

APPENDIX 2: Data of EMI test

**Conducted Emission
(11b/Low ch./Antenna1)**

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/11/07 17:54:38

Applicant	: CANON INC.	Report No.	: 27BE0338-H0
Kind of EUT	: WLAN MODULE UNIT	Power	: DC3.3V
Model No.	: CH91108	Temp°C/Humi%	: 22deg. C / 62%
Serial No.	: 55	Operator	: Motoya Imura

Mode / Remarks : Transmitting 2412MHz, 11b, 11Mbps, ANT1

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

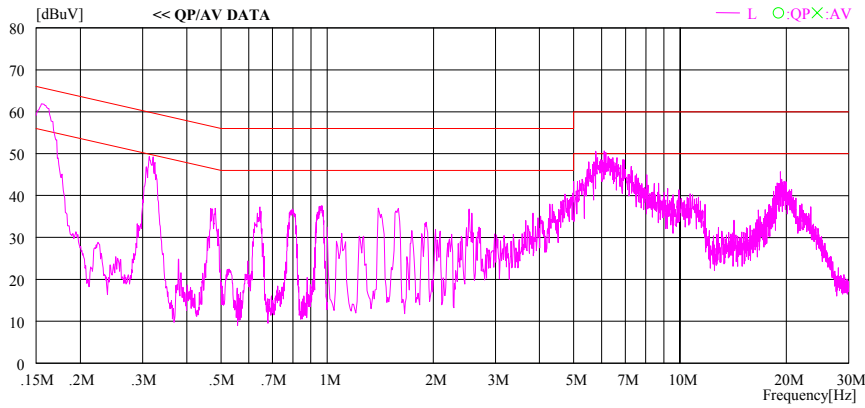
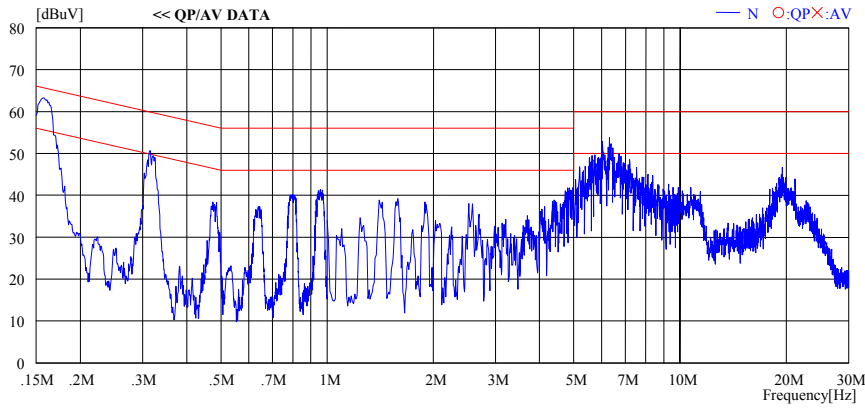


CHART: WITHOUT FACTOR. Peak hold data. Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission
(11b/Mid ch./Antenna1)

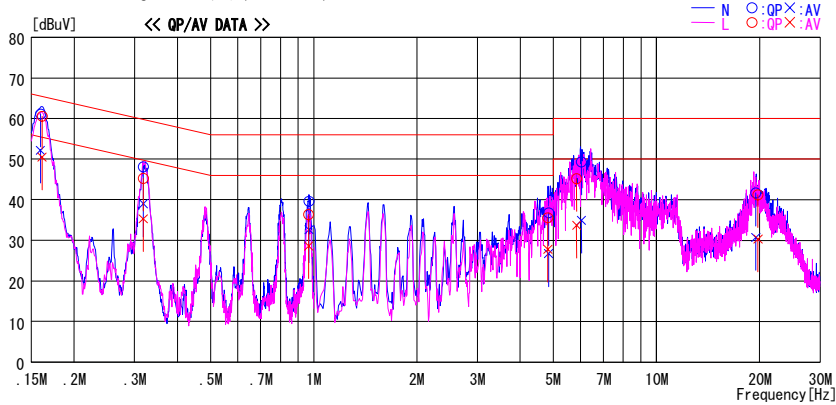
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2006/11/07 18:01:01

Applicant : CANON INC. Report No. : 27BE0338-HO
Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
Model No. : CH91108 Temp°C/Humi% : 22deg.C / 62%
Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2437MHz, 11b, 11Mbps, AN1

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
FCC15C § 15.207 (AV) / RSS-Gen / RSS-210



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]	
0.15940	61.0	52.1	0.1	61.1	52.2	65.5	55.5	4.4	3.3	N
0.31830	47.9	38.8	0.2	48.1	39.0	59.8	49.8	11.7	10.8	N
0.96830	39.3	32.3	0.3	39.6	32.6	56.0	46.0	16.4	13.4	N
4.84400	36.3	26.2	0.5	36.8	26.7	56.0	46.0	19.2	19.3	N
6.03880	48.7	34.3	0.6	49.3	34.9	60.0	50.0	10.7	15.1	N
19.48100	40.1	29.2	1.5	41.6	30.7	60.0	50.0	18.4	19.3	N
0.16120	60.4	50.4	0.1	60.5	50.5	65.4	55.4	4.9	4.9	L
0.31811	45.1	35.1	0.2	45.3	35.3	59.8	49.8	14.5	14.5	L
0.96610	36.1	28.3	0.3	36.4	28.6	56.0	46.0	19.6	17.4	L
4.81700	35.1	27.3	0.5	35.6	27.8	56.0	46.0	20.4	18.2	L
5.85100	44.6	33.1	0.6	45.2	33.7	60.0	50.0	14.8	16.3	L
19.78000	39.7	28.8	1.5	41.2	30.3	60.0	50.0	18.8	19.7	L

CHART:WITHOUT FACTOR,Peak hold data.Data is uncorrected.
Except for the above table : adequate margin data below the limits.

Conducted Emission
(11b/High ch./Antenna1)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
 Date : 2006/11/07 18:07:19

Applicant	: CANON INC.	Report No.	: 27BE0338-HO
Kind of EUT	: WLAN MODULE UNIT	Power	: DC3.3V
Model No.	: CH91108	Temp°C/Humi%	: 22deg. C / 62%
Serial No.	: 55	Operator	: Motoya Imura

Mode / Remarks : Transmitting 2462MHz, 11b, 11Mbps, ANT1

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

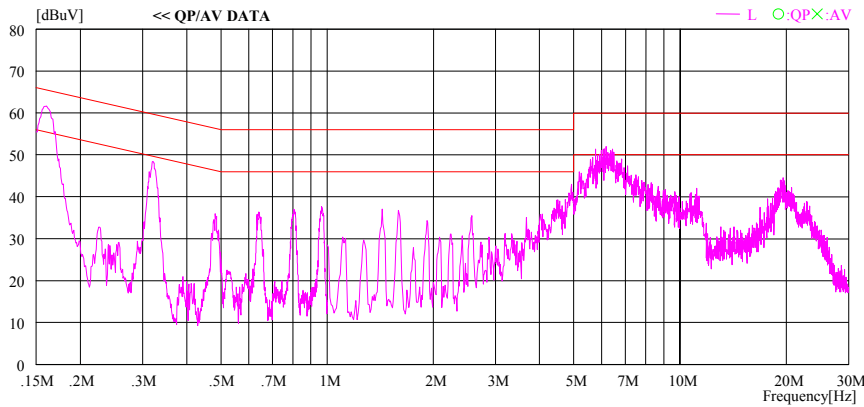
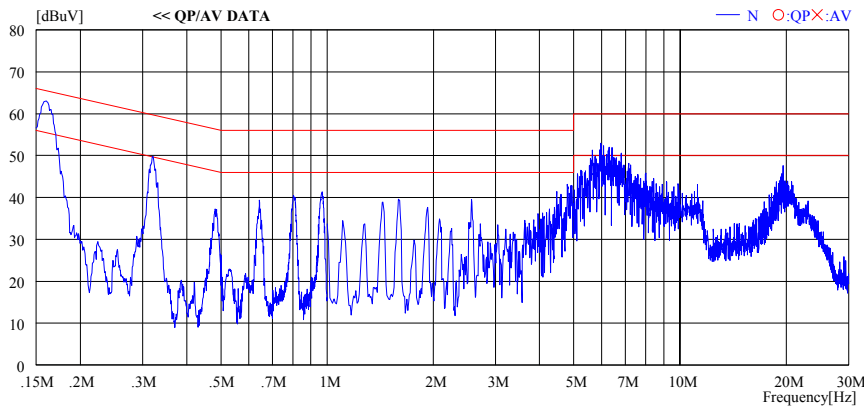


CHART:WITHOUT FACTOR,Peak hold data.Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission
(11g/Low ch./Antenna1)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2006/11/07 18:17:37

Applicant	: CANON INC.	Report No.	: 27BE0338-HO
Kind of EUT	: WLAN MODULE UNIT	Power	: DC3.3V
Model No.	: CH91108	Temp°C/Humi%	: 22deg. C / 62%
Serial No.	: 55	Operator	: Motoya Imura

Mode / Remarks : Transmitting 2412MHz, 11g, 54Mbps, ANT1

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

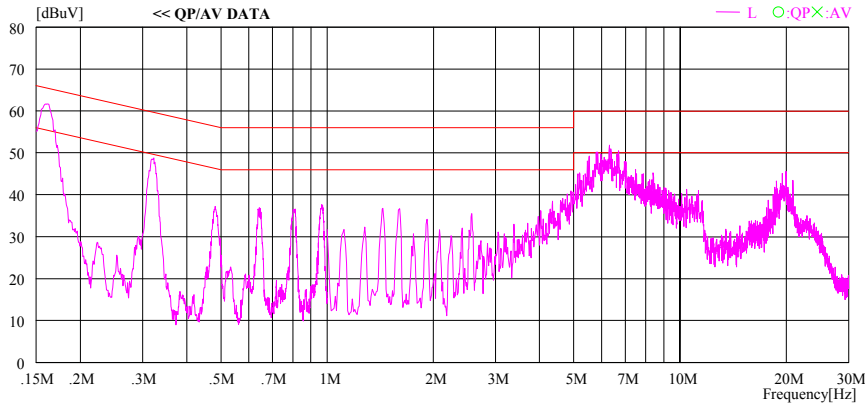
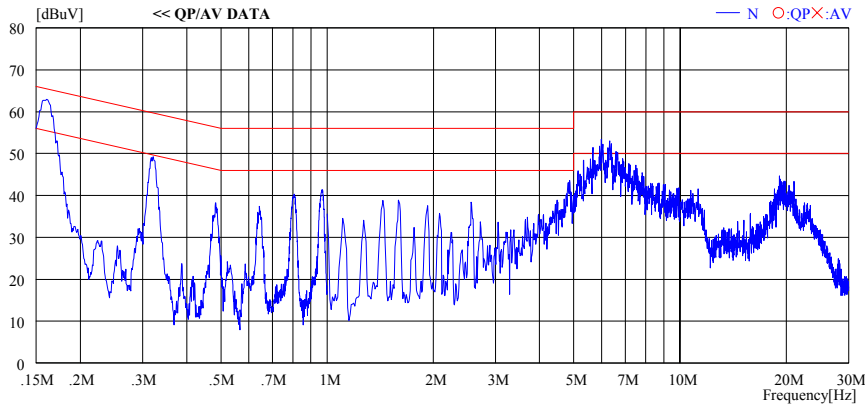


CHART:WITHOUT FACTOR,Peak hold data.Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission (11g/Mid ch./Antenna1)

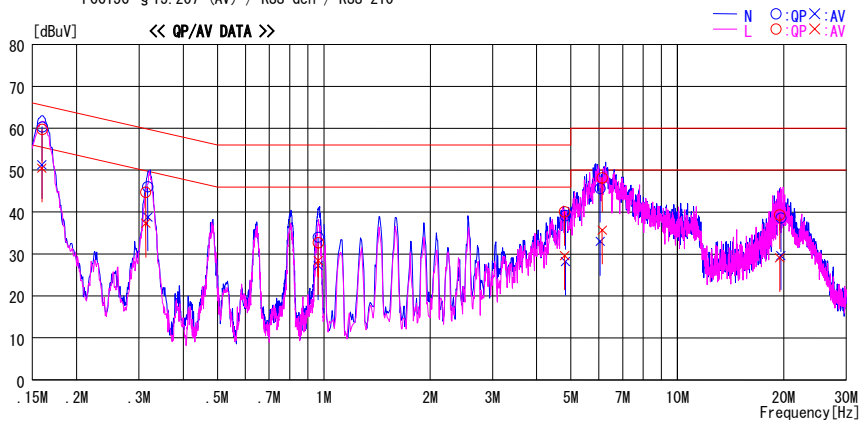
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
 Date : 2006/11/07 18:22:49

Applicant : CANON INC. Report No. : 27BE0338-HO
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp°C/Humi% : 22deg. C / 62%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2437MHz, 11g, 54Mbps, ANT1

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210



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]	
0.15935	60.2	51.2	0.1	60.3	51.3	65.5	55.5	5.2	4.2	N
0.15945	59.6	50.4	0.1	59.7	50.5	65.5	55.5	5.8	5.0	L
0.31340	44.6	37.1	0.2	44.8	37.3	59.9	49.9	15.1	12.6	L
0.31780	45.9	38.6	0.2	46.1	38.8	59.8	49.8	13.7	11.0	N
0.96450	32.4	28.1	0.3	32.7	28.4	56.0	46.0	23.3	17.6	L
0.96440	33.7	26.9	0.3	34.0	27.2	56.0	46.0	22.0	18.8	N
4.79800	39.6	29.1	0.5	40.1	29.6	56.0	46.0	15.9	16.4	L
4.82320	38.7	27.7	0.5	39.2	28.2	56.0	46.0	16.8	17.8	N
6.04800	45.1	32.4	0.6	45.7	33.0	60.0	50.0	14.3	17.0	N
6.12600	47.6	35.1	0.6	48.2	35.7	60.0	50.0	11.8	14.3	L
19.47200	37.9	27.6	1.5	39.4	29.1	60.0	50.0	20.6	20.9	L
19.63300	37.1	28.1	1.5	38.6	29.6	60.0	50.0	21.4	20.4	N

CHART: WITHOUT FACTOR, Peak hold data. Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission (11g/High ch./Antenna1)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2006/11/07 18:40:22

Applicant	: CANON INC.	Report No.	: 27BE0338-H0
Kind of EUT	: WLAN MODULE UNIT	Power	: DC3.3V
Model No.	: CH91108	Temp°C/Humi%	: 22deg. C / 62%
Serial No.	: 55	Operator	: Motoya Imura

Mode / Remarks : Transmitting 2462MHz, 11g, 54Mbps, ANT1

LIMIT : FCC15C §15.207 (QP) / RSS-Gen / RSS-210
 FCC15C §15.207 (AV) / RSS-Gen / RSS-210

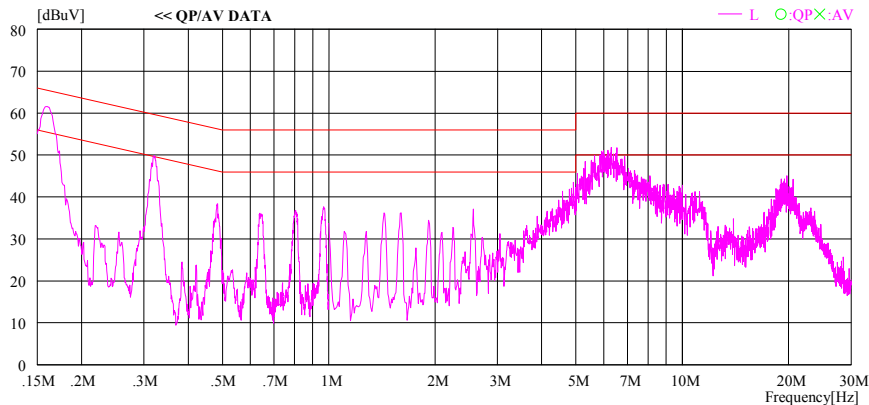
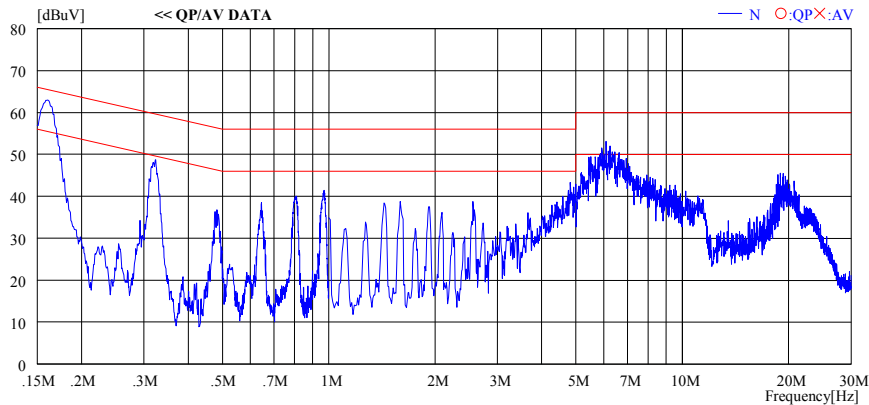


CHART:WITHOUT FACTOR,Peak hold data.Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission
(Rx,11b/g Mid ch./Antenna1)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2006/11/07 18:47:48

Applicant : CANON INC.	Report No. : 27BE0338-HO
Kind of EUT : WLAN MODULE UNIT	Power : DC3.3V
Model No. : CH91108	Temp/C/Humi% : 22deg.C / 62%
Serial No. : 55	Operator : Motoya Imura

Mode / Remarks : Receiving 2437MHz, 11b/g, ANT1

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

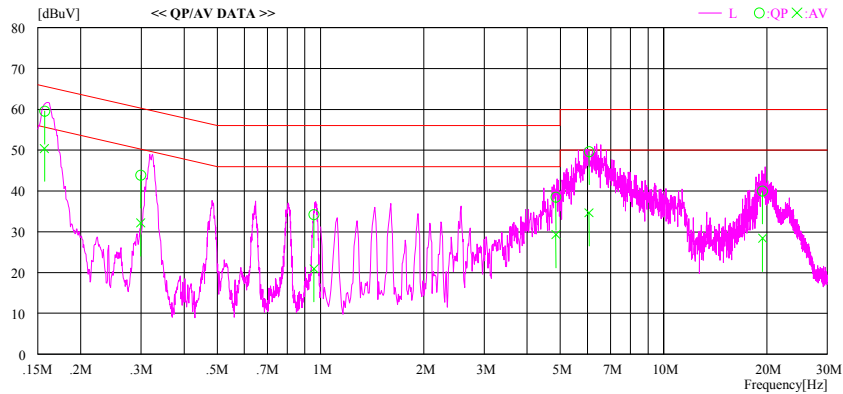
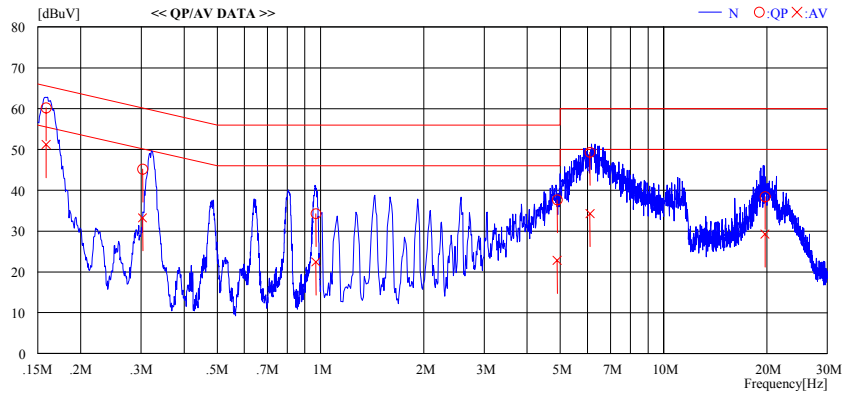


CHART:WITHOUT FACTOR,Peak hold data.Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission
(11b/Low ch./Antenna2)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
 Date : 2006/11/07 14:47:21

Applicant	: CANON INC.	Report No.	: 27BE0338-HO
Kind of EUT	: WLAN MODULE UNIT	Power	: DC3.3V
Model No.	: CH91108	Temp°C/Humi%	: 22deg. C / 62%
Serial No.	: 55	Operator	: Motoya Imura

Mode / Remarks : Transmitting 2412MHz, 11b, 11Mbps, ANT2

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

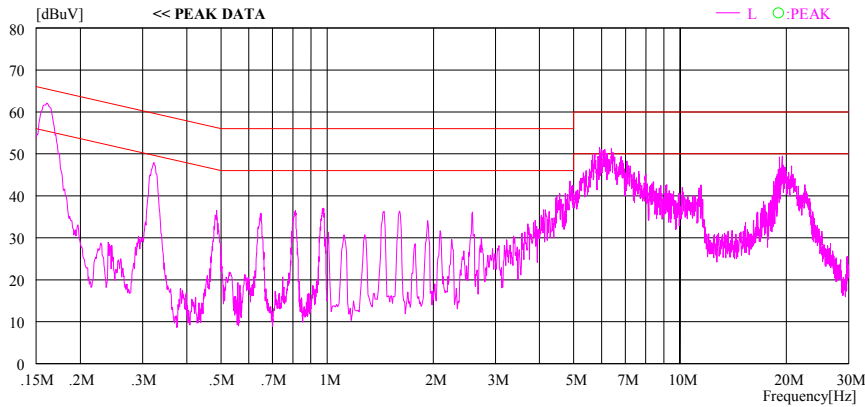
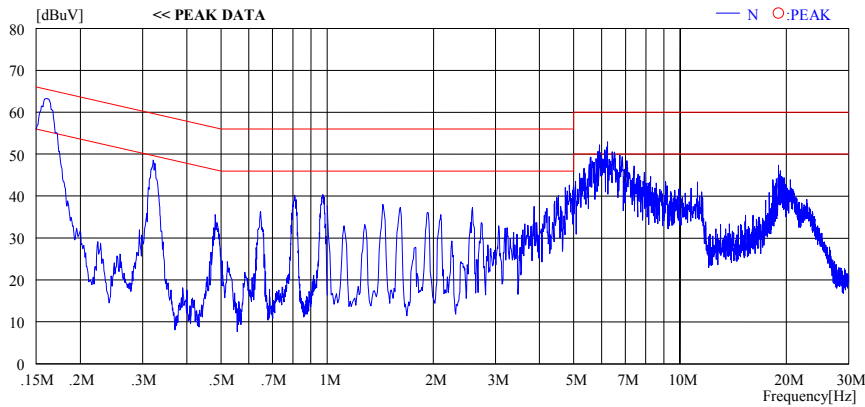


CHART:WITHOUT FACTOR,Peak hold data.Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission (11b/Mid ch./Antenna2)

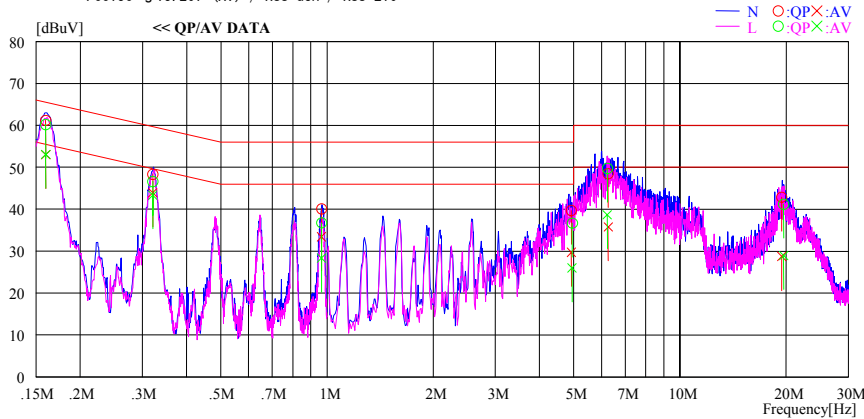
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
 Date : 2006/11/07 15:03:48

Applicant : CANON INC. Report No. : 27BE0338-HO
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp°C/Humi% : 22deg. C / 62%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2437MHz, 11b, 11Mbps, ANT2

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210



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]	
0.15969	61.1	52.9	0.1	61.2	53.0	65.5	55.5	4.3	2.5	N
0.32103	48.1	43.7	0.2	48.3	43.9	59.7	49.7	11.4	5.8	N
0.96551	39.8	33.1	0.3	40.1	33.4	56.0	46.0	15.9	12.6	N
4.92350	39.2	29.2	0.5	39.7	29.7	56.0	46.0	16.3	16.3	N
6.26100	47.8	35.1	0.7	48.5	35.8	60.0	50.0	11.5	14.2	N
19.42400	41.3	27.2	1.5	42.8	28.7	60.0	50.0	17.2	21.3	N
0.15967	60.1	53.0	0.1	60.2	53.1	65.5	55.5	5.3	2.4	L
0.32091	46.4	43.2	0.2	46.6	43.4	59.7	49.7	13.1	6.3	L
0.96497	36.5	28.0	0.3	36.8	28.3	56.0	46.0	19.2	17.7	L
4.94950	36.2	25.5	0.5	36.7	26.0	56.0	46.0	19.3	20.0	L
6.22700	49.0	38.0	0.7	49.7	38.7	60.0	50.0	10.3	11.3	L
19.68400	39.7	27.4	1.5	41.2	28.9	60.0	50.0	18.8	21.1	L

CHART: WITHOUT FACTOR, Peak hold data. Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission (11b/High ch./Antenna2)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
 Date : 2006/11/07 15:56:01

Applicant	: CANON INC.	Report No.	: 27BE0338-H0
Kind of EUT	: WLAN MODULE UNIT	Power	: DC3.3V
Model No.	: CH91108	Temp°C/Humi%	: 22deg. C / 62%
Serial No.	: 55	Operator	: Motoya Imura

Mode / Remarks : Transmitting 2462MHz, 11b, 11Mbps, ANT2

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

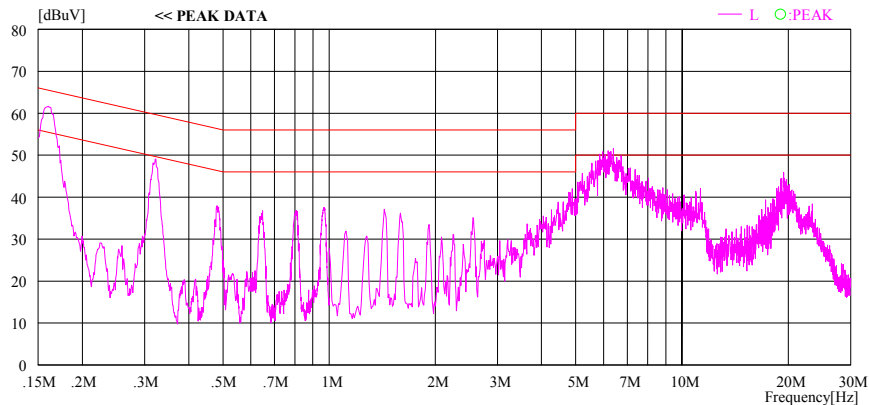
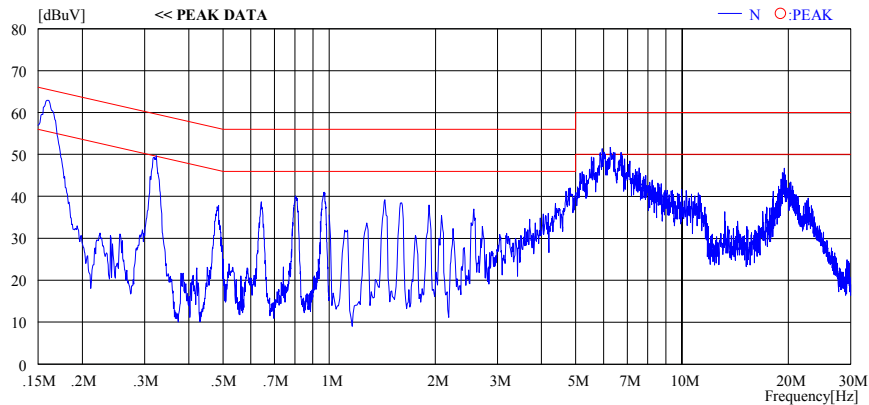


CHART:WITHOUT FACTOR,Peak hold data.Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission (11g/Low ch./Antenna2)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
 Date : 2006/11/07 16:42:23

Applicant	: CANON INC.	Report No.	: 27BE0338-H0
Kind of EUT	: WLAN MODULE UNIT	Power	: DC3.3V
Model No.	: CH91108	Temp°C/Humi%	: 22deg. C / 62%
Serial No.	: 55	Operator	: Motoya Imura

Mode / Remarks : Transmitting 2412MHz, 11g, 54Mbps, ANT2

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

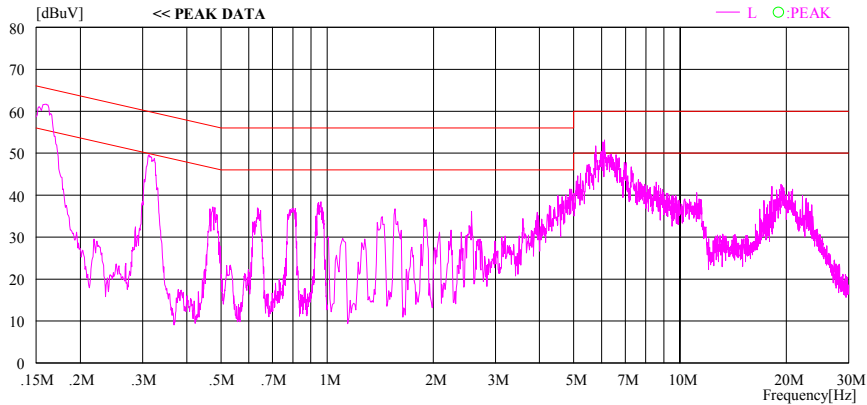
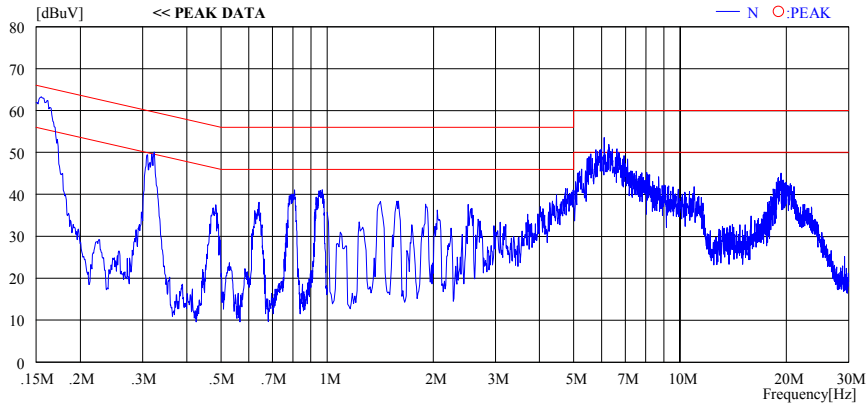


CHART:WITHOUT FACTOR,Peak hold data.Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission (11g/Mid ch./Antenna2)

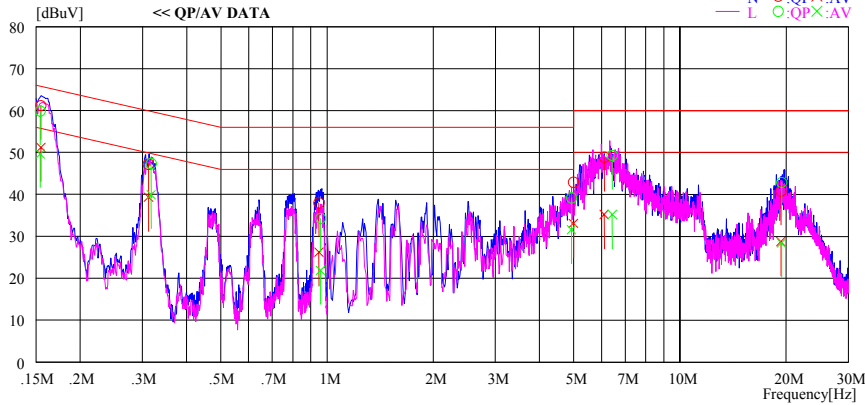
DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
 Date : 2006/11/07 16:49:23

Applicant : CANON INC. Report No. : 27BE0338-HO
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp°C/Humi% : 22deg. C / 62%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2437MHz, 11g, 54Mbps, ANT2

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210



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]	
0.15475	61.1	51.1	0.1	61.2	51.2	65.7	55.7	4.5	4.5	N
0.31215	47.0	39.1	0.2	47.2	39.3	59.9	49.9	12.7	10.6	N
0.94950	37.7	25.9	0.3	38.0	26.2	56.0	46.0	18.0	19.8	N
4.99352	42.4	32.6	0.5	42.9	33.1	56.0	46.0	13.1	12.9	N
6.10700	48.3	34.6	0.6	48.9	35.2	60.0	50.0	11.1	14.8	N
19.31917	39.3	27.2	1.5	40.8	28.7	60.0	50.0	19.2	21.3	N
0.15410	59.8	49.6	0.1	59.9	49.7	65.8	55.8	5.9	6.1	L
0.31758	47.2	39.7	0.2	47.4	39.9	59.8	49.8	12.4	9.9	L
0.95920	34.0	21.6	0.3	34.3	21.9	56.0	46.0	21.7	24.1	L
4.93220	38.7	31.1	0.5	39.2	31.6	56.0	46.0	16.8	14.4	L
6.42880	48.6	34.5	0.7	49.3	35.2	60.0	50.0	10.7	14.8	L
19.41260	41.3	26.9	1.5	42.8	28.4	60.0	50.0	17.2	21.6	L

CHART:WITHOUT FACTOR,Peak hold data.Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission (11g/High ch./Antenna2)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
 Date : 2006/11/07 17:42:21

Applicant	: CANON INC.	Report No.	: 27BE0338-H0
Kind of EUT	: WLAN MODULE UNIT	Power	: DC3.3V
Model No.	: CH91108	Temp°C/Humi%	: 22deg. C / 62%
Serial No.	: 55	Operator	: Motoya Imura

Mode / Remarks : Transmitting 2462MHz, 11g, 54Mbps, ANT2

LIMIT : FCC15C §15.207 (QP) / RSS-Gen / RSS-210
 FCC15C §15.207 (AV) / RSS-Gen / RSS-210

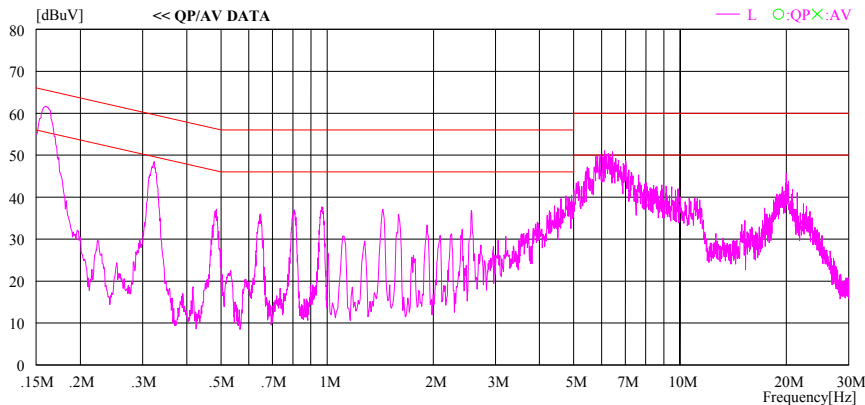
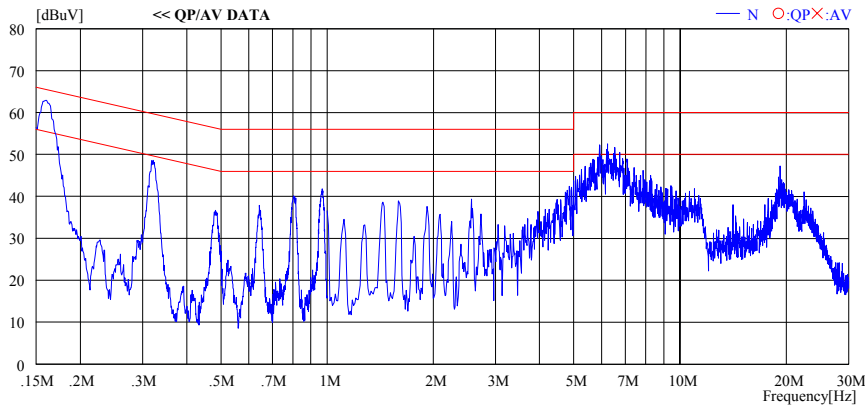


CHART:WITHOUT FACTOR,Peak hold data.Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

Conducted Emission
(Rx,11b/g Mid ch./Antenna2)

DATA OF CONDUCTED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.4 Semi Anechoic Chamber
 Date : 2006/11/07 16:01:16

Applicant	: CANON INC.	Report No.	: 27BE0338-HO
Kind of EUT	: WLAN MODULE UNIT	Power	: DC3.3V
Model No.	: CH91108	Temp°C/Humi%	: 22deg. C / 62%
Serial No.	: 55	Operator	: Motoya Imura

Mode / Remarks : Receiving 2437MHz, 11b/g, ANT2

LIMIT : FCC15C § 15.207 (QP) / RSS-Gen / RSS-210
 FCC15C § 15.207 (AV) / RSS-Gen / RSS-210

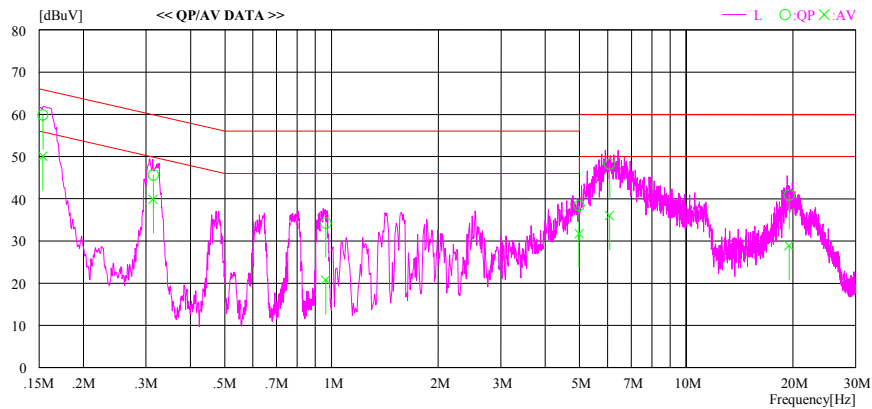
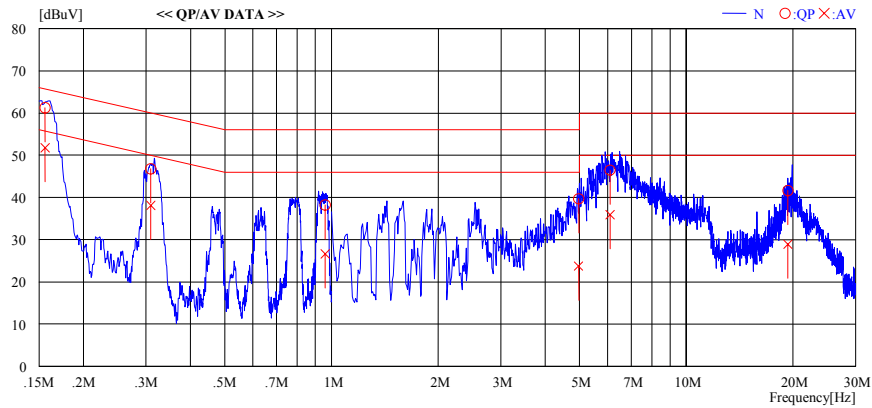


CHART:WITHOUT FACTOR. Peak hold data. Data is uncorrected.
 Except for the above table : adequate margin data below the limits.

6dB Bandwidth

UL Apex Co., Ltd.
Head Office EMC Lab. No.6 Shielded Room

Company : CANON INC.
Equipment : WLAN MODULE UNIT
Model : CH91108
Sample No. : 55
Power : DC3.3V
Mode : Tx (ch Low, Mid, High)

REPORT NO : 27BE0338-HO
REGULATION : FCC15.247(a)(2)/RSS-210A8.2(1)
TEST DISTANCE : -
DATE : 2006/10/03
TEMPERATURE : 25deg.C.
HUMIDITY : 64%
ENGINEER : Motoya Imura

[IEEE802.11b]

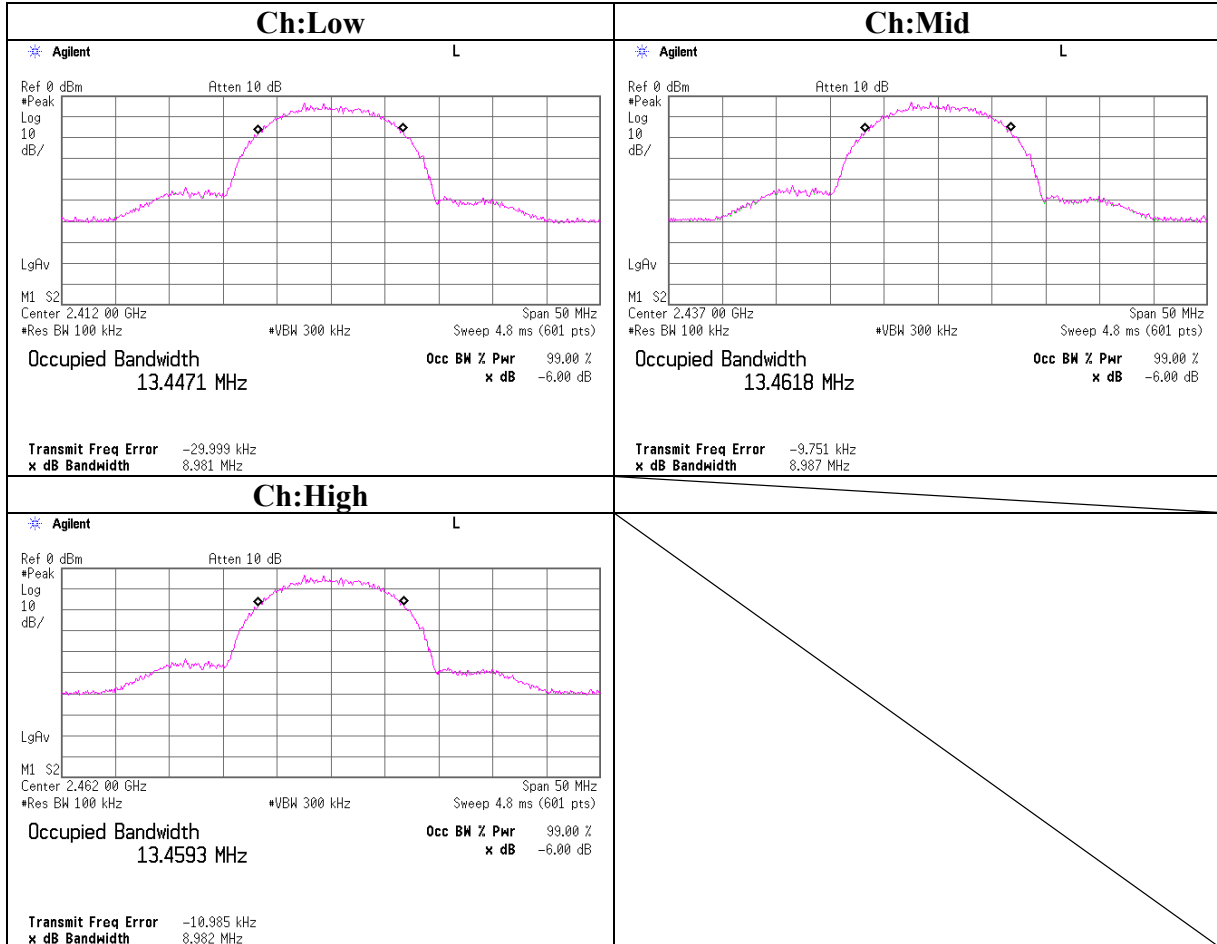
Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	8.981	500.0
Mid	2437.0	8.987	500.0
High	2462.0	8.982	500.0

[IEEE802.11g]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.598	500.0
Mid	2437.0	16.585	500.0
High	2462.0	16.587	500.0

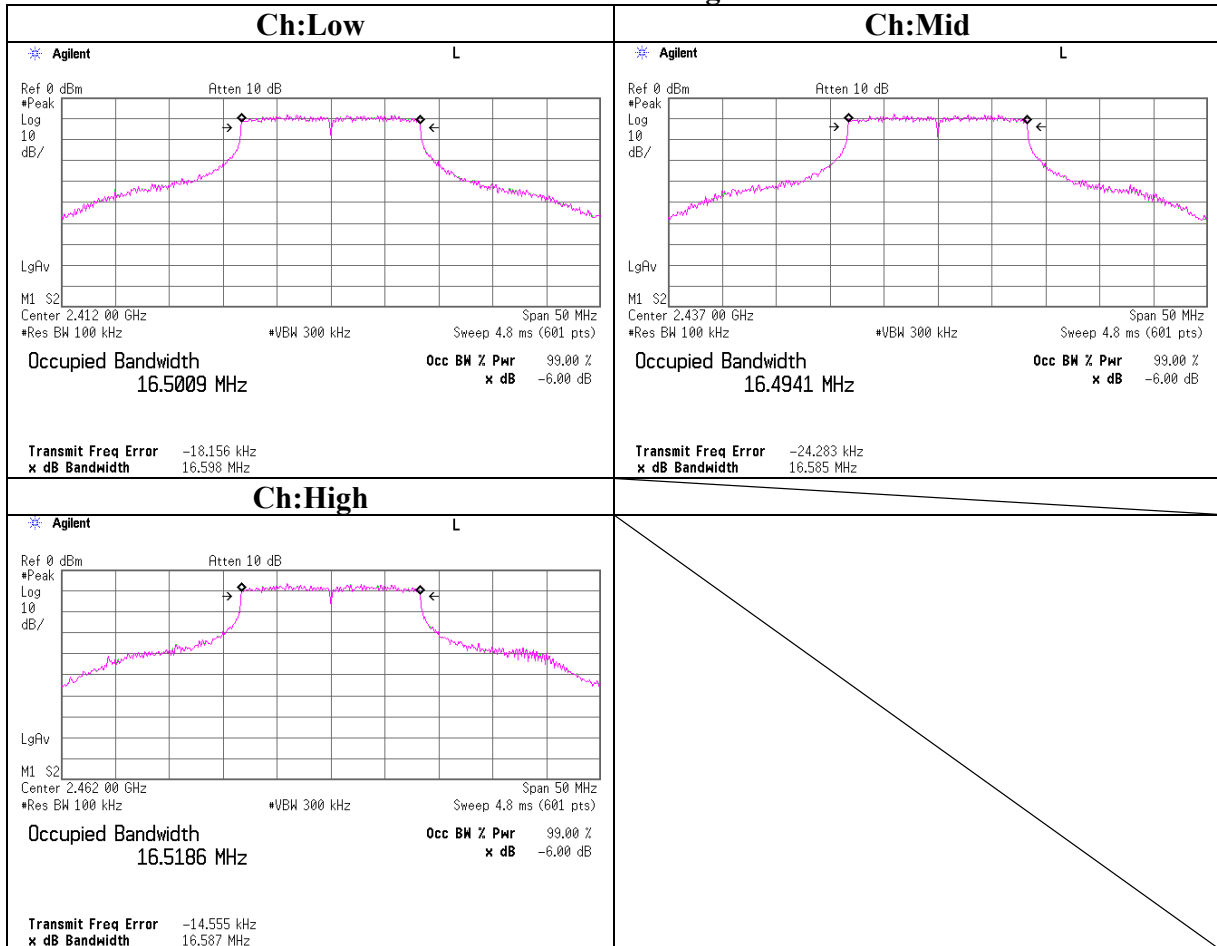
6dB Bandwidth

IEEE802.11b



6dB Bandwidth

IEEE802.11g



Maximum Peak OutPut Power

UL Apex Co., Ltd.
 Head Office EMC Lab. No.6 Measurement Room

Company : CANON INC.	REPORT NO : 27BE0338-HO
Equipment : WLAN MODULE UNIT	REGULATION : FCC15.247(b)(3)/RSS-210A8.4(4)
Model : CH91108	TEST DISTANCE : -
Sample No. : 55	DATE : 2006/10/03
Power : DC3.3V	TEMPERATURE : 25deg.C.
Mode : Tx(ch Low, Mid, High) Antenna port 1	HUMIDITY : 64%
	ENGINEER : Motoya Imura

[IEEE802.11b]

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	7.76	0.50	10.21	18.47	70.31	30.00	1000	11.53
Mid	2437.0	7.69	0.50	10.21	18.40	69.18	30.00	1000	11.60
High	2462.0	7.85	0.50	10.21	18.56	71.78	30.00	1000	11.44

Sample Calculation:

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

[IEEE802.11g]

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	12.02	0.50	10.21	22.73	187.50	30.00	1000	7.27
Mid	2437.0	12.19	0.50	10.21	22.90	194.98	30.00	1000	7.10
High	2462.0	12.45	0.50	10.21	23.16	207.01	30.00	1000	6.84

Sample Calculation:

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

Maximum Peak OutPut Power (Reference DATA)

UL Apex Co., Ltd.
Head Office EMC Lab. No.6 Measurement Room

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC15.247(b)(3)/RSS-210A8.4(4)
Model	: CH91108	TEST DISTANCE	: -
Sample No.	: 55	DATE	: 2006/10/03
Power	: DC3.3V	TEMPERATURE	: 25deg.C.
Mode	: Tx(ch Mid)	HUMIDITY	: 64%
		ENGINEER	: Motoya Imura

Average power (Reference data for SAR testing) [Port 1]

Mode	Freq. [MHz]	P/M AVG Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result	
					[dBm]	[mW]
11b (11Mbps)	2437.0	5.23	0.50	10.21	15.94	39.26
11g (54Mbps)	2437.0	5.29	0.50	10.21	16.00	39.81

Average power (Reference data for SAR testing) [Port 2]

Mode	Freq. [MHz]	P/M AVG Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result	
					[dBm]	[mW]
11b (11Mbps)	2437.0	5.21	0.50	10.21	15.92	39.08
11g (54Mbps)	2437.0	4.60	0.50	10.21	15.31	33.96

Precheck of the Antenna port

< Antenna Port 1 >

Mode	Freq. [MHz]	P/M PKReading [dBm]	Cable Loss [dB]	Atten. [dB]	Result	
					[dBm]	[mW]
IEEE802.11b/11Mbps	2437.0	7.69	0.50	10.21	18.40	69.18
IEEE802.11g/54Mbps	2437.0	12.19	0.50	10.21	22.90	194.98

< Antenna Port 2 >

Mode	Freq. [MHz]	P/M PKReading [dBm]	Cable Loss [dB]	Atten. [dB]	Result	
					[dBm]	[mW]
IEEE802.11b/11Mbps	2437.0	7.69	0.50	10.21	18.40	69.18
IEEE802.11g/54Mbps	2437.0	11.79	0.50	10.21	22.50	177.83

Sample Calculation:

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

Radiated Spurious Emission (below 1GHz)
(11b/Low ch./Antenna 1)

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

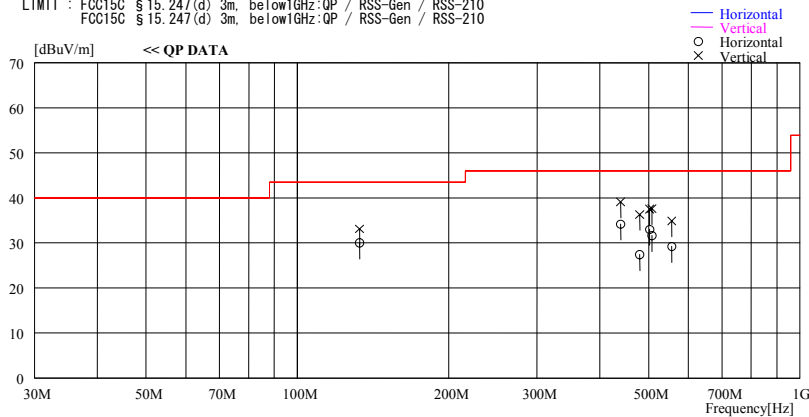
DATA OF RADIATED EMISSION TEST

UL Apex Co., LTD Head Office EMC Lab. No. 4 SEMI Anechoic Chamber
Date : 2006/11/06 12:13:15

Applicant : CANON INC. Report No. : 27BE0338-HO
Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
Model No. : CH91108 Temp°C/Humi% : 21deg. C / 66%
Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2412MHz, 11b, 11Mbps, ANT1, Max axis(Hor:Y Ver:Y)

LIMIT : FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]				
133.003	41.8	QP	14.5	-23.2	33.1	Vert.	43.5	10.4
133.003	38.7	QP	14.5	-23.2	30.0	Hori.	43.5	13.5
440.004	36.4	QP	18.8	-21.0	34.2	Hori.	46.0	11.8
440.004	41.3	QP	18.8	-21.0	39.1	Vert.	46.0	6.9
480.004	37.5	QP	19.6	-20.8	36.3	Vert.	46.0	9.7
480.318	28.6	QP	19.6	-20.8	27.4	Hori.	46.0	18.6
502.463	33.7	QP	19.9	-20.6	33.0	Hori.	46.0	13.0
502.463	38.2	QP	19.9	-20.6	37.5	Vert.	46.0	8.5
507.856	38.2	QP	20.0	-20.6	37.6	Vert.	46.0	8.4
507.856	32.2	QP	20.0	-20.6	31.6	Hori.	46.0	14.4
556.204	29.3	QP	20.3	-20.4	29.2	Hori.	46.0	16.8
556.204	35.0	QP	20.3	-20.4	34.9	Vert.	46.0	11.1

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz)
(11b/Mid ch./Antenna1)

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

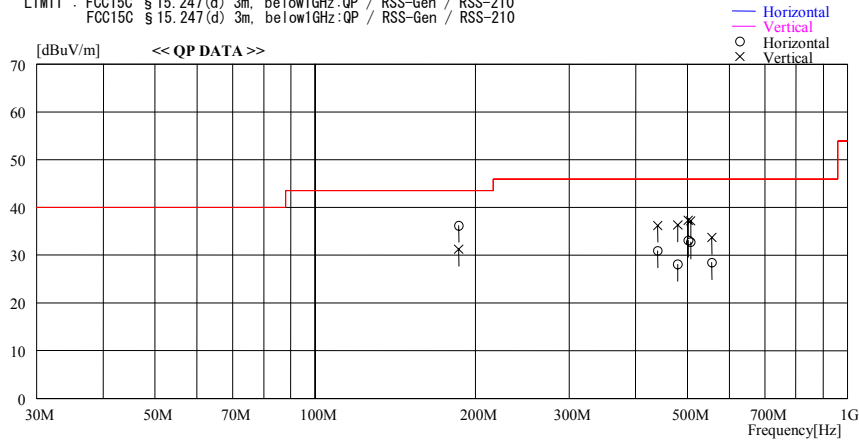
DATA OF RADIATED EMISSION TEST

UL Apex Co., LTD Head Office EMC Lab. No. 4 SEMI Anechoic Chamber
 Date : 2006/11/06 14:32:09

Applicant : CANON INC. Report No. : 27BE0338-H0
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp°C/Humi% : 21deg. C / 66%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2437MHz, 11b, 11Mbps, ANT1, Max axis(Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d) 3m. below1GHz:QP / RSS-Gen / RSS-210
 FCC15C §15.247(d) 3m. below1GHz:QP / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit	Margin
			Factor [dB/m]	Gain [dB]			[dBuV/m]	[dB]
186.006	42.1	QP	16.8	-22.7	36.2	Hori.	43.5	7.3
186.006	37.1	QP	16.8	-22.7	31.2	Vert.	43.5	12.3
440.004	33.1	QP	18.8	-21.0	30.9	Hori.	46.0	15.1
440.004	38.4	QP	18.8	-21.0	36.2	Vert.	46.0	9.8
480.004	37.5	QP	19.6	-20.8	36.3	Vert.	46.0	9.7
480.312	29.3	QP	19.6	-20.8	28.1	Hori.	46.0	17.9
502.447	38.0	QP	19.9	-20.6	37.3	Vert.	46.0	8.7
502.447	33.8	QP	19.9	-20.6	33.1	Hori.	46.0	12.9
507.864	37.8	QP	20.0	-20.6	37.2	Vert.	46.0	8.8
507.864	33.3	QP	20.0	-20.6	32.7	Hori.	46.0	13.3
556.179	33.8	QP	20.3	-20.4	33.7	Vert.	46.0	12.3
556.179	28.5	QP	20.3	-20.4	28.4	Hori.	46.0	17.6

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz)
(11b/High ch./Antenna1)

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

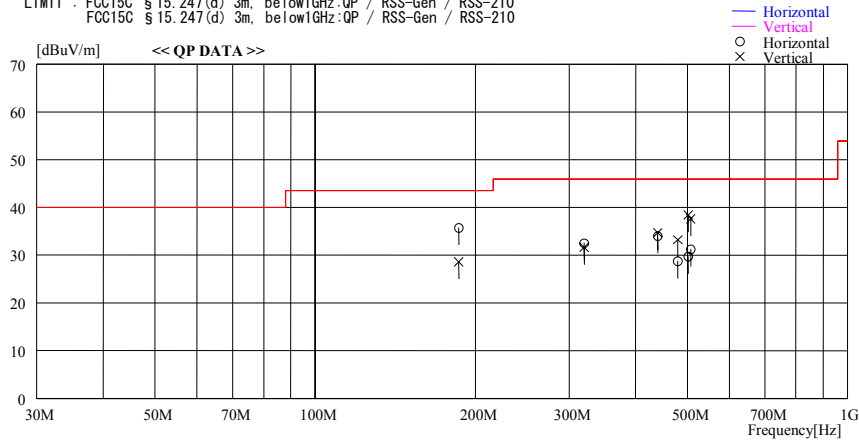
DATA OF RADIATED EMISSION TEST

UL Apex Co., LTD Head Office EMC Lab. No. 4 SEMI Anechoic Chamber
 Date : 2006/11/06 17:51:00

Applicant : CANON INC. Report No. : 27BE0338-H0
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp°C/Humi% : 21deg. C / 66%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2462MHz, 11b, 11Mbps, ANT1, Max axis(Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d) 3m. below1GHz:QP / RSS-Gen / RSS-210
 FCC15C §15.247(d) 3m. below1GHz:QP / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]				
186.002	41.6	QP	16.8	-22.7	35.7	Hori.	43.5	7.8
186.002	34.5	QP	16.8	-22.7	28.6	Vert.	43.5	14.9
320.002	37.3	QP	17.0	-21.8	32.5	Hori.	46.0	13.5
320.002	36.4	QP	17.0	-21.8	31.6	Vert.	46.0	14.4
440.001	36.2	QP	18.8	-21.0	34.0	Hori.	46.0	12.0
440.001	36.9	QP	18.8	-21.0	34.7	Vert.	46.0	11.3
480.287	29.9	QP	19.6	-20.8	28.7	Hori.	46.0	17.3
479.998	34.4	QP	19.6	-20.8	33.2	Vert.	46.0	12.8
502.073	30.4	QP	19.9	-20.6	29.7	Hori.	46.0	16.3
502.451	39.1	QP	19.9	-20.6	38.4	Vert.	46.0	7.6
507.824	38.2	QP	20.0	-20.6	37.6	Vert.	46.0	8.4
507.824	31.8	QP	20.0	-20.6	31.2	Hori.	46.0	14.8

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz)
(11g/Low ch./Antenna1)

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

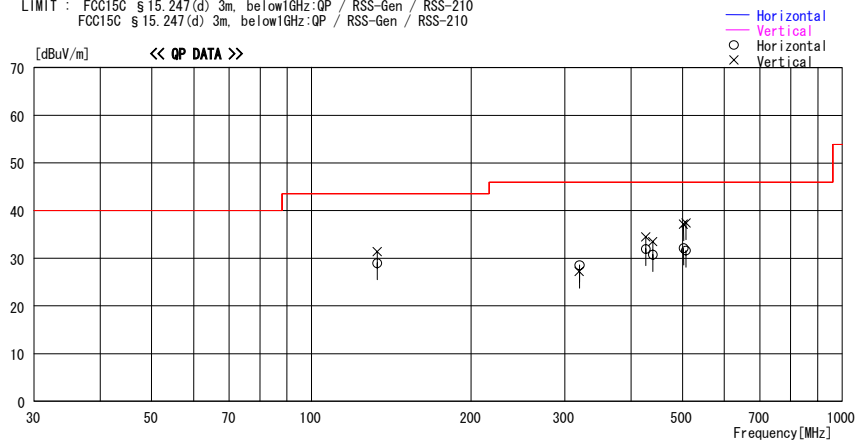
DATA OF RADIATED EMISSION TEST

UL Apex Co., LTD Head Office EMC Lab. No. 4 SEMI Anechoic Chamber
 Date : 2006/11/06 19:47:39

Applicant : CANON INC. Report No. : 27BE0338-HO
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp/C/Humi% : 21deg. C / 66%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2412MHz, 11g, 54Mbps, ANTI, Max axis (Hor:Y Ver:Y)

LIMIT : FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
 FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210



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]						
133.080	37.7	QP	14.5	-23.2	29.0	60	150	Hori.	43.5	14.5
133.080	40.1	QP	14.5	-23.2	31.4	60	100	Vert.	43.5	12.1
319.950	33.4	QP	17.0	-21.8	28.6	350	120	Hori.	46.0	17.4
319.955	32.0	QP	17.0	-21.8	27.2	151	100	Vert.	46.0	18.8
426.639	34.6	QP	18.5	-21.1	32.0	0	120	Hori.	46.0	14.0
426.644	37.1	QP	18.5	-21.1	34.5	151	100	Vert.	46.0	11.5
440.000	33.0	QP	18.8	-21.0	30.8	0	100	Hori.	46.0	15.2
440.000	35.7	QP	18.8	-21.0	33.5	350	134	Vert.	46.0	12.5
502.275	32.8	QP	19.9	-20.6	32.1	235	180	Hori.	46.0	13.9
502.275	37.9	QP	19.9	-20.6	37.2	10	100	Vert.	46.0	8.8
507.925	32.2	QP	20.0	-20.6	31.6	187	180	Hori.	46.0	14.4
507.933	38.0	QP	20.0	-20.6	37.4	69	100	Vert.	46.0	8.6

CHART: WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz)
(11g/Mid ch./Antenna1)

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

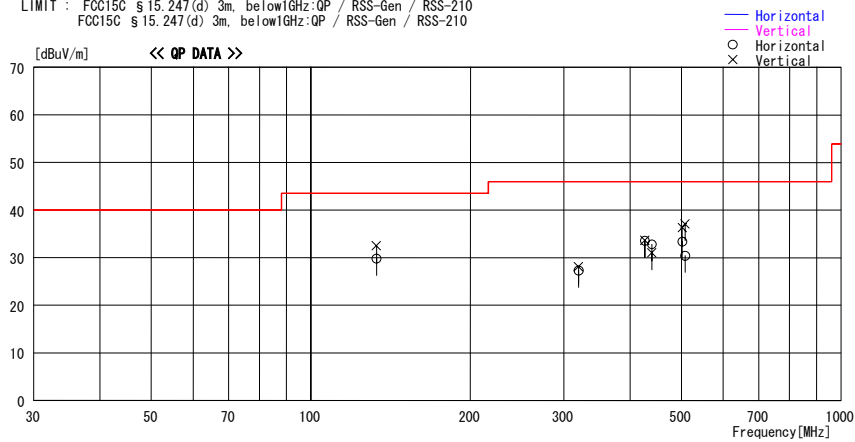
DATA OF RADIATED EMISSION TEST

UL Apex Co.,LTD Head Office EMC Lab. No.4 SEMI Anechoic Chamber
 Date : 2006/11/06 21:08:49

Applicant : CANON INC. Report No. : 27BE0338-HO
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp/C/Humi% : 21deg. C / 66%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2437MHz, 11g, 54Mbps, ANT1, Max axis(Hor:Y Ver:Y)

LIMIT : FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
 FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210



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]						
133.027	38.5	QP	14.5	-23.2	29.8	300	180	Hori.	43.5	13.7
133.027	41.2	QP	14.5	-23.2	32.5	0	100	Vert.	43.5	11.0
319.990	32.1	QP	17.0	-21.8	27.3	41	180	Hori.	46.0	18.7
319.990	32.9	QP	17.0	-21.8	28.1	320	100	Vert.	46.0	17.9
426.658	36.1	QP	18.5	-21.1	33.5	170	100	Hori.	46.0	12.5
426.658	36.2	QP	18.5	-21.1	33.6	155	100	Vert.	46.0	12.4
440.008	35.0	QP	18.8	-21.0	32.8	176	120	Hori.	46.0	13.2
440.008	33.2	QP	18.8	-21.0	31.0	350	100	Vert.	46.0	15.0
502.066	34.1	QP	19.9	-20.6	33.4	0	190	Hori.	46.0	12.6
502.069	37.0	QP	19.9	-20.6	36.3	43	100	Vert.	46.0	9.7
508.180	31.0	QP	20.0	-20.6	30.4	190	206	Hori.	46.0	15.6
508.292	37.7	QP	20.0	-20.6	37.1	55	100	Vert.	46.0	8.9

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz)
(11g/High ch./Antenna1)

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

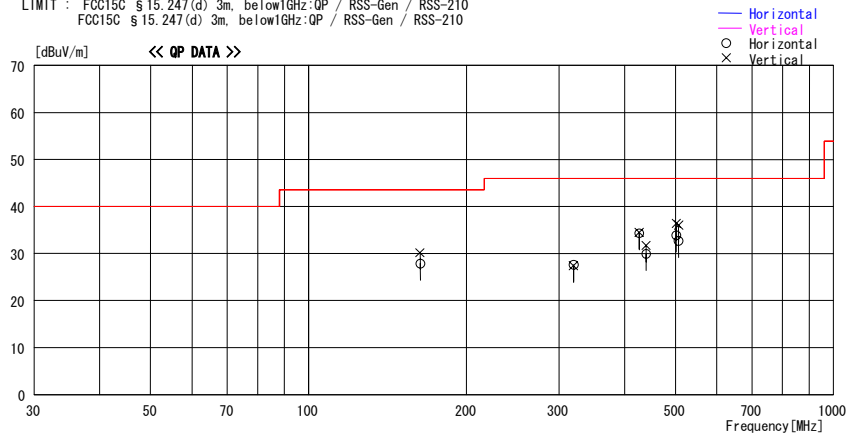
DATA OF RADIATED EMISSION TEST

UL Apex Co., LTD Head Office EMC Lab. No.4 SEMI Anechoic Chamber
 Date : 2006/11/06 21:35:48

Applicant : CANON INC. Report No. : 27BE0338-HO
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp/C/Humi% : 21deg.C / 66%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2462MHz, 11g, 54Mbps, ANT1, Max axis(Hor:Y Ver:Y)

LIMIT : FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
 FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210



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]						
163.120	34.9	QP	15.9	-22.9	27.9	86	210	Hori.	43.5	15.6
163.120	37.2	QP	15.9	-22.9	30.2	44	102	Vert.	43.5	13.3
319.985	32.4	QP	17.0	-21.8	27.6	10	180	Hori.	46.0	18.4
319.990	32.2	QP	17.0	-21.8	27.4	350	100	Vert.	46.0	18.6
426.660	36.9	QP	18.5	-21.1	34.3	211	120	Hori.	46.0	11.7
426.660	37.1	QP	18.5	-21.1	34.5	162	100	Vert.	46.0	11.5
440.000	32.1	QP	18.8	-21.0	29.9	230	260	Hori.	46.0	16.1
440.000	33.9	QP	18.8	-21.0	31.7	31	100	Vert.	46.0	14.3
502.052	34.6	QP	19.9	-20.6	33.9	195	180	Hori.	46.0	12.1
502.221	37.1	QP	19.9	-20.6	36.4	46	100	Vert.	46.0	9.6
507.290	33.4	QP	19.9	-20.6	32.7	189	180	Hori.	46.0	13.3
507.324	36.7	QP	19.9	-20.6	36.0	68	100	Vert.	46.0	10.0

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz)
(11b/Low ch./Antenna2)

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

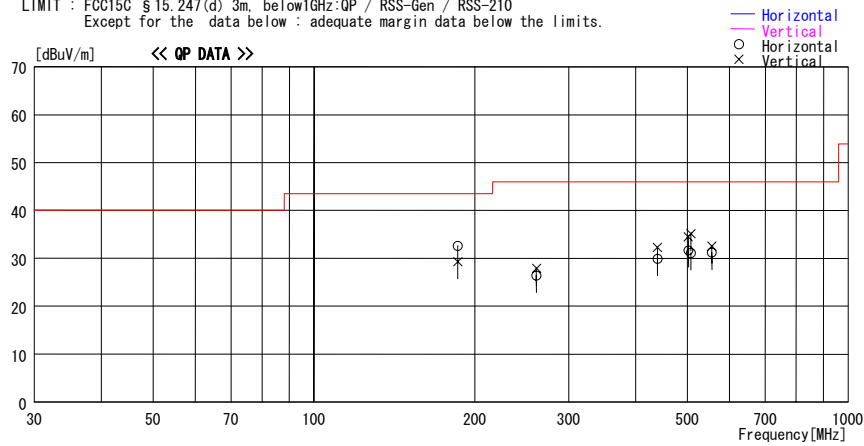
DATA OF RADIATED EMISSION TEST

UL Apex Co.,LTD Head Office EMC Lab. No.4 SEMI Anechoic Chamber
Date : 2006/11/06 23:32:57

Applicant : CANON INC. Report No. : 27BE0338-HO
Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
Model No. : CH91108 Temp°C/Humi% : 21deg. C / 66%
Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2412MHz, 11b, 11Mbps, ANT2, Max axis(Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
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]	Loss& Gain [dB]					[dBuV/m]	[dB]
186.004	38.5	QP	16.8	-22.7	32.6	40	180	Hori.	43.5	10.9
186.004	35.2	QP	16.8	-22.7	29.3	84	100	Vert.	43.5	14.2
260.980	30.1	QP	18.4	-22.1	26.4	210	140	Hori.	46.0	19.6
260.990	31.6	QP	18.4	-22.1	27.9	0	100	Vert.	46.0	18.1
439.990	32.1	QP	18.8	-21.0	29.9	10	105	Hori.	46.0	16.1
439.990	34.5	QP	18.8	-21.0	32.3	315	130	Vert.	46.0	13.7
502.290	32.4	QP	19.9	-20.6	31.7	230	120	Hori.	46.0	14.3
502.290	35.2	QP	19.9	-20.6	34.5	48	100	Vert.	46.0	11.5
507.880	31.7	QP	20.0	-20.6	31.1	196	170	Hori.	46.0	14.9
507.880	35.7	QP	20.0	-20.6	35.1	71	100	Vert.	46.0	10.9
556.160	32.6	QP	20.3	-20.4	32.5	100	100	Vert.	46.0	13.5
556.160	31.3	QP	20.3	-20.4	31.2	144	152	Hori.	46.0	14.8

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz)
(11b/Mid ch./Antenna2)

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

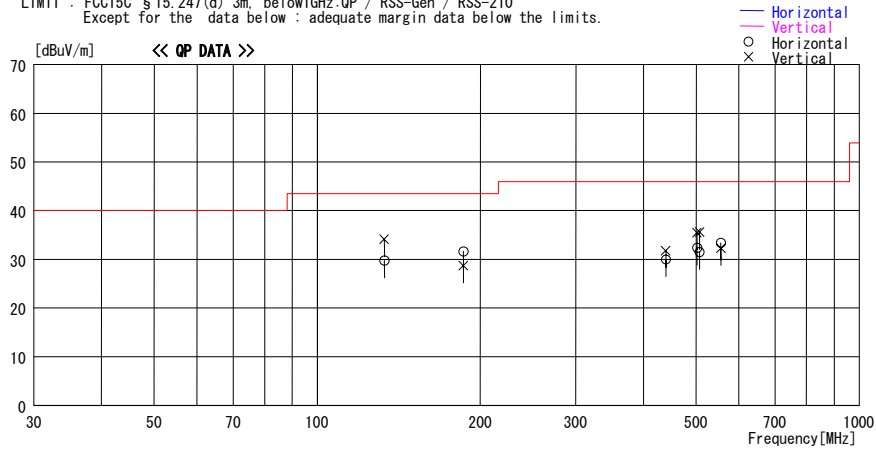
DATA OF RADIATED EMISSION TEST

UL Apex Co.,LTD Head Office EMC Lab. No.4 SEMI Anechoic Chamber
Date : 2006/11/07 00:15:08

Applicant : CANON INC. Report No. : 27BE0338-HO
Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
Model No. : CH91108 Temp°C/Humi% : 21deg.C / 66%
Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2437MHz, 11b, 11Mbps, ANT2, Max axis(Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
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]						
132.992	38.5	QP	14.5	-23.2	29.8	350	161	Hori.	43.5	13.7
132.992	42.8	QP	14.5	-23.2	34.1	30	100	Vert.	43.5	9.4
186.060	37.5	QP	16.8	-22.7	31.6	250	250	Hori.	43.5	11.9
186.060	34.6	QP	16.8	-22.7	28.7	270	100	Vert.	43.5	14.8
439.994	32.2	QP	18.8	-21.0	30.0	22	100	Hori.	46.0	16.0
439.994	34.0	QP	18.8	-21.0	31.8	310	120	Vert.	46.0	14.2
502.304	33.1	QP	19.9	-20.6	32.4	194	110	Hori.	46.0	13.6
502.304	36.2	QP	19.9	-20.6	35.5	66	100	Vert.	46.0	10.5
507.834	32.1	QP	20.0	-20.6	31.5	181	190	Hori.	46.0	14.5
507.860	36.2	QP	20.0	-20.6	35.6	70	100	Vert.	46.0	10.4
556.200	33.5	QP	20.3	-20.4	33.4	160	180	Hori.	46.0	12.6
556.200	32.4	QP	20.3	-20.4	32.3	140	100	Vert.	46.0	13.7

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz)
(11b/High ch./Antenna2)

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

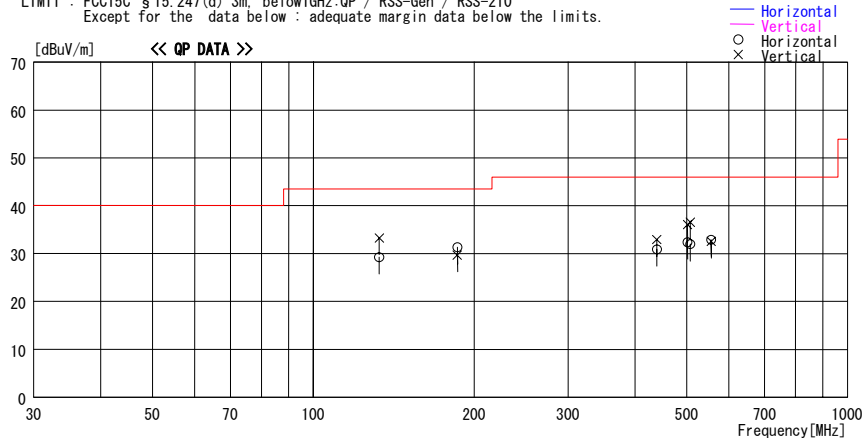
DATA OF RADIATED EMISSION TEST

UL Apex Co., LTD Head Office EMC Lab. No. 4 SEMI Anechoic Chamber
 Date : 2006/11/07 00:42:30

Applicant : CANON INC. Report No. : 27BE0338-HO
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp°C/Humi% : 21deg.C / 66%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2462MHz, 11b, 11Mbps, ANT2, Max axis(Hor:Y Ver:Y)

LIMIT : FCC15C §15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
 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]						
132.864	38.0	QP	14.5	-23.2	29.3	10	160	Hori.	43.5	14.2
132.869	42.0	QP	14.5	-23.2	33.3	50	100	Vert.	43.5	10.2
186.068	37.2	QP	16.8	-22.7	31.3	120	220	Hori.	43.5	12.2
186.068	35.6	QP	16.8	-22.7	29.7	100	100	Vert.	43.5	13.8
439.998	33.1	QP	18.8	-21.0	30.9	20	120	Hori.	46.0	15.1
439.998	35.1	QP	18.8	-21.0	32.9	310	120	Vert.	46.0	13.1
502.035	33.1	QP	19.9	-20.6	32.4	194	110	Hori.	46.0	13.6
502.098	36.7	QP	19.9	-20.6	36.0	63	100	Vert.	46.0	10.0
507.845	32.6	QP	20.0	-20.6	32.0	194	100	Hori.	46.0	14.0
507.820	37.1	QP	20.0	-20.6	36.5	63	100	Vert.	46.0	9.5
556.215	33.0	QP	20.3	-20.4	32.9	194	193	Hori.	46.0	13.1
556.215	32.7	QP	20.3	-20.4	32.6	63	100	Vert.	46.0	13.4

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz)
(11g/Low ch./Antenna2)

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

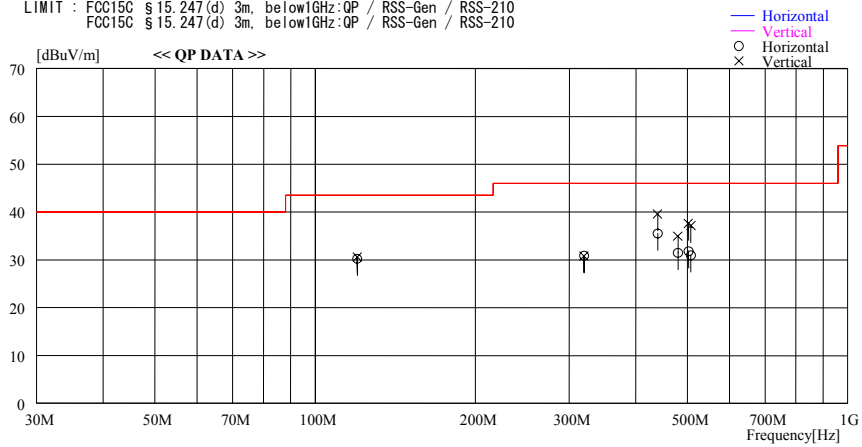
DATA OF RADIATED EMISSION TEST

UL Apex Co., LTD Head Office EMC Lab. No.4 SEMI Anechoic Chamber
 Date : 2006/11/07 09:21:51

Applicant : CANON INC. Report No. : 27BE0338-HO
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp°C/Humi% : 22deg. C / 62%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2412MHz, 11g, 54Mbps, ANT2, Max axis(Hor:Y Ver:Y)

LIMIT : FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
 FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss&Gain [dB]				
120.004	40.4	QP	13.4	-23.5	30.3	Hori.	43.5	13.2
120.004	40.7	QP	13.4	-23.5	30.6	Vert.	43.5	12.9
320.005	35.7	QP	17.0	-21.8	30.9	Hori.	46.0	15.1
320.005	35.6	QP	17.0	-21.8	30.8	Vert.	46.0	15.2
440.004	37.7	QP	18.8	-21.0	35.5	Hori.	46.0	10.5
440.004	41.8	QP	18.8	-21.0	39.6	Vert.	46.0	6.4
480.003	32.7	QP	19.6	-20.8	31.5	Hori.	46.0	14.5
480.003	36.2	QP	19.6	-20.8	35.0	Vert.	46.0	11.0
502.459	32.5	QP	19.9	-20.6	31.8	Hori.	46.0	14.2
502.459	38.3	QP	19.9	-20.6	37.6	Vert.	46.0	8.4
507.832	31.6	QP	20.0	-20.6	31.0	Hori.	46.0	15.0
507.832	37.8	QP	20.0	-20.6	37.2	Vert.	46.0	8.8

CHART: WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz) (11g/Mid ch./Antenna2)

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

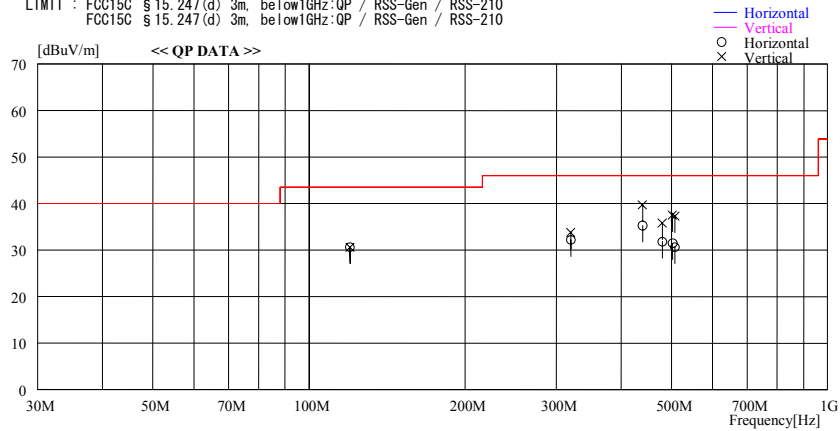
DATA OF RADIATED EMISSION TEST

UL Apex Co., LTD Head Office EMC Lab. No. 4 SEMI Anechoic Chamber
 Date : 2006/11/07 11:14:28

Applicant : CANON INC. Report No. : 27BE0338-HO
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp°C/Humi% : 22deg.C / 62%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2437MHz, 11g, 54Mbps, ANT2, Max axis(Hor:Y Ver:Y)

LIMIT : FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
 FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]				
120.007	40.7	QP	13.4	-23.5	30.6	Hori.	43.5	12.9
120.007	40.7	QP	13.4	-23.5	30.6	Vert.	43.5	12.9
320.004	37.0	QP	17.0	-21.8	32.2	Hori.	46.0	13.8
320.004	38.6	QP	17.0	-21.8	33.8	Vert.	46.0	12.2
440.003	37.5	QP	18.8	-21.0	35.3	Hori.	46.0	10.7
440.003	41.9	QP	18.8	-21.0	39.7	Vert.	46.0	6.3
480.003	33.0	QP	19.6	-20.8	31.8	Hori.	46.0	14.2
480.003	37.0	QP	19.6	-20.8	35.8	Vert.	46.0	10.2
502.492	32.2	QP	19.9	-20.6	31.5	Hori.	46.0	14.5
502.492	38.2	QP	19.9	-20.6	37.5	Vert.	46.0	8.5
507.814	31.2	QP	20.0	-20.6	30.6	Hori.	46.0	15.4
507.814	37.9	QP	20.0	-20.6	37.3	Vert.	46.0	8.7

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

Radiated Spurious Emission (below 1GHz)
(11g/High ch./Antenna2)

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

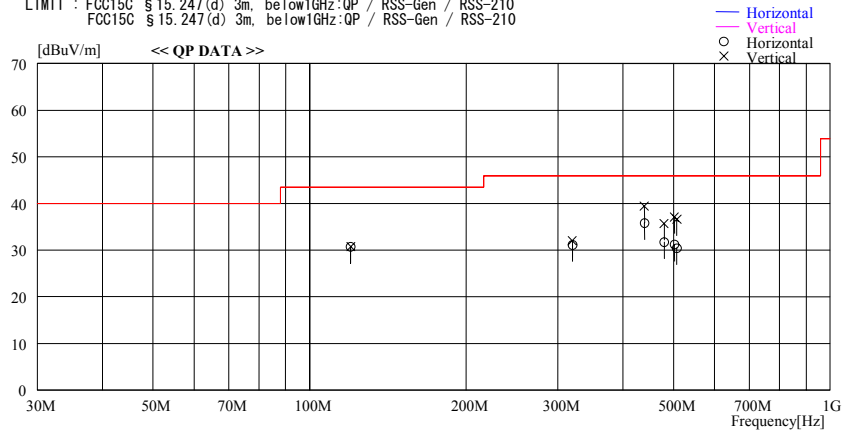
DATA OF RADIATED EMISSION TEST

UL Apex Co., LTD Head Office EMC Lab. No.4 SEMI Anechoic Chamber
 Date : 2006/11/07 12:03:09

Applicant : CANON INC. Report No. : 27BE0338-HO
 Kind of EUT : WLAN MODULE UNIT Power : DC3.3V
 Model No. : CH91108 Temp°C/Humi% : 22deg. C / 62%
 Serial No. : 55 Operator : Motoya Imura

Mode / Remarks : Transmitting 2462MHz, 11g, 54Mbps, ANT2, Max axis (Hor:Y Ver:Y)

LIMIT : FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210
 FCC15C § 15.247(d) 3m, below1GHz:QP / RSS-Gen / RSS-210



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit	Margin
			Factor [dB/m]	Gain [dB]			[dBuV/m]	[dB]
120.006	40.8	QP	13.4	-23.5	30.7	Hori.	43.5	12.8
120.006	40.8	QP	13.4	-23.5	30.7	Vert.	43.5	12.8
320.003	35.9	QP	17.0	-21.8	31.1	Hori.	46.0	14.9
320.003	36.8	QP	17.0	-21.8	32.0	Vert.	46.0	14.0
440.005	38.0	QP	18.8	-21.0	35.8	Hori.	46.0	10.2
440.005	41.6	QP	18.8	-21.0	39.4	Vert.	46.0	6.6
480.002	32.9	QP	19.6	-20.8	31.7	Hori.	46.0	14.3
480.002	36.9	QP	19.6	-20.8	35.7	Vert.	46.0	10.3
502.475	31.9	QP	19.9	-20.6	31.2	Hori.	46.0	14.8
502.475	37.8	QP	19.9	-20.6	37.1	Vert.	46.0	8.9
507.818	37.2	QP	20.0	-20.6	36.6	Vert.	46.0	9.4
507.818	31.0	QP	20.0	-20.6	30.4	Hori.	46.0	15.6

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN

**Radiated Spurious Emission (above 1GHz)
(11b/Low ch./Antenna1)**

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

Company : CANON INC. REPORT NO : 27BE0338-HO
Equipment : WLAN MODULE UNIT REGULATION : FCC 15.247(d)/RSS-210A8.5
Model : CH91108 TEST DISTANCE : 3/1m
Sample No. : 55 DATE : 10/26/2006
Power : DC3.3V TEMPERATURE : 22deg.C
Mode : WLAN 11b 11Mbps 2412MHz, ANT1 HUMIDITY : 54%
Remarks : Hor Y , Ver Y-axis ENGINEER : Takumi Shimada
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	2390.0	51.4	51.2	26.6	32.7	2.1	0.0	47.4	47.2	74.0	26.6	26.8
2	2400.0	60.3	59.7	26.6	32.7	2.1	0.0	56.3	55.7	74.0	17.7	18.3
3	4824.0	64.7	60.5	30.9	31.5	3.2	1.4	68.7	64.5	74.0	5.3	9.5
4	7236.0	42.5	43.7	35.3	32.4	3.9	1.2	50.5	51.7	74.0	23.5	22.3
5	9648.0	48.0	46.2	37.6	33.0	4.8	1.0	58.4	56.6	74.0	15.6	17.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12060.0	-	-	-	-	-	-	-	-	74.0	-	-
7	14472.0	-	-	-	-	-	-	-	-	74.0	-	-
8	16884.0	-	-	-	-	-	-	-	-	74.0	-	-
9	19296.0	-	-	-	-	-	-	-	-	74.0	-	-
10	21708.0	-	-	-	-	-	-	-	-	74.0	-	-
11	24120.0	44.6	44.8	38.7	31.8	8.0	0.0	50.0	50.2	74.0	24.0	23.8

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	2390.0	39.5	38.6	26.6	32.7	2.1	0.0	35.5	34.6	54.0	18.5	19.4
2	2400.0	51.3	51.0	26.6	32.7	2.1	0.0	47.3	47.0	54.0	6.7	7.0
3	4824.0	48.6	45.7	30.9	31.5	3.2	1.4	52.6	49.7	54.0	1.4	4.3
4	7236.0	31.8	30.5	35.3	32.4	3.9	1.2	39.8	38.5	54.0	14.2	15.5
5	9648.0	39.9	34.8	37.6	33.0	4.8	1.0	50.3	45.2	54.0	3.7	8.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12060.0	-	-	-	-	-	-	-	-	54.0	-	-
7	14472.0	-	-	-	-	-	-	-	-	54.0	-	-
8	16884.0	-	-	-	-	-	-	-	-	54.0	-	-
9	19296.0	-	-	-	-	-	-	-	-	54.0	-	-
10	21708.0	-	-	-	-	-	-	-	-	54.0	-	-
11	24120.0	33.1	33.1	38.7	31.8	8.0	0.0	38.5	38.5	54.0	15.5	15.5

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

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

*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)
(11b/Mid ch./Antenna1)

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

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 55	DATE	: 10/26/2006
Power	: DC3.3V	TEMPERATURE	: 22deg.C
Mode	: WLAN 11b 11Mbps 2437MHz, ANT1	HUMIDITY	: 54%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Takumi Shimada

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	4874.0	63.7	62.4	31.0	31.5	3.2	1.4	67.8	66.5	74.0	6.2	7.5
2	7311.0	42.4	42.4	35.4	32.5	3.9	1.1	50.3	50.3	74.0	23.7	23.7
3	9748.0	46.2	44.3	37.6	33.1	4.8	1.1	56.6	54.7	74.0	17.4	19.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	-	-	-	-	-	-	-	-	74.0	-	-
5	14622.0	-	-	-	-	-	-	-	-	74.0	-	-
6	17059.0	-	-	-	-	-	-	-	-	74.0	-	-
7	19496.0	-	-	-	-	-	-	-	-	74.0	-	-
8	21933.0	-	-	-	-	-	-	-	-	74.0	-	-
9	24370.0	46.3	45.4	38.4	31.7	8.0	0.0	51.5	50.6	74.0	22.5	23.4

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	4874.0	49.1	47.5	31.0	31.5	3.2	1.4	53.2	51.6	54.0	0.8	2.4
2	7311.0	30.9	31.0	35.4	32.5	3.9	1.1	38.8	38.9	54.0	15.2	15.1
3	9748.0	36.3	34.4	37.6	33.1	4.8	1.1	46.7	44.8	54.0	7.3	9.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	-	-	-	-	-	-	-	-	54.0	-	-
5	14622.0	-	-	-	-	-	-	-	-	54.0	-	-
6	17059.0	-	-	-	-	-	-	-	-	54.0	-	-
7	19496.0	-	-	-	-	-	-	-	-	54.0	-	-
8	21933.0	-	-	-	-	-	-	-	-	54.0	-	-
9	24370.0	33.2	33.2	38.4	31.7	8.0	0.0	38.4	38.4	54.0	15.6	15.6

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)
(11b/High ch./Antenna1)

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

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 55	DATE	: 10/26/2006
Power	: DC3.3V	TEMPERATURE	: 22deg.C
Mode	: WLAN 11b 11Mbps 2462MHz, ANT1	HUMIDITY	: 54%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Takumi Shimada

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	2483.5	50.5	51.8	26.8	32.6	2.2	0.0	46.9	48.2	74.0	27.1	25.8
2	4924.0	62.8	64.1	31.1	31.5	3.2	1.4	67.0	68.3	74.0	7.0	5.7
3	7386.0	44.8	42.4	35.6	32.5	3.9	1.1	52.9	50.5	74.0	21.1	23.5
4	9848.0	48.2	48.0	37.6	33.1	4.9	1.2	58.8	58.6	74.0	15.2	15.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12310.0	-	-	-	-	-	-	-	-	74.0	-	-
5	14772.0	-	-	-	-	-	-	-	-	74.0	-	-
6	17234.0	-	-	-	-	-	-	-	-	74.0	-	-
7	19696.0	-	-	-	-	-	-	-	-	74.0	-	-
8	22158.0	-	-	-	-	-	-	-	-	74.0	-	-
9	24620.0	46.1	45.3	38.3	31.5	8.0	0.0	51.4	50.6	74.0	22.6	23.4

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	2483.5	38.7	40.0	26.8	32.6	2.2	0.0	35.1	36.4	54.0	18.9	17.6
2	4924.0	48.2	49.4	31.1	31.5	3.2	1.4	52.4	53.6	54.0	1.6	0.4
3	7386.0	32.2	30.8	35.6	32.5	3.9	1.1	40.3	38.9	54.0	13.7	15.1
4	9848.0	40.9	39.5	37.6	33.1	4.9	1.2	51.5	50.1	54.0	2.5	3.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12310.0	-	-	-	-	-	-	-	-	54.0	-	-
5	14772.0	-	-	-	-	-	-	-	-	54.0	-	-
6	17234.0	-	-	-	-	-	-	-	-	54.0	-	-
7	19696.0	-	-	-	-	-	-	-	-	54.0	-	-
8	22158.0	-	-	-	-	-	-	-	-	54.0	-	-
9	24620.0	33.4	33.4	38.3	31.5	8.0	0.0	38.7	38.7	54.0	15.3	15.3

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

- *Except for the above table : All other spurious emissions were less than 20dB for the limit.
- *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)
(11g/Low ch./Antenna1)**

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

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 55	DATE	: 10/26/2006
Power	: DC3.3V	TEMPERATURE	: 22deg.C
Mode	: WLAN 11g 54Mbps 2412MHz, ANT1	HUMIDITY	: 54%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Takumi Shimada

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	2390.0	64.3	64.1	26.6	32.7	2.1	0.0	60.3	60.1	74.0	13.7	13.9
2	4824.0	62.8	59.9	30.9	31.5	3.2	1.4	66.8	63.9	74.0	7.2	10.1
3	7236.0	45.9	44.3	35.3	32.4	3.9	1.2	53.9	52.3	74.0	20.1	21.7
4	9648.0	47.0	47.8	37.6	33.0	4.8	1.0	57.4	58.2	74.0	16.6	15.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.0	-	-	-	-	-	-	-	-	74.0	-	-
6	14472.0	-	-	-	-	-	-	-	-	74.0	-	-
7	16884.0	-	-	-	-	-	-	-	-	74.0	-	-
8	19296.0	-	-	-	-	-	-	-	-	74.0	-	-
9	21708.0	-	-	-	-	-	-	-	-	74.0	-	-
10	24120.0	45.7	44.8	38.7	31.8	8.0	0.0	51.1	50.2	74.0	22.9	23.8

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	2390.0	44.4	44.7	26.6	32.7	2.1	0.0	40.4	40.7	54.0	13.6	13.3
2	4824.0	49.6	47.7	30.9	31.5	3.2	1.4	53.6	51.7	54.0	0.4	2.3
3	7236.0	33.0	31.3	35.3	32.4	3.9	1.2	41.0	39.3	54.0	13.0	14.7
4	9648.0	33.9	34.5	37.6	33.0	4.8	1.0	44.3	44.9	54.0	9.7	9.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.0	-	-	-	-	-	-	-	-	54.0	-	-
6	14472.0	-	-	-	-	-	-	-	-	54.0	-	-
7	16884.0	-	-	-	-	-	-	-	-	54.0	-	-
8	19296.0	-	-	-	-	-	-	-	-	54.0	-	-
9	21708.0	-	-	-	-	-	-	-	-	54.0	-	-
10	24120.0	33.0	33.0	38.7	31.8	8.0	0.0	38.4	38.4	54.0	15.6	15.6

20dBc(Fundamental 2412MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2412.0	91.6	92.7	26.7	32.7	2.1	0.0	87.7	88.8	-	-	-
2	2400.0	61.1	62.8	26.6	32.7	2.1	0.0	57.1	58.8	Funda-20dB	10.6	10.0

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)
(11g/Mid ch./Antenna1)

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

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 55	DATE	: 10/26/2006
Power	: DC3.3V	TEMPERATURE	: 22deg.C
Mode	: WLAN 11g 54Mbps 2437MHz, ANT1	HUMIDITY	: 54%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Takumi Shimada

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	4874.0	60.2	59.5	31.0	31.5	3.2	1.4	64.3	63.6	74.0	9.7	10.4
2	7311.0	43.7	44.7	35.4	32.5	3.9	1.1	51.6	52.6	74.0	22.4	21.4
3	9748.0	46.0	51.3	37.6	33.1	4.8	1.1	56.4	61.7	74.0	17.6	12.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	-	-	-	-	-	-	-	-	74.0	-	-
5	14622.0	-	-	-	-	-	-	-	-	74.0	-	-
6	17059.0	-	-	-	-	-	-	-	-	74.0	-	-
7	19496.0	-	-	-	-	-	-	-	-	74.0	-	-
8	21933.0	-	-	-	-	-	-	-	-	74.0	-	-
9	24370.0	44.8	45.4	38.4	31.7	8.0	0.0	50.0	50.6	74.0	24.0	23.4

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	4874.0	49.2	48.6	31.0	31.5	3.2	1.4	53.3	52.7	54.0	0.7	1.3
2	7311.0	31.4	32.0	35.4	32.5	3.9	1.1	39.3	39.9	54.0	14.7	14.1
3	9748.0	33.1	39.0	37.6	33.1	4.8	1.1	43.5	49.4	54.0	10.5	4.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	-	-	-	-	-	-	-	-	54.0	-	-
5	14622.0	-	-	-	-	-	-	-	-	54.0	-	-
6	17059.0	-	-	-	-	-	-	-	-	54.0	-	-
7	19496.0	-	-	-	-	-	-	-	-	54.0	-	-
8	21933.0	-	-	-	-	-	-	-	-	54.0	-	-
9	24370.0	33.2	33.1	38.4	31.7	8.0	0.0	38.4	38.3	54.0	15.6	15.7

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)
(11g/High ch./Antenna1)

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

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 55	DATE	: 10/26/2006
Power	: DC3.3V	TEMPERATURE	: 22deg.C
Mode	: WLAN 11g 54Mbps 2462MHz, ANT1	HUMIDITY	: 54%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Takumi Shimada

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	2483.5	60.8	63.3	26.8	32.6	2.2	0.0	57.2	59.7	74.0	16.8	14.3
2	4924.0	58.3	57.3	31.1	31.5	3.2	1.4	62.5	61.5	74.0	11.5	12.5
3	7386.0	45.5	45.4	35.6	32.5	3.9	1.1	53.6	53.5	74.0	20.4	20.5
4	9848.0	46.9	45.7	37.6	33.1	4.9	1.2	57.5	56.3	74.0	16.5	17.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.0	-	-	-	-	-	-	-	-	74.0	-	-
6	14772.0	-	-	-	-	-	-	-	-	74.0	-	-
7	17234.0	-	-	-	-	-	-	-	-	74.0	-	-
8	19696.0	-	-	-	-	-	-	-	-	74.0	-	-
9	22158.0	-	-	-	-	-	-	-	-	74.0	-	-
10	24620.0	45.4	46.1	38.3	31.5	8.0	0.0	50.7	51.4	74.0	23.3	22.6

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
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2483.5	45.1	46.8	26.8	32.6	2.2	0.0	41.5	43.2	54.0	12.5	10.8
2	4924.0	47.4	46.0	31.1	31.5	3.2	1.4	51.6	50.2	54.0	2.4	3.8
3	7386.0	33.0	33.6	35.6	32.5	3.9	1.1	41.1	41.7	54.0	12.9	12.3
4	9848.0	37.3	33.9	37.6	33.1	4.9	1.2	47.9	44.5	54.0	6.1	9.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.0	-	-	-	-	-	-	-	-	54.0	-	-
6	14772.0	-	-	-	-	-	-	-	-	54.0	-	-
7	17234.0	-	-	-	-	-	-	-	-	54.0	-	-
8	19696.0	-	-	-	-	-	-	-	-	54.0	-	-
9	22158.0	-	-	-	-	-	-	-	-	54.0	-	-
10	24620.0	33.7	33.6	38.3	31.5	8.0	0.0	39.0	38.9	54.0	15.0	15.1

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)
(Rx 11b/g, Mid ch./Antenna1)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 55	DATE	: 10/05/2006
Power	: DC3.3V	TEMPERATURE	: 25deg.C
Mode	: WLAN Receiving 2437MHz, ANTI	HUMIDITY	: 68%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Takumi Shimada

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]											
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	1064.0	58.7	53.0	25.8	35.2	1.5	0.0	50.8	45.1	74.0	23.2	28.9	
2	1352.7	54.8	55.2	26.0	34.4	1.7	0.0	48.1	48.5	74.0	25.9	25.5	
3	2437.0	43.0	43.5	29.1	32.7	2.2	0.0	41.6	42.1	74.0	32.4	31.9	

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]											
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	1064.0	53.3	45.2	25.8	35.2	1.5	0.0	45.4	37.3	54.0	8.6	16.7	
2	1352.7	33.2	31.1	26.0	34.4	1.7	0.0	26.5	24.4	54.0	27.5	29.6	
3	2437.0	30.0	30.0	29.1	32.7	2.2	0.0	28.6	28.6	54.0	25.4	25.4	

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

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

*The 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)
(11b/Low ch./Antenna2)**

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company : CANON INC. REPORT NO : 27BE0338-HO
Equipment : WLAN MODULE UNIT REGULATION : FCC 15.247(d)/RSS-210A8.5
Model : CH91108 TEST DISTANCE : 3/1m
Sample No. : 58 DATE : 10/15/2006
Power : DC3.3V TEMPERATURE : 22deg.C
Mode : WLAN 11b 11Mbps 2412MHz, ANT2 HUMIDITY : 58%
Remarks : Hor Y , Ver Y-axis ENGINEER : Hiroka Umeyama
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	2390.0	55.1	52.5	29.1	32.8	2.2	0.0	53.6	51.0	74.0	20.4	23.0
2	4824.0	45.5	53.5	33.4	31.6	3.5	1.4	52.2	60.2	74.0	21.8	13.8
3	7236.0	50.0	51.9	37.3	32.1	4.3	1.2	60.7	62.6	74.0	13.3	11.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12060.0	51.6	50.3	40.6	33.0	5.8	1.7	57.2	55.9	74.0	16.8	18.1
5	14472.0	-	-	-	-	-	-	-	-	74.0	-	-
6	16884.0	-	-	-	-	-	-	-	-	74.0	-	-
7	19296.0	-	-	-	-	-	-	-	-	74.0	-	-
8	21708.0	-	-	-	-	-	-	-	-	74.0	-	-
9	24120.0	45.8	43.4	39.8	31.4	8.1	0.0	52.8	50.4	74.0	21.2	23.6

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
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2390.0	44.0	42.0	29.1	32.8	2.2	0.0	42.5	40.5	54.0	11.5	13.5
2	4824.0	41.5	33.8	33.4	31.6	3.5	1.4	48.2	40.5	54.0	5.8	13.5
3	7236.0	38.6	39.1	37.3	32.1	4.3	1.2	49.3	49.8	54.0	4.7	4.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12060.0	40.5	41.8	40.6	33.0	5.8	1.7	46.1	47.4	54.0	7.9	6.6
5	14472.0	-	-	-	-	-	-	-	-	54.0	-	-
6	16884.0	-	-	-	-	-	-	-	-	54.0	-	-
7	19296.0	-	-	-	-	-	-	-	-	54.0	-	-
8	21708.0	-	-	-	-	-	-	-	-	54.0	-	-
9	24120.0	34.7	34.8	39.8	31.4	8.1	0.0	41.7	41.8	54.0	12.3	12.2

20dBc(Fundamental 2412MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2412.0	102.9	100.3	29.1	32.8	2.2	0.0	101.4	98.8	-	-	-
2	2400.0	61.2	57.5	29.1	32.8	2.2	0.0	59.7	56.0	Funda-20dB	21.7	22.8
3	9648.0	50.3	54.6	39.5	33.1	5.0	1.0	62.7	67.0	Funda-20dB	18.7	11.8

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)
(11b/Mid ch./Antenna2)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 58	DATE	: 10/15/2006
Power	: DC3.3V	TEMPERATURE	: 22deg.C
Mode	: WLAN 11b 11Mbps 2437MHz, ANT2	HUMIDITY	: 58%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Hiroka Umeyama

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	4874.0	40.9	46.4	33.5	31.6	3.5	1.4	47.7	53.2	74.0	26.3	20.8
2	7311.0	48.7	48.5	37.4	32.2	4.3	1.1	59.3	59.1	74.0	14.7	14.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
3	12185.0	47.0	48.1	40.6	32.9	5.8	1.7	52.7	53.8	74.0	21.3	20.2
4	14622.0	-	-	-	-	-	-	-	-	74.0	-	-
5	17059.0	-	-	-	-	-	-	-	-	74.0	-	-
6	19496.0	-	-	-	-	-	-	-	-	74.0	-	-
7	21933.0	-	-	-	-	-	-	-	-	74.0	-	-
8	24370.0	45.5	46.8	39.8	31.1	8.2	0.0	52.9	54.2	74.0	21.1	19.8

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	4874.0	32.1	38.7	33.5	31.6	3.5	1.4	38.9	45.5	54.0	15.1	8.5
2	7311.0	41.1	41.7	37.4	32.2	4.3	1.1	51.7	52.3	54.0	2.3	1.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
3	12185.0	36.5	38.3	40.6	32.9	5.8	1.7	42.2	44.0	54.0	11.8	10.0
4	14622.0	-	-	-	-	-	-	-	-	54.0	-	-
5	17059.0	-	-	-	-	-	-	-	-	54.0	-	-
6	19496.0	-	-	-	-	-	-	-	-	54.0	-	-
7	21933.0	-	-	-	-	-	-	-	-	54.0	-	-
8	24370.0	34.2	34.2	39.8	31.1	8.2	0.0	41.6	41.6	54.0	12.4	12.4

20dBc(Fundamental 2412MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2412.0	102.9	100.3	29.1	32.8	2.2	0.0	101.4	98.8	-	-	-
2	9748.0	45.6	47.5	39.6	33.1	5.0	1.1	58.2	60.1	Funda-20dB	23.2	18.7

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)
(11b/High ch./Antenna2)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 58	DATE	: 10/15/2006
Power	: DC3.3V	TEMPERATURE	: 22deg.C
Mode	: WLAN 11b 11Mbps 2462MHz, ANT2	HUMIDITY	: 58%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Hiroka Umeyama

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	2483.5	55.7	55.6	29.2	32.7	2.3	0.0	54.5	54.4	74.0	19.5	19.6
2	4924.0	42.6	46.4	33.6	31.6	3.5	1.4	49.5	53.3	74.0	24.5	20.7
3	7386.0	49.3	50.9	37.5	32.2	4.3	1.1	60.0	61.6	74.0	14.0	12.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12310.0	44.5	44.1	40.6	32.8	5.9	1.6	50.3	49.9	74.0	23.7	24.1
5	14772.0	-	-	-	-	-	-	-	-	74.0	-	-
6	17234.0	-	-	-	-	-	-	-	-	74.0	-	-
7	19696.0	-	-	-	-	-	-	-	-	74.0	-	-
8	22158.0	-	-	-	-	-	-	-	-	74.0	-	-
9	24620.0	46.8	46.5	39.9	30.8	8.2	0.0	54.6	54.3	74.0	19.4	19.7

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	2483.5	45.5	44.3	29.2	32.7	2.3	0.0	44.3	43.1	54.0	9.7	10.9
2	4924.0	29.9	32.9	33.6	31.6	3.5	1.4	36.8	39.8	54.0	17.2	14.2
3	7386.0	41.2	39.2	37.5	32.2	4.3	1.1	51.9	49.9	54.0	2.1	4.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12310.0	32.5	33.4	40.6	32.8	5.9	1.6	38.3	39.2	54.0	15.7	14.8
5	14772.0	-	-	-	-	-	-	-	-	54.0	-	-
6	17234.0	-	-	-	-	-	-	-	-	54.0	-	-
7	19696.0	-	-	-	-	-	-	-	-	54.0	-	-
8	22158.0	-	-	-	-	-	-	-	-	54.0	-	-
9	24620.0	34.9	34.8	39.9	30.8	8.2	0.0	42.7	42.6	54.0	11.3	11.4

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
20dBc(Fundamental 2412MHz) (RBW: 100kHz, VBW: 300kHz)												
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2412.0	102.9	100.3	29.1	32.8	2.2	0.0	101.4	98.8	-	-	-
2	9848.0	42.5	44.4	39.7	33.2	5.0	1.2	55.2	57.1	Funda-20dB	26.2	21.7

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)
(11g/Low ch./Antenna2)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company : CANON INC. REPORT NO : 27BE0338-HO
Equipment : WLAN MODULE UNIT REGULATION : FCC 15.247(d)/RSS-210A8.5
Model : CH91108 TEST DISTANCE : 3/1m
Sample No. : 58 DATE : 10/15/2006
Power : DC3.3V TEMPERATURE : 22deg.C
Mode : WLAN 11g 54Mbps 2412MHz, ANT2 HUMIDITY : 58%
Remarks : Hor Y , Ver Y-axis ENGINEER : Hiroka Umeyama
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	2390.0	65.4	65.1	29.1	32.8	2.2	0.0	63.9	63.6	74.0	10.1	10.4
2	4824.0	48.6	50.8	33.4	31.6	3.5	1.4	55.3	57.5	74.0	18.7	16.5
3	7236.0	55.4	57.7	37.3	32.1	4.3	1.2	66.1	68.4	74.0	7.9	5.6
4	9648.0	52.4	52.4	39.5	33.1	5.0	1.0	64.8	64.8	74.0	9.2	9.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.0	51.2	52.2	40.6	33.0	5.8	1.7	56.8	57.8	74.0	17.2	16.2
6	14472.0	-	-	-	-	-	-	-	-	74.0	-	-
7	16884.0	-	-	-	-	-	-	-	-	74.0	-	-
8	19296.0	-	-	-	-	-	-	-	-	74.0	-	-
9	21708.0	-	-	-	-	-	-	-	-	74.0	-	-
10	24120.0	47.9	45.4	39.8	31.4	8.1	0.0	54.9	52.4	74.0	19.1	21.6

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	2390.0	50.5	50.2	29.1	32.8	2.2	0.0	49.0	48.7	54.0	5.0	5.3
2	4824.0	35.5	40.9	33.4	31.6	3.5	1.4	42.2	47.6	54.0	11.8	6.4
3	7236.0	40.5	40.0	37.3	32.1	4.3	1.2	51.2	50.7	54.0	2.8	3.3
4	9648.0	37.2	36.2	39.5	33.1	5.0	1.0	49.6	48.6	54.0	4.4	5.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12060.0	36.3	39.2	40.6	33.0	5.8	1.7	41.9	44.8	54.0	12.1	9.2
6	14472.0	-	-	-	-	-	-	-	-	54.0	-	-
7	16884.0	-	-	-	-	-	-	-	-	54.0	-	-
8	19296.0	-	-	-	-	-	-	-	-	54.0	-	-
9	21708.0	-	-	-	-	-	-	-	-	54.0	-	-
10	24120.0	35.0	34.9	39.8	31.4	8.1	0.0	42.0	41.9	54.0	12.0	12.1

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
20dBc(Fundamental 2412MHz) (RBW: 100kHz, VBW: 300kHz)												
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2412.0	97.7	99.9	29.1	32.8	2.2	0.0	96.2	98.4	-	-	-
2	2400.0	65.0	66.7	29.1	32.8	2.2	0.0	63.5	65.2	Funda-20dB	12.7	13.2

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*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)
(11g/Mid ch./Antenna2)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 58	DATE	: 10/15/2006
Power	: DC3.3V	TEMPERATURE	: 22deg.C
Mode	: WLAN 11g 54Mbps 2437MHz, ANT2	HUMIDITY	: 58%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Hiroka Umeyama

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	4874.0	44.6	48.7	33.5	31.6	3.5	1.4	51.4	55.5	74.0	22.6	18.5
2	7311.0	54.3	57.4	37.4	32.2	4.3	1.1	64.9	68.0	74.0	9.1	6.0
3	9748.0	55.5	51.5	39.6	33.1	5.0	1.1	68.1	64.1	74.0	5.9	9.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	46.9	49.3	40.6	32.9	5.8	1.7	52.6	55.0	74.0	21.4	19.0
5	14622.0	-	-	-	-	-	-	-	-	74.0	-	-
6	17059.0	-	-	-	-	-	-	-	-	74.0	-	-
7	19496.0	-	-	-	-	-	-	-	-	74.0	-	-
8	21933.0	-	-	-	-	-	-	-	-	74.0	-	-
9	24370.0	46.9	47.0	39.8	31.1	8.2	0.0	54.3	54.4	74.0	19.7	19.6

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
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	4874.0	31.7	35.9	33.5	31.6	3.5	1.4	38.5	42.7	54.0	15.5	11.3
2	7311.0	39.5	43.1	37.4	32.2	4.3	1.1	50.1	53.7	54.0	3.9	0.3
3	9748.0	39.4	38.9	39.6	33.1	5.0	1.1	52.0	51.5	54.0	2.0	2.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	12185.0	35.8	36.4	40.6	32.9	5.8	1.7	41.5	42.1	54.0	12.5	11.9
5	14622.0	-	-	-	-	-	-	-	-	54.0	-	-
6	17059.0	-	-	-	-	-	-	-	-	54.0	-	-
7	19496.0	-	-	-	-	-	-	-	-	54.0	-	-
8	21933.0	-	-	-	-	-	-	-	-	54.0	-	-
9	24370.0	34.2	34.2	39.8	31.1	8.2	0.0	41.6	41.6	54.0	12.4	12.4

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

- *Except for the above table : All other spurious emissions were less than 20dB for the limit.
- *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)
(11g/High ch./Antenna2)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 58	DATE	: 10/15/2006
Power	: DC3.3V	TEMPERATURE	: 22deg.C
Mode	: WLAN 11g 54Mbps 2462MHz, ANT2	HUMIDITY	: 58%
Remarks	: Hor Y , Ver Y-axis	ENGINEER	: Hiroka Umeyama

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	2483.5	70.4	73.6	29.2	32.7	2.3	0.0	69.2	72.4	74.0	4.8	1.6
2	4924.0	46.1	48.6	33.6	31.6	3.5	1.4	53.0	55.5	74.0	21.0	18.5
3	7386.0	52.0	57.5	37.5	32.2	4.3	1.1	62.7	68.2	74.0	11.3	5.8
4	9848.0	51.4	49.4	39.7	33.2	5.0	1.2	64.1	62.1	74.0	9.9	11.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.0	46.4	46.7	40.6	32.8	5.9	1.6	52.2	52.5	74.0	21.8	21.5
6	14772.0	-	-	-	-	-	-	-	-	74.0	-	-
7	17234.0	-	-	-	-	-	-	-	-	74.0	-	-
8	19696.0	-	-	-	-	-	-	-	-	74.0	-	-
9	22158.0	-	-	-	-	-	-	-	-	74.0	-	-
10	24620.0	47.3	45.4	39.9	30.8	8.2	0.0	55.1	53.2	74.0	18.9	20.8

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	2483.5	48.9	52.2	29.2	32.7	2.3	0.0	47.7	51.0	54.0	6.3	3.0
2	4924.0	30.9	31.9	33.6	31.6	3.5	1.4	37.8	38.8	54.0	16.2	15.2
3	7386.0	39.2	43.1	37.5	32.2	4.3	1.1	49.9	53.8	54.0	4.1	0.2
4	9848.0	35.8	34.3	39.7	33.2	5.0	1.2	48.5	47.0	54.0	5.5	7.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12310.0	33.6	34.9	40.6	32.8	5.9	1.6	39.4	40.7	54.0	14.6	13.3
6	14772.0	-	-	-	-	-	-	-	-	54.0	-	-
7	17234.0	-	-	-	-	-	-	-	-	54.0	-	-
8	19696.0	-	-	-	-	-	-	-	-	54.0	-	-
9	22158.0	-	-	-	-	-	-	-	-	54.0	-	-
10	24620.0	34.8	34.8	39.9	30.8	8.2	0.0	42.6	42.6	54.0	11.4	11.4

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

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

*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)
(Rx 11b/g, Mid ch./Antenna2)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

Company	: CANON INC.	REPORT NO	: 27BE0338-HO
Equipment	: WLAN MODULE UNIT	REGULATION	: FCC 15.247(d)/RSS-210A8.5
Model	: CH91108	TEST DISTANCE	: 3/1m
Sample No.	: 58	DATE	: 10/15/2006
Power	: DC3.3V	TEMPERATURE	: 22deg.C
Mode	: WLAN Receiving 2437MHz, ANT2	HUMIDITY	: 58%
Remarks	: Hor Y, Ver Y-axis	ENGINEER	: Hiroka Umeyama

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	1997.3	48.2	44.3	28.6	33.0	2.1	0.0	45.9	42.0	74.0	28.1	32.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
2	24370.0	45.7	45.8	39.8	31.1	8.2	0.0	53.1	53.2	74.0	20.9	20.8

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	1997.3	41.4	34.2	28.6	33.0	2.1	0.0	39.1	31.9	54.0	14.9	22.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
2	24370.0	34.2	34.1	39.8	31.1	8.2	0.0	41.6	41.5	54.0	12.4	12.5

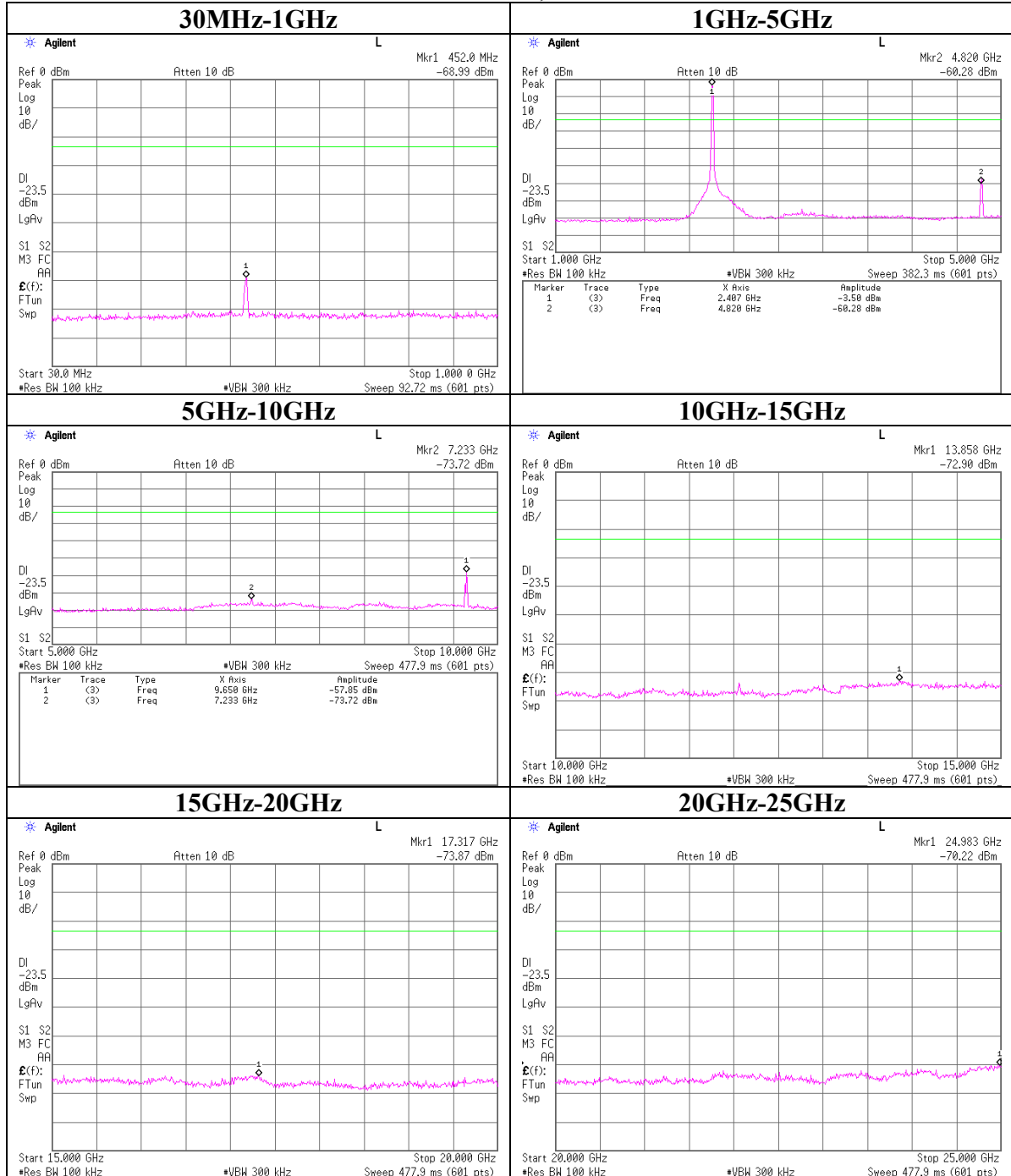
Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB

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

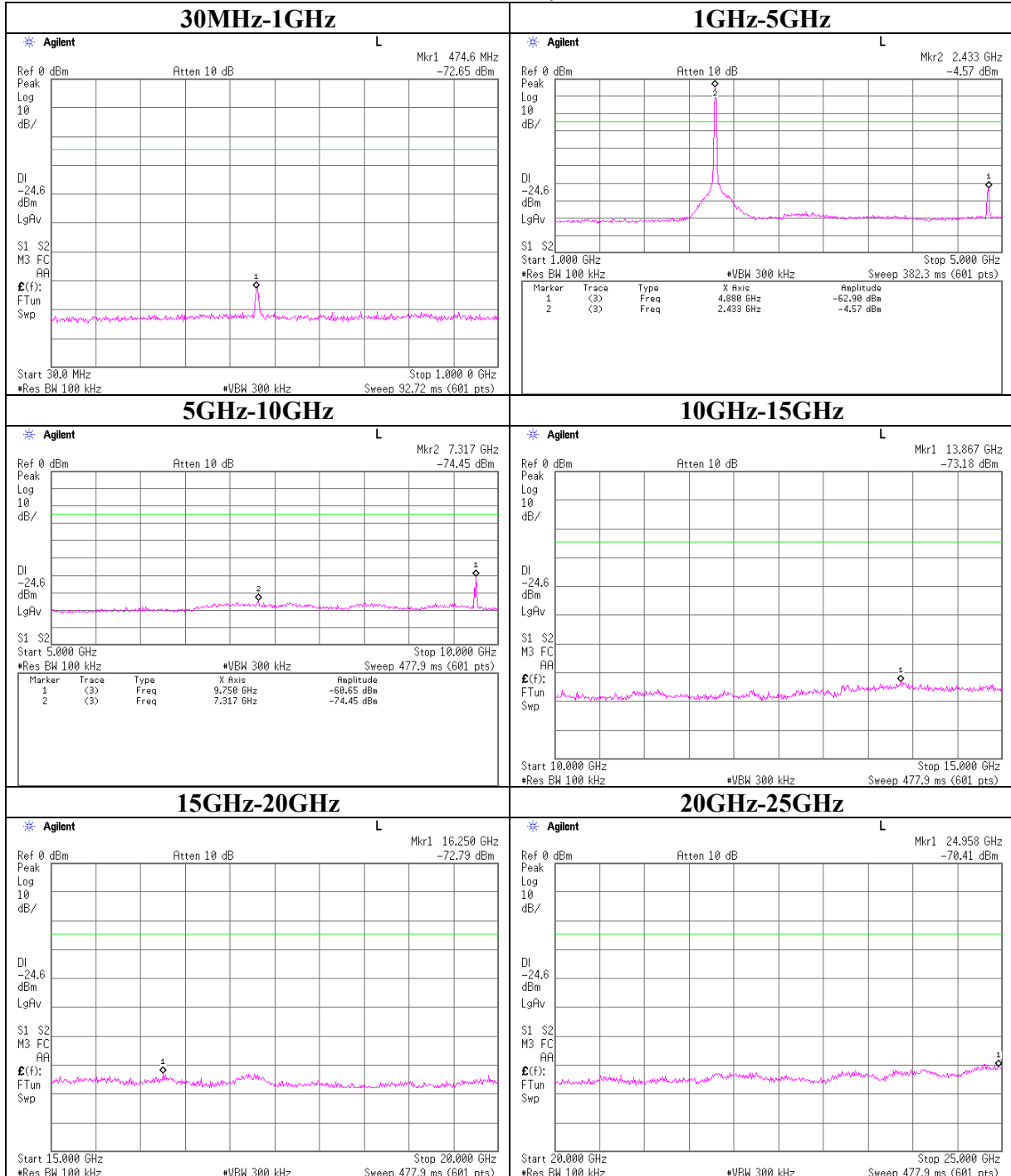
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

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

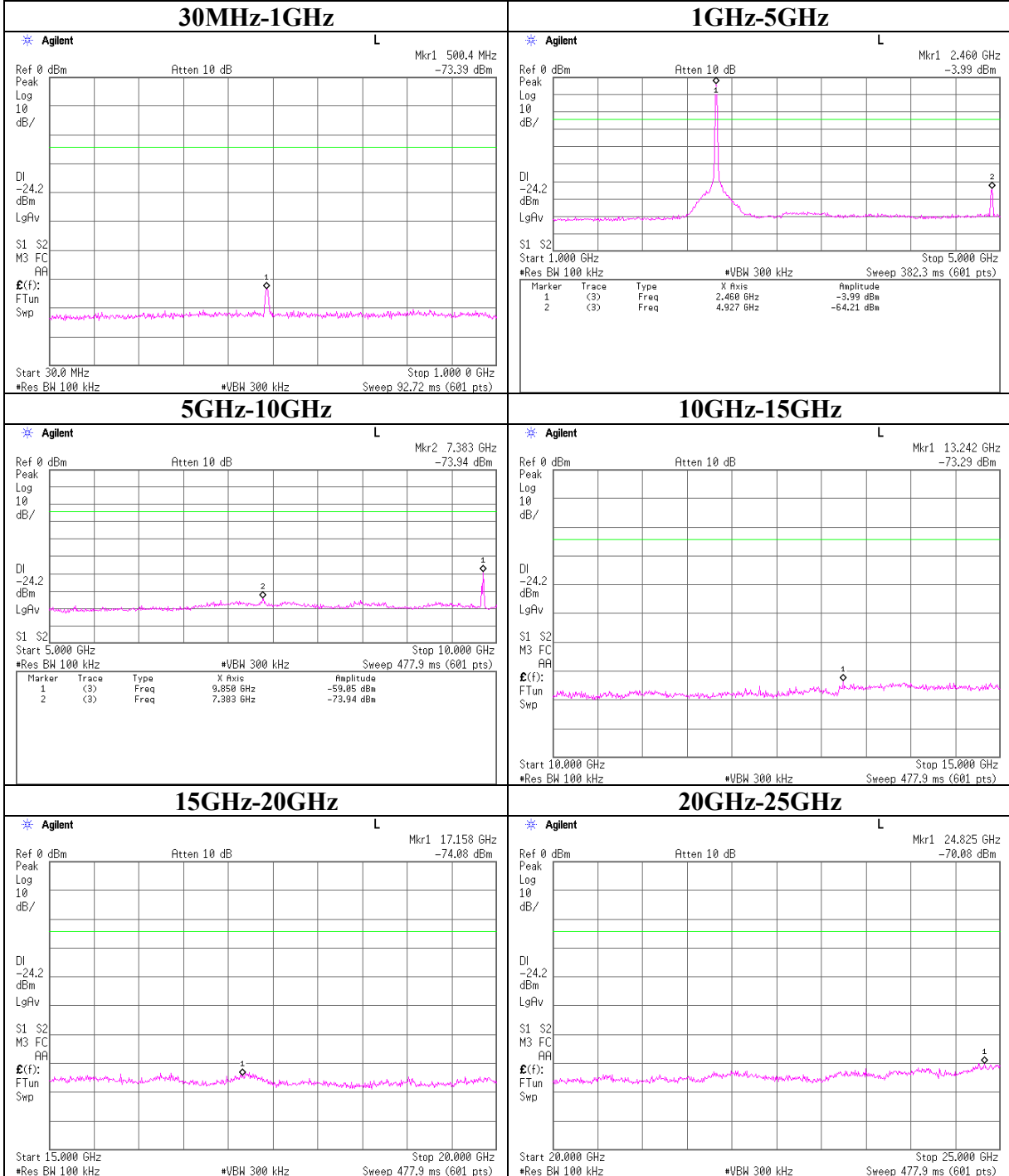
Conducted Spurious Emission
IEEE802.11b, Ch: Low



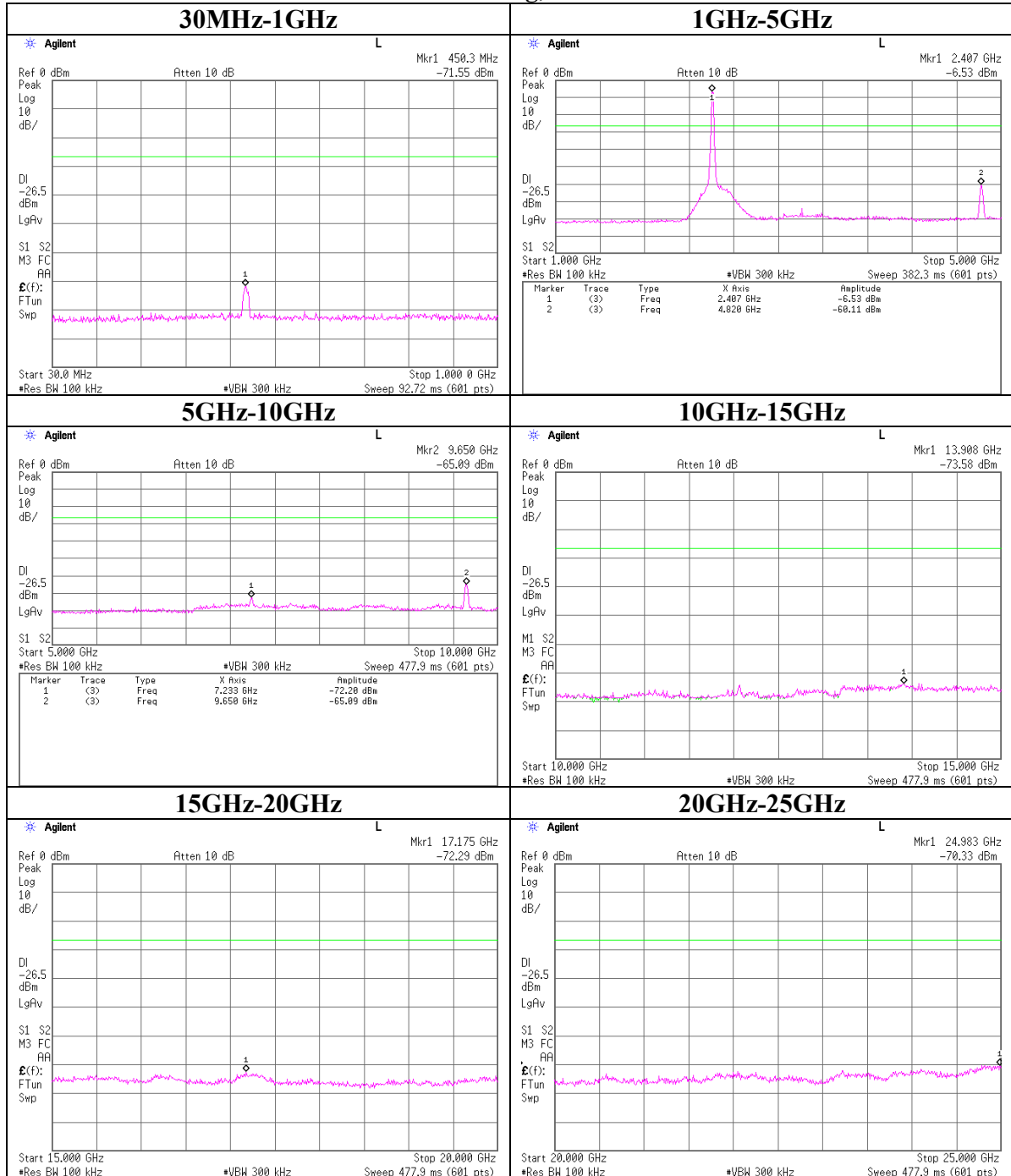
Conducted Spurious Emission
IEEE802.11b,Ch: Mid



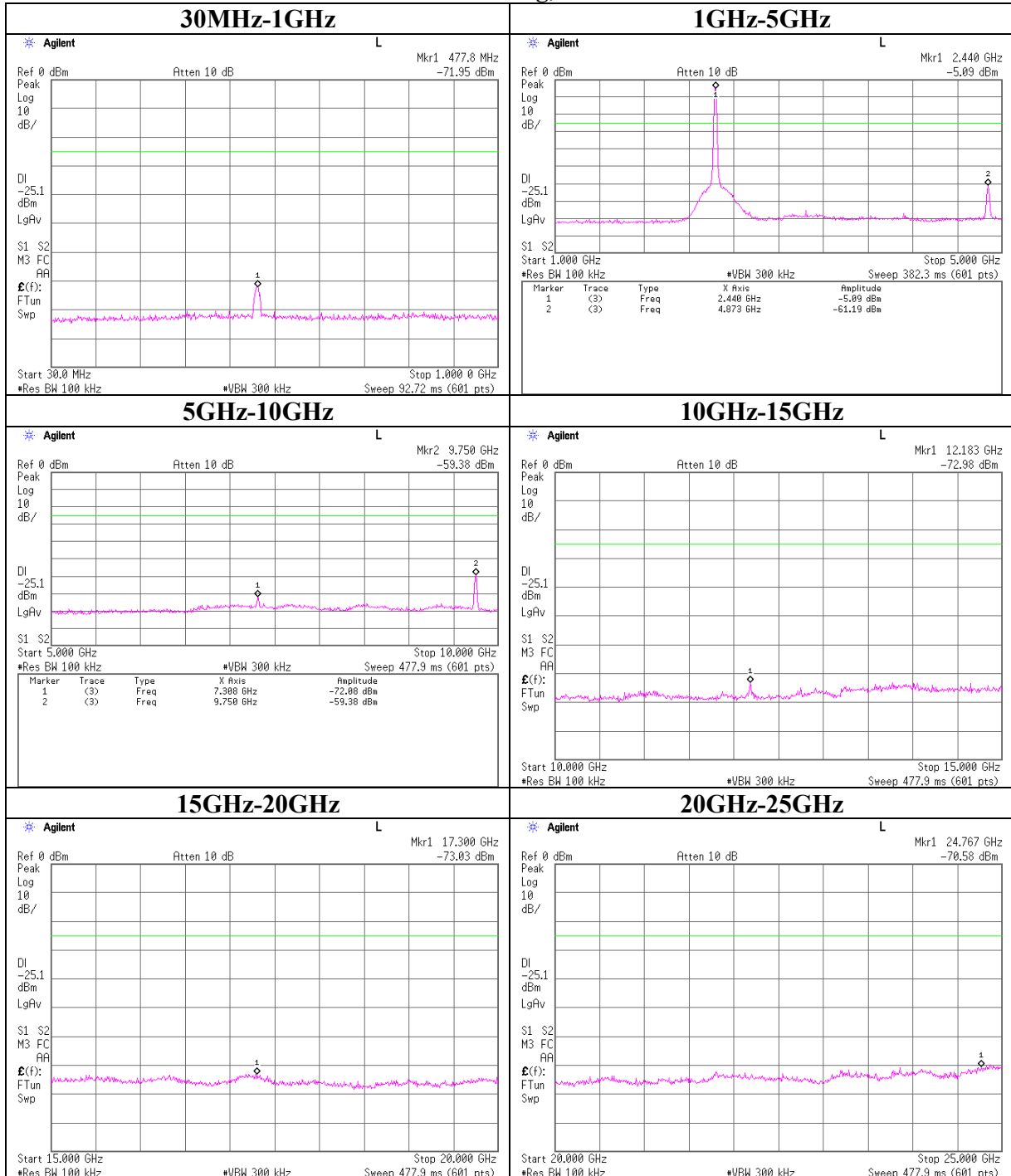
Conducted Spurious Emission
IEEE802.11b, Ch: High



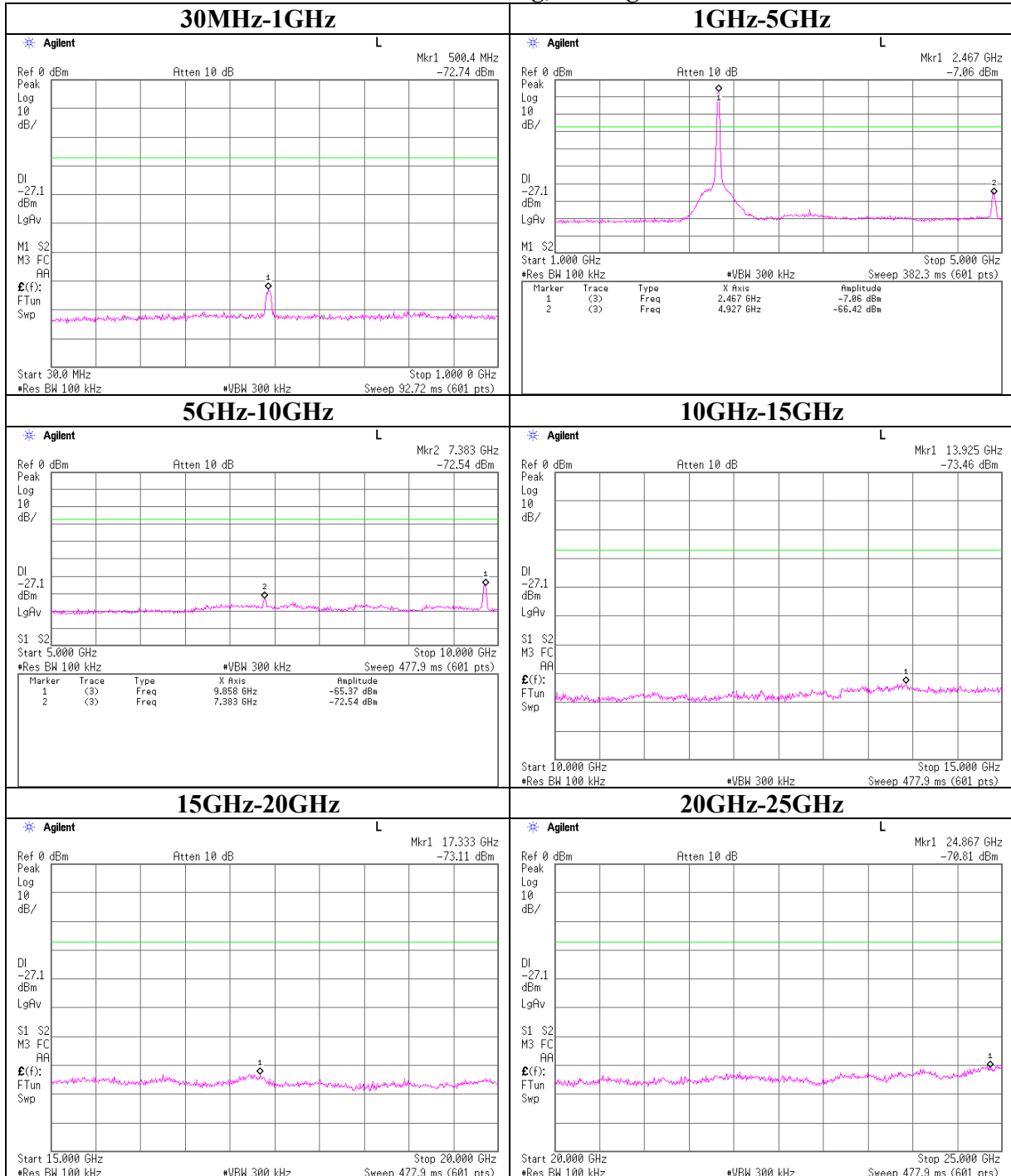
Conducted Spurious Emission
IEEE802.11g,Ch: Low



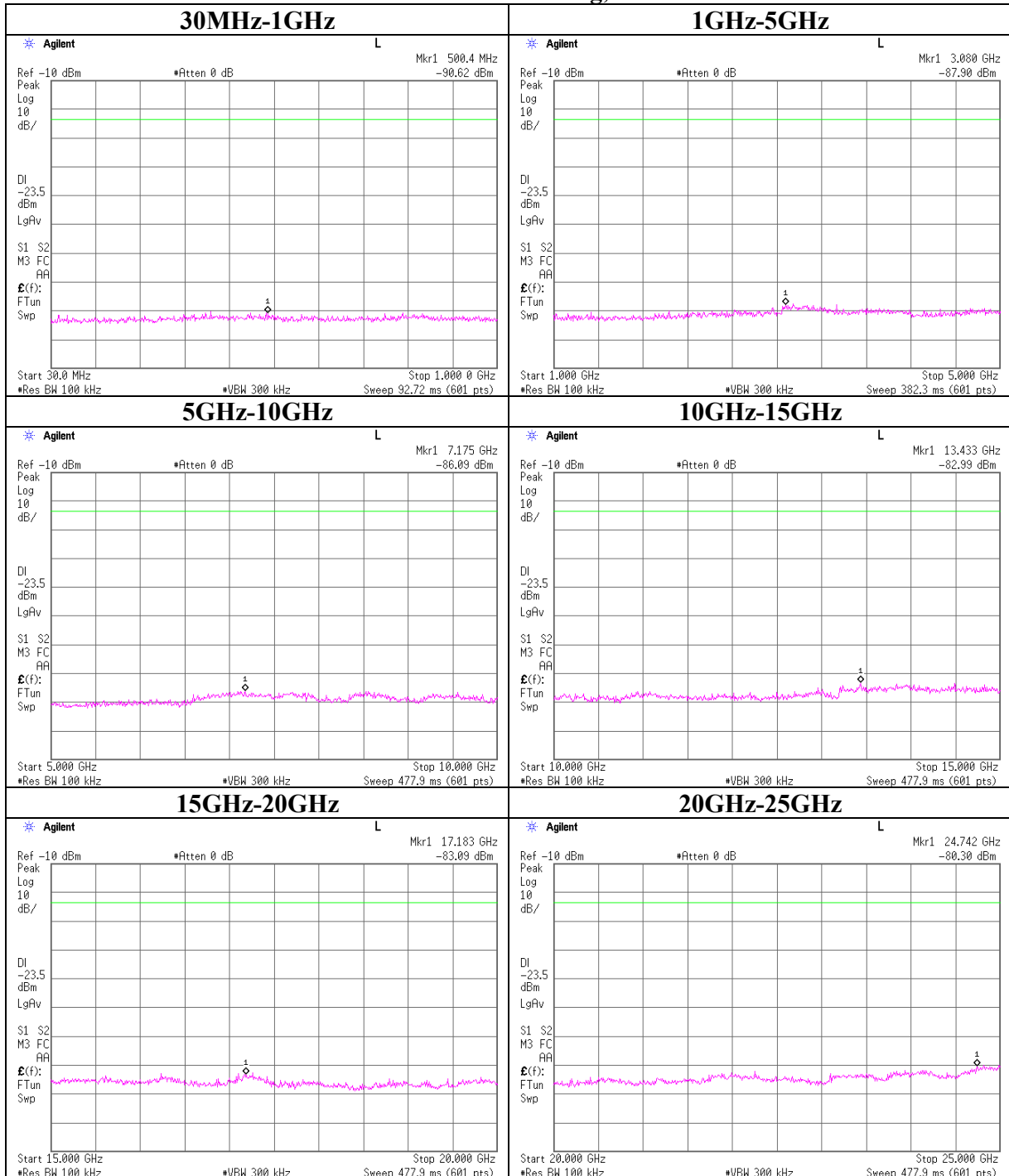
Conducted Spurious Emission
IEEE802.11g,Ch: Mid



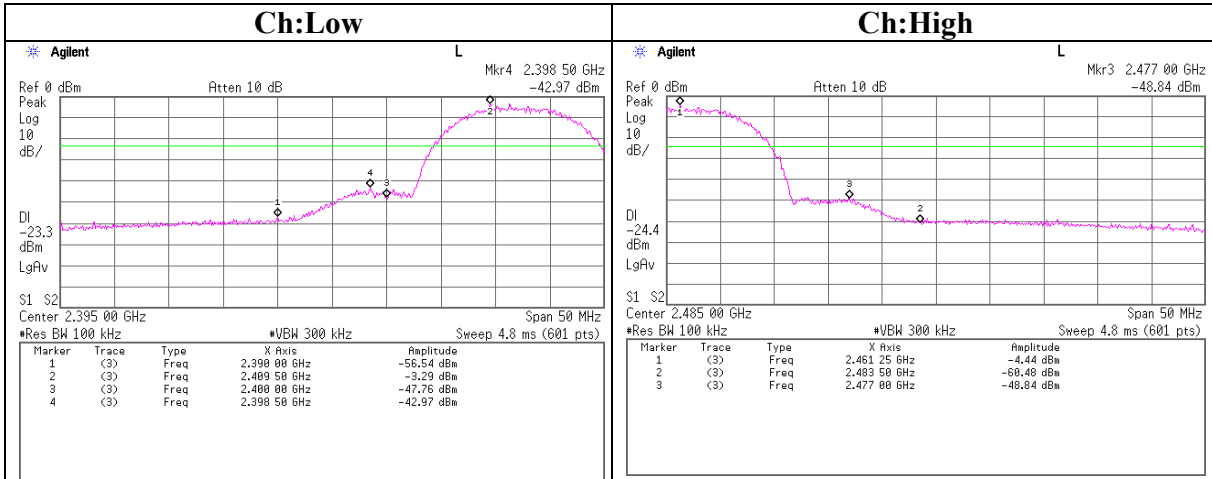
Conducted Spurious Emission
IEEE802.11g, Ch: High



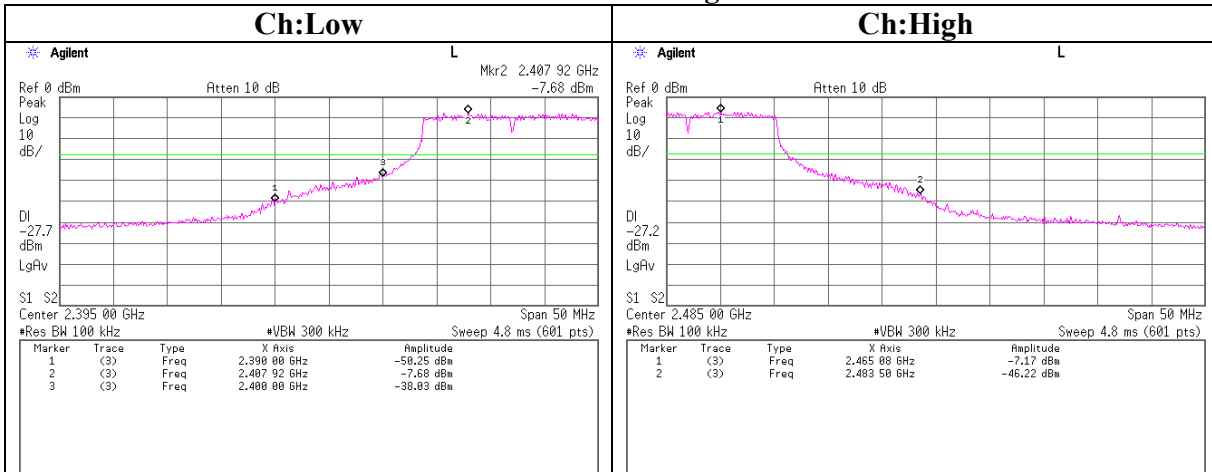
Conducted Spurious Emission
IEEE802.11b/11g,Rx



Conducted emission Band Edge compliance
IEEE802.11b



IEEE802.11g



Power Density

UL Apex Co., Ltd.
Head Office EMC Lab. No.6 Shielded Room

COMPANY : CANON INC. REGULATION : FCC15.247(e)/RSS-210A8.2(2)
EQUIPMENT : WLAN MODULE UNIT TEST DISTANCE : -
MODEL : CH91108 DATE : 2006/10/03
SAMPLE NO. : 55 TEMPERATURE : 25deg.C.
POWER : DC3.3V HUMIDITY : 64%
MODE : Tx (ch Low, Mid, High) ENGINEER : Motoya Imura

[IEEE802.11b]

Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-20.72	0.50	10.21	-10.01	8.00	18.01
Mid	2437.0	-19.76	0.50	10.21	-9.05	8.00	17.05
High	2462.0	-19.70	0.50	10.21	-8.99	8.00	16.99

[IEEE802.11g]

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-23.32	0.50	10.21	-12.61	8.00	20.61
Mid	2437.0	-23.56	0.50	10.21	-12.85	8.00	20.85
High	2462.0	-22.34	0.50	10.21	-11.63	8.00	19.63

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

Sample Calculation:

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

UL Apex Co., Ltd.

Head Office EMC Lab.

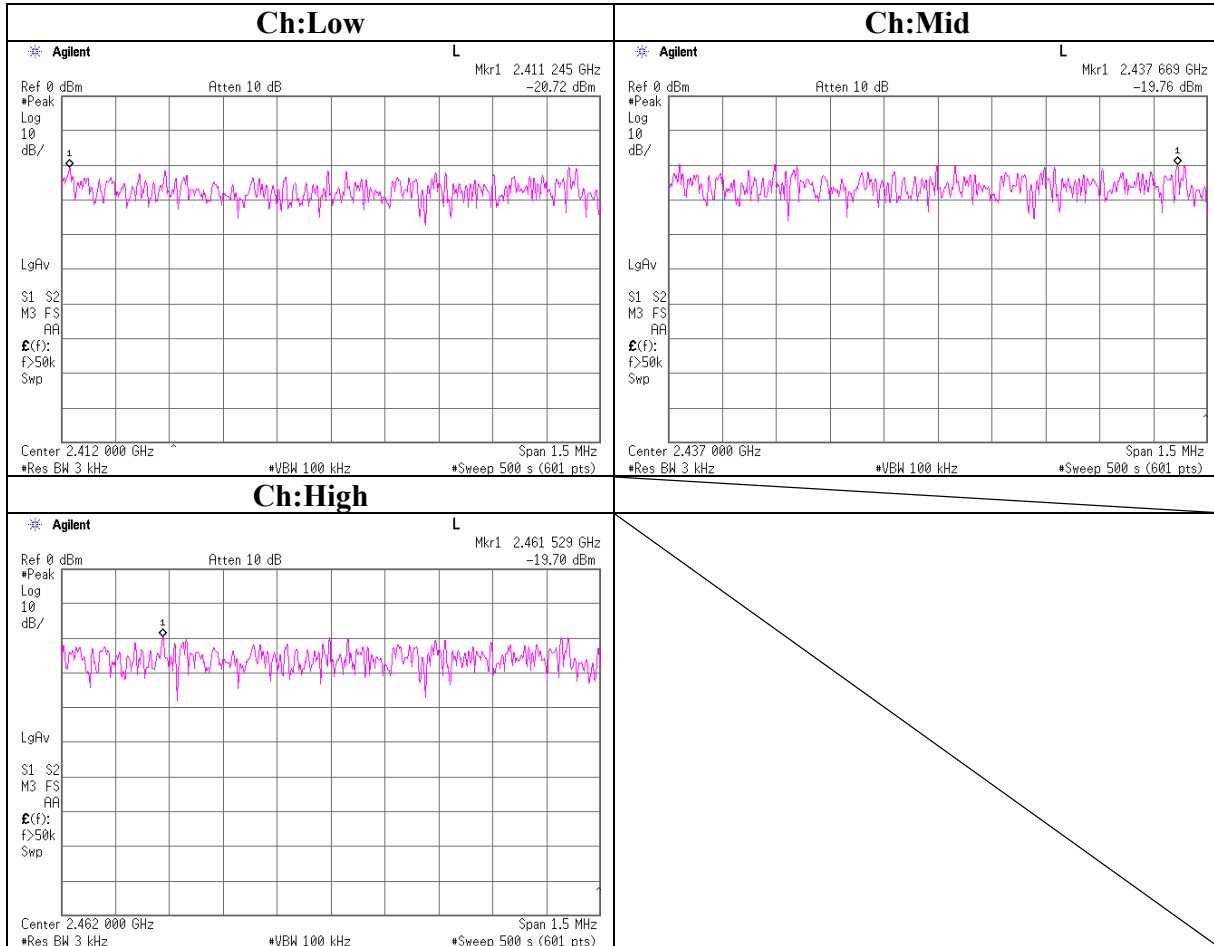
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

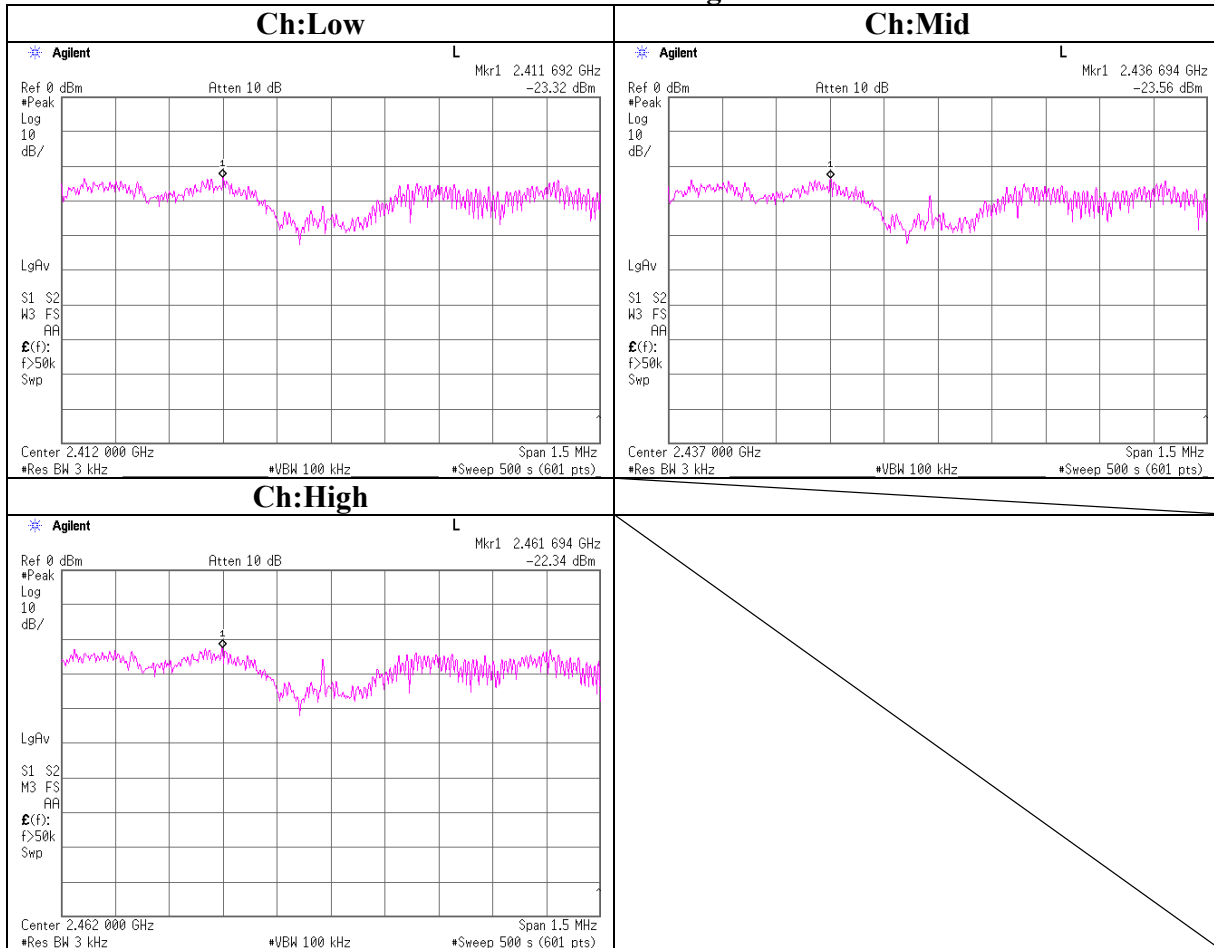
Facsimile : +81 596 24 8124

MF060b(14.06.06)

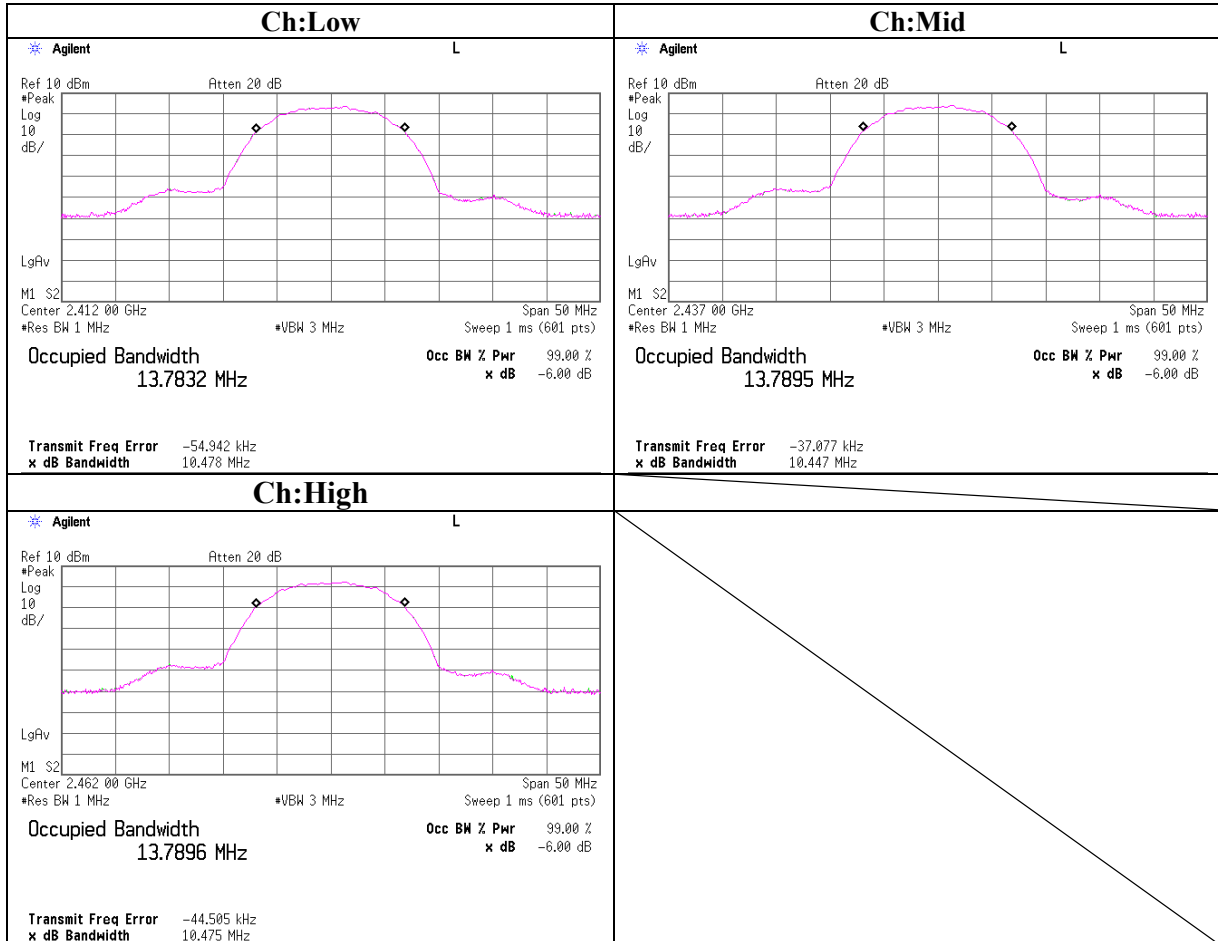
Power Density
IEEE802.11b



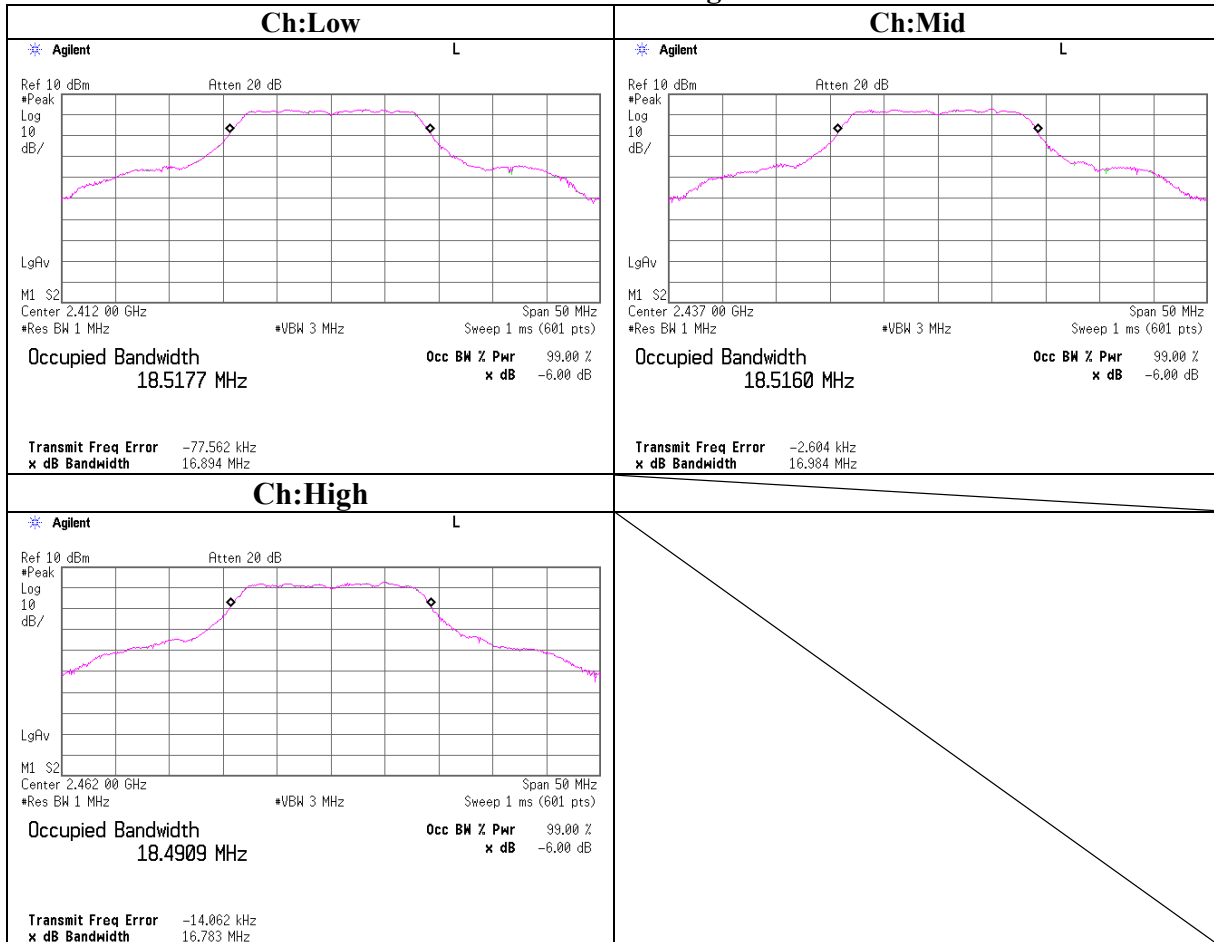
Power Density
IEEE802.11g



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)
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2006/09/13 * 12
MRENT-34	Power sensor	Anritsu	MA2411B	AT	2006/04/25 * 12
MRENT-35	Power Meter	Anritsu	ML2496A	AT	2006/04/25 * 12
MAT-20	Attenuator(10dB)(above1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	AT	2006/01/10 * 12
MDPS-04	DC Power Supply	KENWOOD TMI	PW18-1.3AT	AT	Pre Check
MOS-14	Thermo-Hygrometer	Custom	CTH-180	AT	2006/01/19 * 24
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2006/03/03 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	RE	2006/09/13 * 12
MHA-20	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2006/04/06 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2006/04/15 * 12
MAT-20	Attenuator(10dB)(above1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	RE	2006/01/10 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2006/03/27 * 12
MOS-12	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE /CE	
MHA-01	Horn Antenna 18-26.5G	EMCO	3160-09	RE	2006/01/09 * 12
MHF-05	High Pass Filter 3.5-24GHz	Tokimec	TF323DCA	RE	2006/01/24 * 12
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE /CE	2006/03/06 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	RE /CE	2006/05/20 * 12
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
MPA-12	MicroWave System Amplifier	Agilent	83017A	RE	2006/03/27 * 12
MHA-17	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	RE	2006/04/15 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE /CE	2006/01/19 * 24
MJM-07	Measure	PROMART	SEN1955	RE	-
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (AE)	2006/02/06 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2006/02/06 * 12
MTA-07	Terminator	MCL	BTRM-50	CE/CS	2006/02/06 * 12
MTR-02	Test Receiver	Rohde & Schwarz	ESCS30	CE	2006/02/02 * 12
MCC-50	Coaxial cable	UL Apex	-	CE	2006/03/09 * 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: AC Main Conducted Emission

RE: Radiated Spurious Emission

AT: Antenna Terminal tests

UL Apex Co., Ltd.

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