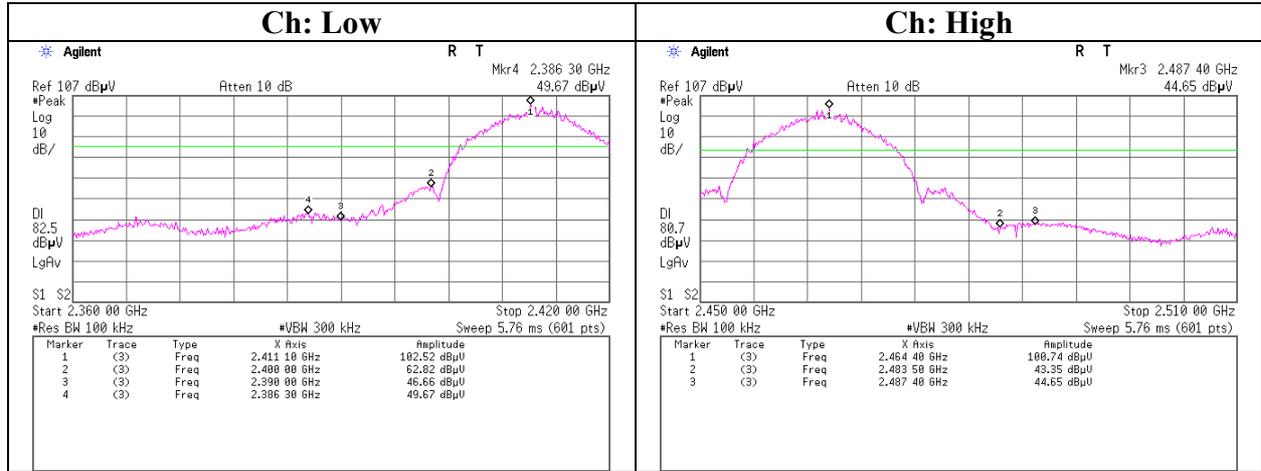


**Conducted Spurious Emission**  
**Tx, Ch: High**  
**Antenna 1**



**Conducted emission Band Edge compliance**

**Antenna 1**



### Power Density

Company : Sony Corporation  
Equipment : Remote Commander  
Model No. : AIR-RM10  
Serial No. : 64  
Power : DC 6.0V  
Mode : Tx (Ch L, M, H), Antenna 1

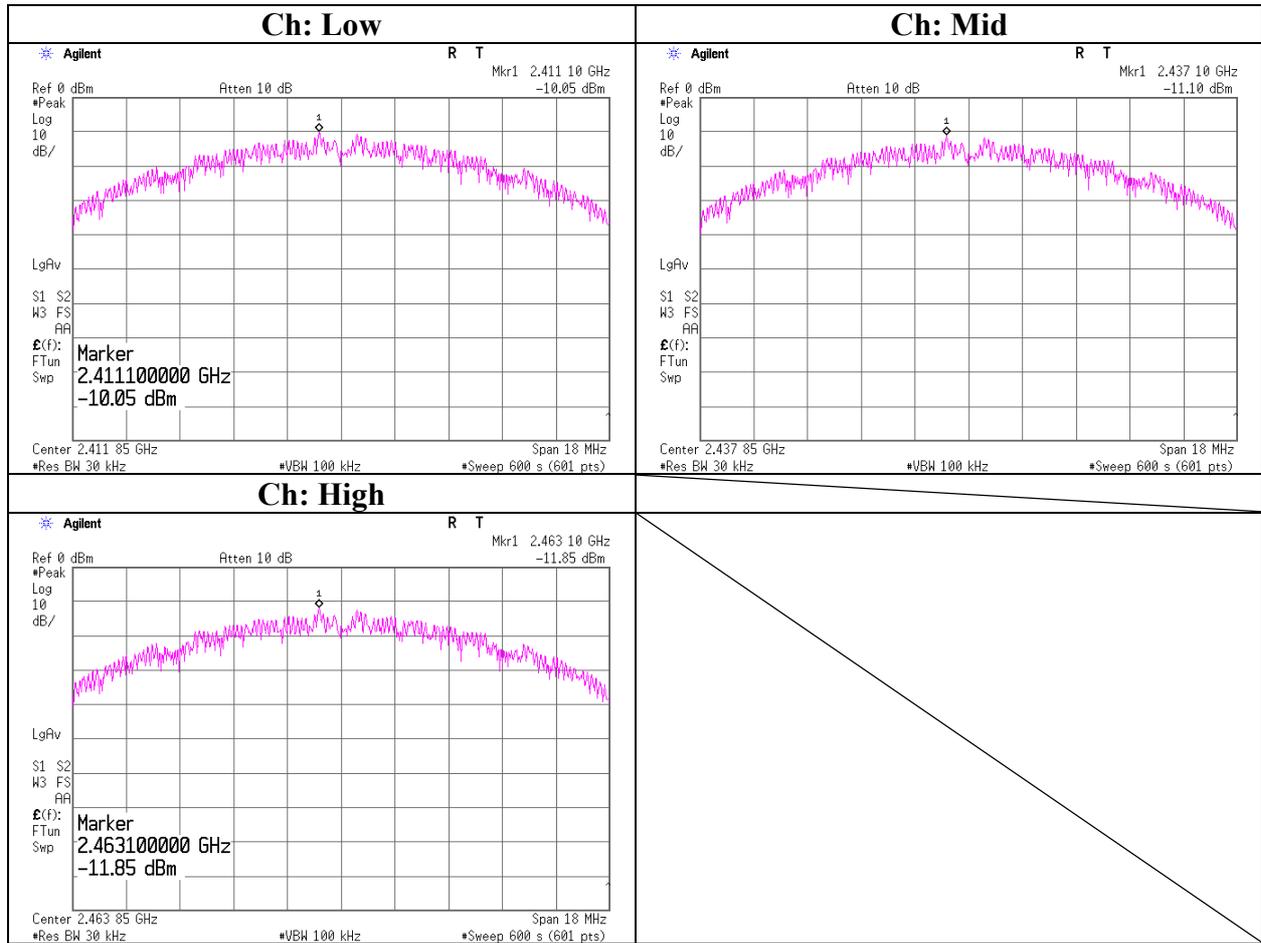
UL Japan, Inc.  
Head Office EMC Lab. No.6 Measurement Room  
Test Report No. : 29GE0040-HO-01  
Regulation : FCC15.247(e)/RSS-210A8.2(b)  
Test distance : -  
Date : 04/02/2009  
Temperature : 22deg.C.  
Humidity : 33%  
Engineer : Kazufumi Nakai

Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2411.10	-10.05	1.25	10.08	1.28	8.00	6.72
Mid	2437.10	-11.10	1.25	10.08	0.23	8.00	7.77
High	2463.10	-11.85	1.25	10.08	-0.52	8.00	8.52

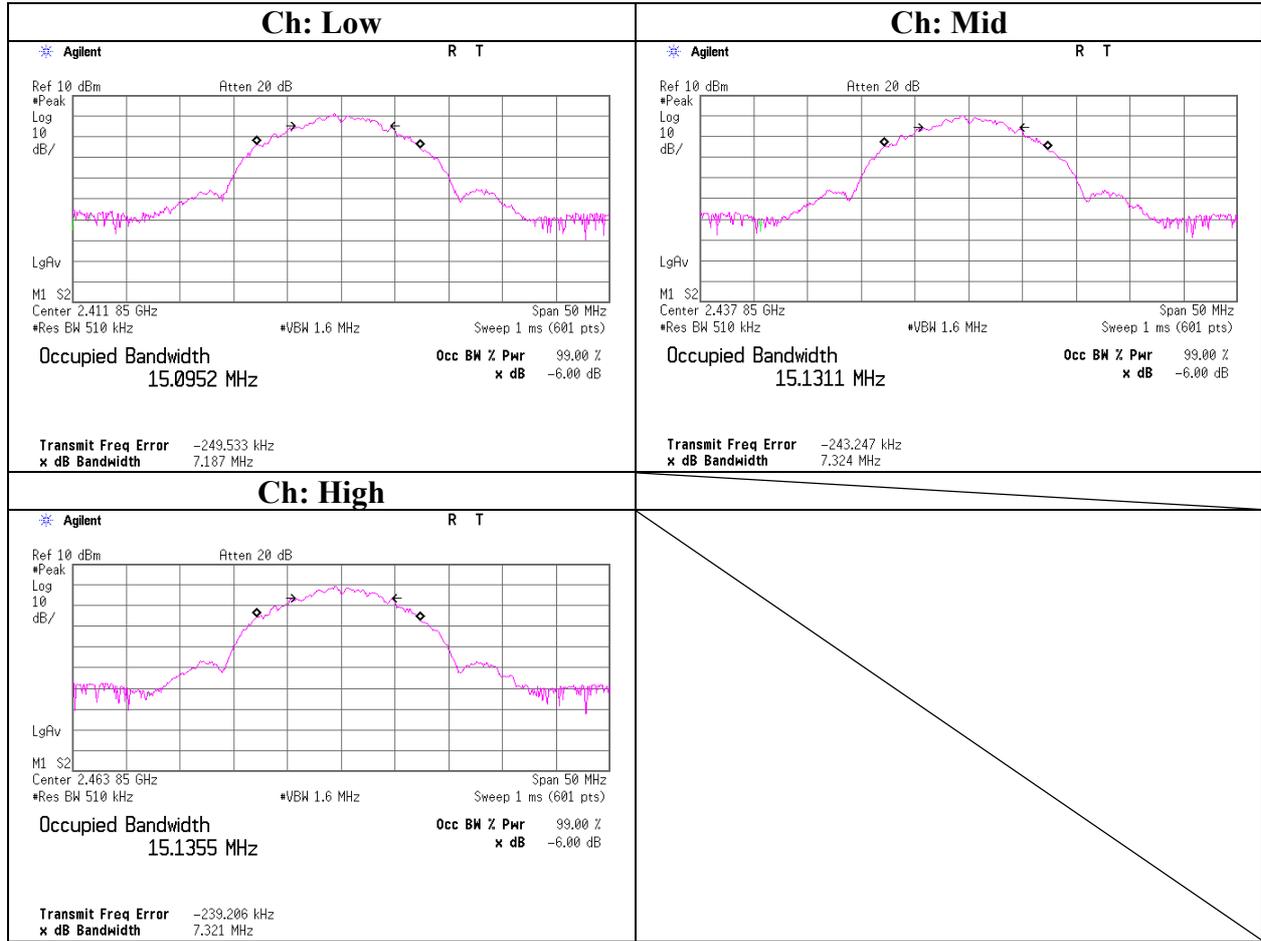
Sample Calculation:

Result = Reading + Cable Loss including the cable (supplied by customer + ULJ) + Attenuator

**Power Density**



**99% Occupied Bandwidth**  
**Antenna 1**



### **APPENDIX 3: Test instruments**

#### **EMI test equipment**

<b>Control No.</b>	<b>Instrument</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Serial No</b>	<b>Test Item</b>	<b>Calibration Date * Interval(month)</b>
MAEC-02	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-06902	RE	2008/04/17 * 12
MOS-22	Thermo-Hygrometer	Custom	CTH-201	0003	RE	2009/02/05 * 12
MJM-05	Measure	PROMART	SEN1955	-	RE	-
CUST-MSTW-14	EMI measurement program	TSJ	TEPTO-DV	-	RE	-
MRENT-62	Spectrum Analyzer	Agilent	E4448A	MY46180856	RE	2008/11/25 * 12
MHA-06	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	254	RE	2009/01/31 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	295123(5m) / 287573(1m)	RE	2008/11/27 * 12
MPA-10	Pre Amplifier	Agilent	8449B	3008A02142	RE	2008/09/17 * 12
MHF-06	High Pass Filter 3.5-24GHz	Tokimec	TF323DCA	601	RE	2008/05/21 * 12
MHA-02	Horn Antenna 18-26.5GHz	EMCO	3160-09	1265	RE	2009/01/31 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	-	AT	2009/02/04 * 12
MCC-114	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	290212/4	AT	2008/08/01 * 12
MAT-20	Attenuator(10dB) (above1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	-	AT	2009/01/16 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	US44300523	AT	2008/08/18 * 12
MPM-12	Power Meter	Anritsu	ML2495A	0825002	AT	2008/08/13 * 12
MPSE-17	Power sensor	Anritsu	MA2411B	0738285	AT	2008/08/13 * 12
MAEC-03	Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	RE	2009/02/02 * 12
MOS-13	Thermo-Hygrometer	Custom	CTH-180	-	RE	2009/02/06 * 12
MJM-06	Measure	PROMART	SEN1955	-	RE	-
MSA-09	Spectrum Analyzer	Advantest	R3273	95090115	RE	2008/12/24 * 12
MTR-08	Test Receiver	Rohde & Schwarz	ESCI	100767	RE	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

**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: RE: Radiated Emission**

**AT: Antenna Terminal Conducted test**

**UL Japan, Inc.**

**Head Office EMC Lab.**

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

**Telephone : +81 596 24 8116**

**Facsimile : +81 596 24 8124**