

APPENDIX 2: Data of EMI test

**Conducted Emission
IEEE802.11b Ch: Low**

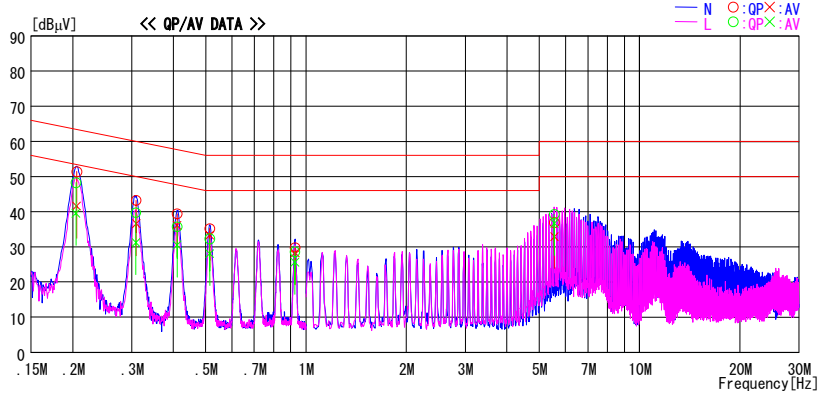
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2006/10/23 14:10:06

Company : RICOH COMPANY,LTD
Kind of EUT : Digital Camera
Model No. : Capio 500SE-W
Serial No. : 00010047
Report No. : 26IE0327-HO
Power : AC120V / 60Hz
Temp./Humi. : 24deg.C / 68%
Operator : Shinya Watanabe

Mode / Remarks: TX 11b / 11Mbps Lch

LIMIT : FCC15C §15.207 (QP)/ RSS-Gen 7.2.2
FCC15C §15.207 (AV)/ RSS-Gen 7.2.2



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
0.20525	51.2	41.4	0.2	51.4	41.6	63.4	53.4	12.0	11.8	N
0.30980	43.0	36.4	0.2	43.2	36.6	60.0	50.0	16.8	13.4	N
0.41095	39.2	35.9	0.2	39.4	36.1	57.6	47.6	18.2	11.5	N
0.51465	34.9	33.0	0.3	35.2	33.3	56.0	46.0	20.8	12.7	N
0.92776	29.5	28.0	0.3	29.8	28.3	56.0	46.0	26.2	17.7	N
5.55398	36.1	32.1	0.8	36.9	32.9	60.0	50.0	23.1	17.1	N
0.20440	48.1	39.3	0.2	48.3	39.5	63.4	53.4	15.1	13.9	L
0.30895	39.5	31.0	0.2	39.7	31.2	60.0	50.0	20.3	18.8	L
0.41095	35.5	30.3	0.2	35.7	30.5	57.6	47.6	21.9	17.1	L
0.51465	32.0	27.8	0.3	32.3	28.1	56.0	46.0	23.7	17.9	L
0.92691	28.3	25.3	0.3	28.6	25.6	56.0	46.0	27.4	20.4	L
5.55398	38.5	35.9	0.8	39.3	36.7	60.0	50.0	20.7	13.3	L

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

Conducted Emission IEEE802.11b Ch: Low

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
 Date : 2006/10/23 14:10:06

Company : RICOH COMPANY, LTD Kind of EUT : Digital Camera Model No. : Capio 500SE-W Serial No. : 00010047	Report No. : 26IE0327-H0 Power : AC120V / 60Hz Temp./Humi. : 24deg. C / 68% Operator : Shinya Watanabe
Mode / Remarks : TX 11b / 11Mbps Lch	
LIMIT : FCC15C § 15.207 (QP) / RSS-Gen 7.2.2 FCC15C § 15.207 (AV) / RSS-Gen 7.2.2	

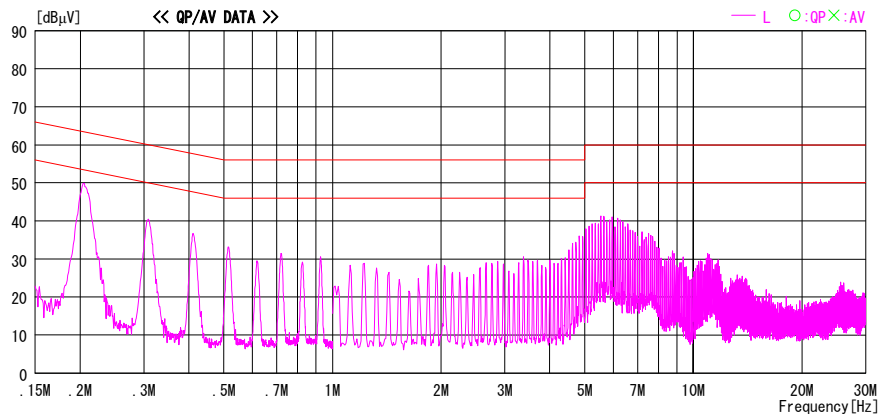
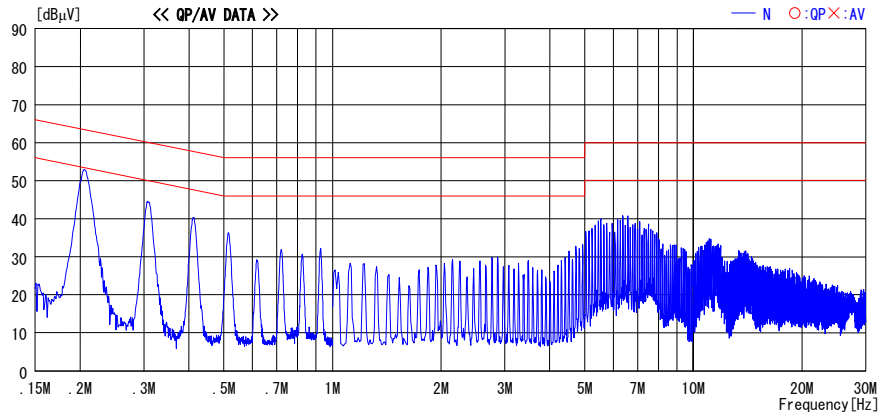


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission IEEE802.11b Ch: Mid

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/23 14:27:44

Company : RICOH COMPANY, LTD Kind of EUT : Digital Camera Model No. : Capio 500SE-W Serial No. : 00010047	Report No. : 26IE0327-HO Power : AC120V / 60Hz Temp./Humi. : 24deg. C / 68% Operator : Shinya Watanabe
Mode / Remarks : TX 11b / 11Mbps Mch	
LIMIT : FCC15C §15.207 (QP) / RSS-Gen 7.2.2 FCC15C §15.207 (AV) / RSS-Gen 7.2.2	

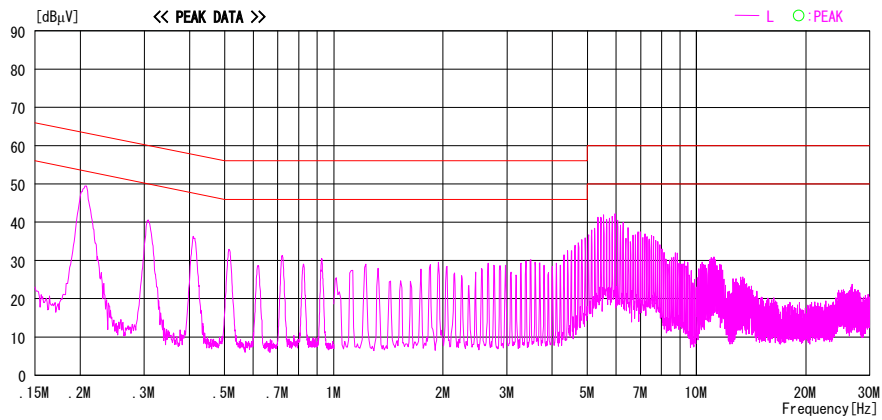
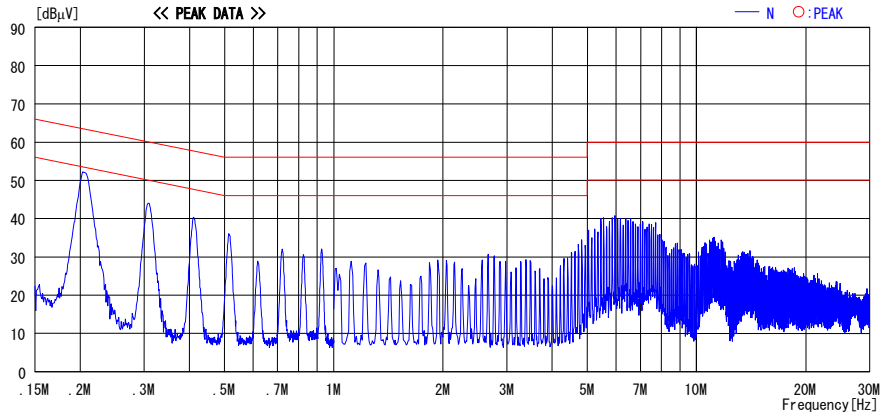


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission IEEE802.11b Ch: High

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/23 14:34:27

Company	: RICOH COMPANY, LTD	Report No.	: 26IE0327-H0
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz
Model No.	: Capio 500SE-W	Temp./Humi.	: 24deg. C / 68%
Serial No.	: 00010047	Operator	: Shinya Watanabe
Mode / Remarks	: TX 11b / 11Mbps Hch		

LIMIT : FCC15C §15.207 (QP) / RSS-Gen 7.2.2
 FCC15C §15.207 (AV) / RSS-Gen 7.2.2

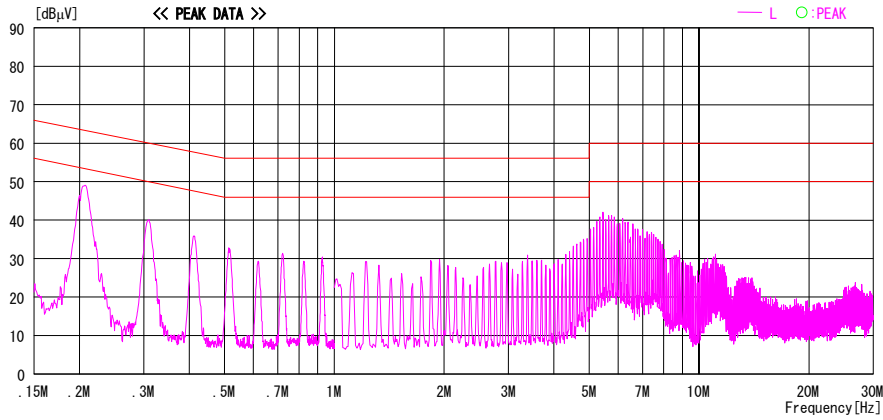
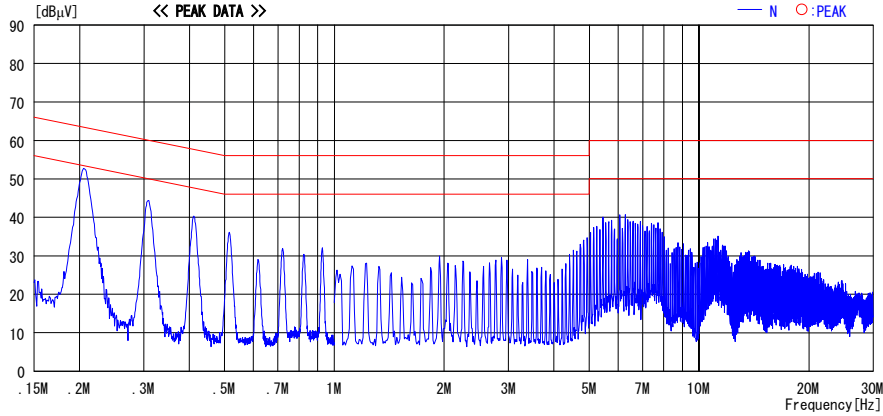


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C. F (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission
IEEE802.11g Ch: Low

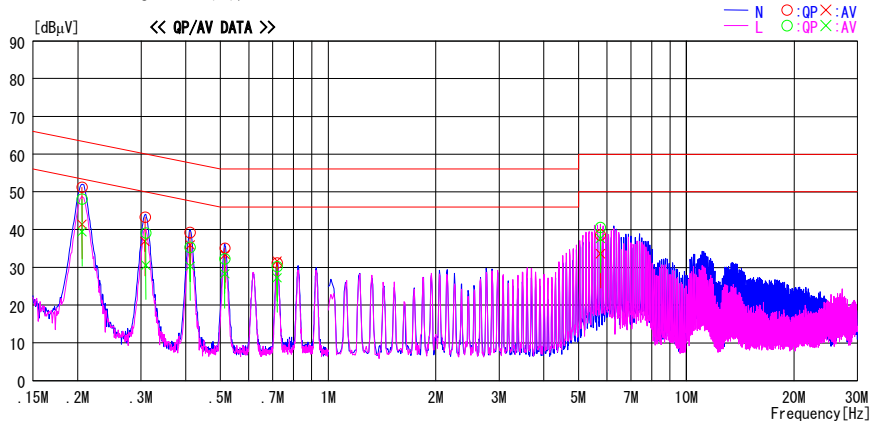
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/23 14:41:44

Company : RICOH COMPANY, LTD
Kind of EUT : Digital Camera
Model No. : Caplio 500SE-W
Serial No. : 00010047
Report No. : 26IE0327-H0
Power : AC120V / 60Hz
Temp./Humi. : 24deg. C / 68%
Operator : Shinya Watanabe

Mode / Remarks : TX 11g / 54Mbps Lch

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen 7.2.2
FCC15C § 15.207 (AV) / RSS-Gen 7.2.2



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
0.20525	51.0	41.2	0.2	51.2	41.4	63.4	53.4	12.2	12.0	N
0.30810	43.1	36.7	0.2	43.3	36.9	60.0	50.0	16.7	13.1	N
0.41180	39.0	35.7	0.2	39.2	35.9	57.6	47.6	18.4	11.7	N
0.51550	34.8	33.1	0.3	35.1	33.4	56.0	46.0	20.9	12.6	N
0.72035	30.9	31.4	0.3	31.2	31.7	56.0	46.0	24.8	14.3	N
5.76097	37.8	32.8	0.8	38.6	33.6	60.0	50.0	21.4	16.4	N
0.20525	47.9	39.2	0.2	48.1	39.4	63.4	53.4	15.3	14.0	L
0.30980	38.9	30.4	0.2	39.1	30.6	60.0	50.0	20.9	19.4	L
0.41180	35.1	30.1	0.2	35.3	30.3	57.6	47.6	22.3	17.3	L
0.51465	32.0	28.0	0.3	32.3	28.3	56.0	46.0	23.7	17.7	L
0.72035	29.9	26.9	0.3	30.2	27.2	56.0	46.0	25.8	18.8	L
5.76097	39.8	36.9	0.8	40.6	37.7	60.0	50.0	19.4	12.3	L

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

Conducted Emission IEEE802.11g Ch: Low

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2006/10/23 14:41:44

Company : RICOH COMPANY, LTD
 Kind of EUT : Digital Camera
 Model No. : Caplio 500SE-W
 Serial No. : 00010047

Report No. : 26IE0327-HO
 Power : AC120V / 60Hz
 Temp./Humi. : 24deg. C / 68%
 Operator : Shinya Watanabe

Mode / Remarks : TX 11g / 54Mbps Lch

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen 7.2.2
 FCC15C § 15.207 (AV) / RSS-Gen 7.2.2

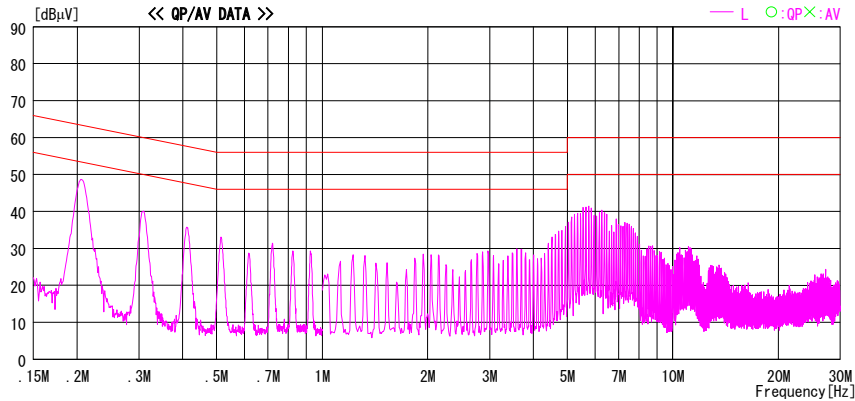
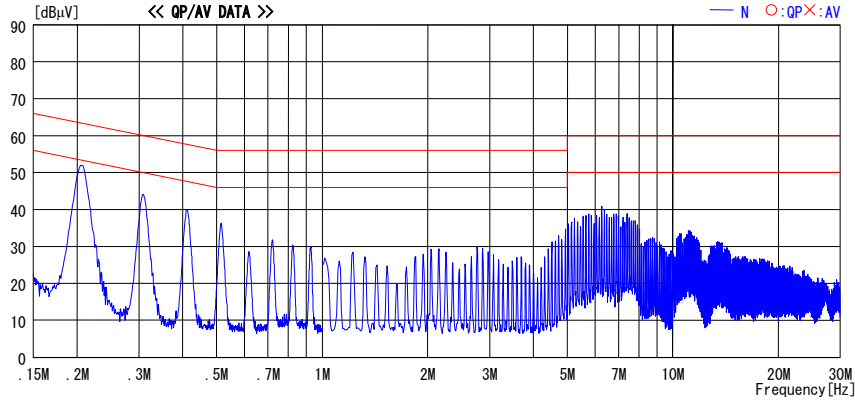


CHART: WITH FACTOR. Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission IEEE802.11g Ch: Mid

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/23 13:33:15

Company : RICOH COMPANY, LTD
 Kind of EUT : Digital Camera
 Model No. : Capio 500SE-W
 Serial No. : 00010047

Report No. : 26IE0327-HO
 Power : AC120V / 60Hz
 Temp./Humi. : 24deg.C / 68%
 Operator : Shinya Watanabe

Mode / Remarks : TX 11g / 54Mbps Mch

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen 7.2.2
 FCC15C § 15.207 (AV) / RSS-Gen 7.2.2

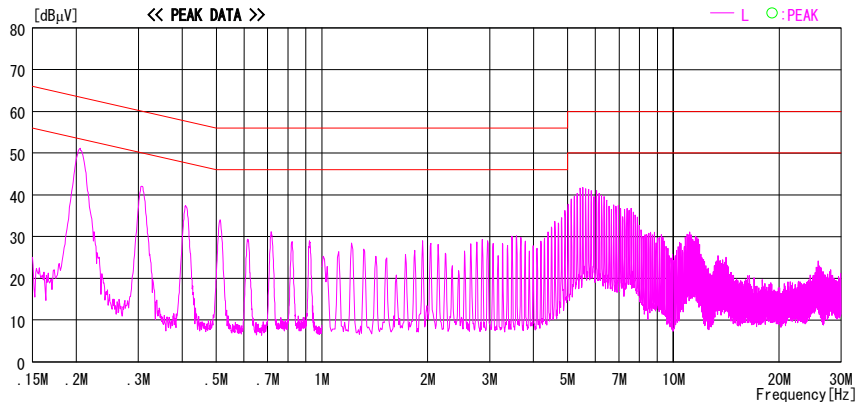
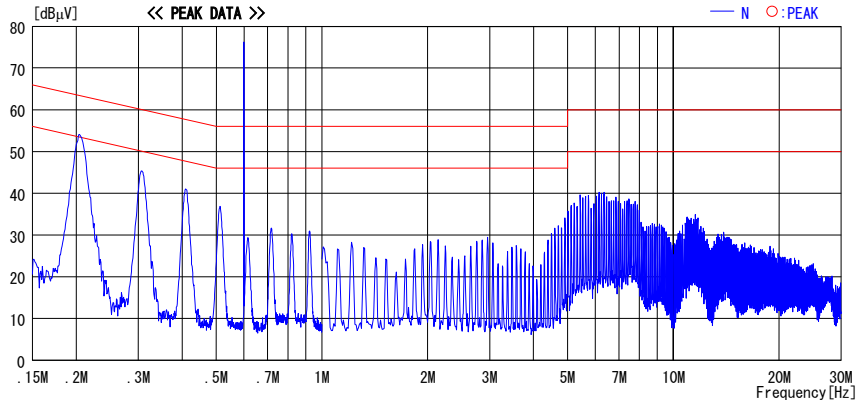


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCURATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission
IEEE802.11g Ch: High

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/23 14:57:39

Company	: RICOH COMPANY, LTD	Report No.	: 26IE0327-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz
Model No.	: Capio 500SE-W	Temp./Humi.	: 24deg. C / 68%
Serial No.	: 00010047	Operator	: Shinya Watanabe
Mode / Remarks : TX 11g / 54Mbps Hch			
LIMIT : FCC15C §15.207 (QP) / RSS-Gen 7.2.2			
FCC15C §15.207 (AV) / RSS-Gen 7.2.2			

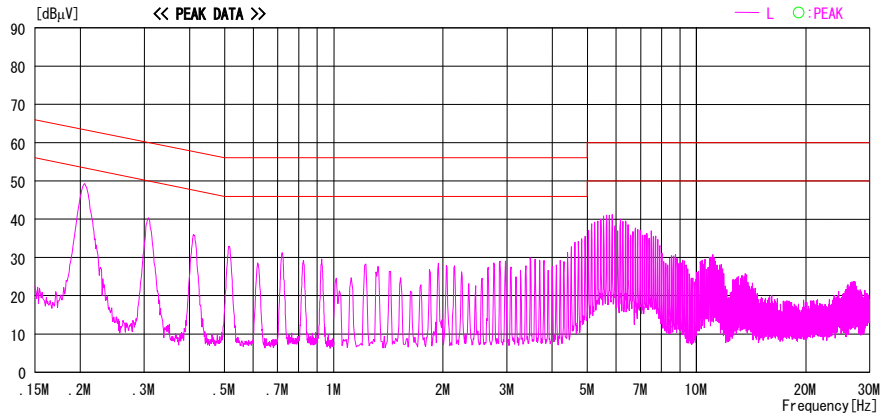
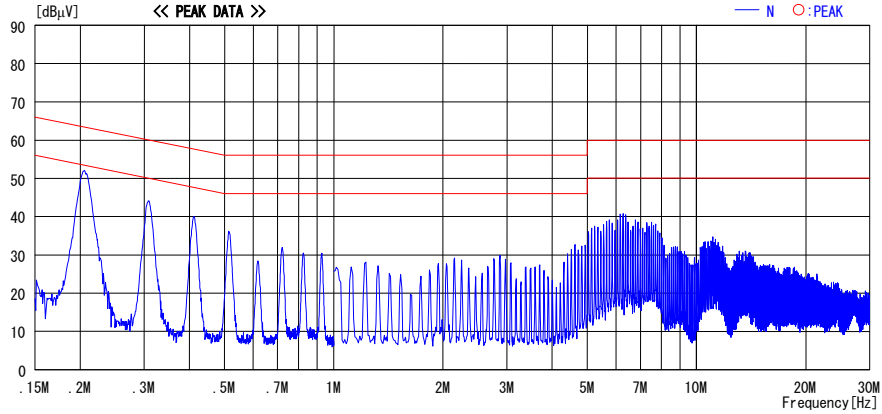


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission
IEEE802.11b Rx Mid

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2006/10/23 15:13:32

Company	: RICHU COMPANY,LTD	Report No.	: 26IE0327-HO
Kind of EUT	: Digital Camera	Power	: AC120V / 60Hz
Model No.	: Capio 500SE-W	Temp./Humi.	: 24deg. C / 68%
Serial No.	: 00010047	Operator	: Shinya Watanabe

Mode / Remarks : RX 11b / 11Mbps Mch

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen 7.2.2
 FCC15C § 15.207 (AV) / RSS-Gen 7.2.2

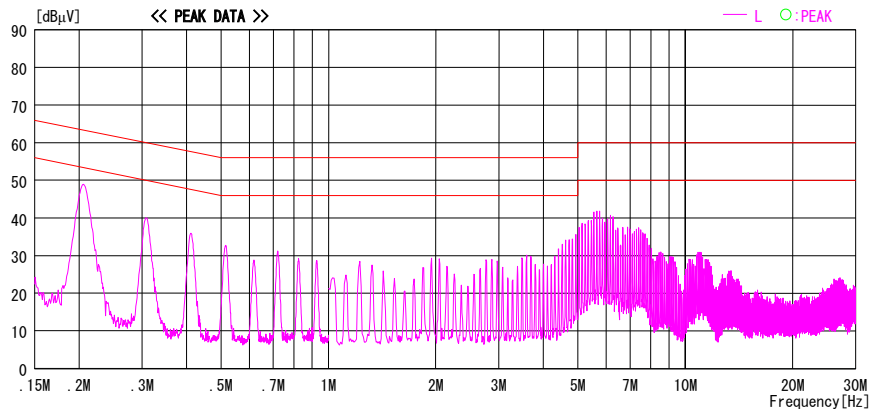
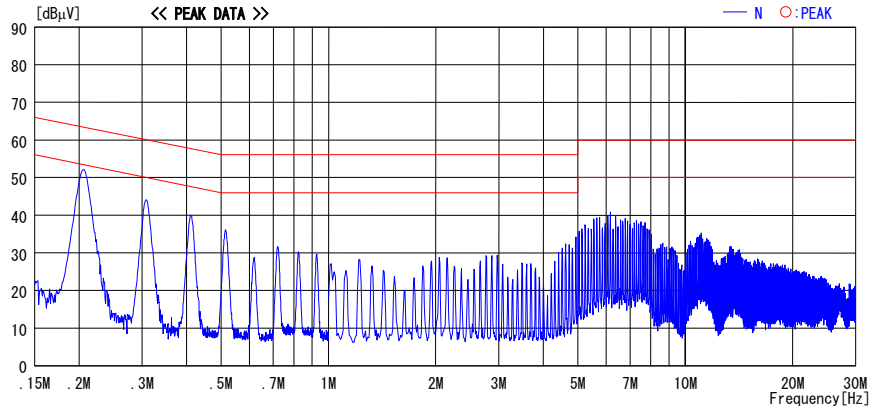


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission IEEE802.11g Rx Mid

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi. Anechoic Chamber
 Date : 2006/10/23 15:19:14

Company : RICOH COMPANY, LTD
 Kind of EUT : Digital Camera
 Model No. : Capio 500SE-W
 Serial No. : 00010047

Report No. : 26IE0327-HO
 Power : AC120V / 60Hz
 Temp./Humi. : 24deg. C / 68%
 Operator : Shinya Watanabe

Mode / Remarks : RX 11g / 54Mbps Mch

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen 7.2.2
 FCC15C § 15.207 (AV) / RSS-Gen 7.2.2

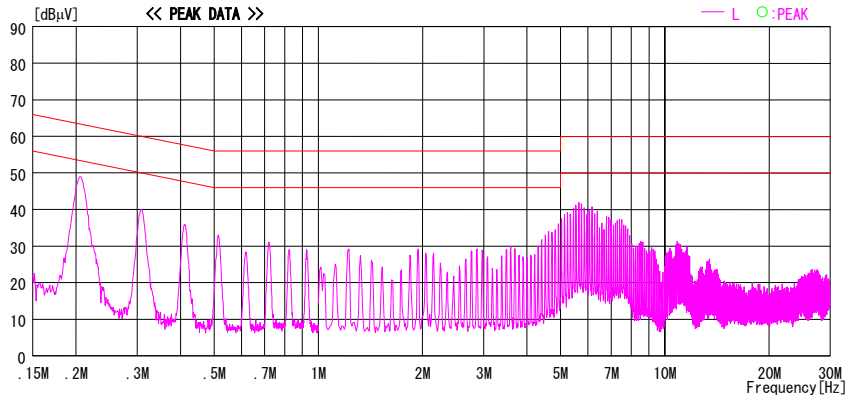
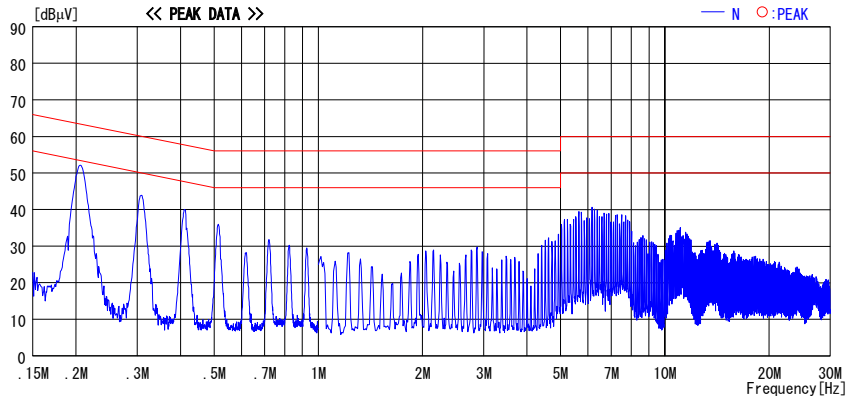


CHART: WITH FACTOR, Peak hold data. Data is uncorrected. CALCULATION: RESULT=READING+C.F (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

6dB Bandwidth

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

Company : RICOH COMPANY, LTD.
Equipment : Digital Camera
Model : Caplio 500SE-W
Sample No. : 00010047
Power : DC3.8V
Mode : Tx(Ch L, M, H)

REPORT NO : 26IE0327-HO
REGULATION : FCC15.247(a)(2)/RSS-210A8.2(1)
TEST DISTANCE : -
DATE : 2006/10/13
TEMPERATURE : 25deg.C.
HUMIDITY : 56%
ENGINEER : Hiroka Umeyama

[IEEE802.11b:11Mbps]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	10.029	>500
Mid	2437.0	10.076	>500
High	2462.0	10.500	>500

[IEEE802.11g:9Mbps]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	15.132	>500
Mid	2437.0	15.100	>500
High	2462.0	15.086	>500

UL Apex Co., Ltd.

Head Office EMC Lab.

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

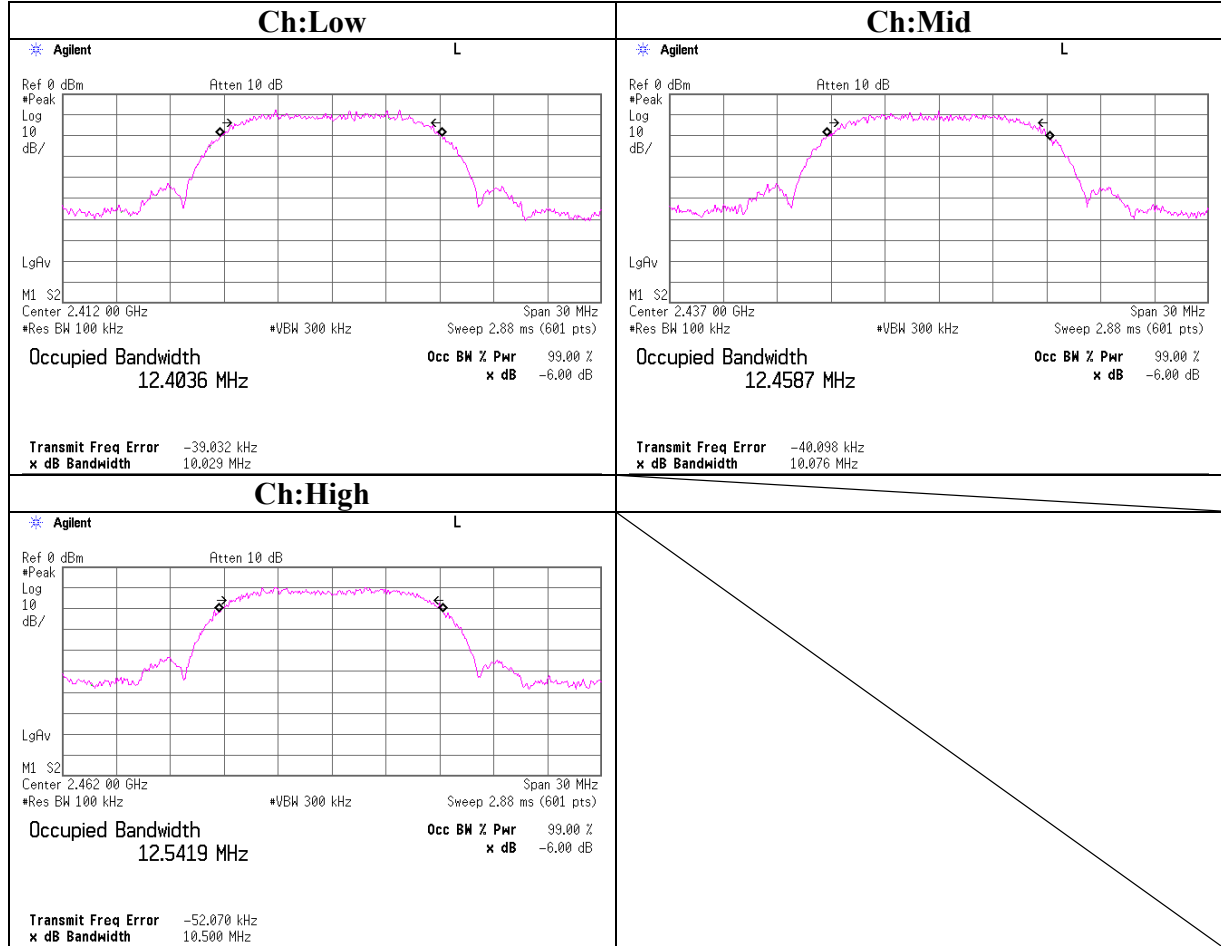
Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

MF060b(14.06.06)

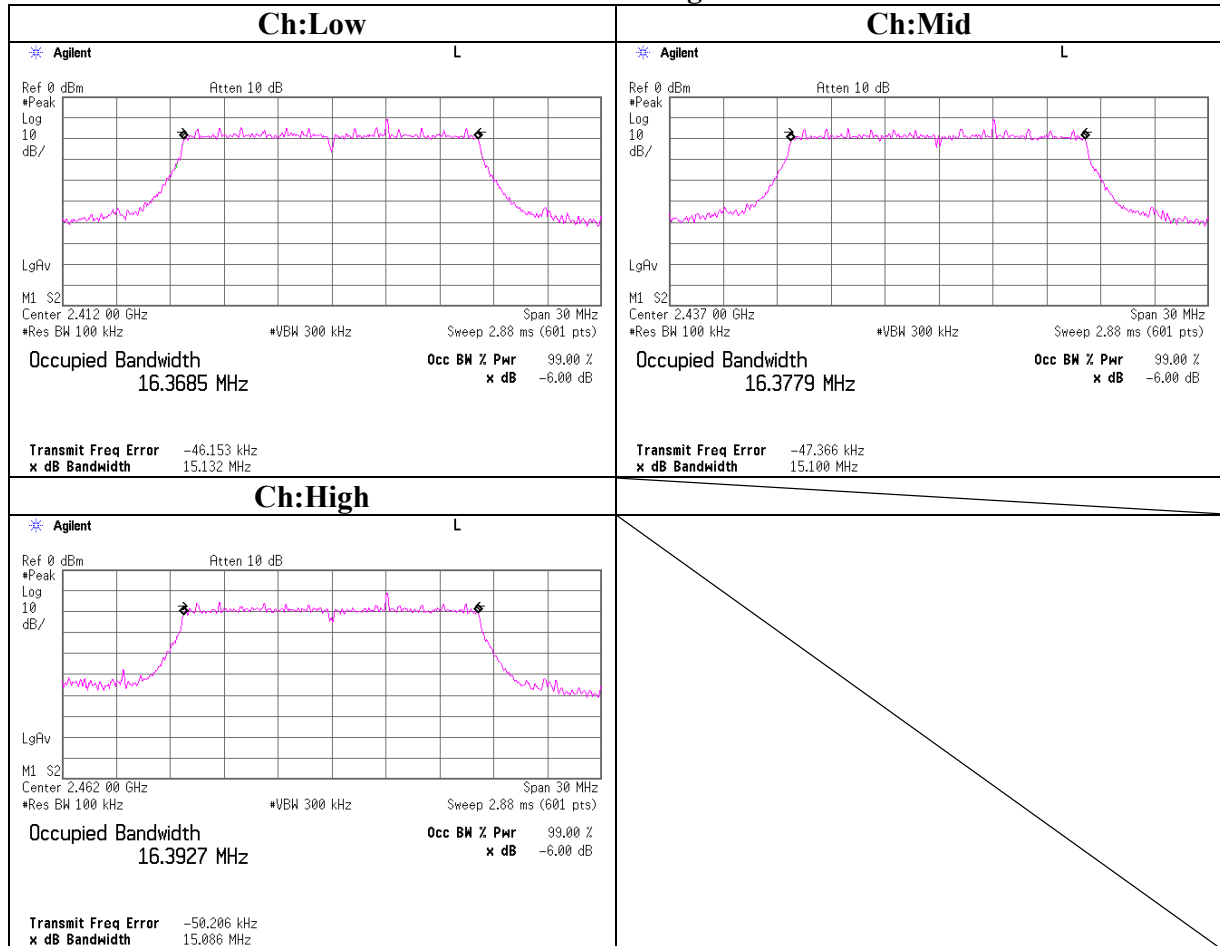
6dB Bandwidth

IEEE802.11b



6dB Bandwidth

IEEE802.11g



Maximum Peak Output Power

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

Company : RICOH COMPANY, LTD.	REPORT NO : 26IE0327-HO
Equipment : Digital Camera	REGULATION : FCC15.247(b)(3)/RSS-210 A8.4(4)
Model : Caplio 500SE-W	TEST DISTANC: -
Sample No. : 00010047	DATE : 2006/10/13
Power : DC3.8V	TEMPERATURE : 25deg.C.
Mode : Tx(Ch L, M, H)	HUMIDITY : 56%
	ENGINEER : Hiroka Umeyama

[IEEE802.11b:11Mbps]

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	5.58	0.94	10.14	16.66	46.34	30.00	1000	13.34
Mid	2437.0	5.14	0.94	10.14	16.22	41.88	30.00	1000	13.78
High	2462.0	4.82	0.94	10.14	15.90	38.90	30.00	1000	14.10

[IEEE802.11g:9Mbps]

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	6.20	0.94	10.14	17.28	53.46	30.00	1000	12.72
Mid	2437.0	5.80	0.94	10.14	16.88	48.75	30.00	1000	13.12
High	2462.0	5.93	0.94	10.14	17.01	50.23	30.00	1000	12.99

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.

[IEEE802.11b] Rate Check

Rate [Mbps]	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
1.0	2437.0	4.86	0.94	10.14	15.94	39.26	30.00	1000	14.06
2.0	2437.0	5.03	0.94	10.14	16.11	40.83	30.00	1000	13.89
5.5	2437.0	5.07	0.94	10.14	16.15	41.21	30.00	1000	13.85
11.0	2437.0	5.14	0.94	10.14	16.22	41.88	30.00	1000	13.78

[IEEE802.11g] Rate Check

Rate [Mbps]	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
6.0	2437.0	5.15	0.94	10.14	16.23	41.98	30.00	1000	13.77
9.0	2437.0	5.80	0.94	10.14	16.88	48.75	30.00	1000	13.12
12.0	2437.0	5.50	0.94	10.14	16.58	45.50	30.00	1000	13.42
18.0	2437.0	5.19	0.94	10.14	16.27	42.36	30.00	1000	13.73
24.0	2437.0	4.62	0.94	10.14	15.70	37.15	30.00	1000	14.30
36.0	2437.0	5.62	0.94	10.14	16.70	46.77	30.00	1000	13.30
48.0	2437.0	5.69	0.94	10.14	16.77	47.53	30.00	1000	13.23
54.0	2437.0	4.87	0.94	10.14	15.95	39.36	30.00	1000	14.05

Radiated Spurious Emission (below 1GHz)
IEEE802.11b Ch: Low

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

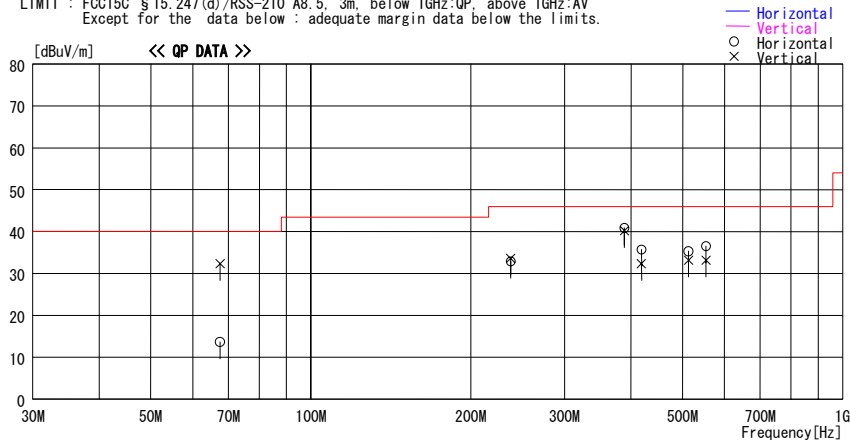
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/22 10:15:49

Company : RICOH COMPANY, LTD. Report No. : 26IE0327-HO
Kind of EUT : Digital Camera Power : DC 3.8V
Model No. : Caplio 500SE-W Temp./Humi. : 23deg. C. /56%
Serial No. : 00010047 Operator : Norihisa Hashimoto

Mode / Remarks : Tx 11b/11Mbps Lch(2412MHz) / Max-axis (Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d)/RSS-210 A8.5, 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
67.502	30.2	QP	7.7	-24.2	13.7	176	267	Hori.	40.0	26.3
67.504	48.9	QP	7.7	-24.2	32.4	266	102	Vert.	40.0	7.6
237.570	37.5	QP	17.7	-22.3	32.9	192	143	Hori.	46.0	13.1
237.587	38.2	QP	17.7	-22.3	33.6	290	100	Vert.	46.0	12.4
388.794	44.3	QP	17.9	-21.3	40.9	206	100	Hori.	46.0	5.1
388.796	43.6	QP	17.9	-21.3	40.2	199	167	Vert.	46.0	5.8
418.496	38.4	QP	18.4	-21.1	35.7	46	100	Hori.	46.0	10.3
418.496	35.1	QP	18.4	-21.1	32.4	194	169	Vert.	46.0	13.6
512.993	35.9	QP	20.0	-20.6	35.3	34	100	Hori.	46.0	10.7
512.992	33.8	QP	20.0	-20.6	33.2	301	127	Vert.	46.0	12.8
553.491	36.7	QP	20.2	-20.4	36.5	11	100	Hori.	46.0	9.5
553.492	33.4	QP	20.2	-20.4	33.2	252	109	Vert.	46.0	12.8

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

Radiated Spurious Emission (below 1GHz)
IEEE802.11b Ch: Mid

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

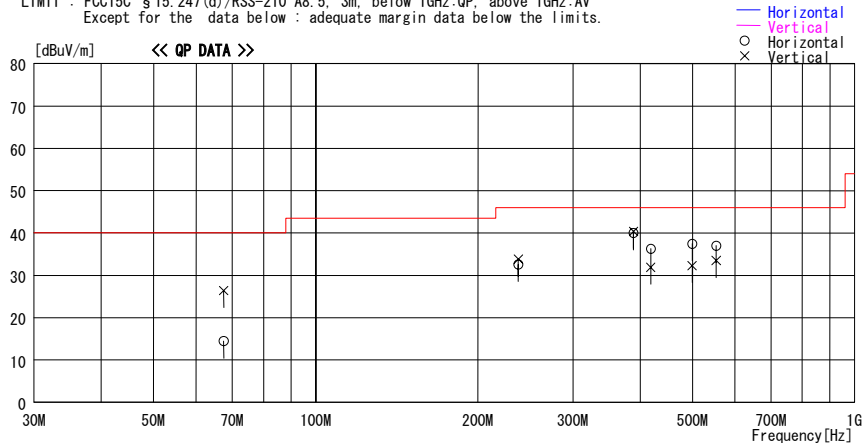
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/22 11:31:21

Company : RICOH COMPANY, LTD. Report No. : 261E0327-HO
Kind of EUT : Digital Camera Power : DC 3.8V
Model No. : Caplio 500SE-W Temp./Humi. : 23deg. C. /56%
Serial No. : 00010047 Operator : Norihisa Hashimoto

Mode / Remarks : Tx 11b/11Mbps Mch(2437MHz) / Max-axis(Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d)/RSS-210 A8.5. 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
67.504	42.9	QP	7.7	-24.2	26.4	99	100	Vert.	46.0	13.6
67.501	31.0	QP	7.7	-24.2	14.5	182	282	Hori.	46.0	25.5
237.569	37.2	QP	17.7	-22.3	32.6	278	136	Hori.	46.0	13.4
237.590	38.4	QP	17.7	-22.3	33.8	199	100	Vert.	46.0	12.2
388.795	43.4	QP	17.9	-21.3	40.0	209	100	Hori.	46.0	6.0
388.796	43.8	QP	17.9	-21.3	40.4	207	153	Vert.	46.0	5.6
418.493	39.0	QP	18.4	-21.1	36.3	36	100	Hori.	46.0	9.7
418.496	34.6	QP	18.4	-21.1	31.9	203	152	Vert.	46.0	14.1
499.494	38.2	QP	19.9	-20.7	37.4	11	100	Hori.	46.0	8.6
499.493	33.1	QP	19.9	-20.7	32.3	320	123	Vert.	46.0	13.7
553.491	37.2	QP	20.2	-20.4	37.0	9	100	Hori.	46.0	9.0
553.491	33.7	QP	20.2	-20.4	33.5	314	221	Vert.	46.0	12.5

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

Radiated Spurious Emission (below 1GHz)
IEEE802.11b Ch: High

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

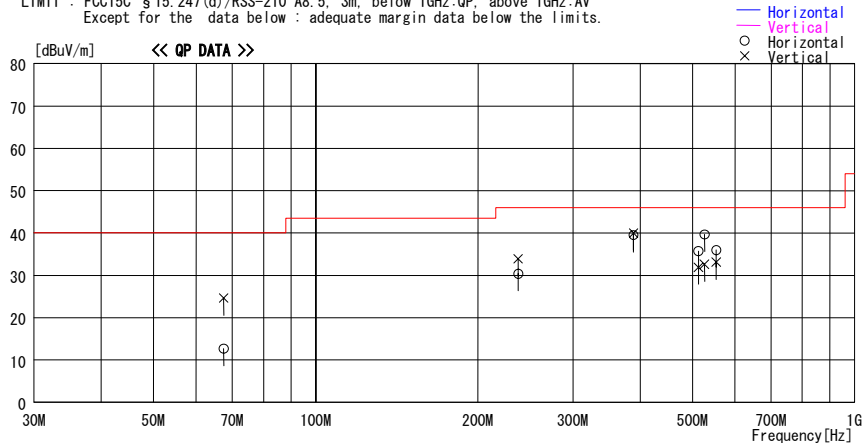
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/22 12:51:37

Company : RICOH COMPANY, LTD. Report No. : 26IE0327-HO
Kind of EUT : Digital Camera Power : DC 3.8V
Model No. : Caplio 500SE-W Temp./Humi. : 23deg. C. /56%
Serial No. : 00010047 Operator : Norihisa Hashimoto

Mode / Remarks : Tx 11b/11Mbps Hch(2462MHz) / Max-axis(Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d)/RSS-210 A8.5. 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
67.497	41.1	QP	7.7	-24.2	24.6	84	100	Vert.	40.0	15.4
67.500	29.2	QP	7.7	-24.2	12.7	159	235	Hori.	40.0	27.3
237.608	35.0	QP	17.7	-22.3	30.4	269	137	Hori.	46.0	15.6
237.566	38.5	QP	17.7	-22.3	33.9	277	100	Vert.	46.0	12.1
388.795	42.9	QP	17.9	-21.3	39.5	202	100	Hori.	46.0	6.5
388.795	43.4	QP	17.9	-21.3	40.0	205	163	Vert.	46.0	6.0
512.992	36.3	QP	20.0	-20.6	35.7	23	100	Hori.	46.0	10.3
512.992	32.5	QP	20.0	-20.6	31.9	286	124	Vert.	46.0	14.1
526.493	40.1	QP	20.1	-20.5	39.7	359	100	Hori.	46.0	6.3
526.490	33.0	QP	20.1	-20.5	32.6	221	126	Vert.	46.0	13.4
553.492	36.2	QP	20.2	-20.4	36.0	10	100	Hori.	46.0	10.0
553.491	33.3	QP	20.2	-20.4	33.1	114	100	Vert.	46.0	12.9

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

Radiated Spurious Emission (below 1GHz)
IEEE802.11g Ch: Low

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

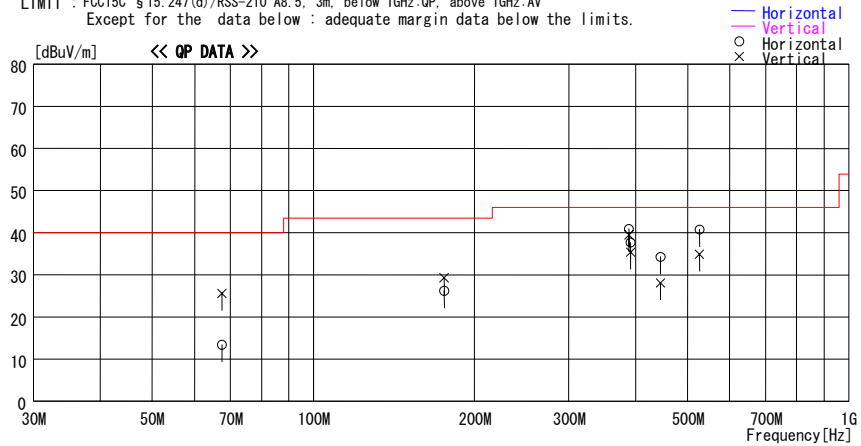
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/22 15:06:34

Company : RICOH COMPANY, LTD. Report No. : 261E0327-HO
Kind of EUT : Digital Camera Power : DC 3.8V
Model No. : Caplio 500SE-W Temp./Humi. : 23deg. C. /56%
Serial No. : 00010047 Operator : Norihisa Hashimoto

Mode / Remarks : Tx 11g/54Mbps Lch(2412MHz) / Max-axis(Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d)/RSS-210 A8.5, 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss &	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
175.501	32.5	QP	16.5	-22.8	26.2	193	207	Hori.	43.5	17.3
175.500	35.6	QP	16.5	-22.8	29.3	297	100	Vert.	43.5	14.2
67.501	29.9	QP	7.7	-24.2	13.4	122	175	Hori.	40.0	26.6
67.502	42.1	QP	7.7	-24.2	25.6	169	100	Vert.	40.0	14.4
388.795	44.3	QP	17.9	-21.3	40.9	209	100	Hori.	46.0	5.1
388.792	42.9	QP	17.9	-21.3	39.5	206	142	Vert.	46.0	6.5
391.496	41.1	QP	17.9	-21.3	37.7	45	100	Hori.	46.0	8.3
391.496	38.8	QP	17.9	-21.3	35.4	215	140	Vert.	46.0	10.6
444.980	36.4	QP	18.9	-21.0	34.3	46	100	Hori.	46.0	11.7
445.490	30.2	QP	18.9	-21.0	28.1	304	288	Vert.	46.0	17.9
526.493	41.1	QP	20.1	-20.5	40.7	0	100	Hori.	46.0	5.3
526.492	35.3	QP	20.1	-20.5	34.9	332	100	Vert.	46.0	11.1

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)

Radiated Spurious Emission (below 1GHz)
IEEE802.11g Ch: Mid

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

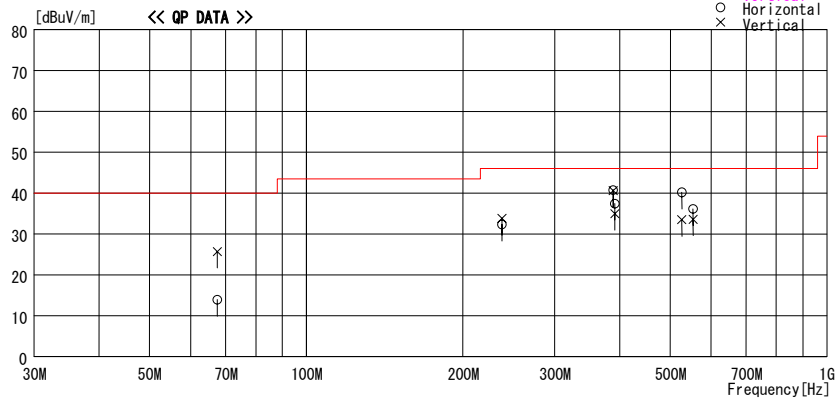
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/22 15:47:14

Company : RICOH COMPANY, LTD. Report No. : 26IE0327-HO
Kind of EUT : Digital Camera Power : DC 3.8V
Model No. : Caplio 500SE-W Temp./Humi. : 23deg.C. /56%
Serial No. : 00010047 Operator : Norihisa Hashimoto

Mode / Remarks : Tx 11g/54Mbps Mch(2437MHz) / Max-axis(Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d)/RSS-210 A8.5, 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss & Gain [dB]						
67.503	42.2	QP	7.7	-24.2	25.7	100	121	Vert.	40.0	14.3
67.508	30.4	QP	7.7	-24.2	13.9	296	300	Hori.	40.0	26.1
237.559	36.9	QP	17.7	-22.3	32.3	268	142	Hori.	46.0	13.7
237.576	38.4	QP	17.7	-22.3	33.8	205	100	Vert.	46.0	12.2
388.796	44.1	QP	17.9	-21.3	40.7	211	100	Hori.	46.0	5.3
388.795	44.0	QP	17.9	-21.3	40.6	205	150	Vert.	46.0	5.4
391.497	40.8	QP	17.9	-21.3	37.4	21	100	Hori.	46.0	8.6
391.494	38.4	QP	17.9	-21.3	35.0	212	145	Vert.	46.0	11.0
526.493	40.6	QP	20.1	-20.5	40.2	0	100	Hori.	46.0	5.8
526.491	33.9	QP	20.1	-20.5	33.5	330	100	Vert.	46.0	12.5
553.490	36.3	QP	20.2	-20.4	36.1	268	100	Hori.	46.0	9.9
553.491	33.8	QP	20.2	-20.4	33.6	141	100	Vert.	46.0	12.4

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)

Radiated Spurious Emission (below 1GHz)
IEEE802.11g Ch: High

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

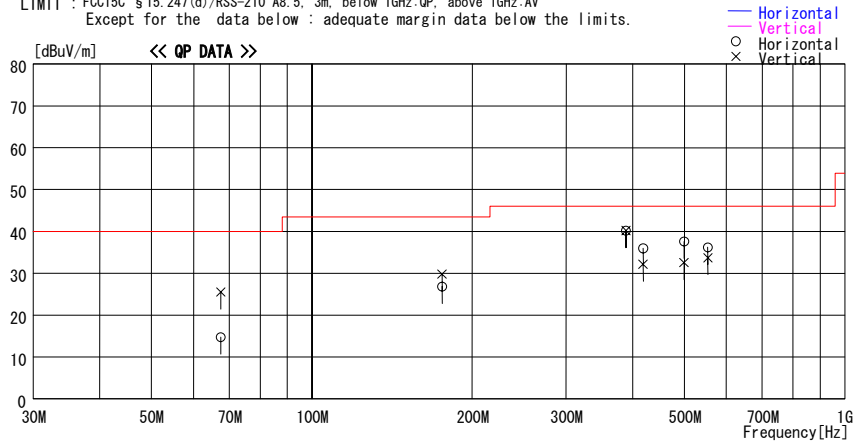
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/22 16:18:31

Company : RICOH COMPANY, LTD. Report No. : 26IE0327-HO
Kind of EUT : Digital Camera Power : DC 3.8V
Model No. : Caplio 500SE-W Temp./Humi. : 23deg. C. /56%
Serial No. : 00010047 Operator : Norihisa Hashimoto

Mode / Remarks : Tx 11g/54Mbps Hch (2462MHz) / Max-axis(Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d)/RSS-210 A8.5, 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit	
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]
67.503	31.2	QP	7.7	-24.2	14.7	172	298	Hori.	40.0	25.3
67.503	42.0	QP	7.7	-24.2	25.5	104	100	Vert.	40.0	14.5
175.503	33.1	QP	16.5	-22.8	26.8	187	199	Hori.	43.5	16.7
175.503	36.1	QP	16.5	-22.8	29.8	317	100	Vert.	43.5	13.7
388.792	43.6	QP	17.9	-21.3	40.2	206	100	Hori.	46.0	5.8
388.796	43.6	QP	17.9	-21.3	40.2	207	148	Vert.	46.0	5.8
418.460	38.7	QP	18.4	-21.1	36.0	24	100	Hori.	46.0	10.0
418.602	34.8	QP	18.4	-21.1	32.1	213	143	Vert.	46.0	13.9
499.488	38.4	QP	19.9	-20.7	37.6	3	100	Hori.	46.0	8.4
499.480	33.3	QP	19.9	-20.7	32.5	311	121	Vert.	46.0	13.5
553.490	36.4	QP	20.2	-20.4	36.2	288	100	Hori.	46.0	9.8
553.490	33.9	QP	20.2	-20.4	33.7	128	104	Vert.	46.0	12.3

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)

Radiated Spurious Emission (below 1GHz)
IEEE802.11b Rx Ch: Mid

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

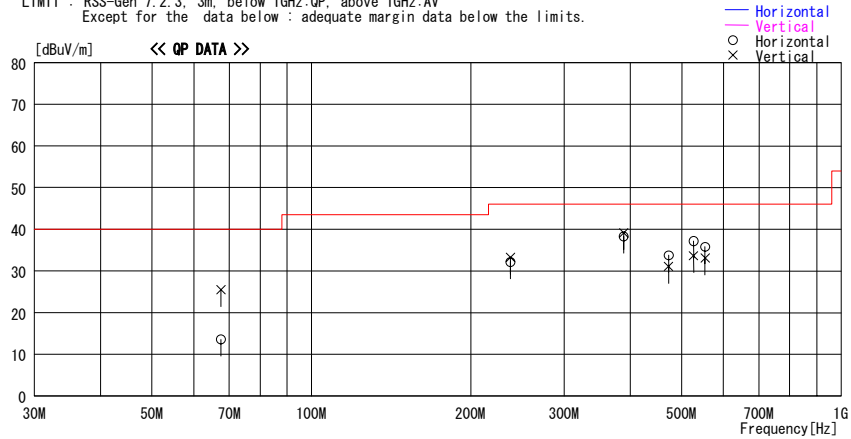
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2006/10/22 13:43:03

Company : RICOH COMPANY, LTD. Report No. : 26IE0327-HO
Kind of EUT : Digital Camera Power : DC 3.8V
Model No. : Caplio 500SE-W Temp./Humi. : 23deg.C. /56%
Serial No. : 00010047 Operator : Norihisa Hashimoto

Mode / Remarks : Rx 11b/11Mbps Mch(2437MHz) / Max-axis(Hor:Y Ver:Y)

LIMIT : RSS-Gen 7.2.3, 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss & Gain [dB]						
67.503	42.0	QP	7.7	-24.2	25.5	116	100	Vert.	40.0	14.5
67.507	30.1	QP	7.7	-24.2	13.6	160	300	Hori.	40.0	26.4
237.567	36.8	QP	17.7	-22.3	32.2	359	300	Hori.	46.0	13.8
237.582	37.9	QP	17.7	-22.3	33.3	210	100	Vert.	46.0	12.7
388.794	41.7	QP	17.9	-21.3	38.3	202	100	Hori.	46.0	7.7
388.796	42.6	QP	17.9	-21.3	39.2	202	136	Vert.	46.0	6.8
472.493	35.2	QP	19.4	-20.8	33.8	19	100	Hori.	46.0	12.2
472.493	32.5	QP	19.4	-20.8	31.1	130	100	Vert.	46.0	14.9
526.492	37.6	QP	20.1	-20.5	37.2	197	172	Hori.	46.0	8.8
526.483	34.1	QP	20.1	-20.5	33.7	251	100	Vert.	46.0	12.3
553.482	36.0	QP	20.2	-20.4	35.8	17	100	Hori.	46.0	10.2
553.480	33.3	QP	20.2	-20.4	33.1	108	100	Vert.	46.0	12.9

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

Radiated Spurious Emission (below 1GHz)
IEEE802.11g Rx Ch: Mid

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

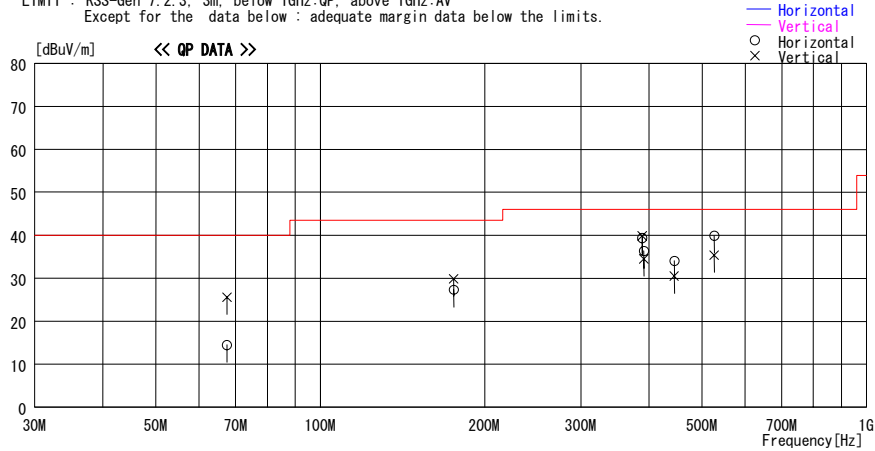
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/10/22 16:49:53

Company : RICOH COMPANY, LTD. Report No. : 261E0327-HO
Kind of EUT : Digital Camera Power : DC 3.8V
Model No. : Caplio 500SE-W Temp./Humi. : 23deg. C. /56%
Serial No. : 00010047 Operator : Norihisa Hashimoto

Mode / Remarks : Rx 11g/54Mbps Mch (2437MHz) / Max-axis (Hor:Y Ver:Y)

LIMIT : RSS-Gen 7.2.3, 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain					[dBuV/m]	[dB]
67.503	42.1	QP	7.7	-24.2	25.6	119	100	Vert.	40.0	14.4
67.508	31.0	QP	7.7	-24.2	14.5	168	278	Hori.	40.0	25.5
175.503	33.6	QP	16.5	-22.8	27.3	211	198	Hori.	43.5	16.2
175.501	36.2	QP	16.5	-22.8	29.9	306	100	Vert.	43.5	13.6
388.792	42.8	QP	17.9	-21.3	39.4	201	100	Hori.	46.0	6.6
388.795	43.3	QP	17.9	-21.3	39.9	202	137	Vert.	46.0	6.1
391.494	39.8	QP	17.9	-21.3	36.4	45	100	Hori.	46.0	9.6
391.489	37.9	QP	17.9	-21.3	34.5	223	145	Vert.	46.0	11.5
444.977	36.1	QP	18.9	-21.0	34.0	32	100	Hori.	46.0	12.0
444.940	32.6	QP	18.9	-21.0	30.5	328	281	Vert.	46.0	15.5
526.491	40.3	QP	20.1	-20.5	39.9	2	100	Hori.	46.0	6.1
526.491	35.8	QP	20.1	-20.5	35.4	295	100	Vert.	46.0	10.6

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)

Radiated Spurious Emission (above 1GHz)
IEEE802.11b Ch: Low

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: RICOH COMPANY,LTD.	REPORT NO	: 26IE0327-HO
Equipment	: Digital Camera	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: Caplio 500SE-W	TEST DISTANCE	: 3/1/0.5m
Sample No.	: 00010047	DATE	: 10/20/2006
Power	: DC3.8V	TEMPERATURE	: 25deg.C
Mode	: WLAN 11b 11Mbps 2412MHz	HUMIDITY	: 55%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Norihisa Hashimoto

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN		
		HOR	VER					HOR	VER		HOR	VER	
		[dBuV]											
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable/ATT Loss + Filter Loss													
1	1608.0	44.0	42.3	25.1	33.7	11.9	0.0	47.3	45.6	74.0	26.7	28.4	
2	2390.0	49.9	47.3	26.6	32.7	12.4	0.0	56.2	53.6	74.0	17.8	20.4	
3	2400.0	55.3	53.1	26.6	32.7	12.4	0.0	61.6	59.4	74.0	12.4	14.6	
4	4824.0	42.5	43.7	30.9	31.5	13.9	1.4	57.2	58.4	74.0	16.8	15.6	
5	7236.0	38.4	38.1	35.3	32.4	14.3	1.2	56.8	56.5	74.0	17.2	17.5	
6	9648.0	39.0	39.2	37.6	33.0	15.6	1.0	60.2	60.4	74.0	13.8	13.6	
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
7	24120.0	47.1	46.1	39.1	31.8	8.0	0.0	46.8	45.8	74.0	27.2	28.2	

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN		
		HOR	VER					HOR	VER		HOR	VER	
		[dBuV]											
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable/ATT Loss + Filter Loss													
1	1608.0	40.1	37.1	25.1	33.7	11.9	0.0	43.4	40.4	54.0	10.6	13.6	
2	2390.0	27.0	26.2	26.6	32.7	12.4	0.0	33.3	32.5	54.0	20.7	21.5	
3	2400.0	30.9	30.2	26.6	32.7	12.4	0.0	37.2	36.5	54.0	16.8	17.5	
4	4824.0	27.1	27.1	30.9	31.5	13.9	1.4	41.8	41.8	54.0	12.2	12.2	
5	7236.0	25.8	25.5	35.3	32.4	14.3	1.2	44.2	43.9	54.0	9.8	10.1	
6	9648.0	26.0	26.1	37.6	33.0	15.6	1.0	47.2	47.3	54.0	6.8	6.7	
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
7	24120.0	33.6	33.6	39.1	31.8	8.0	0.0	33.3	33.3	54.0	20.7	20.7	

Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6dB
Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (above 1GHz)
IEEE802.11b Ch: Mid

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: RICOH COMPANY,LTD.	REPORT NO	: 26IE0327-HO
Equipment	: Digital Camera	REGULATION	: FCC15.247(d)/RSS-210A8.5
Model	: Caplio 500SE-W	TEST DISTANCE	: 3/1/0.5m
Sample No.	: 00010047	DATE	: 10/20/2006
Power	: DC3.8V	TEMPERATURE	: 25deg.C
Mode	: WLAN 11b 11Mbps 2437MHz	HUMIDITY	: 55%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Norihisa Hashimoto

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable/ATT Loss + Filter Loss												
1	1624.6	44.2	42.5	25.2	33.6	11.9	0.0	47.7	46.0	74.0	26.3	28.0
2	4874.0	44.8	43.4	31.0	31.5	14.0	1.4	59.7	58.3	74.0	14.3	15.7
3	7311.0	38.1	38.7	35.4	32.5	14.3	1.1	56.4	57.0	74.0	17.6	17.0
4	9748.0	38.6	38.5	37.6	33.1	15.6	1.1	59.8	59.7	74.0	14.2	14.3
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	24370.0	45.9	46.5	39.1	31.7	8.0	0.0	45.7	46.3	74.0	28.3	27.7

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable/ATT Loss + Filter Loss												
1	1624.6	40.8	37.5	25.2	33.6	11.9	0.0	44.3	41.0	54.0	9.7	13.0
2	4874.0	27.7	27.0	31.0	31.5	14.0	1.4	42.6	41.9	54.0	11.4	12.1
3	7311.0	25.8	25.8	35.4	32.5	14.3	1.1	44.1	44.1	54.0	9.9	9.9
4	9748.0	25.6	25.7	37.6	33.1	15.6	1.1	46.8	46.9	54.0	7.2	7.1
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	24370.0	33.4	33.5	39.1	31.7	8.0	0.0	33.2	33.3	54.0	20.8	20.7

Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6dB

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB

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

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

*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

Radiated Spurious Emission (above 1GHz)
IEEE802.11b Ch: High

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: RICOH COMPANY,LTD.	REPORT NO	: 26IE0327-HO
Equipment	: Digital Camera	REGULATION	: FCC15.247(d)/RSS-210A8.5
Model	: Caplio 500SE-W	TEST DISTANCE	: 3/1/0.5m
Sample No.	: 00010047	DATE	: 10/20/2006
Power	: DC3.8V	TEMPERATURE	: 25deg.C
Mode	: WLAN 11b 11Mbps 2462MHz	HUMIDITY	: 55%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Norihisa Hashimoto

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable/ATT Loss + Filter Loss												
1	1641.3	44.6	42.4	25.2	33.6	11.9	0.0	48.1	45.9	74.0	25.9	28.1
2	2483.5	44.2	43.1	26.8	32.6	12.4	0.0	50.8	49.7	74.0	23.2	24.3
3	4924.0	44.4	42.2	31.1	31.5	14.0	1.4	59.4	57.2	74.0	14.6	16.8
4	7386.0	38.5	38.7	35.6	32.5	14.3	1.1	57.0	57.2	74.0	17.0	16.8
5	9848.0	38.6	38.7	37.6	33.1	15.7	1.2	60.0	60.1	74.0	14.0	13.9
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	24620.0	45.9	46.3	39.2	31.5	8.0	0.0	46.0	46.4	74.0	28.0	27.6

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable/ATT Loss + Filter Loss												
1	1641.3	40.8	37.6	25.2	33.6	11.9	0.0	44.3	41.1	54.0	9.7	12.9
2	2483.5	24.4	24.3	26.8	32.6	12.4	0.0	31.0	30.9	54.0	23.0	23.1
3	4924.0	28.0	26.8	31.1	31.5	14.0	1.4	43.0	41.8	54.0	11.0	12.2
4	7386.0	26.0	26.0	35.6	32.5	14.3	1.1	44.5	44.5	54.0	9.5	9.5
5	9848.0	25.7	25.9	37.6	33.1	15.7	1.2	47.1	47.3	54.0	6.9	6.7
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	24620.0	33.5	33.5	39.2	31.5	8.0	0.0	33.6	33.6	54.0	20.4	20.4

Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6dB

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB

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

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

*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

Radiated Spurious Emission (above 1GHz)
IEEE802.11g Ch: Low

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: RICOH COMPANY,LTD.	REPORT NO	: 26IE0327-HO
Equipment	: Digital Camera	REGULATION	: FCC15.247(d)/RSS-210A8.5
Model	: Caplio 500SE-W	TEST DISTANCE	: 3/1/0.5m
Sample No.	: 00010047	DATE	: 10/20/2006
Power	: DC3.8V	TEMPERATURE	: 25deg.C
Mode	: WLAN 11g 54Mbps 2412MHz	HUMIDITY	: 55%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Norihisa Hashimoto

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable/ATT Loss + Filter Loss												
1	1608.0	43.9	42.1	25.1	33.7	11.9	0.0	47.2	45.4	74.0	26.8	28.6
2	2390.0	50.7	48.0	26.6	32.7	12.4	0.0	57.0	54.3	74.0	17.0	19.7
3	2400.0	58.3	55.4	26.6	32.7	12.4	0.0	64.6	61.7	74.0	9.4	12.3
4	4824.0	38.5	38.3	30.9	31.5	13.9	1.4	53.2	53.0	74.0	20.8	21.0
5	7236.0	38.5	38.6	35.3	32.4	14.3	1.2	56.9	57.0	74.0	17.1	17.0
6	9648.0	39.2	39.1	37.6	33.0	15.6	1.0	60.4	60.3	74.0	13.6	13.7
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	24120.0	46.1	46.4	39.1	31.8	8.0	0.0	45.8	46.1	74.0	28.2	27.9

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable/ATT Loss + Filter Loss												
1	1608.0	40.1	37.2	25.1	33.7	11.9	0.0	43.4	40.5	54.0	10.6	13.5
2	2390.0	24.2	24.0	26.6	32.7	12.4	0.0	30.5	30.3	54.0	23.5	23.7
3	2400.0	24.7	24.7	26.6	32.7	12.4	0.0	31.0	31.0	54.0	23.0	23.0
4	4824.0	25.7	25.6	30.9	31.5	13.9	1.4	40.4	40.3	54.0	13.6	13.7
5	7236.0	25.8	25.7	35.3	32.4	14.3	1.2	44.2	44.1	54.0	9.8	9.9
6	9648.0	26.0	26.2	37.6	33.0	15.6	1.0	47.2	47.4	54.0	6.8	6.6
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	24120.0	33.2	33.2	39.1	31.8	8.0	0.0	32.9	32.9	54.0	21.1	21.1

Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6dB
Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (above 1GHz)
IEEE802.11g Ch: Mid

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: RICOH COMPANY,LTD.	REPORT NO	: 26IE0327-HO
Equipment	: Digital Camera	REGULATION	: FCC15.247(d)/RSS-210A8.5
Model	: Caplio 500SE-W	TEST DISTANCE	: 3/1/0.5m
Sample No.	: 00010047	DATE	: 10/20/2006
Power	: DC3.8V	TEMPERATURE	: 25deg.C
Mode	: WLAN 11g 54Mbps 2437MHz	HUMIDITY	: 55%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Norihisa Hashimoto

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT 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/ATT Loss + Filter Loss												
1	1624.6	44.4	42.7	25.2	33.6	11.9	0.0	47.9	46.2	74.0	26.1	27.8
2	4874.0	38.6	39.0	31.0	31.5	14.0	1.4	53.5	53.9	74.0	20.5	20.1
3	7311.0	38.4	38.6	35.4	32.5	14.3	1.1	56.7	56.9	74.0	17.3	17.1
4	9748.0	37.8	38.3	37.6	33.1	15.6	1.1	59.0	59.5	74.0	15.0	14.5
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	24370.0	46.0	46.1	39.1	31.7	8.0	0.0	45.8	45.9	74.0	28.2	28.1

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT 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/ATT Loss + Filter Loss												
1	1624.6	40.3	37.2	25.2	33.6	11.9	0.0	43.8	40.7	54.0	10.2	13.3
2	4874.0	25.7	25.5	31.0	31.5	14.0	1.4	40.6	40.4	54.0	13.4	13.6
3	7311.0	25.9	25.9	35.4	32.5	14.3	1.1	44.2	44.2	54.0	9.8	9.8
4	9748.0	25.6	25.9	37.6	33.1	15.6	1.1	46.8	47.1	54.0	7.2	6.9
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	24370.0	33.4	33.3	39.1	31.7	8.0	0.0	33.2	33.1	54.0	20.8	20.9

Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6dB
Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (above 1GHz)
IEEE802.11g Ch: High

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: RICOH COMPANY,LTD.	REPORT NO	: 26IE0327-HO
Equipment	: Digital Camera	REGULATION	: FCC15.247(d)/RSS-210A8.5
Model	: Caplio 500SE-W	TEST DISTANCE	: 3/1/0.5m
Sample No.	: 00010047	DATE	: 10/20/2006
Power	: DC3.8V	TEMPERATURE	: 25deg.C
Mode	: WLAN 11g 54Mbps 2462MHz	HUMIDITY	: 55%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Norihisa Hashimoto

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable/ATT Loss + Filter Loss												
1	1641.3	44.2	43.0	25.2	33.6	11.9	0.0	47.7	46.5	74.0	26.3	27.5
2	2483.5	43.9	42.8	26.8	32.6	12.4	0.0	50.5	49.4	74.0	23.5	24.6
3	4924.0	38.8	38.3	31.1	31.5	14.0	1.4	53.8	53.3	74.0	20.2	20.7
4	7386.0	38.8	39.1	35.6	32.5	14.3	1.1	57.3	57.6	74.0	16.7	16.4
5	9848.0	38.8	38.9	37.6	33.1	15.7	1.2	60.2	60.3	74.0	13.8	13.7
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	24620.0	46.1	47.5	39.2	31.5	8.0	0.0	46.2	47.6	74.0	27.8	26.4

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE/ATT LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable/ATT Loss + Filter Loss												
1	1641.3	40.8	38.2	25.2	33.6	11.9	0.0	44.3	41.7	54.0	9.7	12.3
2	2483.5	23.7	23.7	26.8	32.6	12.4	0.0	30.3	30.3	54.0	23.7	23.7
3	4924.0	25.6	25.5	31.1	31.5	14.0	1.4	40.6	40.5	54.0	13.4	13.5
4	7386.0	26.0	26.0	35.6	32.5	14.3	1.1	44.5	44.5	54.0	9.5	9.5
5	9848.0	25.9	25.8	37.6	33.1	15.7	1.2	47.3	47.2	54.0	6.7	6.8
Test distance 0.5meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	24620.0	33.5	33.5	39.2	31.5	8.0	0.0	33.6	33.6	54.0	20.4	20.4

Test Distance 0.5m : Distance Factor(Dfac) = 20log(3/0.5) = 15.6dB

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB

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

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

*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

Radiated Spurious Emission (above 1GHz)
IEEE802.11b Rx Ch: Mid

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: RICOH COMPANY,LTD.	REPORT NO	: 26IE0327-HO
Equipment	: Digital Camera	REGULATION	: RSS-Gen 7.2.3
Model	: Caplio 500SE-W	TEST DISTANCE	: 3m
Sample No.	: 00010047	DATE	: 10/20/2006
Power	: DC3.8V	TEMPERATURE	: 25deg.C
Mode	: Rx WLAN 11b 11Mbps 2437MHz	HUMIDITY	: 55%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Norihisa Hashimoto

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
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1608.0	52.9	52.5	25.1	33.7	1.8	0.0	46.1	45.7	74.0	27.9	28.3
2	2437.0	43.1	42.1	26.7	32.6	2.1	0.0	39.3	38.3	74.0	34.7	35.7

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
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1608.0	50.0	47.9	25.1	33.7	1.8	0.0	43.2	41.1	54.0	10.8	12.9
2	2437.0	29.7	29.7	26.7	32.6	2.1	0.0	25.9	25.9	54.0	28.1	28.1

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (above 1GHz)
IEEE802.11g Rx Ch: Mid

UL Apex Co., Ltd.
Head Office EMC Lab. No.4 Semi Anechoic Chamber

Company	: RICOH COMPANY,LTD.	REPORT NO	: 26IE0327-HO
Equipment	: Digital Camera	REGULATION	: RSS-Gen 7.2.3
Model	: Caplio 500SE-W	TEST DISTANCE	: 3m
Sample No.	: 00010047	DATE	: 10/20/2006
Power	: DC3.8V	TEMPERATURE	: 25deg.C
Mode	: Rx WLAN 11g 54Mbps 2437MHz	HUMIDITY	: 55%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Norihisa Hashimoto

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

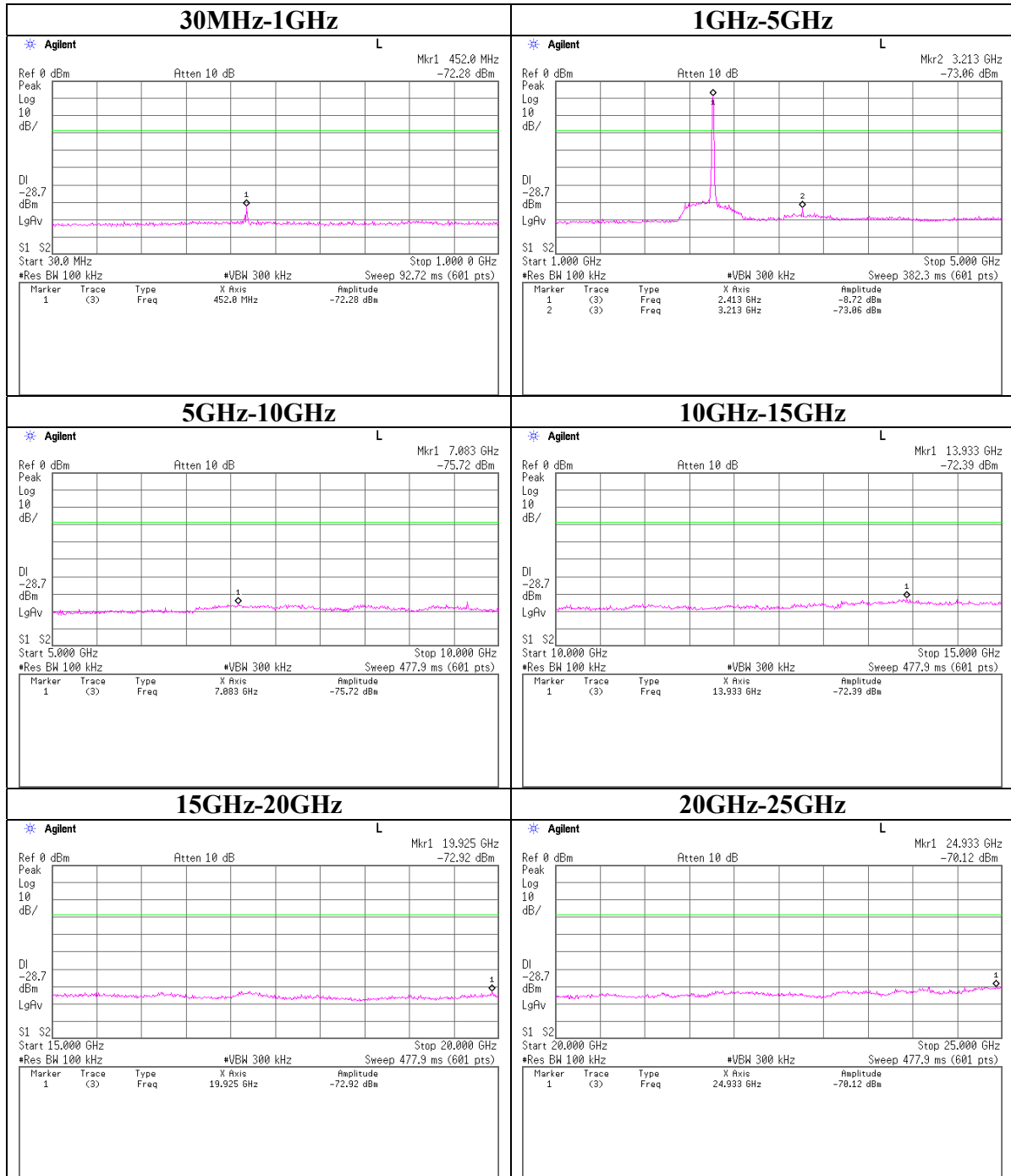
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1608.0	53.3	51.8	25.1	33.7	1.8	0.0	46.5	45.0	74.0	27.5	29.0
2	2437.0	43.2	43.8	26.7	32.6	2.1	0.0	39.4	40.0	74.0	34.6	34.0

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

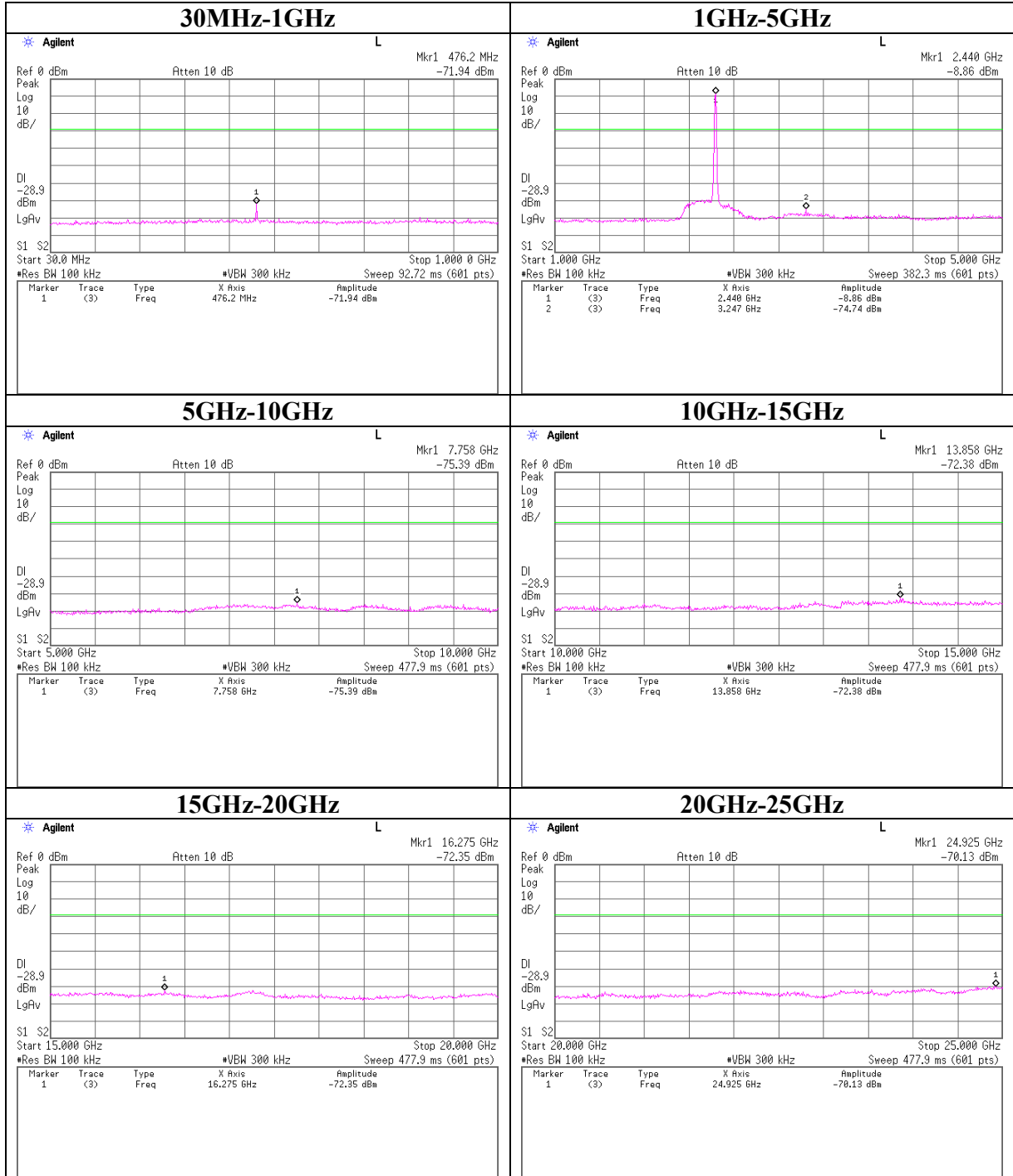
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1608.0	49.8	47.7	25.1	33.7	1.8	0.0	43.0	40.9	54.0	11.0	13.1
2	2437.0	29.7	29.8	26.7	32.6	2.1	0.0	25.9	26.0	54.0	28.1	28.0

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Filter was not used for factor 0.0dB of the above table.

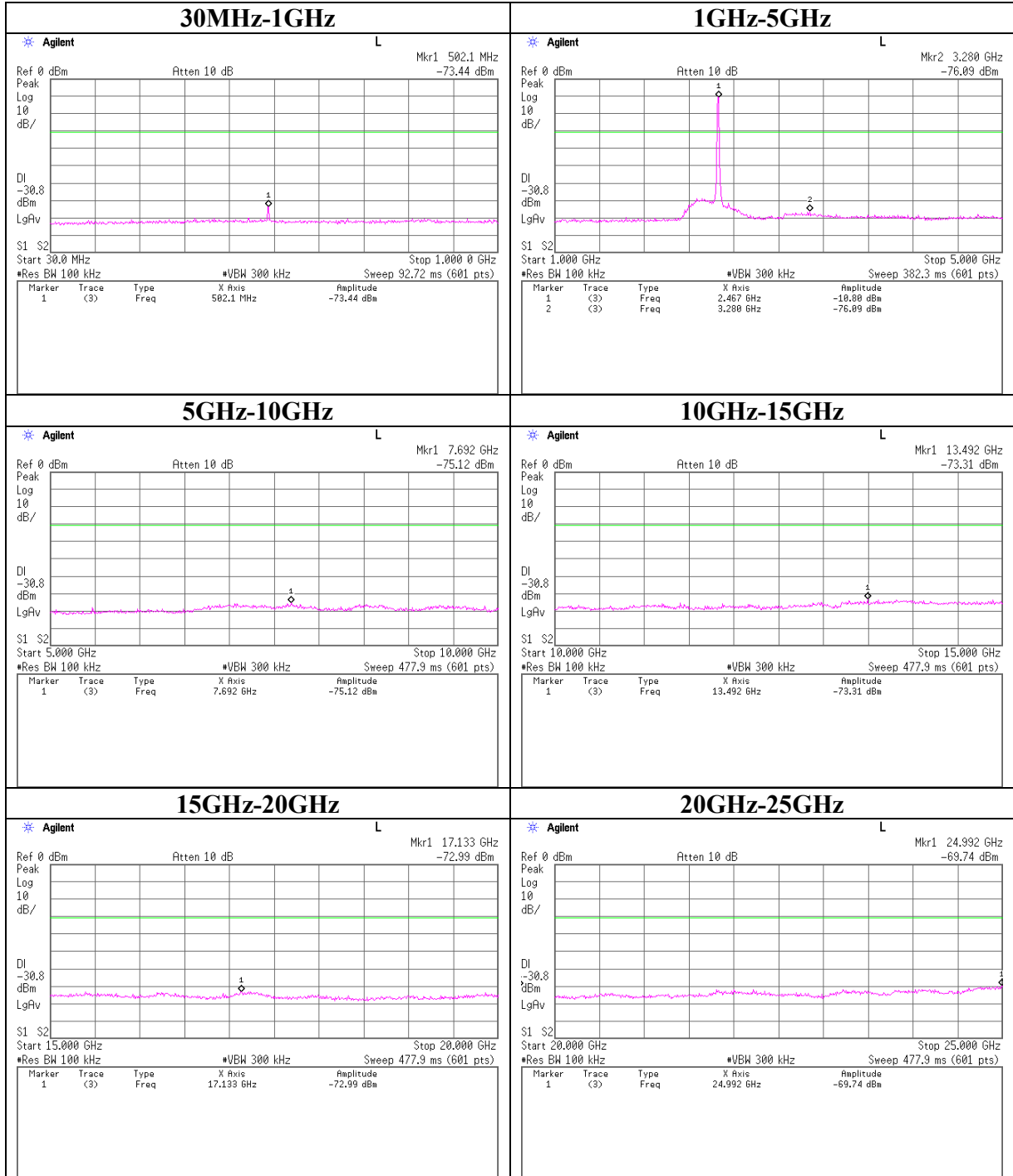
Conducted Spurious Emission
IEEE802.11b Ch: Low



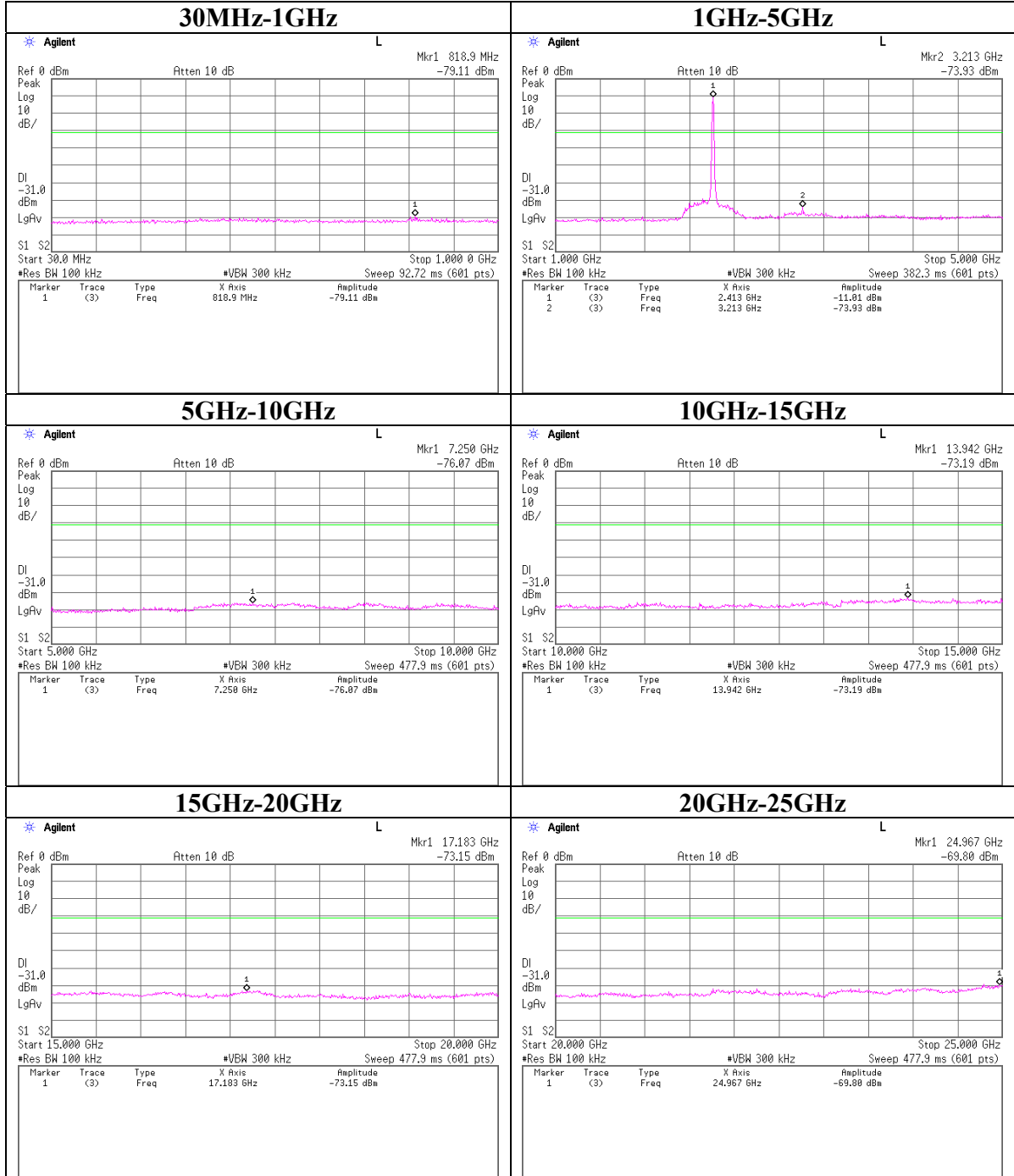
Conducted Spurious Emission
IEEE802.11b Ch: Mid



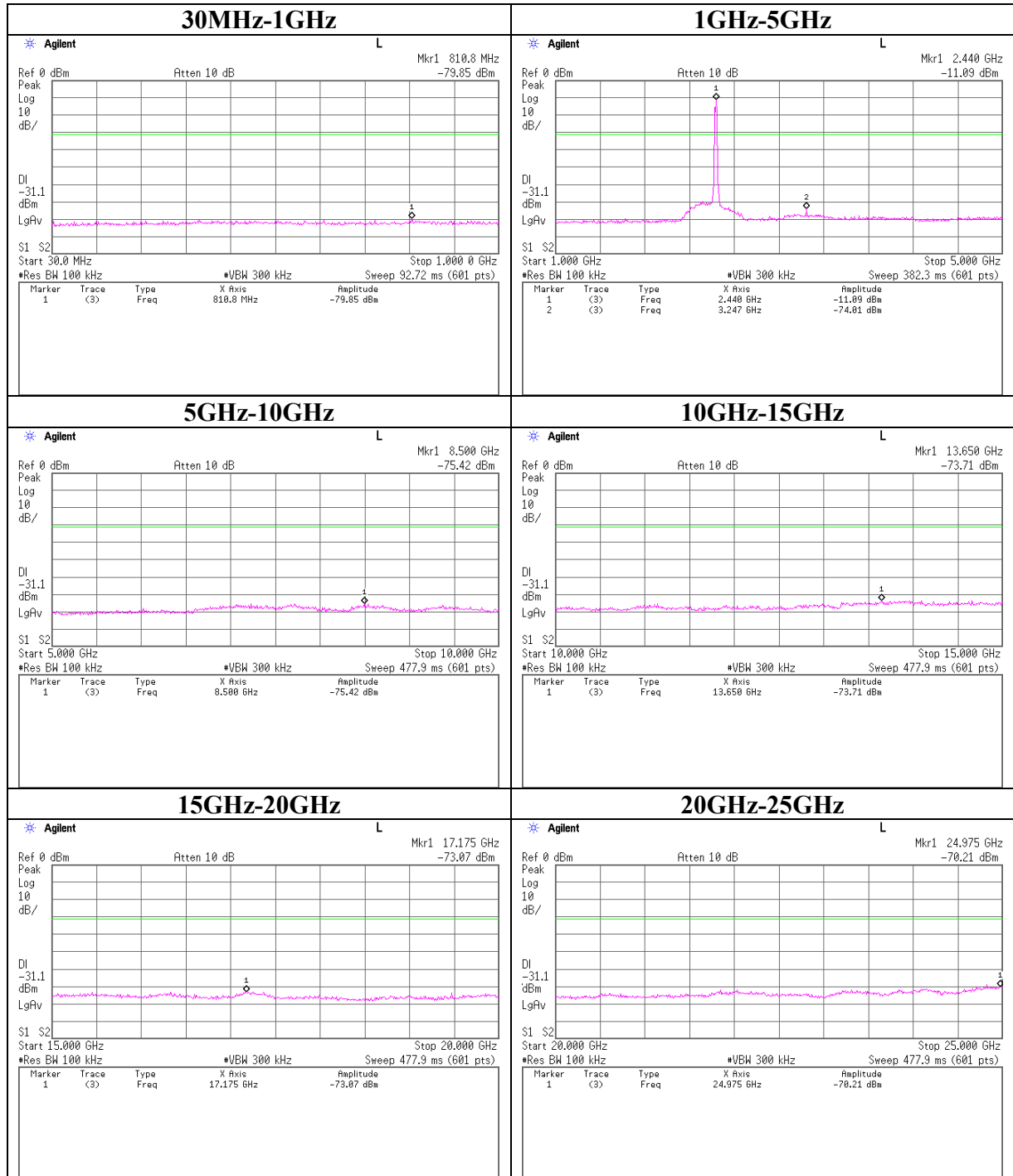
Conducted Spurious Emission
IEEE802.11b Ch: High



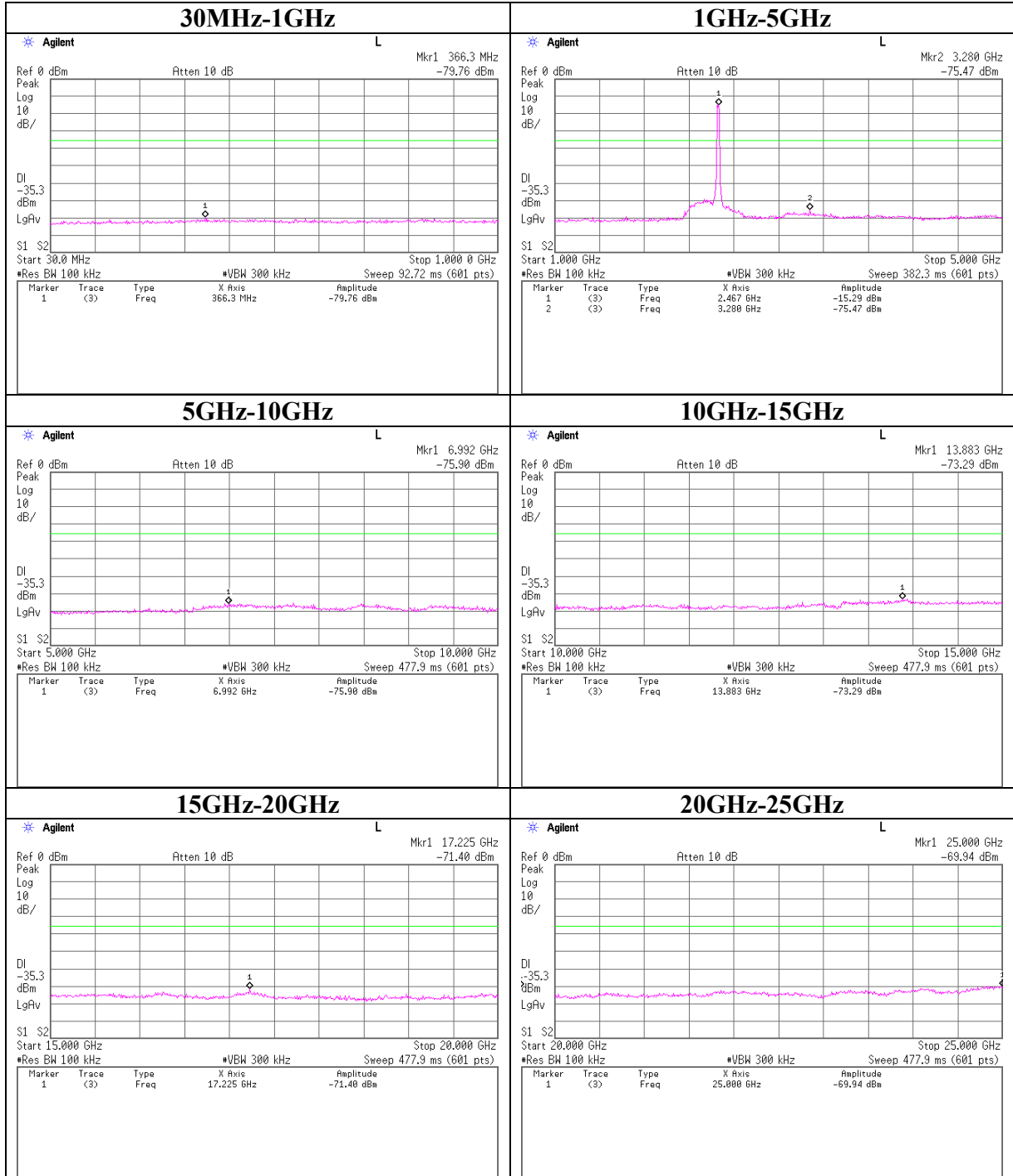
Conducted Spurious Emission
IEEE802.11g Ch: Low



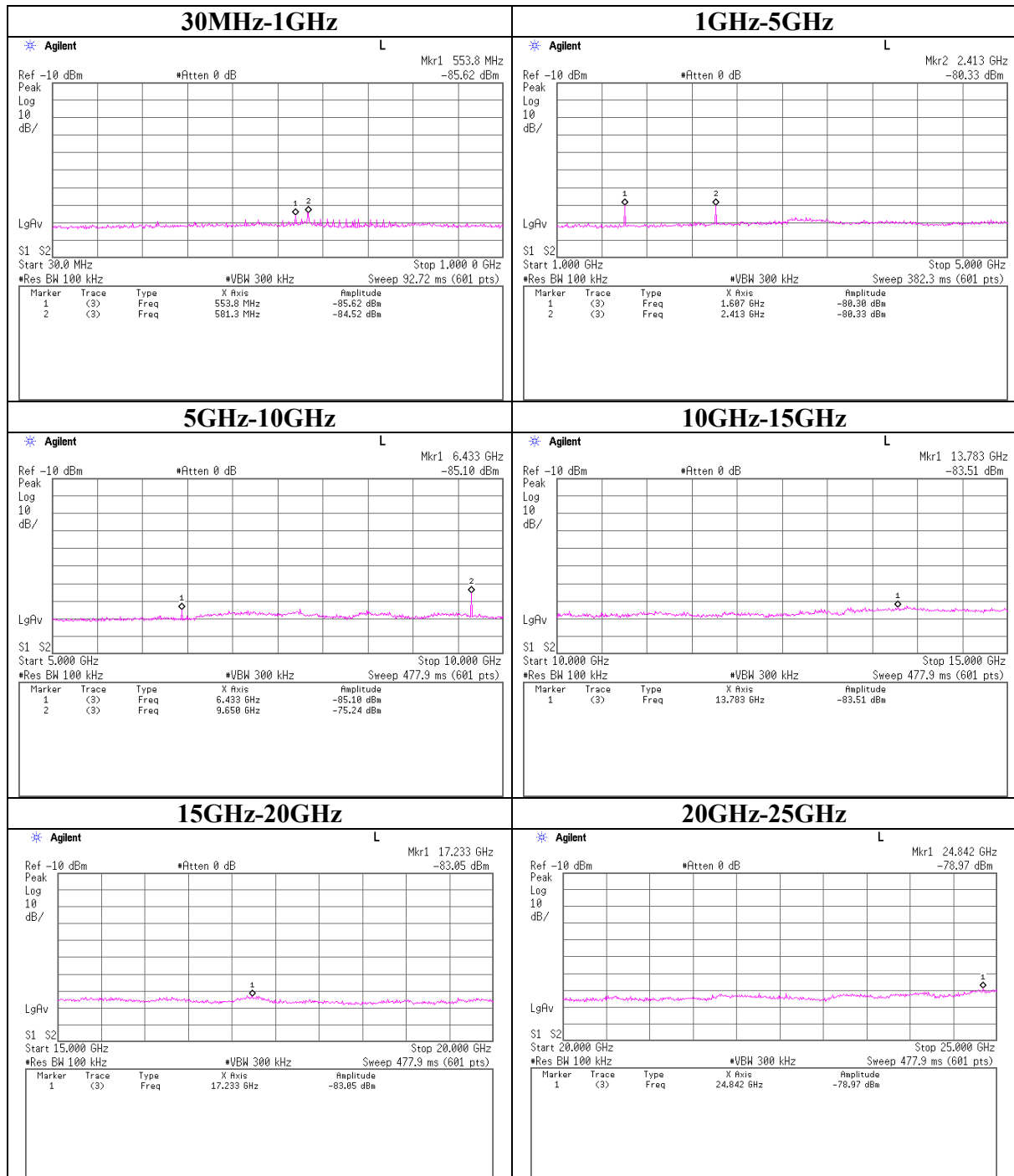
Conducted Spurious Emission
IEEE802.11g Ch: Mid



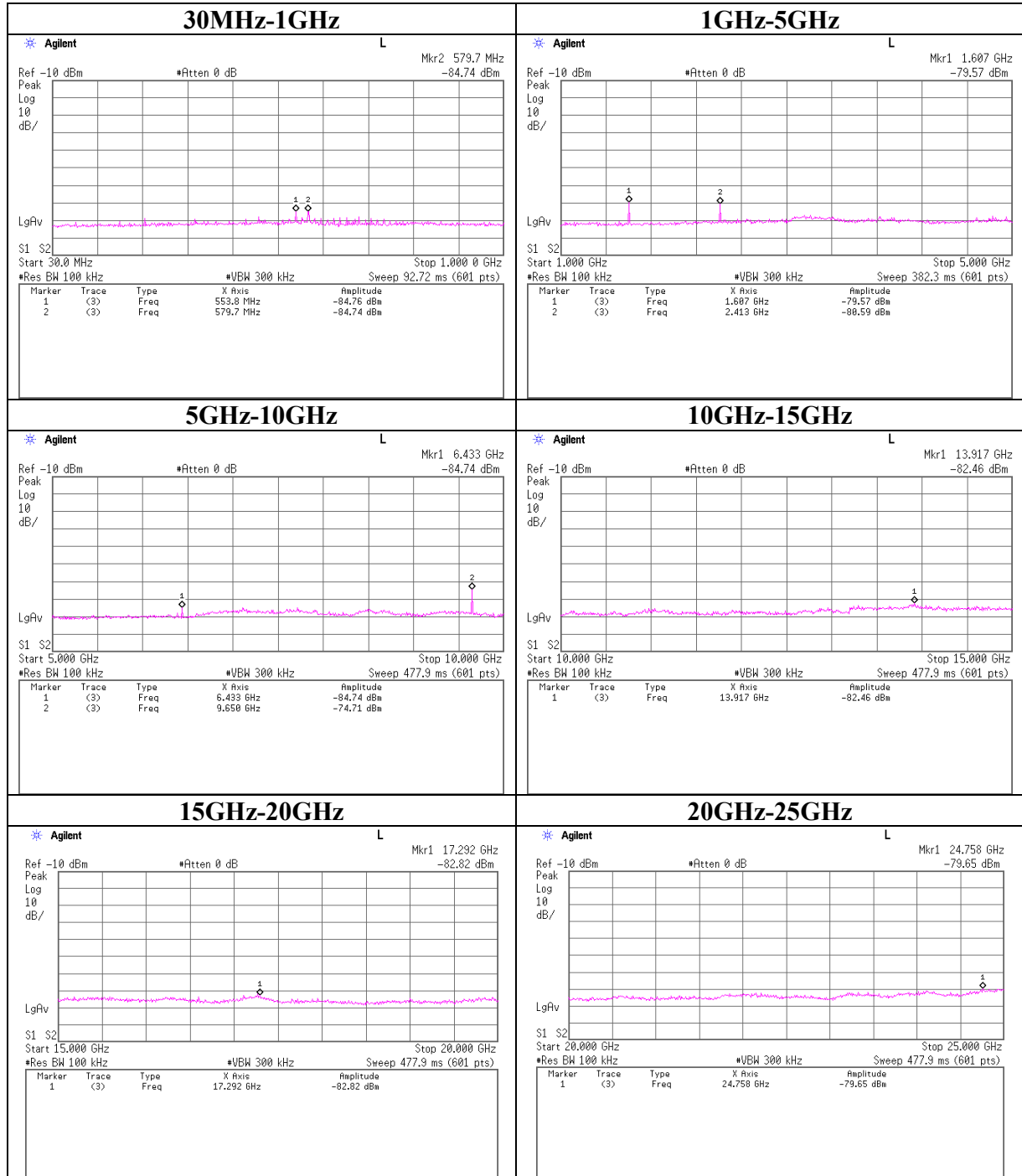
Conducted Spurious Emission
IEEE802.11g Ch: High



Conducted Spurious Emission IEEE802.11b Rx

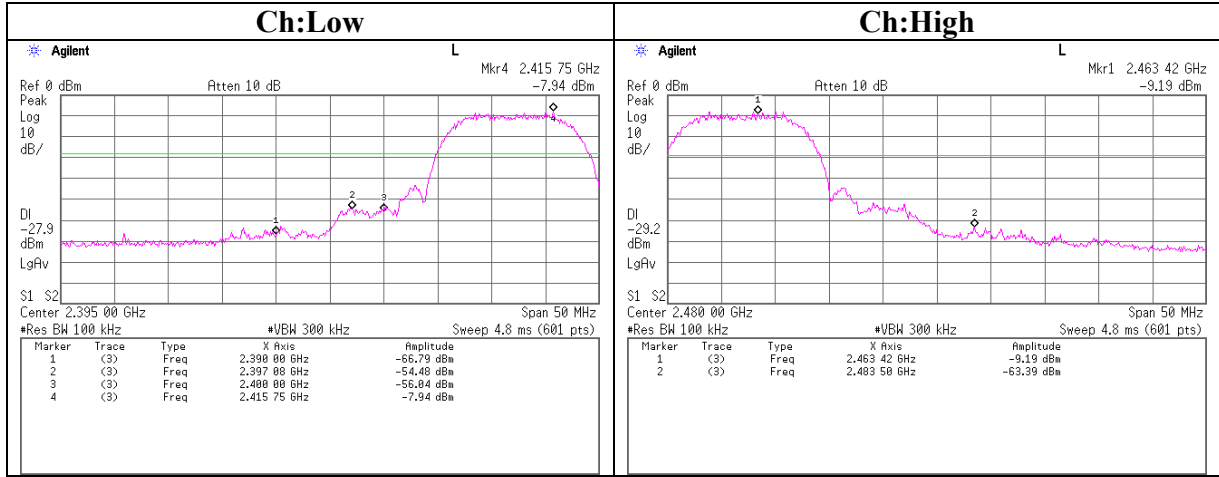


Conducted Spurious Emission
IEEE802.11g Rx

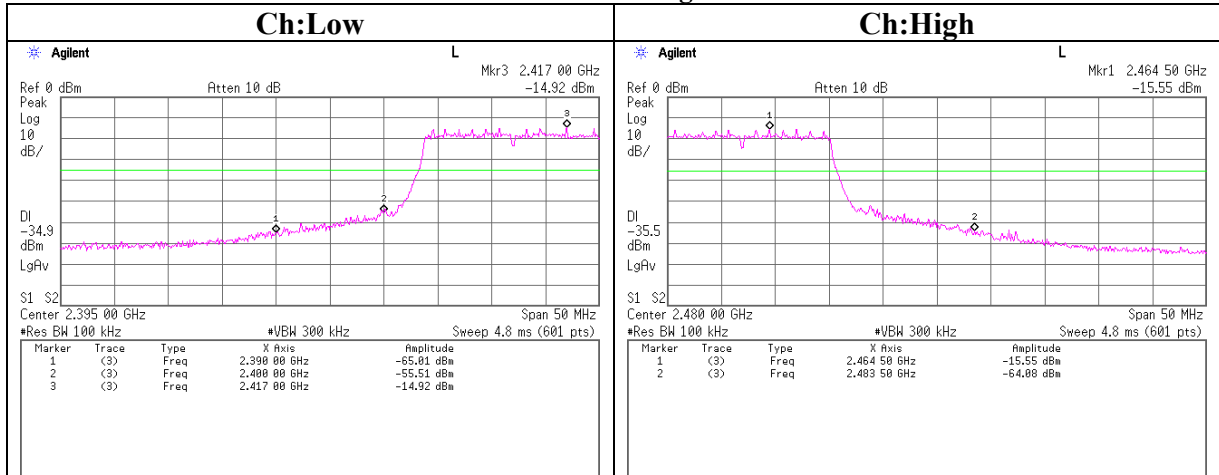


Conducted emission Band Edge compliance

IEEE802.11b



IEEE802.11g



Power Density

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

COMPANY : RICOH COMPANY, LTD. REPORT NO : 26IE0327-HO
EQUIPMENT : Digital Camera REGULATION : FCC15.247(e)/RSS-210A8.2(2)
MODEL : Caplio 500SE-W TEST DISTANCE : -
SAMPLE NO. : 00010047 DATE : 2006/10/13
POWER : DC3.8V TEMPERATURE : 25deg.C.
MODE : Tx(Ch L, M, H) HUMIDITY : 56%
ENGINEER : Hiroka Umeyama

[IEEE802.11b:11Mbps]

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-18.80	1.6	10.1	-7.1	8.0	15.1
Mid	2437.0	-19.66	1.6	10.1	-7.9	8.0	15.9
High	2462.0	-16.85	1.7	10.1	-5.0	8.0	13.0

Sample Calculation:
Result = Reading + Cable Loss + Attenuator

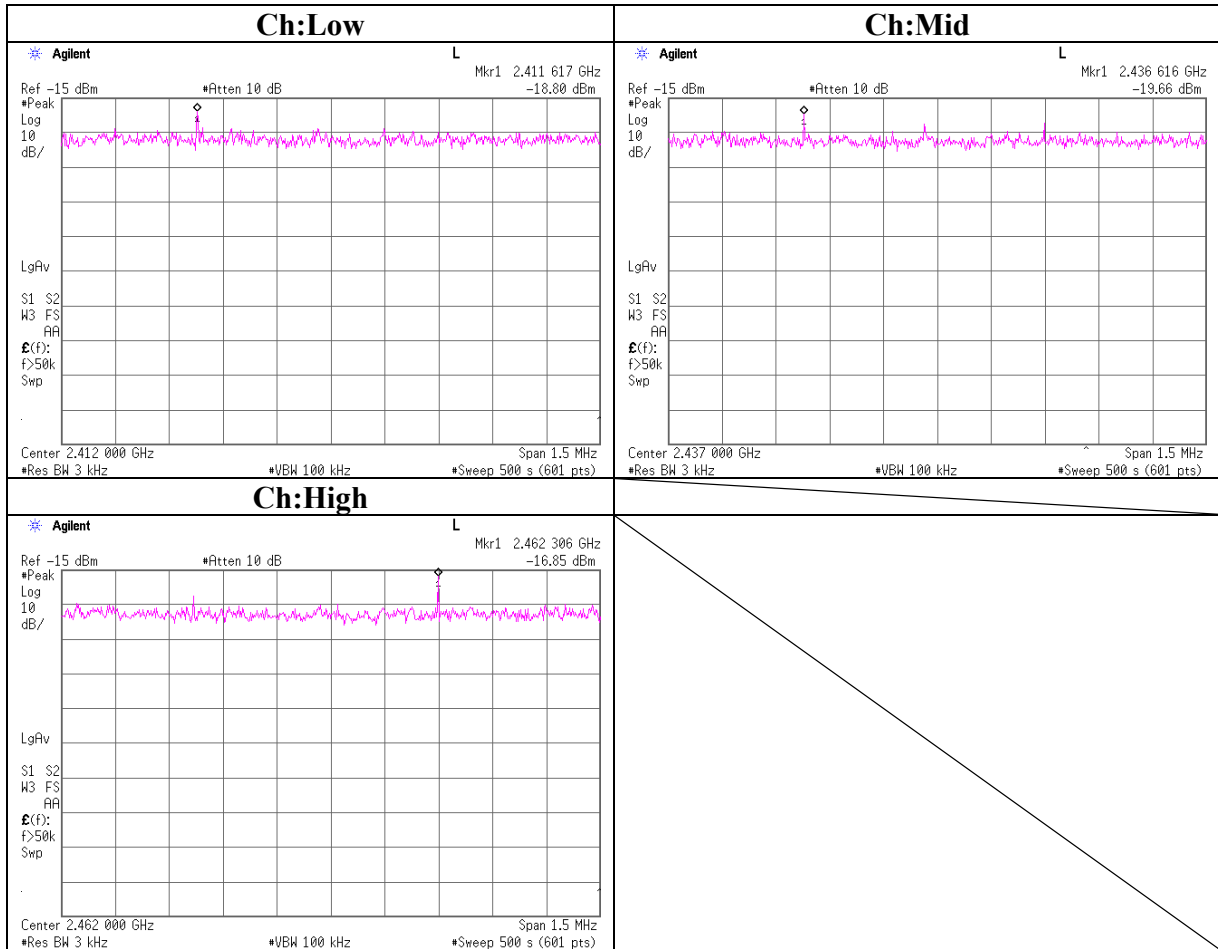
[IEEE802.11g:9Mbps]

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-29.01	1.6	10.1	-17.3	8.0	25.3
Mid	2437.0	-29.38	1.6	10.1	-17.6	8.0	25.6
High	2462.0	-30.24	1.7	10.1	-18.4	8.0	26.4

Sample Calculation:
Result = Reading + Cable Loss + Attenuator

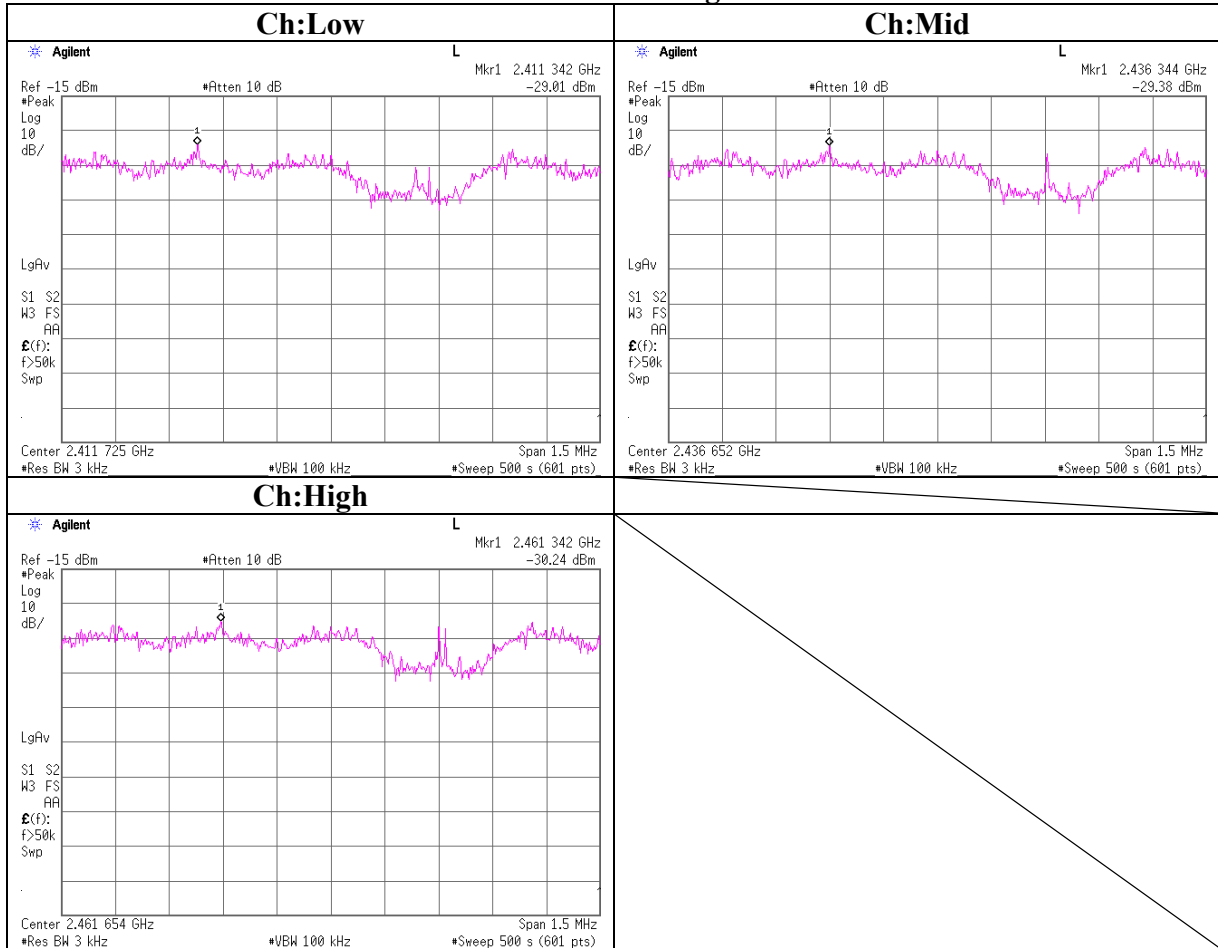
Power Density

IEEE802.11b



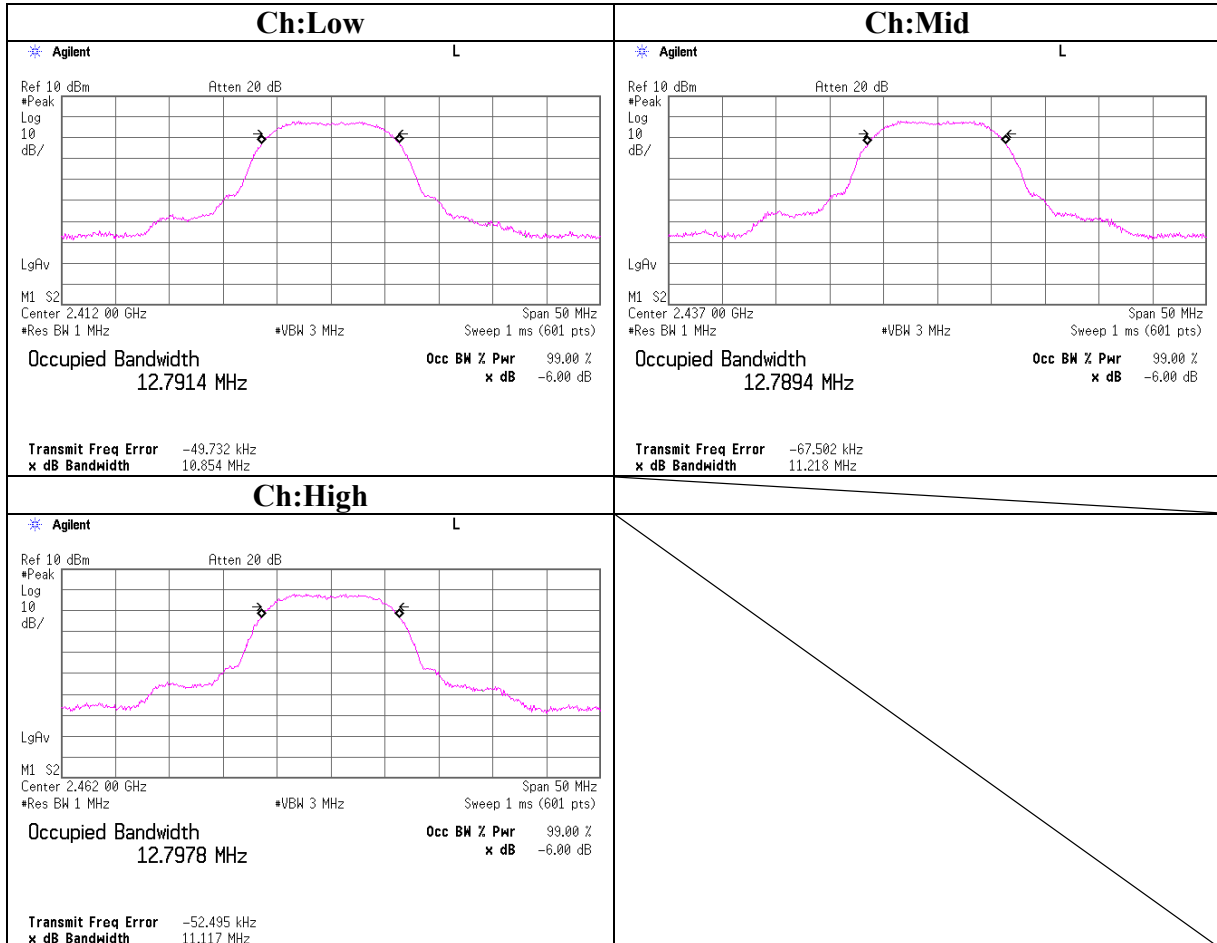
Power Density

IEEE802.11g



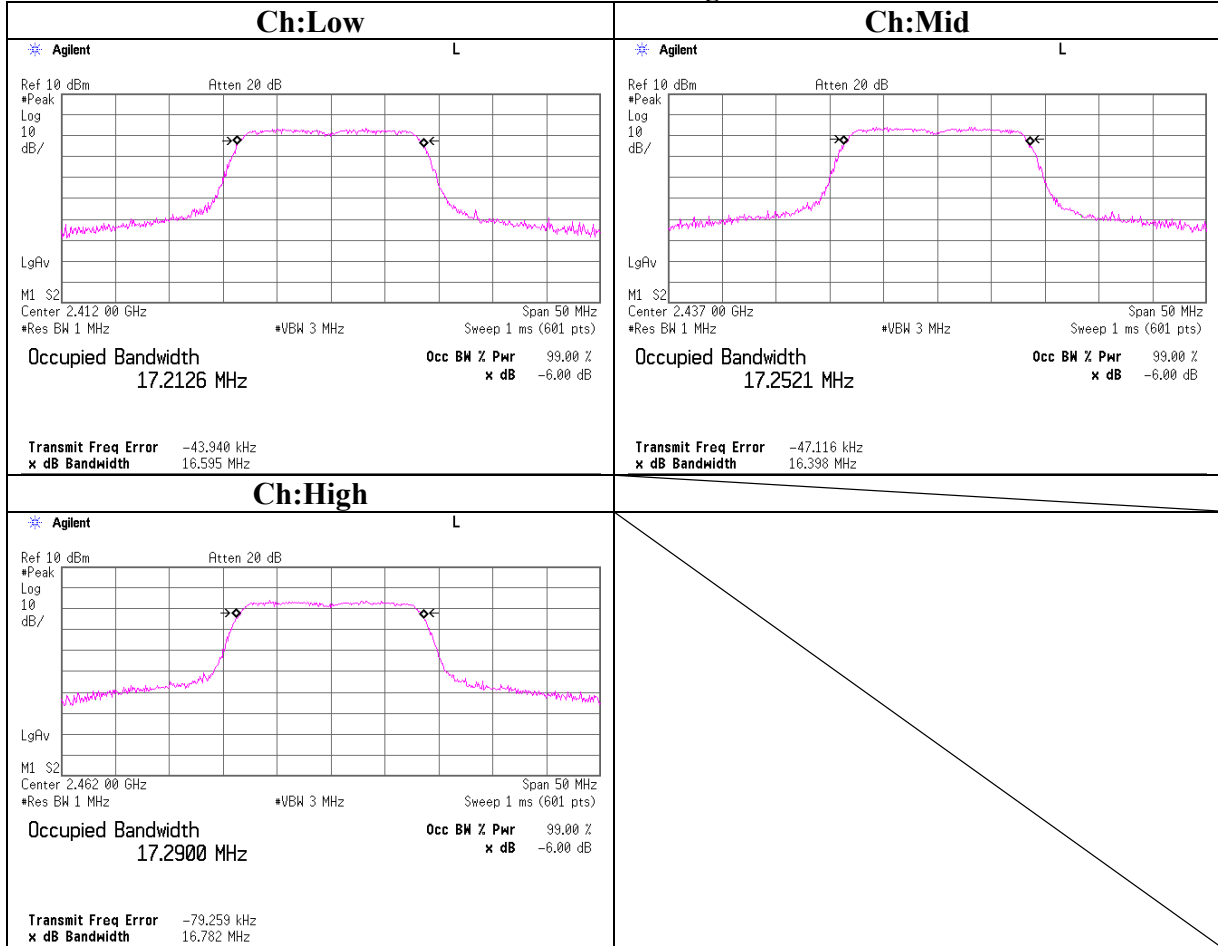
99%Occupied Bandwidth

IEEE802.11b



99% Occupied Bandwidth

IEEE802.11g



APPENDIX 3:Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MOS-04	Digital Humidity Indicator	N.T	NT-1800	AT	2004/11/25 * 24
MRENT-36	Power Meter	Anritsu	ML2496A	AT	2006/04/25 * 12
MRENT-33	Power sensor	Anritsu	MA2411B	AT	2006/04/25 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2006/09/13 * 12
MCC-16	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	AT	2006/02/02 * 12
MAT-23	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	AT	2006/03/18 * 12
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2006/03/06 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE/CE	2006/01/19 * 24
MJM-07	Measure	PROMART	SEN1955	RE	-
MHA-21	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2006/08/17 * 12
MCC-57	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2006/04/15 * 12
MAT-20	Attenuator(10dB)(above 1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	RE	2006/01/10 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	RE	2006/03/27 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	RE/CE	2006/05/20 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2006/01/09 * 12
MHF-05	High Pass Filter 3.5-24GHz	Tokimec	TF323DCA	RE	2006/01/24 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE	-
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	RE/CE	2006/02/02 * 12
MCC-50	Coaxial cable	UL Apex	-	RE /CE	2006/03/09 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	RE	2006/03/11 * 12
MPA-14	Pre Amplifier	SONOA INSTRUMENT	310	RE	2006/03/25 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	RE	2006/01/29 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2006/01/29 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2006/02/06 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (AE)	2006/02/06 * 12
MTA-07	Terminator	MCL	BTRM-50	CE	2006/02/06 * 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.

Test Item:

CE: Conducted emission

RE: Radiated emission

AT: Antenna Terminal Conducted Test

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MF060b(14.06.06)