

APPENDIX 2: Data of EMI test

Conducted Emission
Tx, 11b, 11Mbps, Ch: Low

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/08/08

Company

Kind of EUT

Model No.

Serial No.

: Sony EMCS Corporation

: Digital Still Camera

: DSC-G3

: 0000189

Report No.

Power

Temp./Humi.

Engineer

: 28LE0042-HO-02

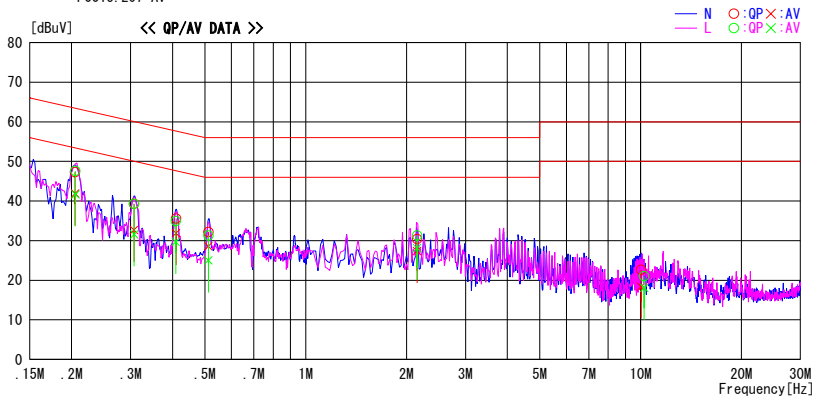
: AC 120V / 60Hz

: 22deg.C / 65%

: Kazufumi Nakai

Mode / Remarks : Tx 11b 2412MHz 11Mbps

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.20477	47.0	41.6	0.3	47.3	41.9	63.4	53.4	16.1	11.5	N
0.30717	39.0	32.4	0.3	39.3	32.7	60.0	50.0	20.7	17.3	N
0.41003	35.3	31.6	0.3	35.6	31.9	57.6	47.6	22.0	15.7	N
0.51233	31.9	28.3	0.3	32.2	28.6	56.0	46.0	23.8	17.4	N
2.15069	29.9	26.9	0.5	30.4	27.4	56.0	46.0	25.6	18.6	N
10.03457	21.3	17.1	1.3	22.6	18.4	60.0	50.0	37.4	31.6	N
0.20515	47.3	41.4	0.3	47.6	41.7	63.4	53.4	15.8	11.7	L
0.30733	39.0	31.3	0.3	39.3	31.6	60.0	50.0	20.7	18.4	L
0.40903	34.6	29.4	0.3	34.9	29.7	57.7	47.7	22.8	18.0	L
0.51258	31.0	24.7	0.3	31.3	25.0	56.0	46.0	24.7	21.0	L
2.15071	30.8	27.6	0.5	31.3	28.1	56.0	46.0	24.7	17.9	L
10.24135	19.6	16.7	1.4	21.0	18.1	60.0	50.0	39.0	31.9	L

CHART:WITH FACTOR,Peak hold data. CALCURATION: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 round off to one or two decimal places, so some differences might be observed.

Conducted Emission

Tx, 11b, 11Mbps, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

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

Date : 2008/08/08

Company : Sony EMCS Corporation

Kind of EUT : Digital Still Camera

Model No. : DSC-G3

Serial No. : 0000189

Report No. : 28LE0042-HO-02

Power : AC 120V / 60Hz

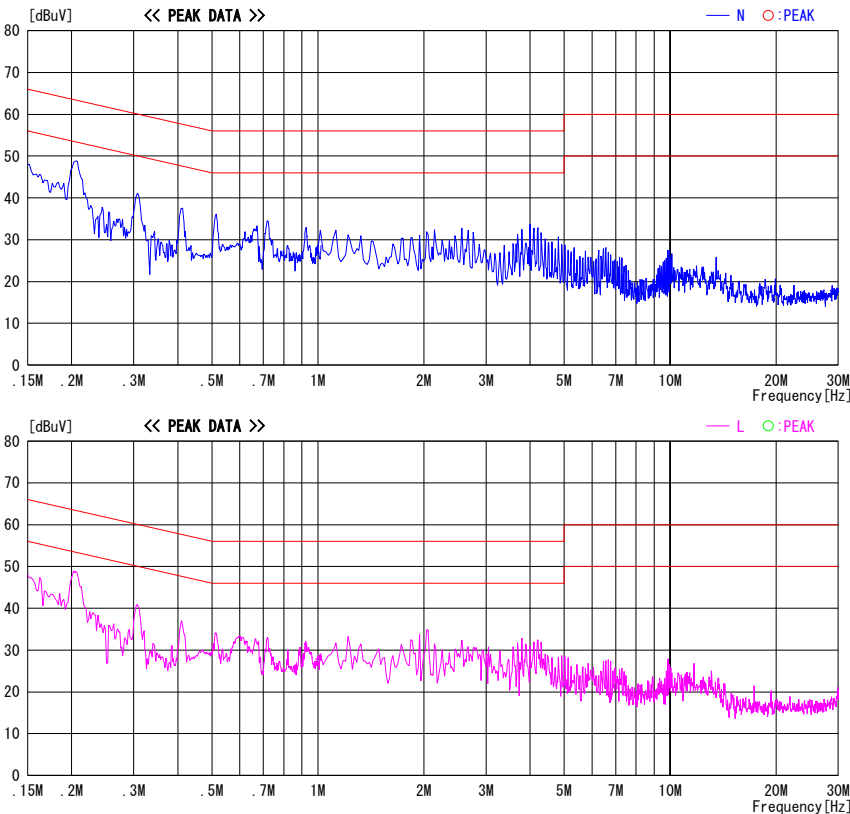
Temp./Humi. : 22deg. C / 65%

Engineer : Kazufumi Nakai

Mode / Remarks : Tx 11b 2437MHz 11Mbps

LIMIT : FCC15.207 QP

FCC15.207 AV



Conducted Emission
Tx, 11b, 11Mbps, Ch: High

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/08/08

Company : Sony EMCS Corporation
Kind of EUT : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000189

Report No. : 28LE0042-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 22deg. C / 65%
Engineer : Kazufumi Nakai

Mode / Remarks : Tx 11b 2462MHz 11Mbps

LIMIT : FCC15.207 QP
FCC15.207 AV

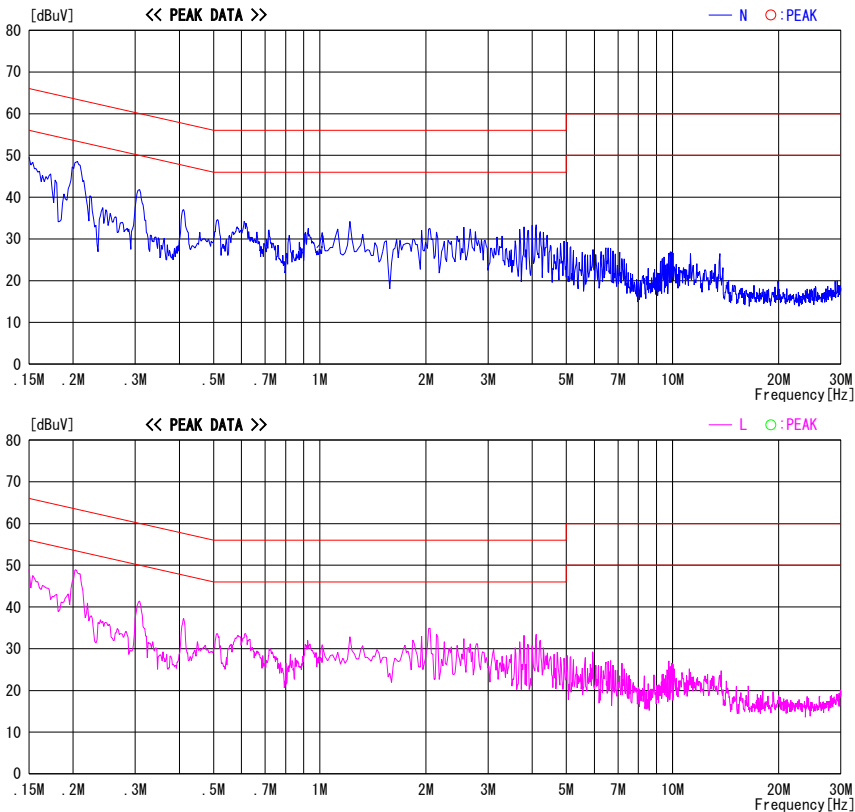


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission
Tx, 11g, 54Mbps, Ch: Low

DATA OF CONDUCTED EMISSION TEST

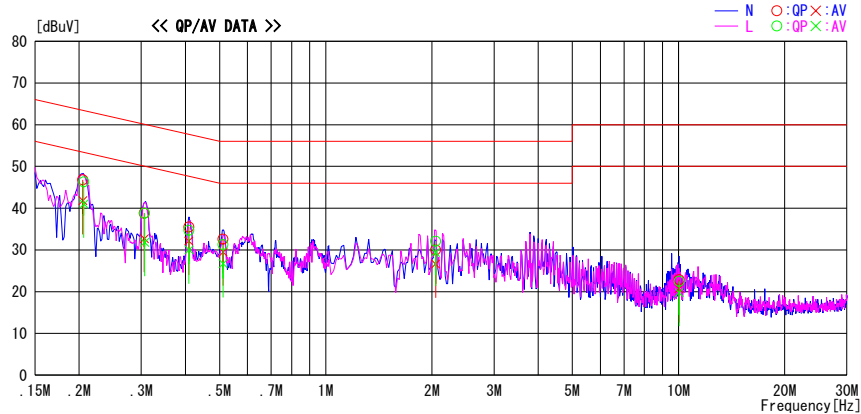
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/08/08

Company : Sony EMCS Corporation
Kind of EUT : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000189

Report No. : 28LE0042-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 22deg. C / 65%
Engineer : Kazufumi Nakai

Mode / Remarks : Tx 11g 2412MHz 54Mbps

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.20491	46.5	41.5	0.3	46.8	41.8	63.4	53.4	16.6	11.6	N
0.30607	38.5	32.4	0.3	38.8	32.7	60.1	50.1	21.3	17.4	N
0.40923	35.2	31.8	0.3	35.5	32.1	57.7	47.7	22.2	15.6	N
0.51180	32.3	29.2	0.3	32.6	29.5	56.0	46.0	23.4	16.5	N
2.04793	29.5	26.1	0.5	30.0	26.6	56.0	46.0	26.0	19.4	N
10.03234	21.6	19.4	1.3	22.9	20.7	60.0	50.0	37.1	29.3	N
0.20613	46.0	40.7	0.3	46.3	41.0	63.4	53.4	17.1	12.4	L
0.30677	38.5	31.5	0.3	38.8	31.8	60.1	50.1	21.3	18.3	L
0.40957	34.4	29.7	0.3	34.7	30.0	57.7	47.7	23.0	17.7	L
0.51187	31.0	26.4	0.3	31.3	26.7	56.0	46.0	24.7	19.3	L
2.04795	31.6	28.9	0.5	32.1	29.4	56.0	46.0	23.9	16.6	L
10.03370	21.2	18.5	1.3	22.5	19.8	60.0	50.0	37.5	30.2	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 round off to one or two decimal places, so some differences might be observed.

Conducted Emission
Tx, 11g, 54Mbps, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/08/08

Company : Sony EMCS Corporation
Kind of EUT : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000189

Report No. : 28LE0042-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 22deg. C / 65%
Engineer : Kazufumi Nakai

Mode / Remarks : Tx 11g 2437MHz 54Mbps

LIMIT : FCC15.207 QP
FCC15.207 AV

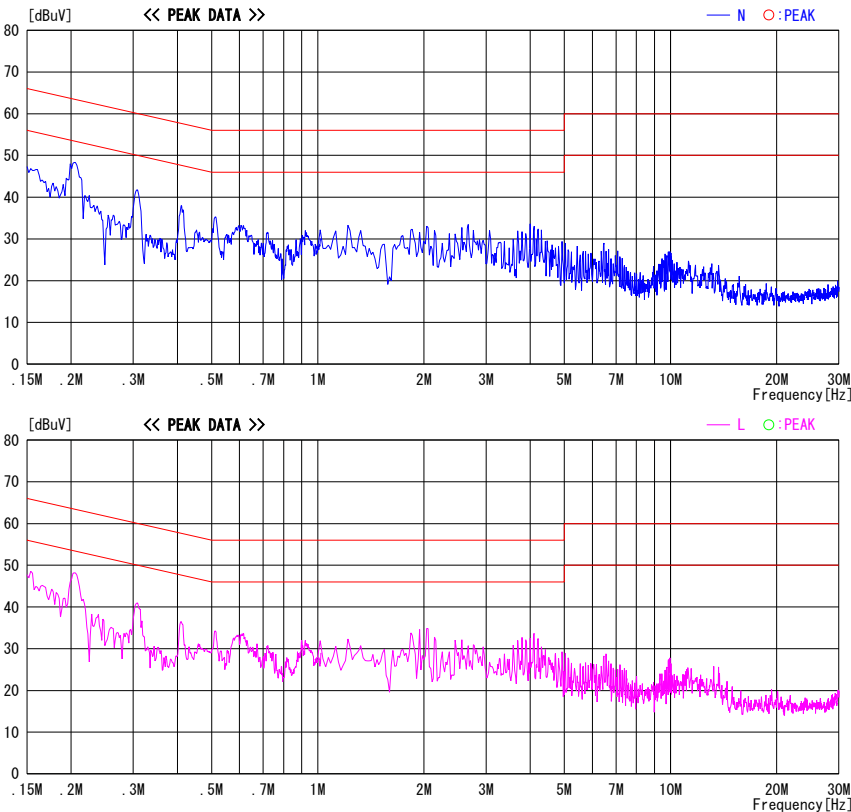


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

Tx, 11g, 54Mbps, Ch: High

DATA OF CONDUCTED EMISSION TEST

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

Date : 2008/08/08

Company : Sony EMCS Corporation

Kind of EUT : Digital Still Camera

Model No. : DSC-G3

Serial No. : 0000189

Report No. : 28LE0042-HO-02

Power : AC 120V / 60Hz

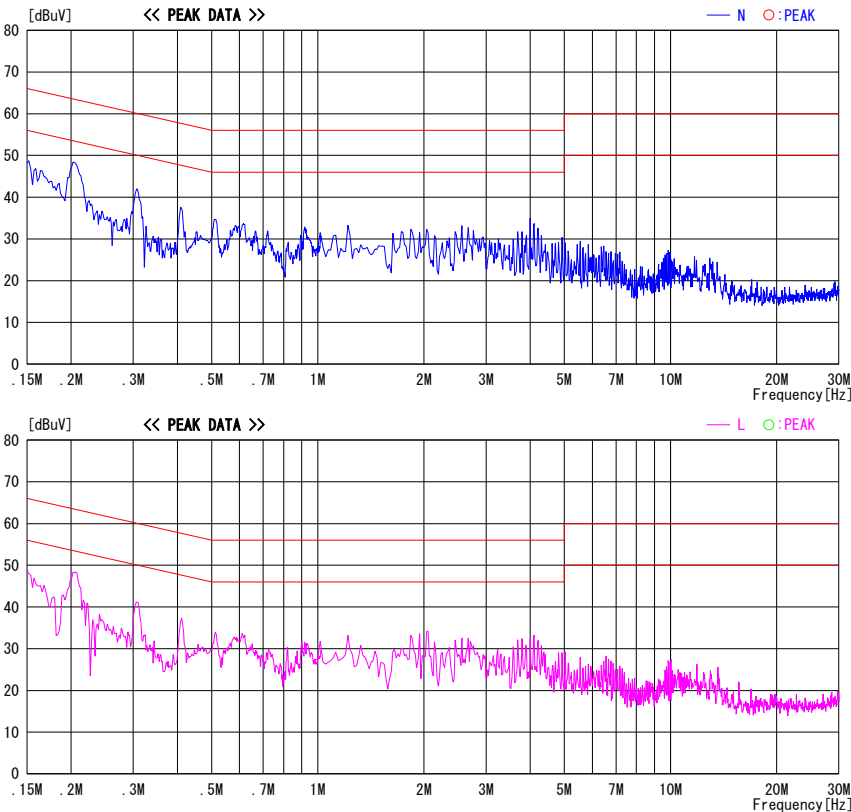
Temp./Humi. : 22deg. C / 65%

Engineer : Kazufumi Nakai

Mode / Remarks : Tx 11g 2462MHz 54Mbps

LIMIT : FCC15.207 QP

FCC15.207 AV



Conducted Emission

Rx, 11b/g, Ch: Mid

DATA OF CONDUCTED EMISSION TEST

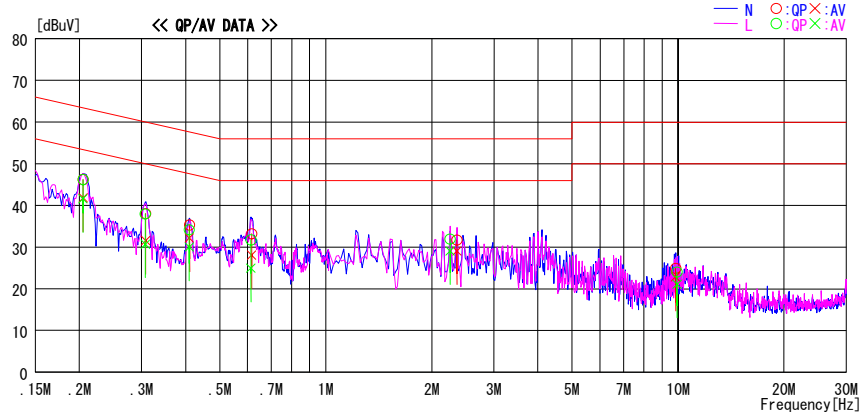
UL Japan, Inc. Head Office EMC Lab. No. 2 Semi Anechoic Chamber
Date : 2008/08/08

Company : Sony EMCS Corporation
Kind of EUT : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000189

Report No. : 28LE0042-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 22deg. C / 65%
Engineer : Kazufumi Nakai

Mode / Remarks : Rx 11b/g 2437MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.20491	45.9	41.5	0.3	46.2	41.8	63.4	53.4	17.2	11.6	N
0.30803	37.8	31.3	0.3	38.1	31.6	60.0	50.0	21.9	18.4	N
0.40987	35.0	31.9	0.3	35.3	32.2	57.7	47.7	22.4	15.5	N
0.61521	32.8	27.7	0.4	33.2	28.1	56.0	46.0	22.8	17.9	N
2.35538	31.1	28.5	0.6	31.7	29.1	56.0	46.0	24.3	16.9	N
9.83217	23.6	21.5	1.3	24.9	22.8	60.0	50.0	35.1	27.2	N
0.20455	45.9	41.3	0.3	46.2	41.6	63.4	53.4	17.2	11.8	L
0.30727	37.7	30.4	0.3	38.0	30.7	60.0	50.0	22.0	19.3	L
0.40945	33.9	29.7	0.3	34.2	30.0	57.7	47.7	23.5	17.7	L
0.61249	31.4	24.5	0.4	31.8	24.9	56.0	46.0	24.2	21.1	L
2.25343	31.3	28.5	0.6	31.9	29.1	56.0	46.0	24.1	16.9	L
9.93517	22.7	19.8	1.3	24.0	21.1	60.0	50.0	36.0	28.9	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 round off to one or two decimal places, so some differences might be observed.

6dB Bandwidth

UL Japan, Inc.
Head Office EMC Lab. No.7 Shielded Room

Company : Sony EMCS Corporation
Equipment : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000187
Power : AC120V/60Hz
Mode : Tx 11b/g

Test Report No. : 28LE0042-HO-02
Regulation : FCC15.247(a)(2)/RSS-210A8.2(a)
Test distance : -
Date : 08/06/2008
Temperature : 26°C
Humidity : 55%
Engineer : Takumi Shimada

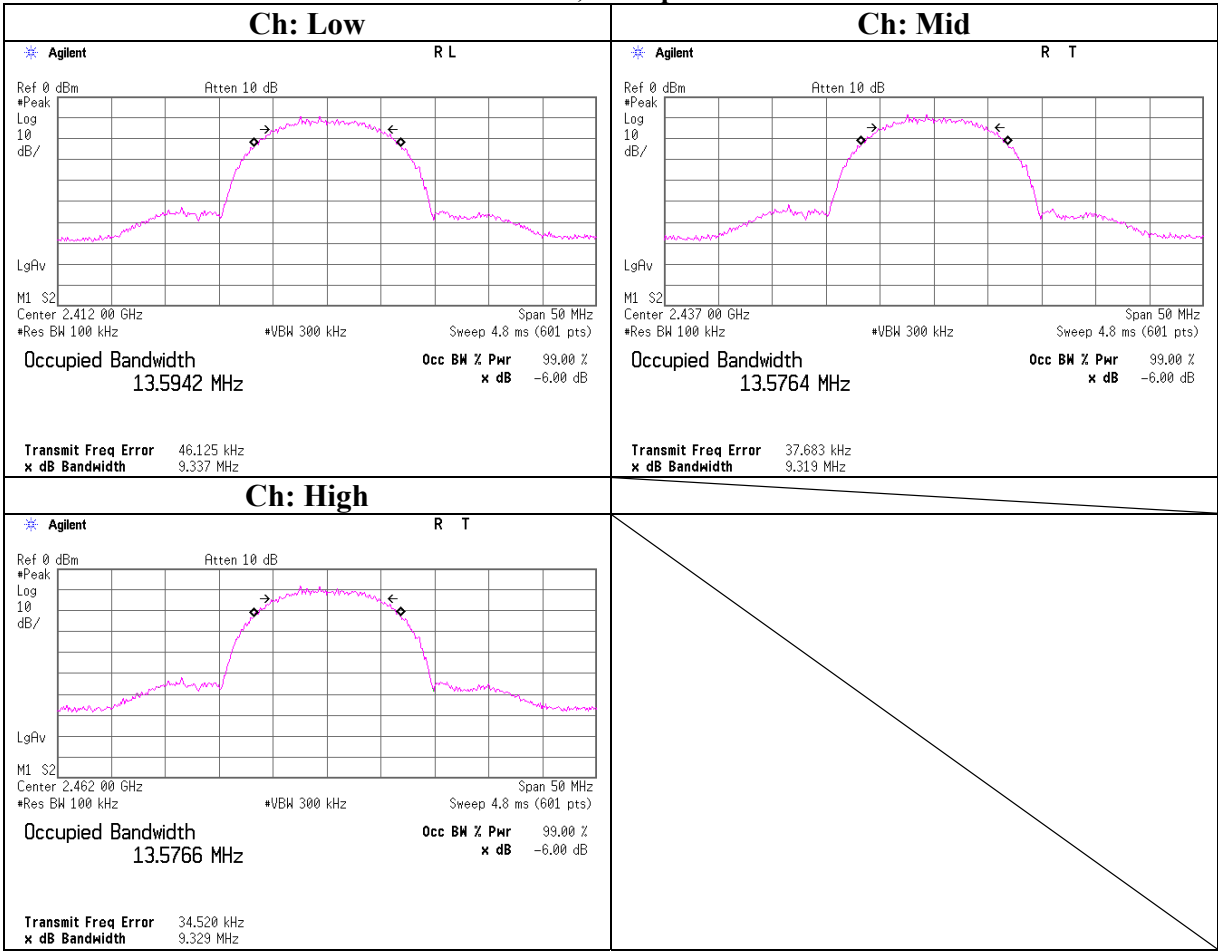
[IEEE802.11b] 11Mbps(worst)

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	9.337	>500
Mid	2437.0	9.319	>500
High	2462.0	9.329	>500

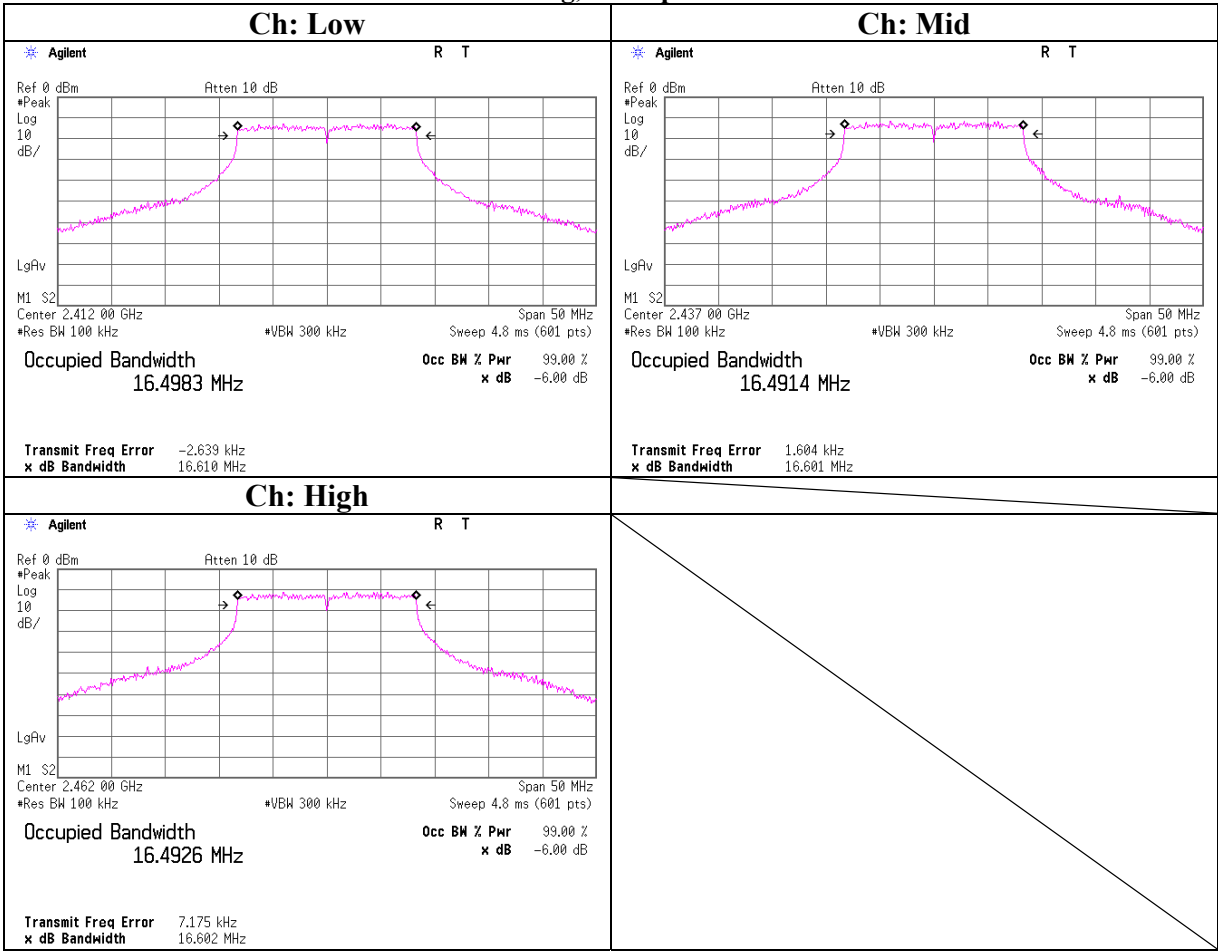
[IEEE802.11g] 54Mbps(worst)

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.610	>500
Mid	2437.0	16.601	>500
High	2462.0	16.602	>500

6dB Bandwidth
11b, 11Mbps



6dB Bandwidth
11g, 54Mbps



Maximum Peak Output Power

UL Japan, Inc.
Head Office EMC Lab. No.7 Shielded Room

Company : Sony EMCS Corporation Equipment : Digital Still Camera Model No. : DSC-G3 Serial No. : 0000187 Power : AC120V/60Hz Mode : Tx 11b/g	Test Report No. : 28LE0042-HO-02 Regulation : FCC15.247(b)(3)/RSS-210A8.4(4) Test distance : - Date : 08/06/2008 Temperature : 26deg.C. Humidity : 55% Engineer : Takumi Shimada
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[IEEE802.11b] 11Mbps(worst)

Ch	Freq. [MHz]	P/M Reading(PK) [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm] [mW]		Limit [dBm] [mW]		Margin [dB]
Low	2412.0	3.25	0.60	9.98	13.83	24.15	30.00	1000	16.17
Mid	2437.0	4.01	0.60	9.98	14.59	28.77	30.00	1000	15.41
High	2462.0	4.48	0.60	9.98	15.06	32.06	30.00	1000	14.94

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.

[IEEE802.11g] 54Mbps(worst)

Ch	Freq.	P/M Reading(PK)	Cable Loss	Atten.	Result		Limit		Margin
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
Low	2412.0	9.64	0.60	9.98	20.22	105.20	30.00	1000	9.78
Mid	2437.0	9.91	0.60	9.98	20.49	111.94	30.00	1000	9.51
High	2462.0	10.08	0.60	9.98	20.66	116.41	30.00	1000	9.34

Sample Calculation:

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

* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

Maximum Peak Output Power Worst data rate (Conducted)

UL Japan, Inc.
Head Office EMC Lab. No.7 Shielded Room

Company : Sony EMCS Corporation
Equipment : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000187
Power : AC120V/60Hz
Mode : Tx 11b/g

Test Report No. : 28LE0042-HO-02
Regulation : FCC15.247(b)(3)/RSS-210A8.4(4)
Test distance : -
Date : 08/06/2008
Temperature : 26deg.C.
Humidity : 55%
Engineer : Takumi Shimada

[IEEE802.11b]

Rate	Freq.	P/M Reading(PK)	Cable Loss	Atten.	Result		Limit		Margin	Remarks
[Mbps]	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]	
1.0	2437.0	3.96	0.60	9.98	14.54	28.44	30.00	1000	15.46	
2.0	2437.0	3.56	0.60	9.98	14.14	25.94	30.00	1000	15.86	
5.5	2437.0	3.43	0.60	9.98	14.01	25.18	30.00	1000	15.99	
11.0	2437.0	4.01	0.60	9.98	14.59	28.77	30.00	1000	15.41	Worst

[IEEE802.11g]

Rate	Freq.	P/M Reading(PK)	Cable Loss	Atten.	Result		Limit		Margin	Remarks
[Mbps]	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]	
6.0	2437.0	9.15	0.60	9.98	19.73	93.97	30.00	1000	10.27	
9.0	2437.0	9.51	0.60	9.98	20.09	102.09	30.00	1000	9.91	
12.0	2437.0	9.54	0.60	9.98	20.12	102.80	30.00	1000	9.88	
18.0	2437.0	9.51	0.60	9.98	20.09	102.09	30.00	1000	9.91	
24.0	2437.0	9.44	0.60	9.98	20.02	100.46	30.00	1000	9.98	
36.0	2437.0	9.43	0.60	9.98	20.01	100.23	30.00	1000	9.99	
48.0	2437.0	9.45	0.60	9.98	20.03	100.69	30.00	1000	9.97	
54.0	2437.0	9.91	0.60	9.98	20.49	111.94	30.00	1000	9.51	Worst

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)
Tx, 11b, 11Mbps, Ch: Low

DATA OF RADIATED EMISSION TEST

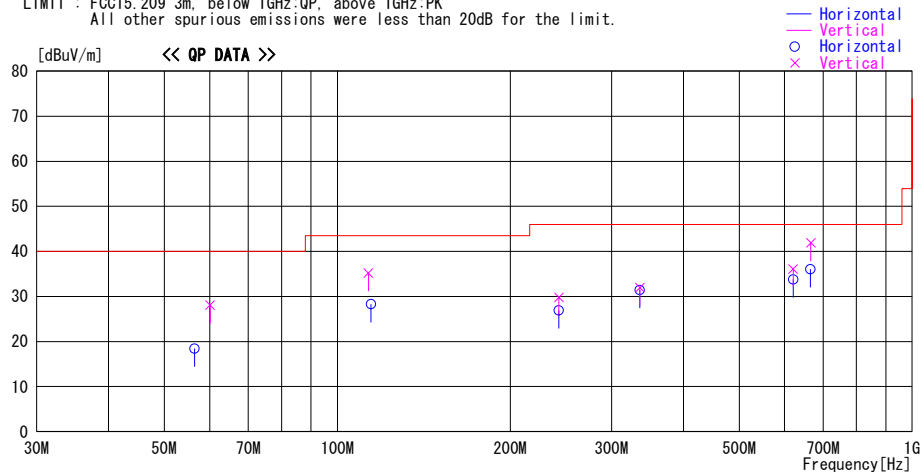
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/08/08

Company : Sony EMCS Corporation
Kind of EUT : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000189

Report No. : 28LE0042-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 22deg. C / 73%
Engineer : Takumi Shimada

Mode / Remarks : Tx 11b 2412MHz 11Mbps Worst Hor:Z-axis Ver:Z-axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency	Reading	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor	Gain							
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
56.453	31.3	QP	8.9	-21.7	18.5	241	400	Hori.	40.0	21.5	
60.106	41.5	QP	8.2	-21.6	28.1	25	100	Vert.	40.0	11.9	
113.261	44.9	QP	11.2	-20.9	35.2	73	100	Vert.	43.5	8.3	
114.525	37.9	QP	11.3	-20.9	28.3	32	307	Hori.	43.5	15.2	
243.010	29.2	QP	17.0	-19.3	26.9	359	282	Hori.	46.0	19.1	
243.006	32.1	QP	17.0	-19.3	29.8	20	100	Vert.	46.0	16.2	
336.006	34.9	QP	15.6	-19.1	31.4	39	100	Hori.	46.0	14.6	
335.997	35.5	QP	15.6	-19.1	32.0	21	100	Vert.	46.0	14.0	
621.005	32.9	QP	19.6	-18.7	33.8	346	128	Hori.	46.0	12.2	
620.998	35.2	QP	19.6	-18.7	36.1	325	100	Vert.	46.0	9.9	
665.668	34.3	QP	20.2	-18.4	36.1	90	163	Hori.	46.0	9.9	
666.334	40.0	QP	20.3	-18.4	41.9	325	100	Vert.	46.0	4.1	

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)
Tx, 11b, 11Mbps, Ch: Mid

DATA OF RADIATED EMISSION TEST

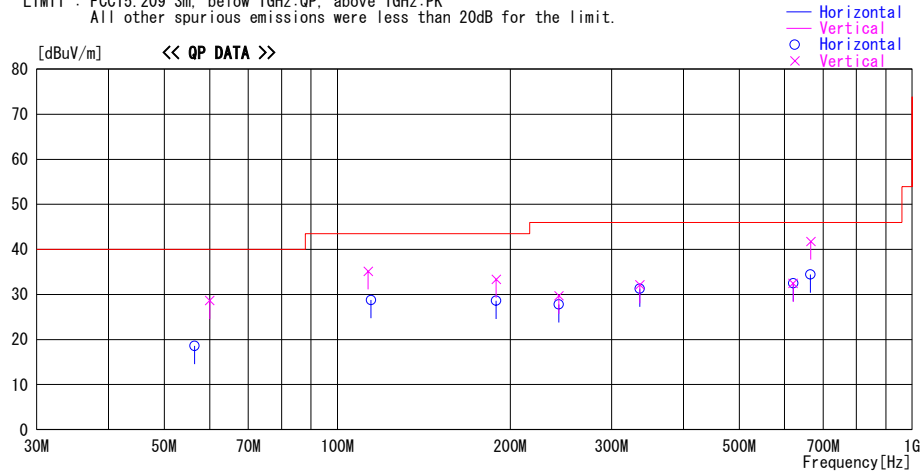
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/08/08

Company : Sony EMCS Corporation
Kind of EUT : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000189

Report No. : 28LE0042-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 22deg. C / 73%
Engineer : Takumi Shimada

Mode / Remarks : Tx 11b 2437MHz 11Mbps Worst Hor:Z-axis Ver:Z-axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
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	Margin	Comment
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]	
56.448	31.4	QP	8.9	-21.7	18.6	245	400	Hori.	40.0	21.4	
60.023	42.0	QP	8.2	-21.6	28.6	30	100	Vert.	40.0	11.4	
113.182	44.8	QP	11.2	-20.9	35.1	80	100	Vert.	43.5	8.4	
114.535	38.4	QP	11.3	-20.9	28.8	40	313	Hori.	43.5	14.7	
189.001	32.1	QP	16.4	-19.9	28.6	180	294	Hori.	43.5	14.9	
189.008	36.8	QP	16.4	-19.9	33.3	359	100	Vert.	43.5	10.2	
243.001	32.0	QP	17.0	-19.3	29.7	24	100	Vert.	46.0	16.3	
243.009	30.1	QP	17.0	-19.3	27.8	359	284	Hori.	46.0	18.2	
335.997	35.6	QP	15.6	-19.1	32.1	14	100	Vert.	46.0	13.9	
336.006	34.8	QP	15.6	-19.1	31.3	48	100	Hori.	46.0	14.8	
621.002	31.6	QP	19.6	-18.7	32.5	322	100	Vert.	46.0	13.6	
621.005	31.6	QP	19.6	-18.7	32.5	334	123	Hori.	46.0	13.5	
665.668	32.7	QP	20.2	-18.4	34.5	72	157	Hori.	46.0	11.5	
666.334	39.9	QP	20.3	-18.4	41.8	359	100	Vert.	46.0	4.2	

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, 11b, 11Mbps, Ch: High

DATA OF RADIATED EMISSION TEST

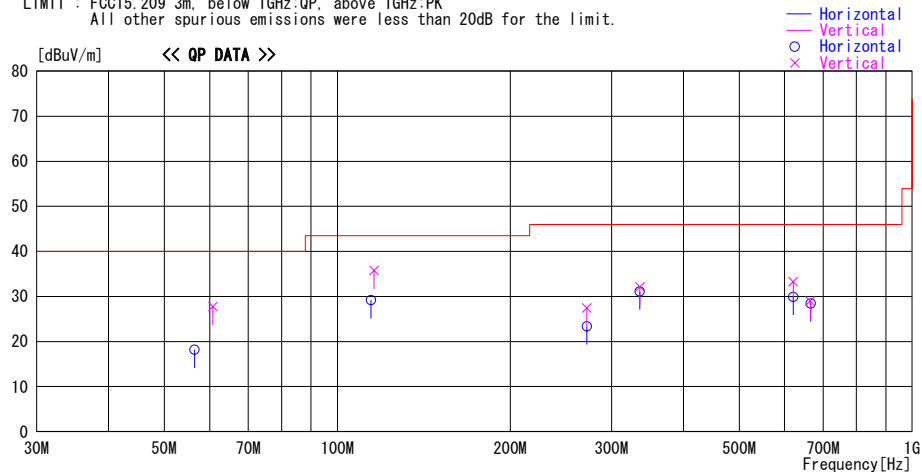
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/08/08

Company : Sony EMCS Corporation
Kind of EUT : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000189

Report No. : 28LE0042-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 22deg. C / 73%
Engineer : Takumi Shimada

Mode / Remarks : Tx 11b 2462MHz 11Mbps Worst Hor:Z-axis Ver:Z-axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency	Reading	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor	Gain							
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
56.452	31.0	QP	8.9	-21.7	18.2	256	400	Hori.	40.0	21.8	
60.765	41.3	QP	8.1	-21.6	27.8	65	100	Vert.	40.0	12.2	
114.532	38.8	QP	11.3	-20.9	29.2	42	308	Hori.	43.5	14.3	
115.849	45.3	QP	11.4	-20.9	35.8	100	100	Vert.	43.5	7.8	
271.583	28.1	QP	18.4	-19.1	27.4	33	100	Vert.	46.0	18.6	
271.582	24.1	QP	18.4	-19.1	23.4	223	300	Hori.	46.0	22.6	
335.991	35.7	QP	15.6	-19.1	32.2	180	100	Vert.	46.0	13.8	
336.004	34.6	QP	15.6	-19.1	31.1	61	100	Hori.	46.0	14.9	
621.003	32.4	QP	19.6	-18.7	33.3	322	100	Vert.	46.0	12.8	
621.008	29.0	QP	19.6	-18.7	29.9	311	142	Hori.	46.0	16.1	
665.880	26.6	QP	20.3	-18.4	28.5	158	138	Hori.	46.0	17.5	
665.157	27.2	QP	20.2	-18.4	29.0	359	100	Vert.	46.0	17.0	

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)
Tx, 11g, 54Mbps, Ch: Mid

DATA OF RADIATED EMISSION TEST

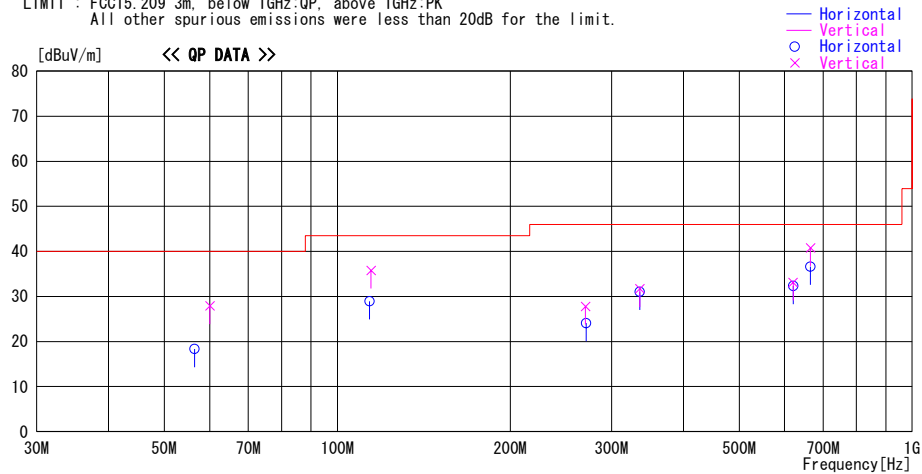
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/08/08

Company : Sony EMCS Corporation
Kind of EUT : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000189

Report No. : 28LE0042-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 22deg.C / 73%
Engineer : Takumi Shimada

Mode / Remarks : Tx 11g 2437MHz 54Mbps Worst Hor:Z-axis Ver:Z-axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency	Reading	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor	Gain							
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
56.441	31.2	QP	8.9	-21.7	18.4	241	400	Hori.	40.0	21.6	
60.060	41.3	QP	8.2	-21.6	27.9	84	100	Vert.	40.0	12.1	
113.772	38.6	QP	11.3	-20.9	29.0	27	278	Hori.	43.5	14.5	
114.504	45.4	QP	11.3	-20.9	35.8	97	100	Vert.	43.5	7.7	
270.250	28.6	QP	18.3	-19.1	27.8	27	100	Vert.	46.0	18.2	
271.033	24.8	QP	18.4	-19.1	24.1	317	400	Hori.	46.0	21.9	
335.999	35.2	QP	15.6	-19.1	31.7	190	100	Vert.	46.0	14.3	
335.997	34.6	QP	15.6	-19.1	31.1	47	100	Hori.	46.0	14.9	
621.005	32.2	QP	19.6	-18.7	33.1	324	100	Vert.	46.0	12.9	
620.999	31.4	QP	19.6	-18.7	32.3	338	130	Hori.	46.0	13.7	
665.509	34.8	QP	20.2	-18.4	36.6	79	162	Hori.	46.0	9.4	
665.509	39.0	QP	20.2	-18.4	40.8	350	100	Vert.	46.0	5.2	

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, 11g, 54Mbps, Ch: High

DATA OF RADIATED EMISSION TEST

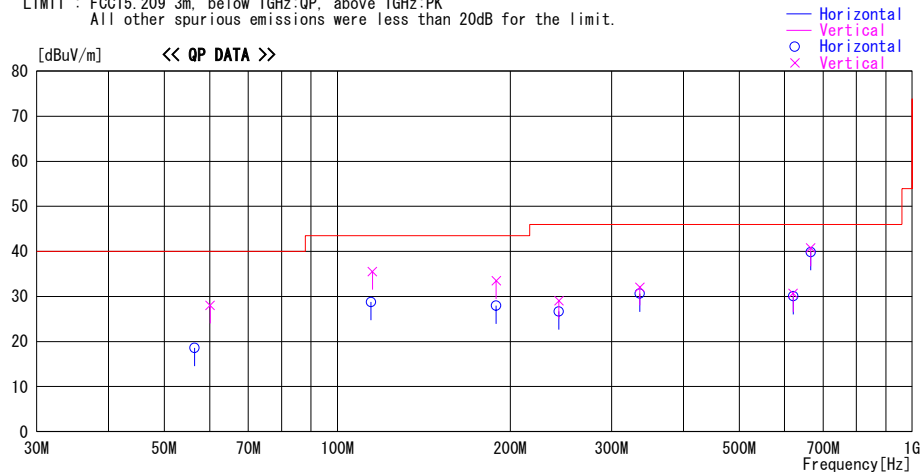
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/08/08

Company : Sony EMCS Corporation
Kind of EUT : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000189

Report No. : 28LE0042-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 22deg. C / 73%
Engineer : Takumi Shimada

Mode / Remarks : Tx 11g 2462MHz 54Mbps Worst Hor:Z-axis Ver:Z-axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency	Reading	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor	Gain							
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
56.445	31.4	QP	8.9	-21.7	18.6	242	400	Hori.	40.0	21.4	
60.085	41.4	QP	8.2	-21.6	28.0	86	100	Vert.	40.0	12.0	
114.458	38.4	QP	11.3	-20.9	28.8	60	267	Hori.	43.5	14.8	
189.000	31.5	QP	16.4	-19.9	28.0	186	303	Hori.	43.5	15.5	
115.075	45.1	QP	11.4	-20.9	35.6	102	100	Vert.	43.5	8.0	
189.004	37.0	QP	16.4	-19.9	33.5	359	100	Vert.	43.5	10.0	
243.003	29.0	QP	17.0	-19.3	26.7	176	322	Hori.	46.0	19.3	
243.007	31.4	QP	17.0	-19.3	29.1	359	100	Vert.	46.0	16.9	
336.004	34.1	QP	15.6	-19.1	30.6	35	100	Hori.	46.0	15.4	
335.996	35.6	QP	15.6	-19.1	32.1	180	100	Vert.	46.0	13.9	
620.991	29.2	QP	19.6	-18.7	30.1	317	126	Hori.	46.0	15.9	
620.997	29.8	QP	19.6	-18.7	30.7	307	100	Vert.	46.0	15.3	
665.871	38.0	QP	20.3	-18.4	39.9	75	157	Hori.	46.0	6.1	
665.871	38.9	QP	20.3	-18.4	40.8	350	100	Vert.	46.0	5.2	

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

Rx, 11b/g, Ch: Mid

DATA OF RADIATED EMISSION TEST

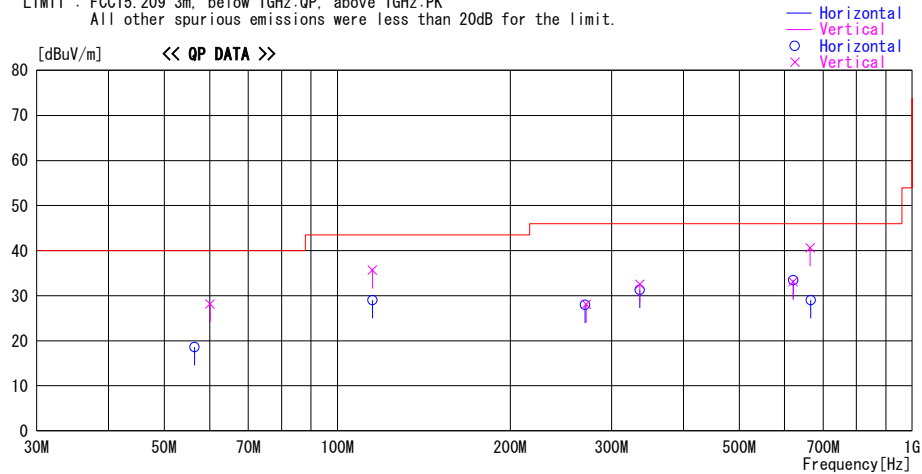
UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/08/08

Company : Sony EMCS Corporation
Kind of EUT : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000189

Report No. : 28LE0042-HO-02
Power : AC 120V / 60Hz
Temp./Humi. : 22deg. C / 73%
Engineer : Takumi Shimada

Mode / Remarks : Rx 11b/g 2437MHz 54Mbps Worst Hor:Z-axis Ver:Z-axis

LIMIT : FCC15.209 3m, below 1GHz:QP, above 1GHz:PK
All other spurious emissions were less than 20dB for the limit.



Frequency	Reading	DET	Antenna		Level	Angle	Height	Polar.	Limit		Comment
			Factor	Loss&Gain					[dBuV/m]	[dB]	
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]				
56.450	31.4	QP	8.9	-21.7	18.6	239	400	Hori.	40.0	21.4	
60.080	41.6	QP	8.2	-21.6	28.2	89	100	Vert.	40.0	11.8	
115.092	38.5	QP	11.4	-20.9	29.0	58	268	Hori.	43.5	14.5	
115.052	45.2	QP	11.4	-20.9	35.7	99	100	Vert.	43.5	7.8	
269.958	28.8	QP	18.3	-19.1	28.0	257	150	Hori.	46.0	18.0	
271.005	28.8	QP	18.4	-19.1	28.1	10	100	Vert.	46.0	17.9	
335.995	36.1	QP	15.6	-19.1	32.6	176	100	Vert.	46.0	13.4	
335.990	34.8	QP	15.6	-19.1	31.3	51	100	Hori.	46.0	14.7	
621.003	32.5	QP	19.6	-18.7	33.4	323	121	Hori.	46.0	12.6	
621.005	32.2	QP	19.6	-18.7	33.1	327	100	Vert.	46.0	12.9	
666.120	27.1	QP	20.3	-18.4	29.0	74	155	Hori.	46.0	17.0	
664.470	38.8	QP	20.2	-18.4	40.6	350	100	Vert.	46.0	5.4	

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

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

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

Radiated Spurious Emission (above 1GHz)

Tx, 11b, 11Mbps, Ch: Low

	UL Japan, Inc.	
	Head Office EMC Lab. No.2 Semi Anechoic Chamber	
Company	Sony EMCS Corporation	Regulation
Equipment	Digital Still Camera	FCC15.247(d) / RSS-210 A8.5
Model	DSC-G3	Test Distance
S/N	0000189	3m (1G-10GHz) / 1m (10GHz-26.5GHz)
Power	AC 120V / 60Hz	Date
Mode	Tx, 11b, 2412MHz, 11Mbps	08/07/2008
Position	H: Y-axis, V: Z-axis	Temperature
		24deg.C.
		Humidity
		73%
		Engineer
		Kazufumi Nakai
		(1GHz-26.5GHz)

PK DETECT

(RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
		[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	2390.00	43.8	42.0	26.8	32.5	2.6	0.0	40.7	38.9	73.9	33.2	35.0
2	2400.00	53.4	51.1	26.8	32.5	2.6	0.0	50.3	48.0	73.9	23.6	25.9
3	4824.00	39.7	40.0	31.2	31.4	4.1	0.7	44.3	44.6	73.9	29.6	29.3
4	7236.00	41.7	42.5	35.5	31.0	4.4	0.6	51.2	52.0	73.9	22.7	21.9
5	9648.00	41.9	41.6	38.6	31.4	5.2	0.9	55.2	54.9	73.9	18.7	19.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
6	12060.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	14472.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	16884.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	19296.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	21708.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	24120.00	46.3	46.1	39.9	30.0	7.8	0.0	54.5	54.3	73.9	19.4	19.6

AV DETECT

(RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
		[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	2390.00	31.4	30.7	26.8	32.5	2.6	0.0	28.3	27.6	53.9	25.6	26.3
2	2400.00	43.4	41.0	26.8	32.5	2.6	0.0	40.3	37.9	53.9	13.6	16.0
3	4824.00	29.5	29.8	31.2	31.4	4.1	0.7	34.1	34.4	53.9	19.8	19.5
4	7236.00	29.1	29.1	35.5	31.0	4.4	0.6	38.6	38.6	53.9	15.3	15.3
5	9648.00	29.2	29.2	38.6	31.4	5.2	0.9	42.5	42.5	53.9	11.4	11.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
6	12060.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	14472.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	16884.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	19296.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	21708.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	24120.00	34.0	34.0	39.9	30.0	7.8	0.0	42.2	42.2	53.9	11.7	11.7

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

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

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

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

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

*NS: No detect Signal.

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

Radiated Spurious Emission

Tx, 11b, 11Mbps, Ch: Mid

Company Sony EMCS Corporation Equipment Digital Still Camera Model DSC-G3 S/N 0000189 Power AC 120V / 60Hz Mode Tx, 11b, 2437MHz, 11Mbps Position H: Y-axis, V: Z-axis	UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber Regulation FCC15.247(d) / RSS-210 A8.5 Test Distance 3m (1G-10GHz) / 1m (10GHz-26.5GHz) Date 08/07/2008 Temperature 24deg.C. Humidity 73% Engineer Kazufumi Nakai (1GHz-26.5GHz)	
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PK DETECT

(RBW: 1MHz, VBW: 1MHz)

PK DETECT (KBW: 1MHz, VBW: 1MHz)												
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.00	41.1	41.8	31.3	31.4	4.1	0.7	45.8	46.5	73.9	28.1	27.4
2	7311.00	41.9	41.1	35.7	31.0	4.5	0.6	51.7	50.9	73.9	22.2	23.0
3	9748.00	41.3	40.4	38.7	31.4	5.2	0.9	54.7	53.8	73.9	19.2	20.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
4	12185.00	NS	NS	-	-	-	-	-	-	73.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	24370.00	45.2	45.3	40.1	30.0	7.9	0.0	53.7	53.8	73.9	20.2	20.1

AV DETECT

(RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
		[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	4874.00	28.5	30.4	31.3	31.4	4.1	0.7	33.2	35.1	53.9	20.7	18.8
2	7311.00	29.3	29.4	35.7	31.0	4.5	0.6	39.1	39.2	53.9	14.8	14.7
3	9748.00	28.7	28.7	38.7	31.4	5.2	0.9	42.1	42.1	53.9	11.8	11.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
4	12185.00	NS	NS	-	-	-	-	-	-	53.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	24370.00	33.1	33.1	40.1	30.0	7.9	0.0	41.6	41.6	53.9	12.3	12.3

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

*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 over the third harmonic, the noise from the EUT was not seen.The data above is its base noise.

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

*NS: No detect Signal.

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

Radiated Spurious Emission

Tx, 11b, 11Mbps, Ch: High

Company Sony EMCS Corporation Equipment Digital Still Camera Model DSC-G3 S/N 0000189 Power AC 120V / 60Hz Mode Tx, 11b, 2462MHz, 11Mbps Position H: Y-axis, V: Z-axis	UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber Regulation FCC15.247(d) / RSS-210 A8.5 Test Distance 3m (1G-10GHz) / 1m (10GHz-26.5GHz) Date 08/07/2008 Temperature 24deg.C. Humidity 73% Engineer Kazufumi Nakai (1GHz-26.5GHz)	
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PK DETECT

(RBW: 1MHz, VBW: 1MHz)

PK DETECT (RBLW: 1MHz, VBW: 1MHz)												
No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss										
1	2483.50	47.8	46.4	27.0	32.5	2.6	0.0	44.9	43.5	73.9	29.0	30.4
2	4924.00	39.8	39.7	31.4	31.4	4.1	0.7	44.6	44.5	73.9	29.3	29.4
3	7386.00	41.8	40.8	35.9	31.0	4.5	0.6	51.8	50.8	73.9	22.1	23.1
4	9848.00	41.1	40.9	38.8	31.4	5.2	0.9	54.6	54.4	73.9	19.3	19.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
5	12310.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24620.00	44.5	44.7	40.3	30.1	8.0	0.0	53.2	53.4	73.9	20.7	20.5

AV DETECT

(RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss										
		1	2483.50	36.0	34.1	27.0	32.5	2.6	0.0	33.1	31.2	53.9
2	4924.00	28.1	27.7	31.4	31.4	4.1	0.7	32.9	32.5	53.9	21.0	21.4
3	7386.00	29.0	29.0	35.9	31.0	4.5	0.6	39.0	39.0	53.9	14.9	14.9
4	9848.00	28.6	28.6	38.8	31.4	5.2	0.9	42.1	42.1	53.9	11.8	11.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
5	12310.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	24620.00	32.5	32.5	40.3	30.1	8.0	0.0	41.2	41.2	53.9	12.7	12.7

Test Distance 1.0m : Distance Factor(Dfac(1m)) = $20\log(3.0/1.0)$ = 9.5 dB

*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 over the third harmonic, the noise from the EUT was not seen.The data above is its base noise.

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

*NS: No detect Signal.

Radiated Spurious Emission (above 1GHz)

Tx, 11g, 54Mbps, Ch: Low

	UL Japan, Inc.	Head Office EMC Lab. No.2 Semi Anechoic Chamber
Company	Sony EMCS Corporation	Regulation
Equipment	Digital Still Camera	FCC15.247(d) / RSS-210 A8.5
Model	DSC-G3	Test Distance
S/N	0000189	3m (1G-10GHz) / 1m (10GHz-26.5GHz)
Power	AC 120V / 60Hz	Date
Mode	Tx, 11g, 2412MHz, 54Mbps	08/07/2008
Position	H: Y-axis, V: Z-axis	Temperature
		24deg.C.
		Humidity
		73%
		Engineer
		Kazufumi Nakai
		(1GHz-26.5GHz)

PK DETECT

(RBW: 1MHz, VBW: 1MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	49.7	46.1	26.8	32.5	2.6	0.0	46.6	43.0	73.9	27.3	30.9
2	2400.00	65.2	59.3	26.8	32.5	2.6	0.0	62.1	56.2	73.9	11.8	17.7
3	4824.00	40.8	41.0	31.2	31.4	4.1	0.7	45.4	45.6	73.9	28.5	28.3
4	7236.00	41.0	41.3	35.5	31.0	4.4	0.6	50.5	50.8	73.9	23.4	23.1
5	9648.00	40.7	41.2	38.6	31.4	5.2	0.9	54.0	54.5	73.9	19.9	19.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
6	12060.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	14472.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	16884.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	19296.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	21708.00	NS	NS	-	-	-	-	-	-	73.9	-	-
11	24120.00	46.1	45.5	39.9	30.0	7.8	0.0	54.3	53.7	73.9	19.6	20.2

AV DETECT

(RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.00	36.1	32.0	26.8	32.5	2.6	0.0	33.0	28.9	53.9	20.9	25.0
2	2400.00	48.3	42.4	26.8	32.5	2.6	0.0	45.2	39.3	53.9	8.7	14.6
3	4824.00	28.5	29.0	31.2	31.4	4.1	0.7	33.1	33.6	53.9	20.8	20.3
4	7236.00	29.1	29.1	35.5	31.0	4.4	0.6	38.6	38.6	53.9	15.3	15.3
5	9648.00	29.0	29.0	38.6	31.4	5.2	0.9	42.3	42.3	53.9	11.6	11.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
6	12060.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	14472.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	16884.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	19296.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	21708.00	NS	NS	-	-	-	-	-	-	53.9	-	-
11	24120.00	34.2	34.2	39.9	30.0	7.8	0.0	42.4	42.4	53.9	11.5	11.5

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

*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 over the third harmonic, the noise from the EUT was not seen.The data above is its base noise.

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

*NS: No detect Signal.

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

Radiated Spurious Emission

Tx, 11g, 54Mbps, Ch: Mid

Company Sony EMCS Corporation Equipment Digital Still Camera Model DSC-G3 S/N 0000189 Power AC 120V / 60Hz Mode Tx, 11g, 2437MHz, 54Mbps Position H: Y-axis, V: Z-axis	UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber Regulation FCC15.247(d) / RSS-210 A8.5 Test Distance 3m (1G-10GHz) / 1m (10GHz-26.5GHz) Date 08/07/2008 Temperature 24deg.C. Humidity 73% Engineer Kazufumi Nakai (1GHz-26.5GHz)	
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PK DETECT (RBW: 1MHz, VBW: 1MHz)

PK DETECT (KBW: 1MHz, VBW: 1MHz)												
No.	FREQ [MHz]	S/A READING HOR VER [dBuV]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.00	41.5	41.1	31.3	31.4	4.1	0.7	46.2	45.8	73.9	27.7	28.1
2	7311.00	41.4	42.0	35.7	31.0	4.5	0.6	51.2	51.8	73.9	22.7	22.1
3	9748.00	40.7	41.0	38.7	31.4	5.2	0.9	54.1	54.4	73.9	19.8	19.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
4	12185.00	NS	NS	-	-	-	-	-	-	73.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	24370.00	45.7	45.4	40.1	30.0	7.9	0.0	54.2	53.9	73.9	19.7	20.0

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

No.	FREQ [MHz]	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
		[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	4874.00	29.3	29.0	31.3	31.4	4.1	0.7	34.0	33.7	53.9	19.9	20.2
2	7311.00	29.3	29.3	35.7	31.0	4.5	0.6	39.1	39.1	53.9	14.8	14.8
3	9748.00	28.6	28.6	38.7	31.4	5.2	0.9	42.0	42.0	53.9	11.9	11.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
4	12185.00	NS	NS	-	-	-	-	-	-	53.9	-	-
5	14622.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	17059.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	19496.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	21933.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	24370.00	33.2	33.2	40.1	30.0	7.9	0.0	41.7	41.7	53.9	12.2	12.2

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

*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 over the third harmonic, the noise from the EUT was not seen.The data above is its base noise.

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

*NS: No detect Signal.

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

Radiated Spurious Emission

Tx, 11g, 54Mbps, Ch: High

Company Sony EMCS Corporation Equipment Digital Still Camera Model DSC-G3 S/N 0000189 Power AC 120V / 60Hz Mode Tx, 11g, 2462MHz, 54Mbps Position H: Y-axis, V: Z-axis	UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber Regulation FCC15.247(d) / RSS-210 A8.5 Test Distance 3m (1G-10GHz) / 1m (10GHz-26.5GHz) Date 08/07/2008 Temperature 24deg.C. Humidity 73% Engineer Kazufumi Nakai (1GHz-26.5GHz)	
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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 Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[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	2483.50	65.7	62.0	27.0	32.5	2.6	0.0	62.8	59.1	73.9	11.1	14.8
2	4924.00	38.8	40.0	31.4	31.4	4.1	0.7	43.6	44.8	73.9	30.3	29.1
3	7386.00	40.9	41.3	35.9	31.0	4.5	0.6	50.9	51.3	73.9	23.0	22.6
4	9848.00	40.6	41.0	38.8	31.4	5.2	0.9	54.1	54.5	73.9	19.8	19.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
5	12310.00	NS	NS	-	-	-	-	-	-	73.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	73.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	73.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	73.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	73.9	-	-
10	24620.00	44.6	44.6	40.3	30.1	8.0	0.0	53.3	53.3	73.9	20.6	20.6

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.50	48.7	45.1	27.0	32.5	2.6	0.0	45.8	42.2	53.9	8.1	11.7
2	4924.00	27.5	27.9	31.4	31.4	4.1	0.7	32.3	32.7	53.9	21.6	21.2
3	7386.00	29.1	29.1	35.9	31.0	4.5	0.6	39.1	39.1	53.9	14.8	14.8
4	9848.00	28.4	28.4	38.8	31.4	5.2	0.9	41.9	41.9	53.9	12.0	12.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac(1m)												
5	12310.00	NS	NS	-	-	-	-	-	-	53.9	-	-
6	14772.00	NS	NS	-	-	-	-	-	-	53.9	-	-
7	17234.00	NS	NS	-	-	-	-	-	-	53.9	-	-
8	19696.00	NS	NS	-	-	-	-	-	-	53.9	-	-
9	22158.00	NS	NS	-	-	-	-	-	-	53.9	-	-
10	24620.00	32.5	32.5	40.3	30.1	8.0	0.0	41.2	41.2	53.9	12.7	12.7

Test Distance 1.0m : Distance Factor(Dfac(1m)) = 20log(3.0/1.0) = 9.5 dB

*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 over the third harmonic, the noise from the EUT was not seen.The data above is its base noise.

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

*NS: No detect Signal.

Radiated Spurious Emission

Rx, 11b/g, Ch: Mid

UL Japan, Inc.

Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company Sony EMCS Corporation

Equipment Digital Still Camera

Model DSC-G3

S/N 0000189

Power AC 120V / 60Hz

Mode Rx, 11b/g, 2437MHz

Position H: Y-axis, V: Z-axis

Regulation FCC15.247(d) / RSS-210 A8.5

Test Distance 3m (1G-10GHz)

Date 08/07/2008

Temperature 24deg.C.

Humidity 73%

Engineer Kazufumi Nakai

(1GHz-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
		[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	2437.00	41.8	42.3	26.9	32.5	2.6	0.0	38.8	39.3	73.9	35.1	34.6

AV DETECT

(RBW: 1MHz, VBW: 10Hz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2437.00	29.1	29.1	26.9	32.5	2.6	0.0	26.1	26.1	53.9	27.8	27.8

*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.

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

*NS: No detect Signal.

UL Japan, Inc.

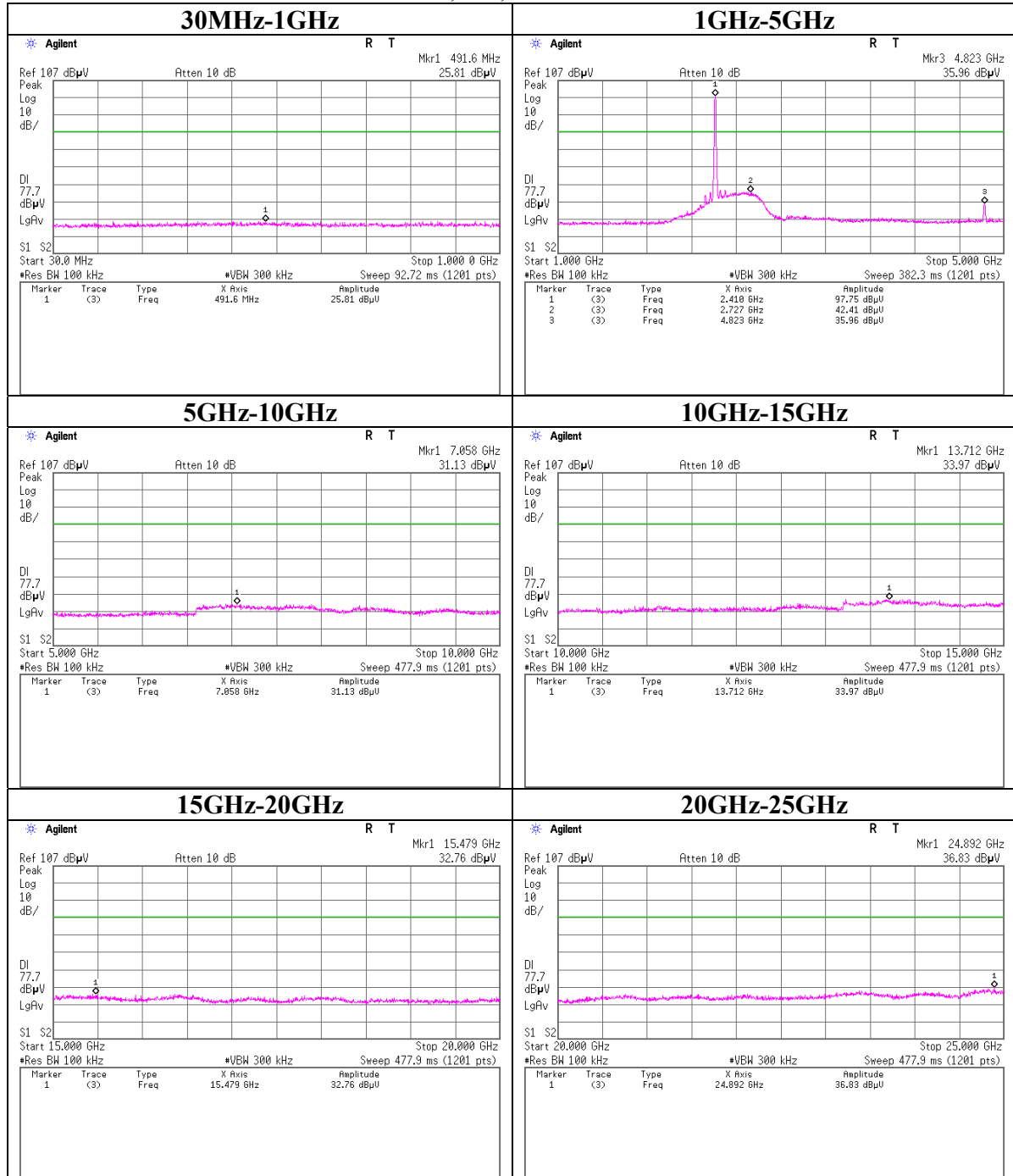
Head Office EMC Lab.

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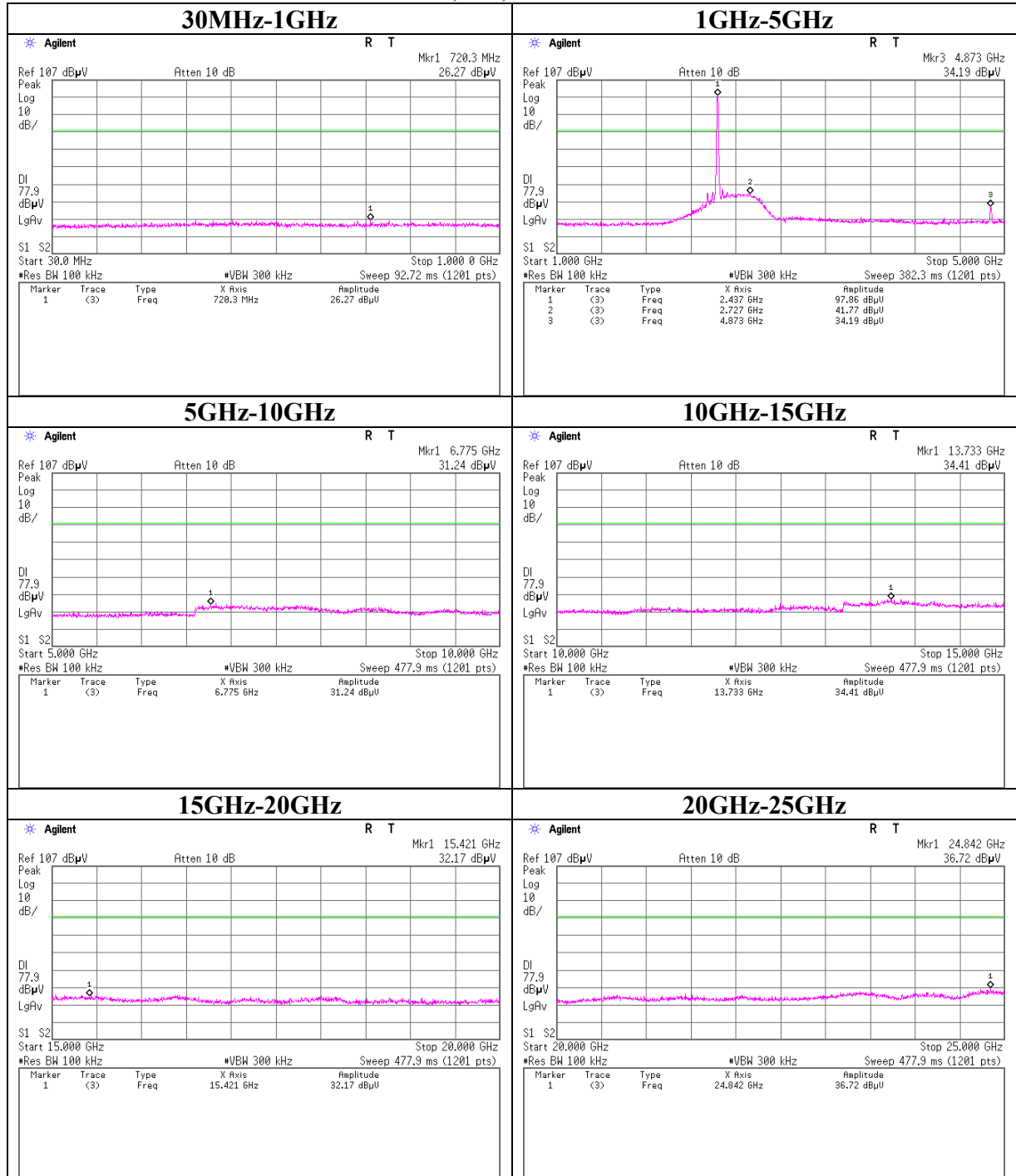
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

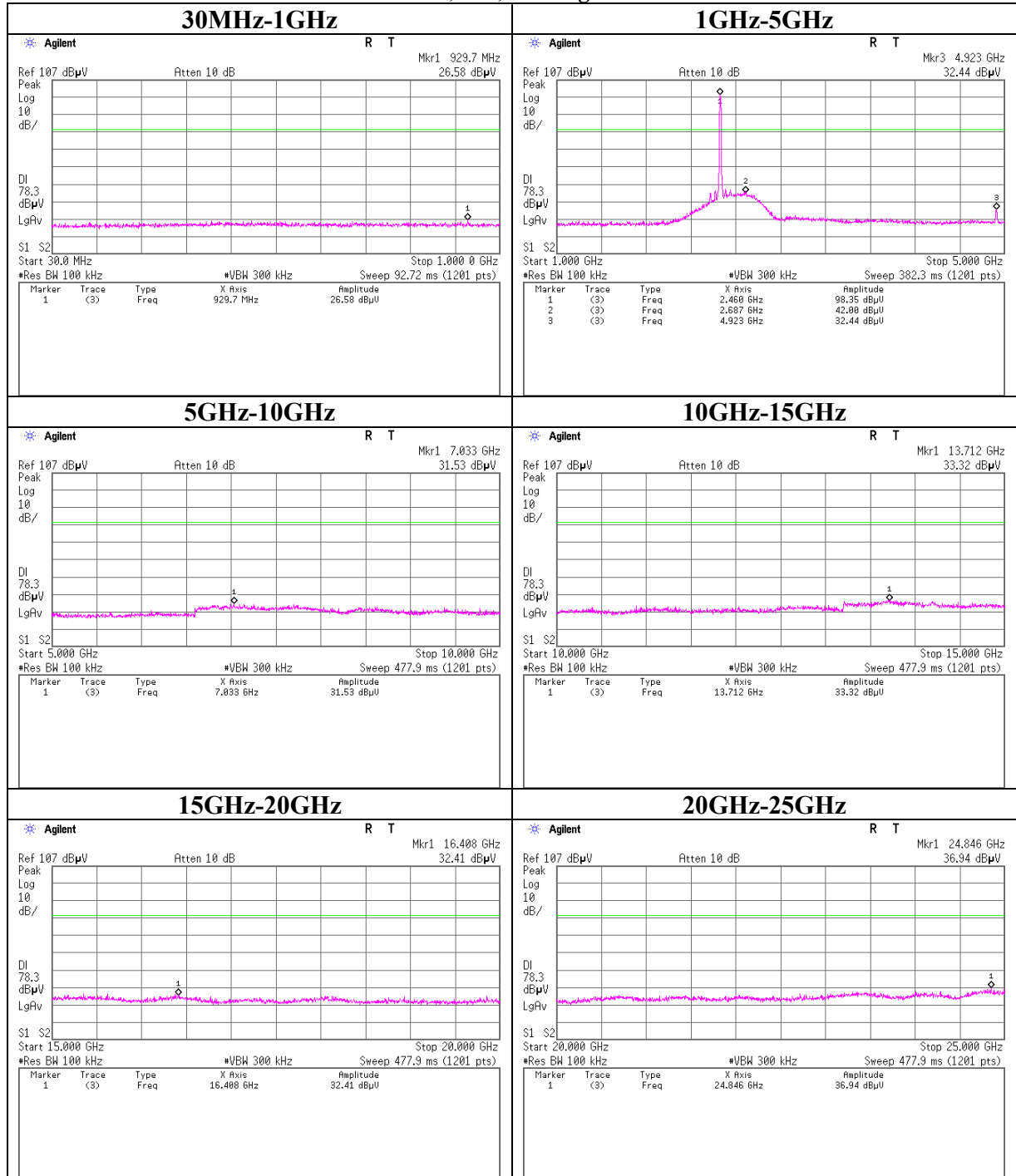
Conducted Spurious Emission
Tx, 11b, Ch: Low



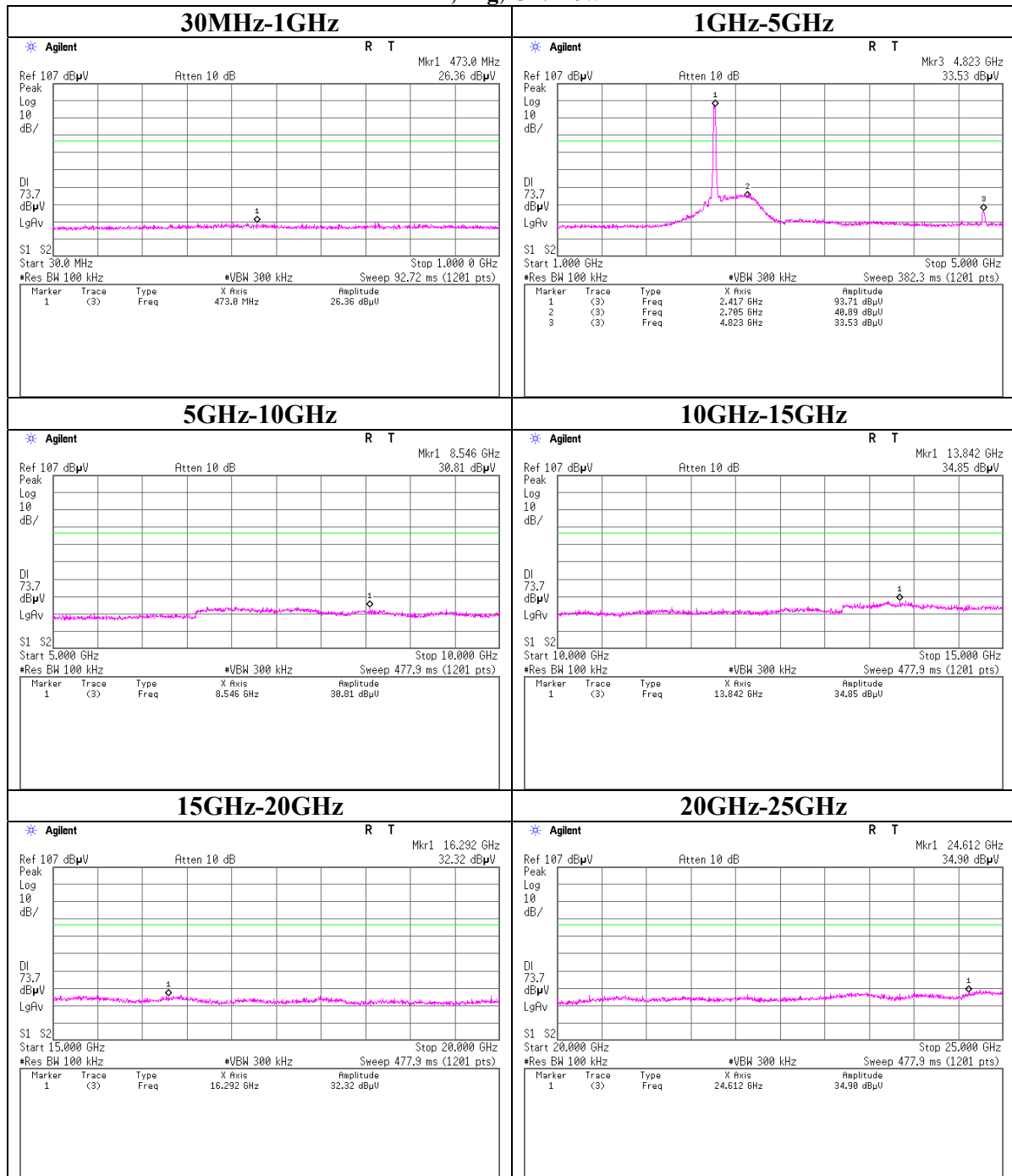
Conducted Spurious Emission
Tx, 11b, Ch: Mid



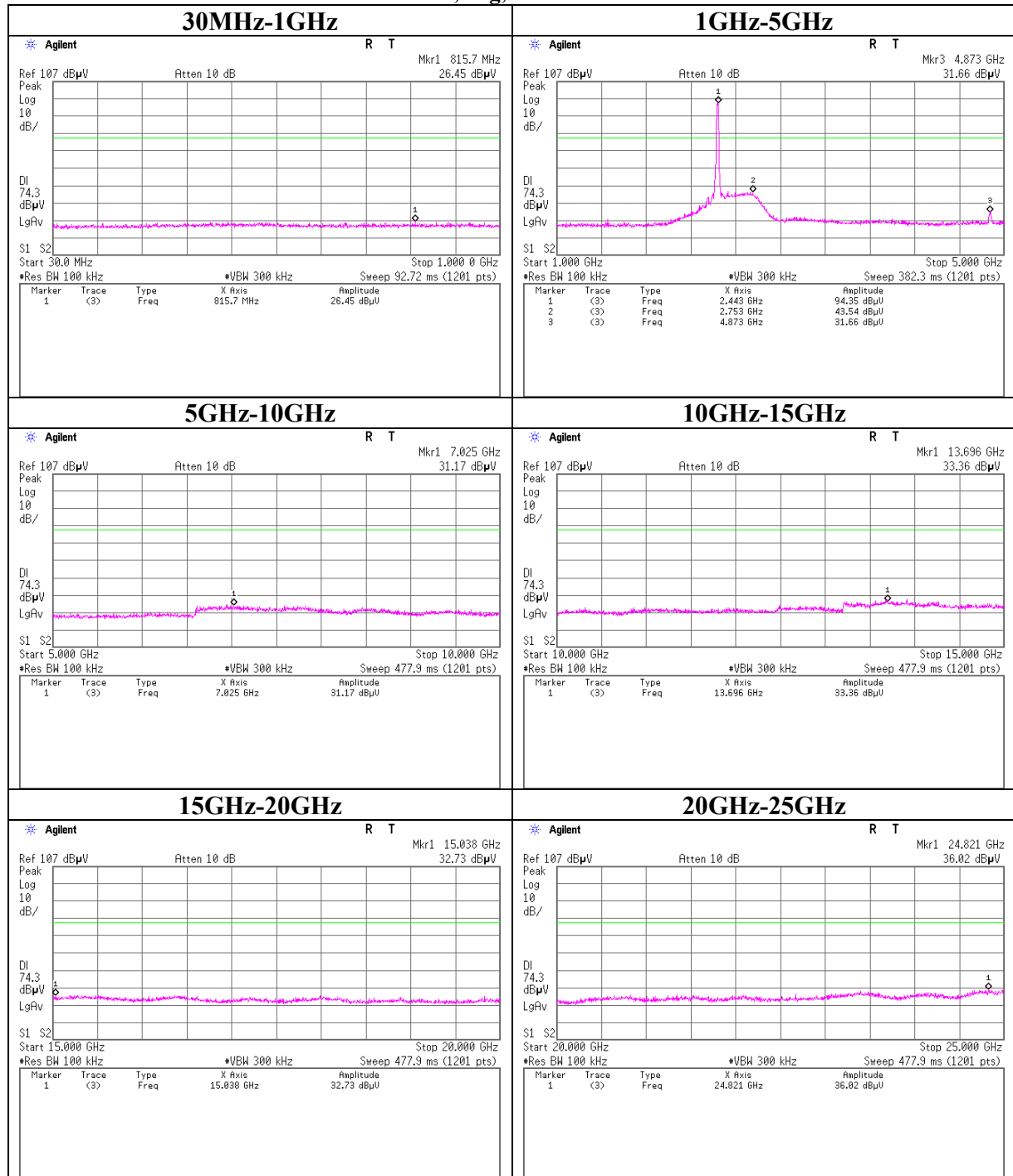
Conducted Spurious Emission
Tx, 11b, Ch: High



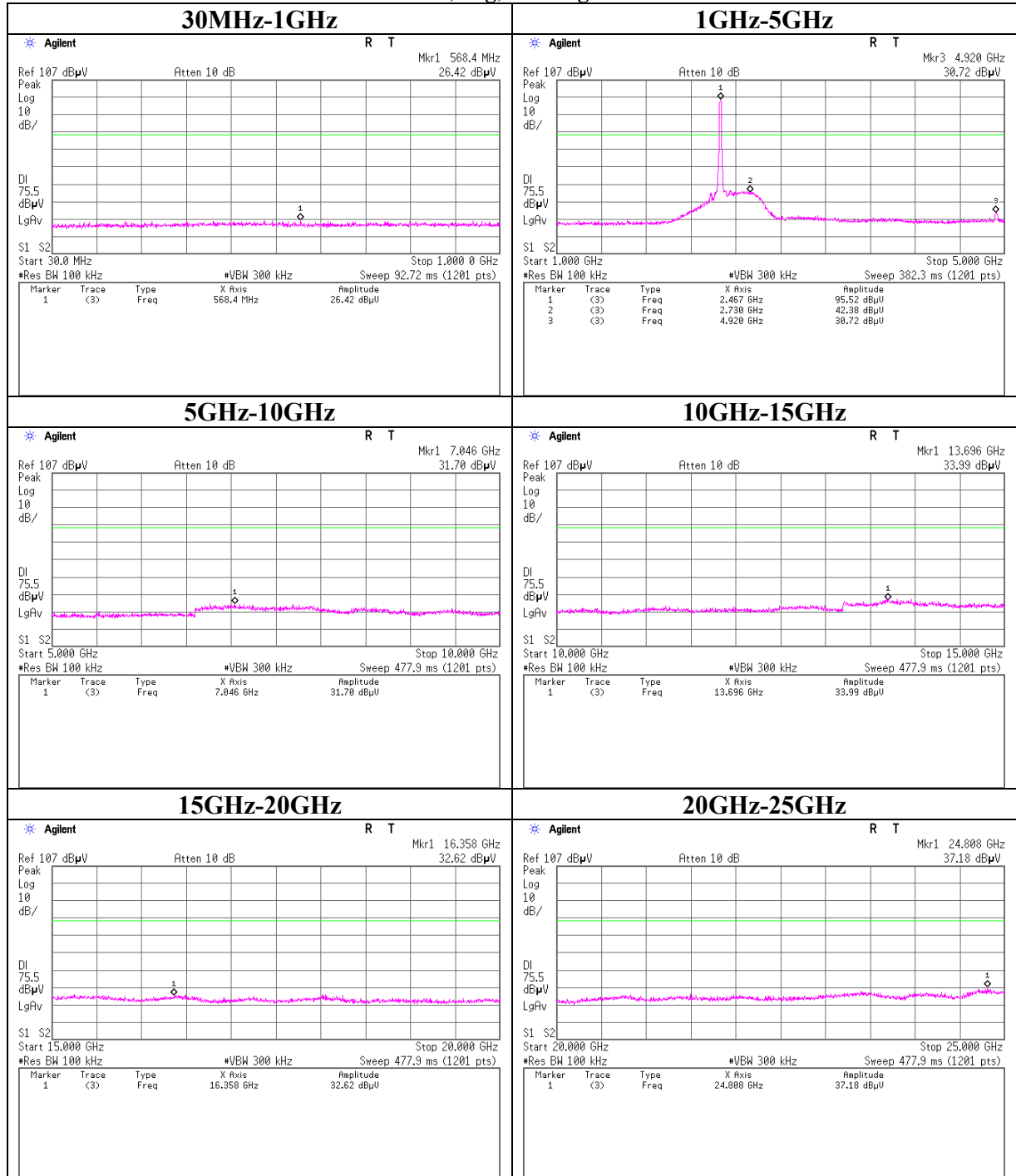
Conducted Spurious Emission
Tx, 11g, Ch: Low



Conducted Spurious Emission
Tx, 11g, Ch: Mid

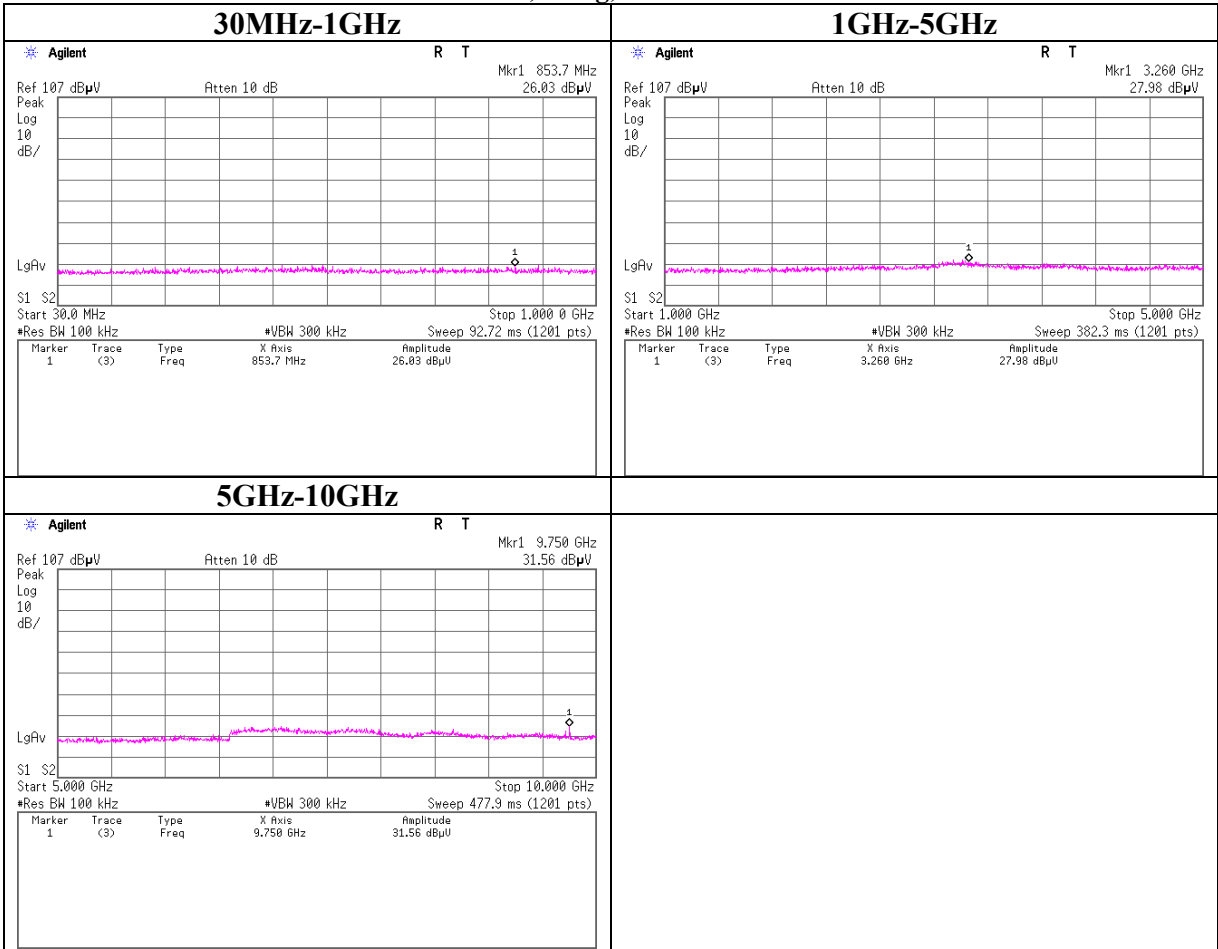


Conducted Spurious Emission
Tx, 11g, Ch: High

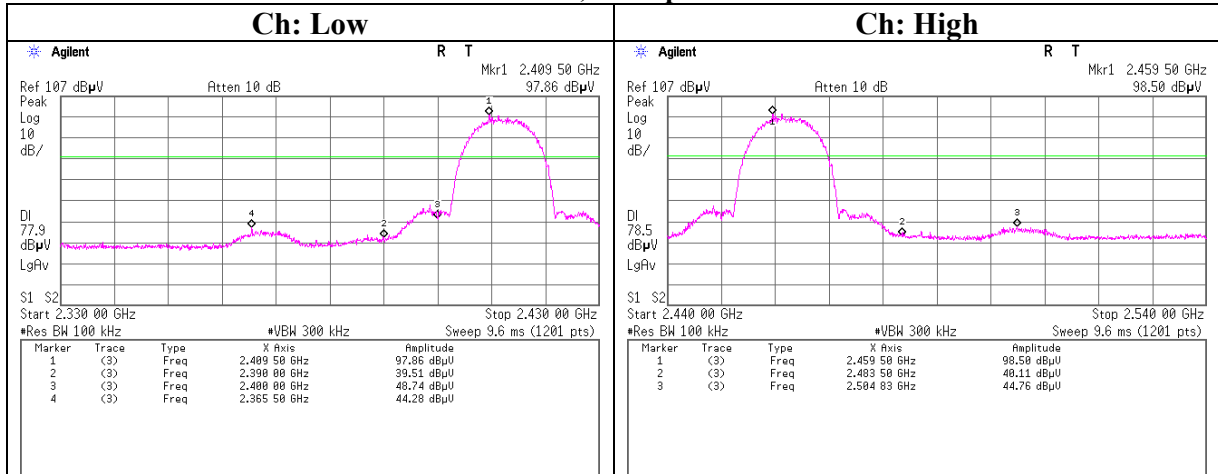


Conducted Spurious Emission

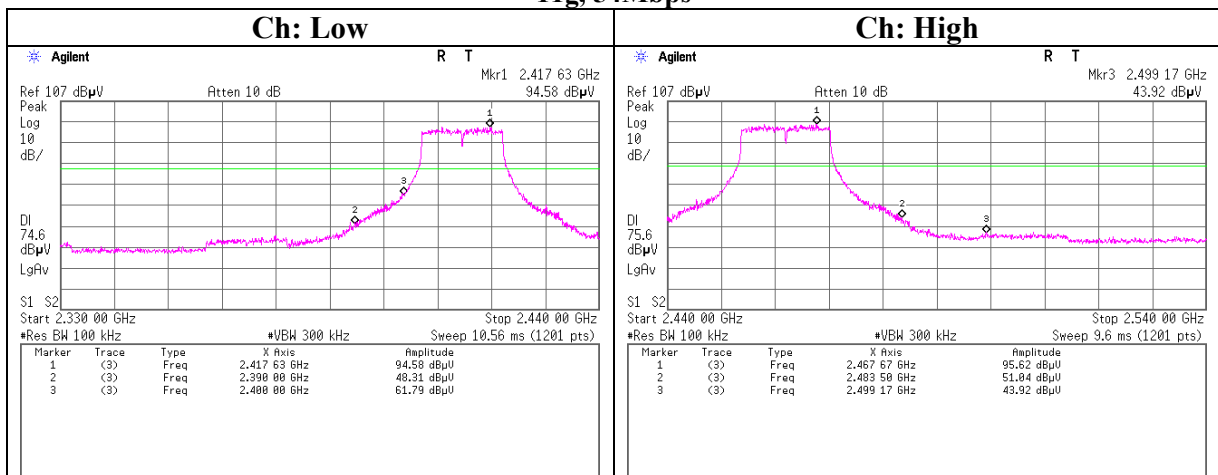
Rx, 11b/g, Ch: Mid



Conducted emission Band Edge compliance 11b, 11Mbps



11g, 54Mbps



Power Density

UL Japan, Inc.

Head Office EMC Lab. No.7 Shielded Room

Test Report No.

Company : Sony EMCS Corporation
Equipment : Digital Still Camera
Model No. : DSC-G3
Serial No. : 0000187
Power : AC120V/60Hz
Mode : Tx 11b/g

Regulation : FCC15.247(e)/RSS-210A8.2(b)
Test distance : -
Date : 08/06/2008
Temperature : 26°C
Humidity : 55%
Engineer : Takumi Shimada

[IEEE802.11b] 11Mbps(worst)

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2410.9	-24.97	2.0	10.0	-13.0	8.0	21.0
Mid	2438.4	-25.29	2.0	10.0	-13.3	8.0	21.3
High	2462.7	-24.22	2.0	10.0	-12.3	8.0	20.3

Sample Calculation:

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

[IEEE802.11g] 54Mbps(worst)

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2413.2	-28.15	2.0	10.0	-16.2	8.0	24.2
Mid	2438.5	-27.16	2.0	10.0	-15.2	8.0	23.2
High	2464.8	-26.26	2.0	10.0	-14.3	8.0	22.3

Sample Calculation:

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

UL Japan, Inc.

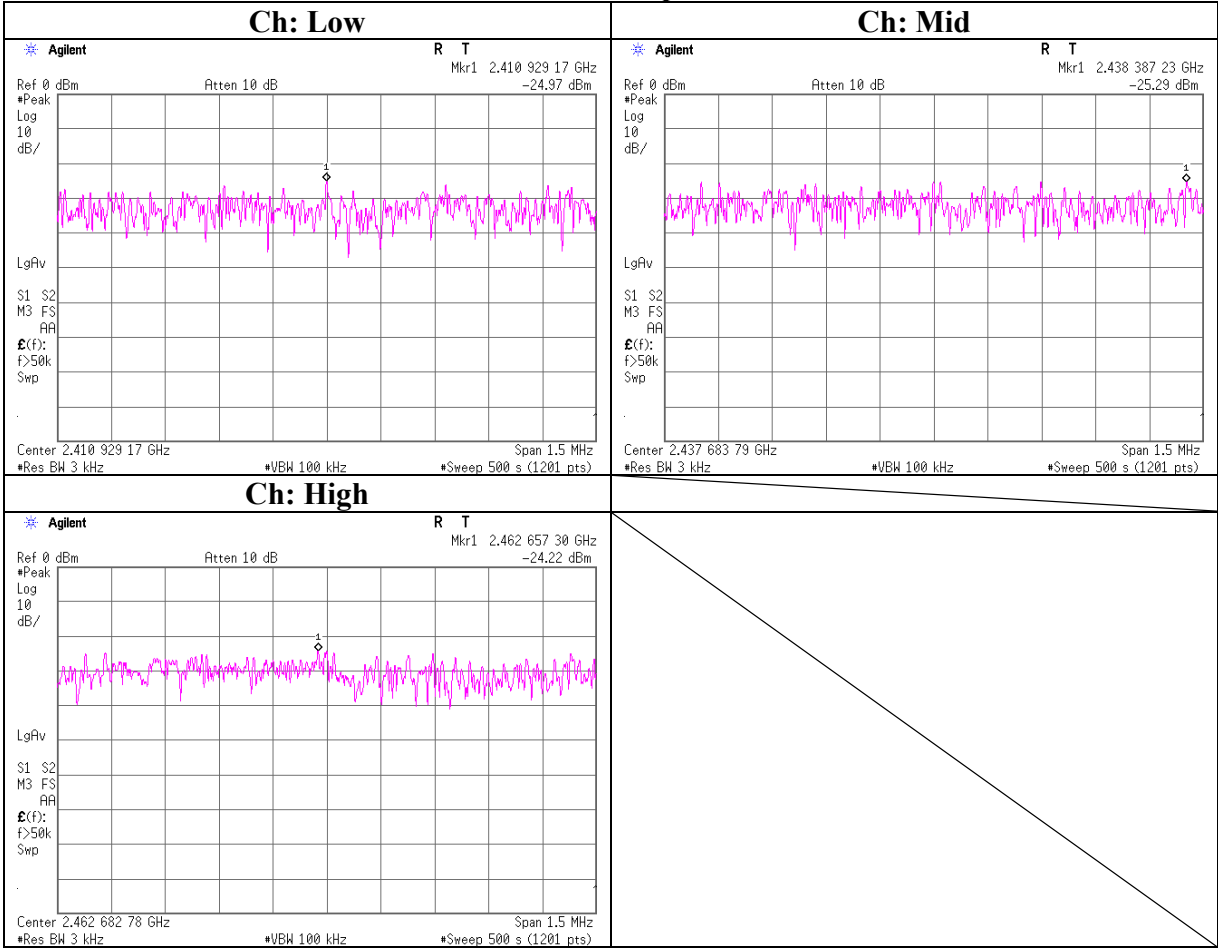
Head Office EMC Lab.

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

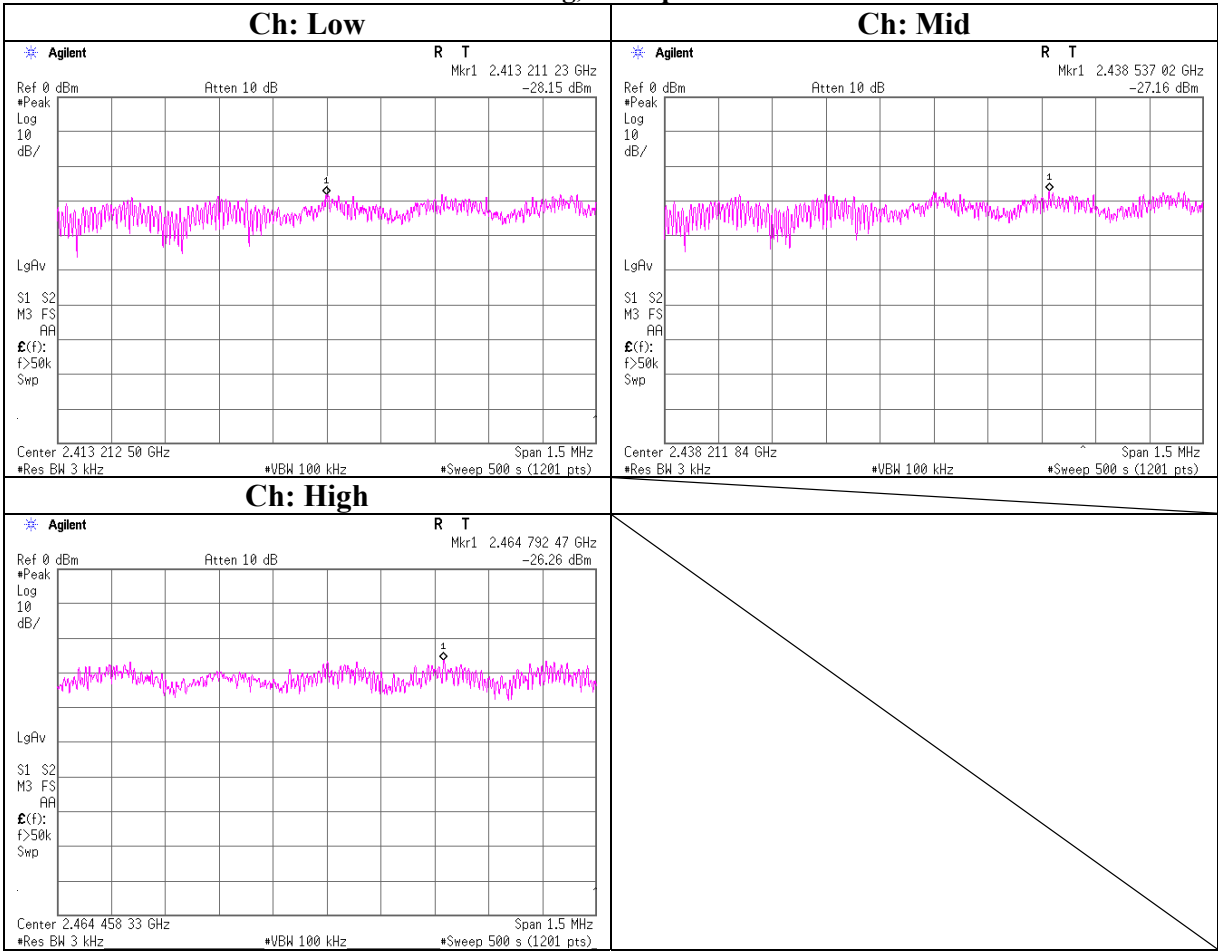
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

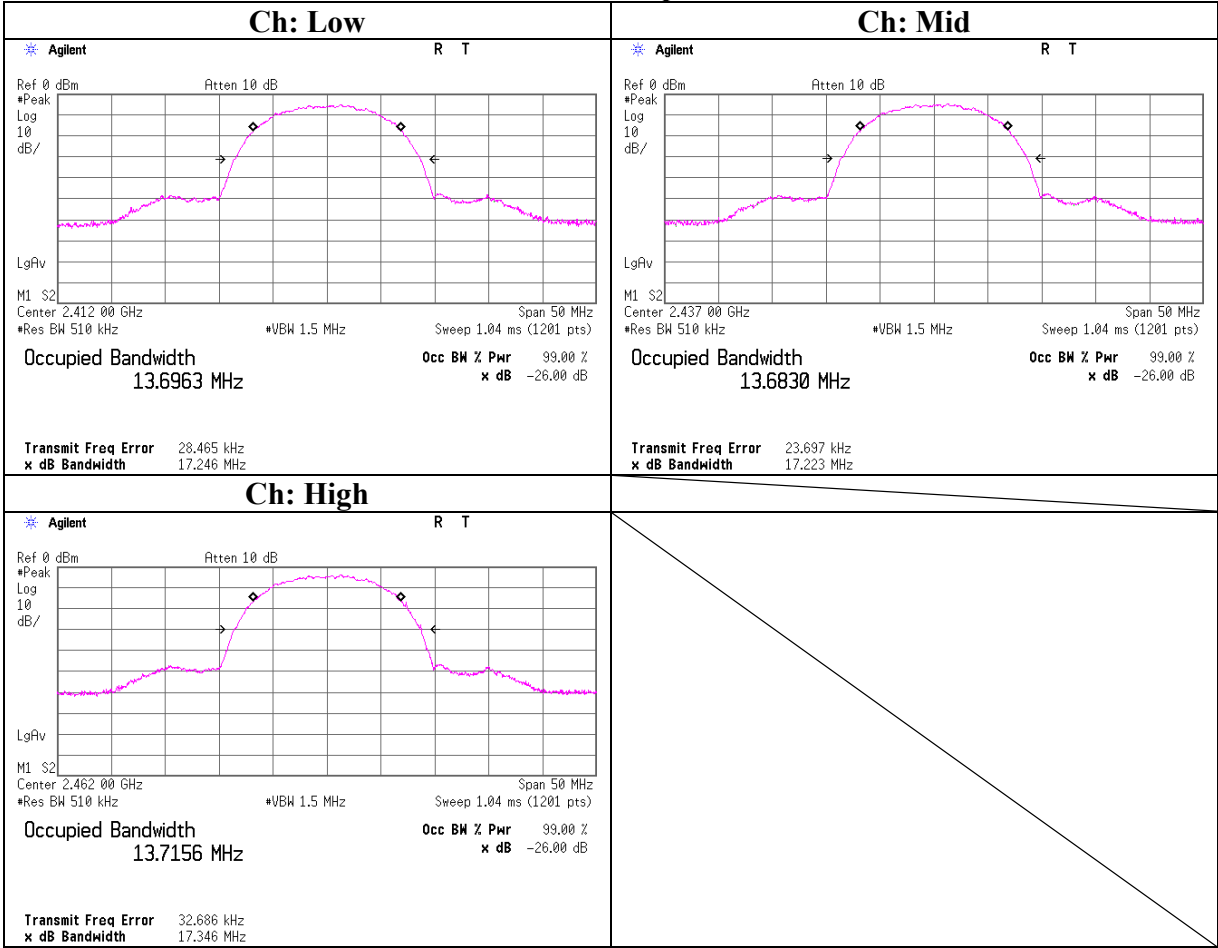
Power Density
11b, 11Mbps



Power Density
11g, 54Mbps



99%Occupied Bandwidth
11b, 11Mbps



APPENDIX 3:Test instruments

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MSA-10	Spectrum Analyzer	Agilent	E4448A	AT	2008/02/27 * 12
MPM-08	Power Meter	Anritsu	ML2495A	AT	2007/09/12 * 12
MPSE-11	Power sensor	Anritsu	MA2411B	AT	2007/09/12 * 12
MOS-04	Digital Humidity Indicator	N.T	NT-1800	AT	2007/11/12 * 12
MCC-67	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	AT	2008/04/04 * 12
MAT-24	Attenuator(10dB) (above1GHz)	Agilent	8493C	AT	2008/06/25 * 12
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE/CE	2008/04/17 * 12
MOS-22	Thermo-Hygrometer	Custom	CTH-201	RE/CE	2007/12/27 * 12
MJM-05	Measure	PROMART	SEN1955	RE/CE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MRENT-62	Spectrum Analyzer	Agilent	E4448A	RE/CE	2007/11/27 * 12
MHA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2008/01/19 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2008/05/12 * 12
MPA-10	Pre Amplifier	Agilent	8449B	RE	2007/09/27 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2008/01/19 * 12
MHF-18	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCA	RE	2007/12/10 * 12
MCC-77	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/10/21 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/10/21 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	RE/CE	2008/04/02 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2007/11/13 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2008/02/15 * 12
MPA-09	Pre Amplifier	Agilent	8447D	RE	2007/09/13 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE(EUT)	2008/02/19 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE(AE)	2008/02/20 * 12
MCC-13	Coaxial Cable	Fujikura/Agilent	-	CE	2008/02/15 * 12
MTA-07	Terminator	MCL	BTRM-50	CE	2008/02/04 * 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
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