

Spurious Emission (Radiated:LAN-11b,Tx2412MHz) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/10/12 11:38:44

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-H0
Power : AC120V/60Hz
Temp./ Humi. : 25 deg.C. / 60 %
Operator : Hiroka Umeyama

Mode / Remarks : Wireless LAN(11b) Tx:2412MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

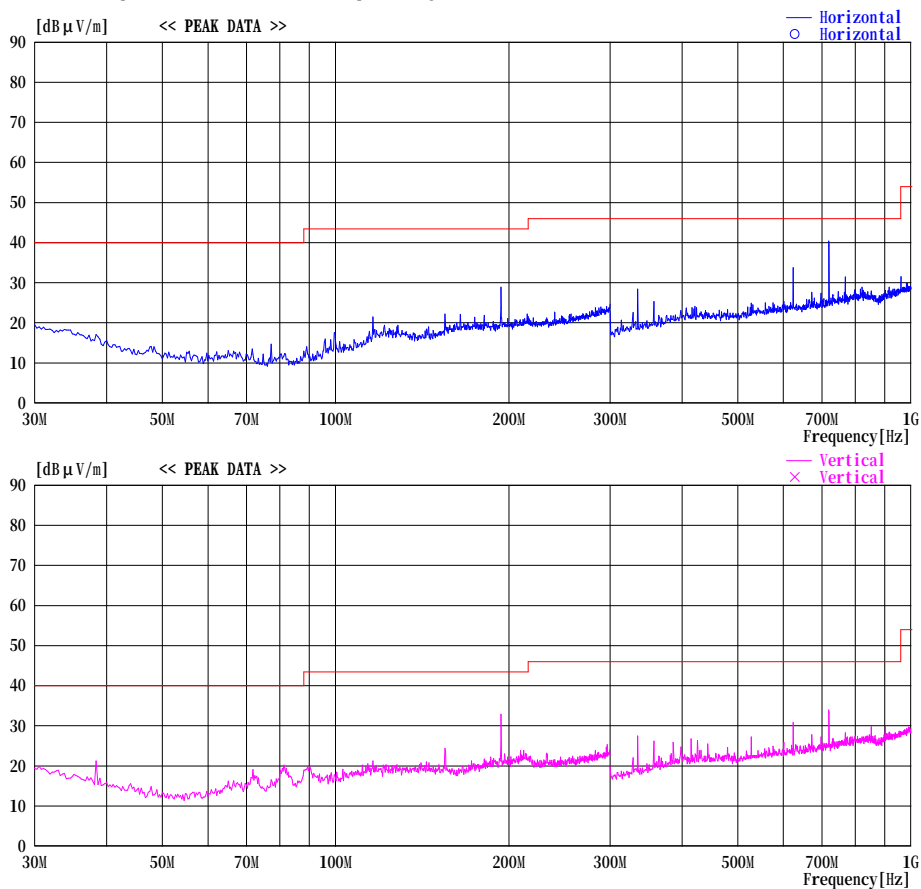


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Spurious Emission (Radiated:LAN-11b,Tx2437MHz) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/10/12 11:46:04

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-H0
Power : AC120V/60Hz
Temp./ Humi. : 25 deg.C. / 60 %
Operator : Hiroka Umeyama

Mode / Remarks : Wireless LAN(11b) Tx:2437MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

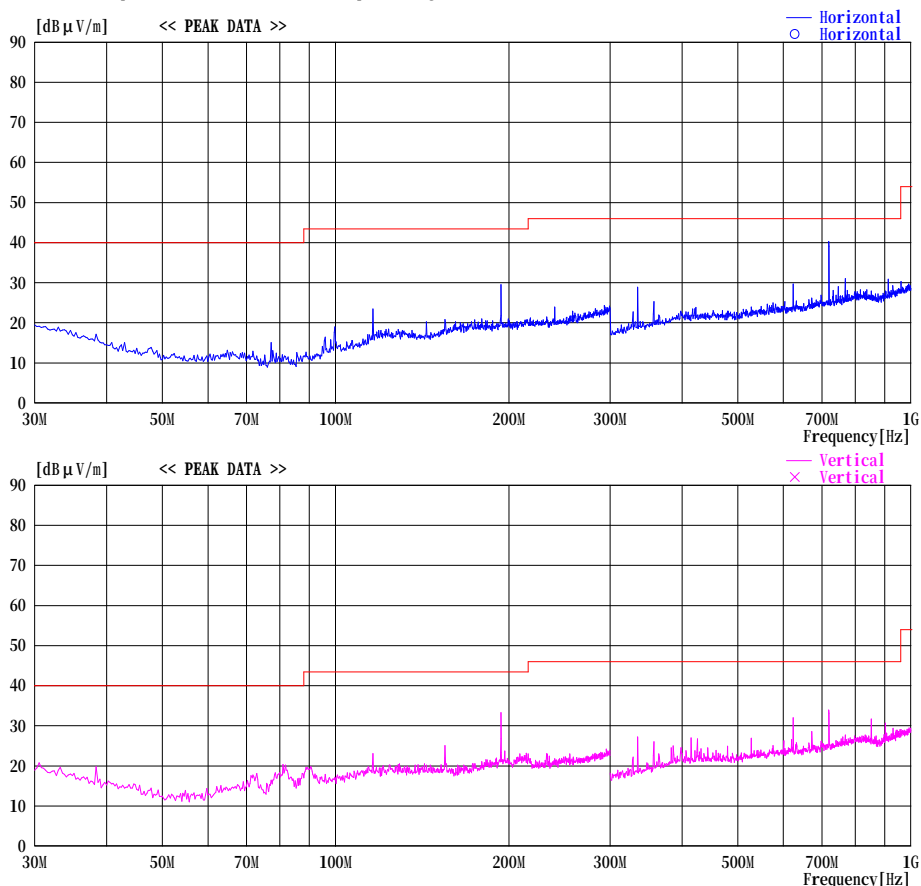


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

UL Apex Co., Ltd.

Head Office EMC Lab.

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MF060b(10.04.03)

Spurious Emission (Radiated:LAN-11b,Tx2462MHz) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/10/12 11:53:05

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-H0
Power : AC120V/60Hz
Temp./ Humi. : 25 deg.C. / 60 %
Operator : Hiroka Umeyama

Mode / Remarks : Wireless LAN(11b) Tx:2462MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

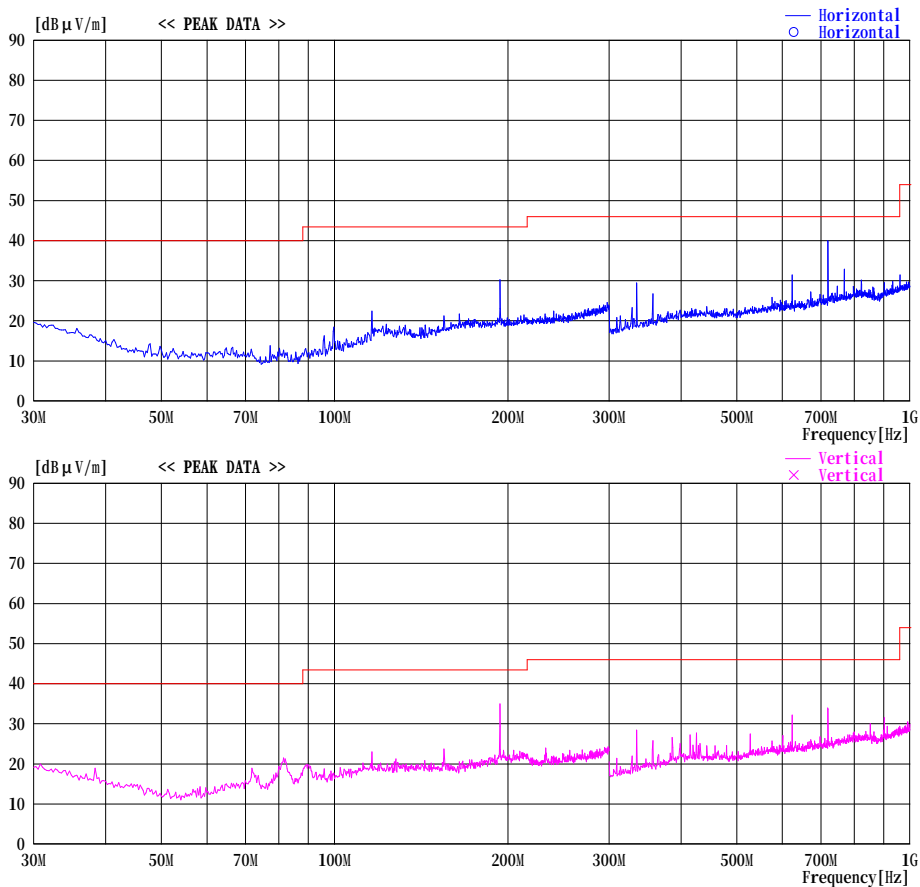


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Spurious Emission (Radiated:LAN-11g,Tx2412MHz) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/10/12 12:00:54

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./ Humi. : 25 deg.C. / 60 %
Operator : Hiroka Umeyama

Mode / Remarks : Wireless LAN(11g) Tx:2412MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

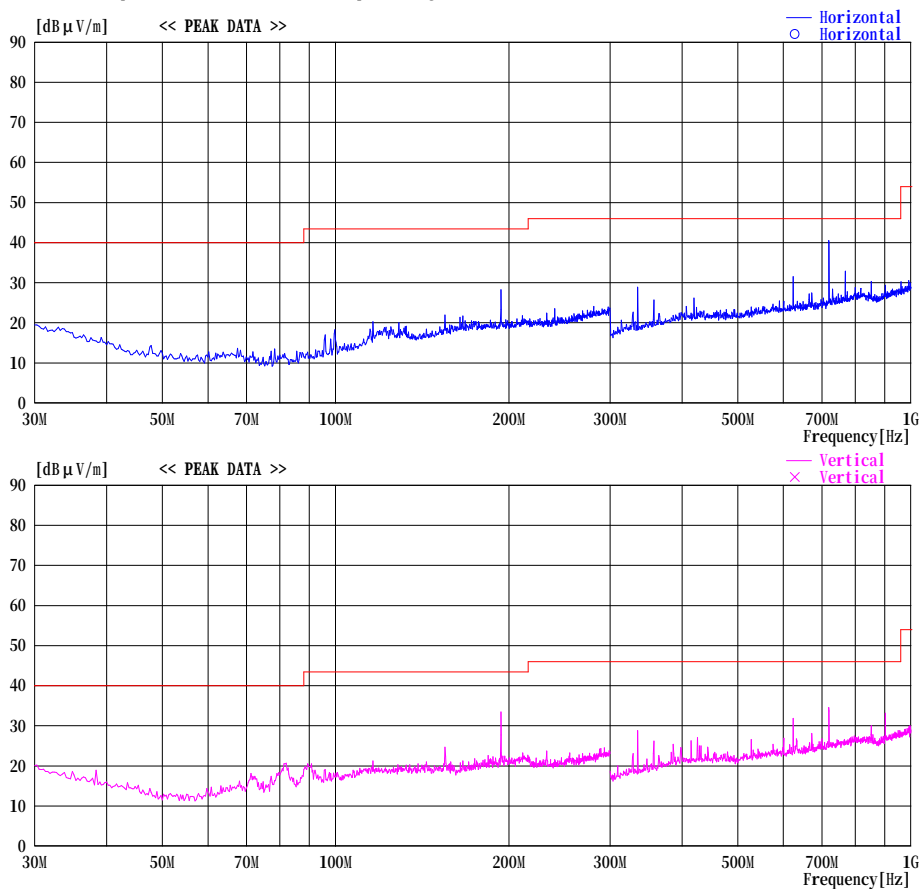


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

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MF060b(10.04.03)

Spurious Emission (Radiated:LAN-11g,Tx2437MHz) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/10/12 12:07:19

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./ Humi. : 25 deg.C. / 60 %
Operator : Hiroka Uneyama

Mode / Remarks : Wireless LAN(11g) Tx:2437MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

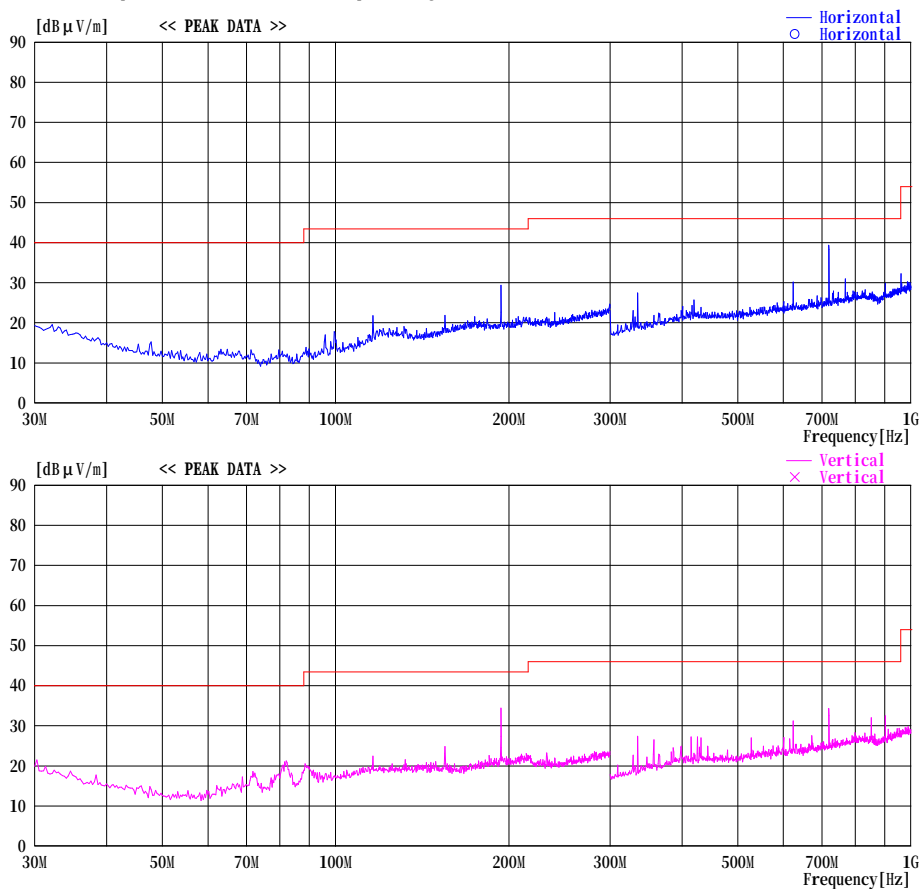


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Spurious Emission (Radiated:LAN-11g,Tx2462MHz) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/10/12 12:46:03

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./ Humi. : 25 deg.C. / 60 %
Operator : Hiroka Uneyama

Mode / Remarks : Wireless LAN(11g) Tx:2462MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

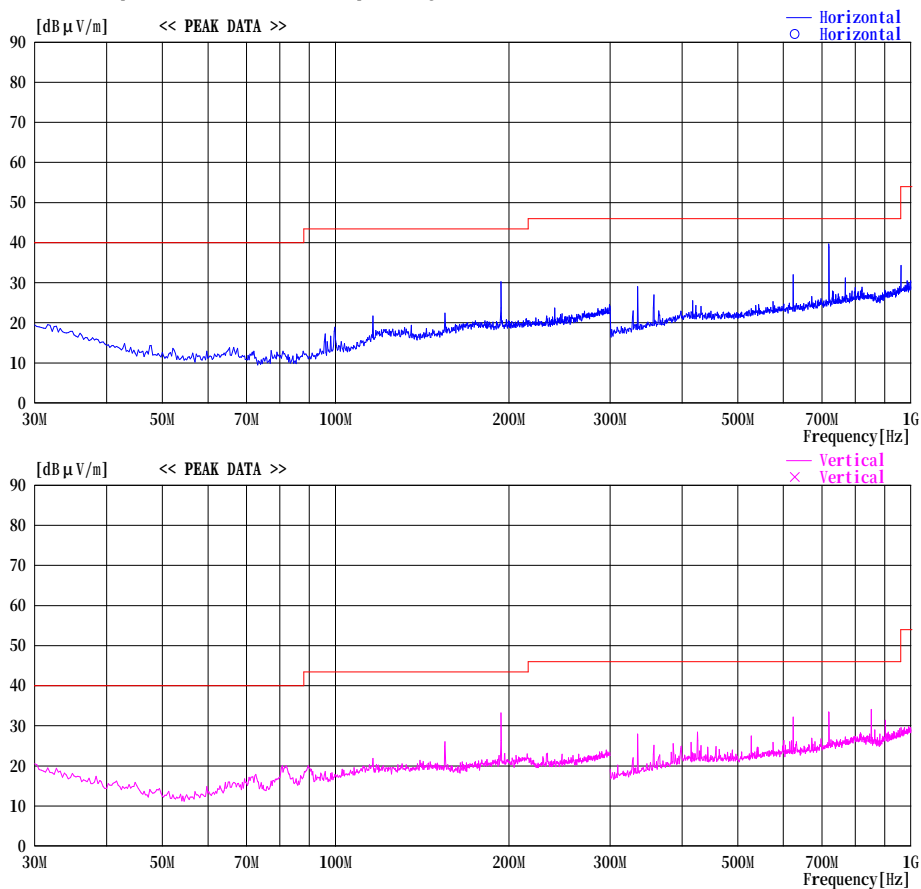


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Spurious Emission (Reciever,Tx2402) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/10/12 11:12:24

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./ Humi. : 25 deg.C. / 60 %
Operator : Hiroka Uneyama

Mode / Remarks : Wireless Receiver Tx:2402MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

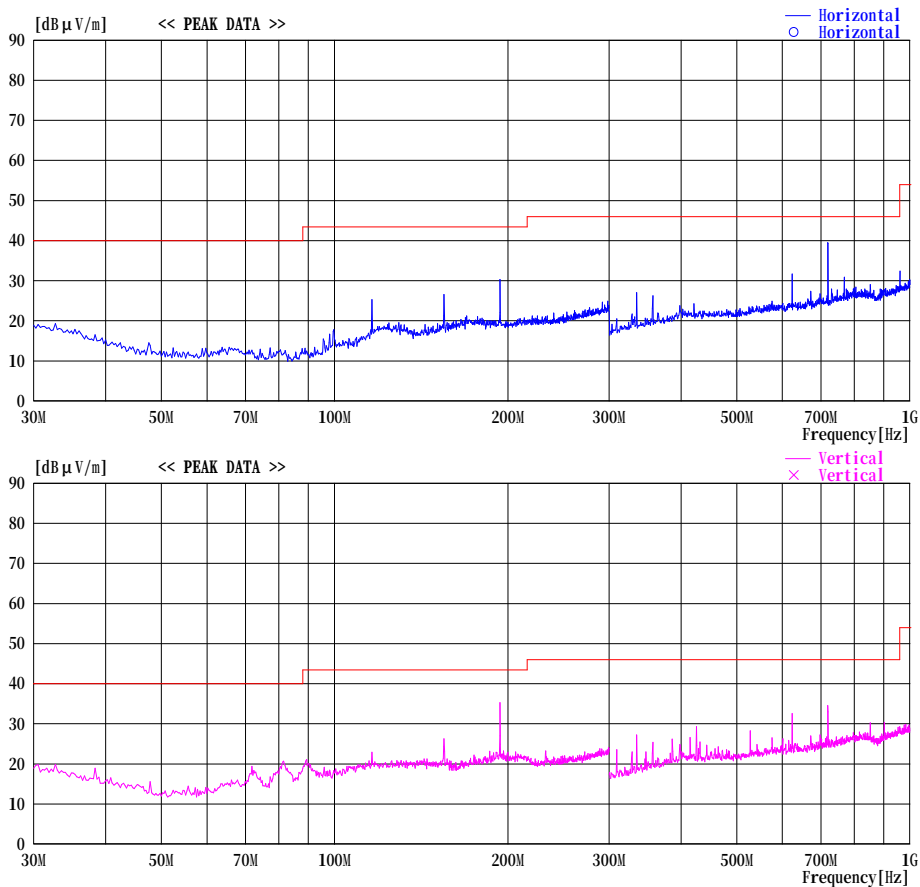


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

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MF060b(10.04.03)

Spurious Emission (Reciever,Tx2440) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/10/12 11:22:32

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-H0
Power : AC120V/60Hz
Temp./ Humi. : 25 deg.C. / 60 %
Operator : Hiroka Umeyama

Mode / Remarks : Wireless Receiver Tx:2440MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

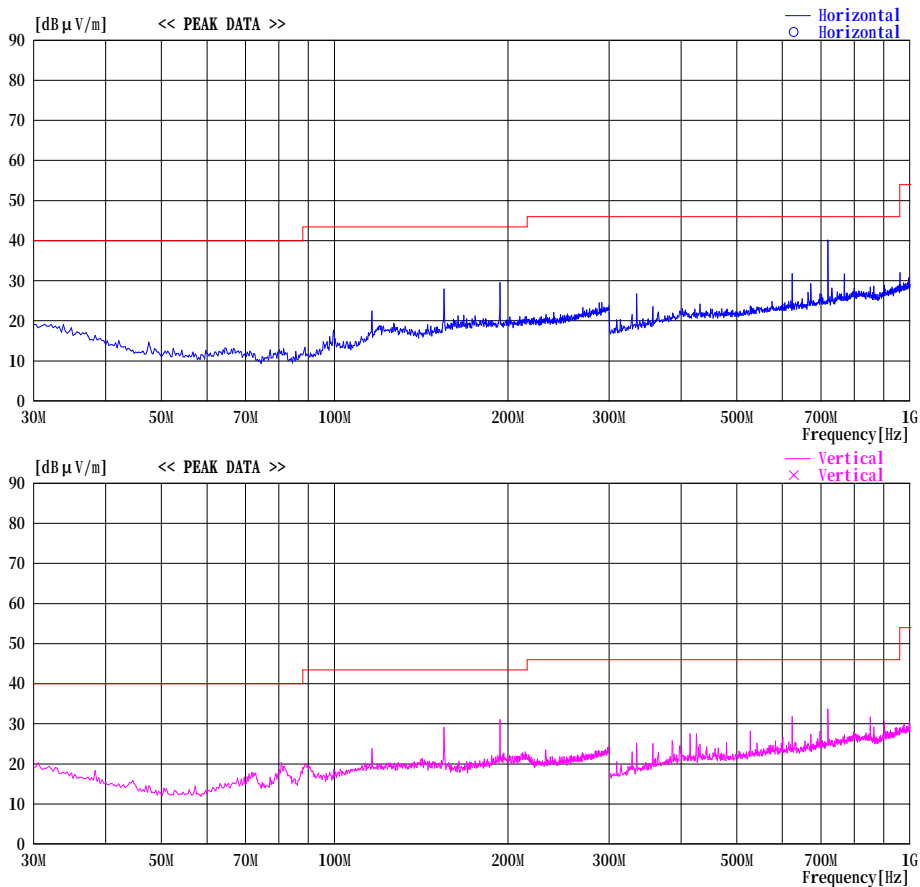


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Spurious Emission (Reciever,Tx2479) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/10/12 11:29:51

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./ Humi. : 25 deg.C. / 60 %
Operator : Hiroka Uneyama

Mode / Remarks : Wireless Receiver Tx:2479MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

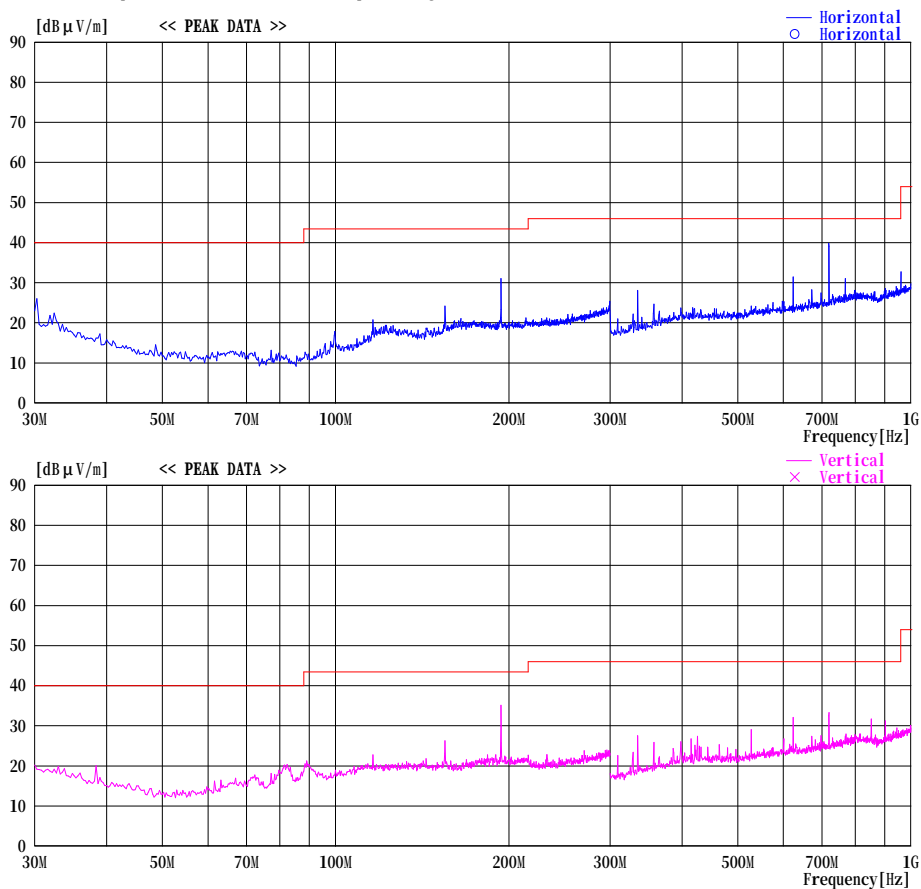


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Spurious Emission (Radiated:LAN-11b,Tx2412MHz(Worst)+Reciever,Tx2402) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/09/29 11:26:10

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./ Humi. : 26 deg.C. / 60 %
Operator : Hiroka Umeyama

Mode / Remarks : Wireless LAN(11b) Tx:2412MHz, Wireless Receiver Tx:2402MHz, Mouse/Keyboard Tx:2402MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

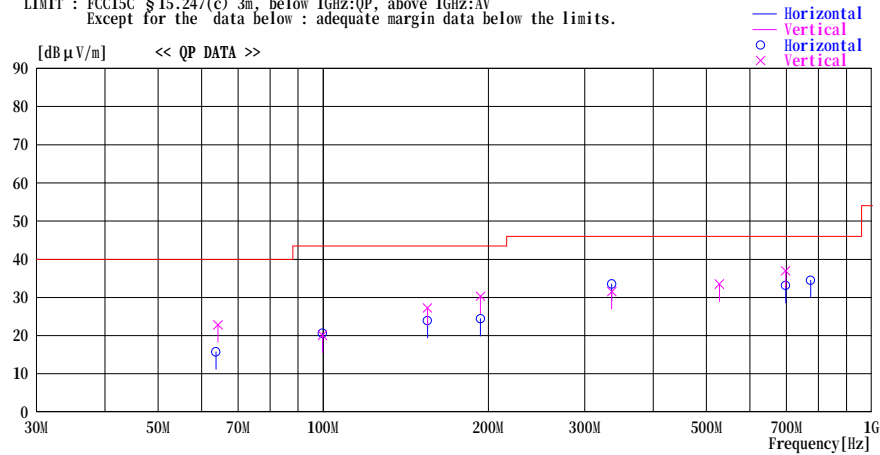


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Test report No. : 25BE0202-HO-1
Page : 52 of 98
Issued date : October 20, 2004
Revised date : October 26, 2004
FCC ID : AK8PCVE21L

Spurious Emission (Radiated:LAN-11b,Tx2412MHz(Worst)+Reciever,Tx2440) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2004/10/11 09:42:49

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./ Humi. : 26 deg.C. / 60 %
Operator : Hiroka Uneyama

Mode / Remarks : Wireless LAN(11b) Tx:2412MHz, Wireless Receiver Tx:2440MHz, Mouse Tx:2445MHz, Keyboard Tx:2440MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV

Except for the data below : adequate margin data below the limits.

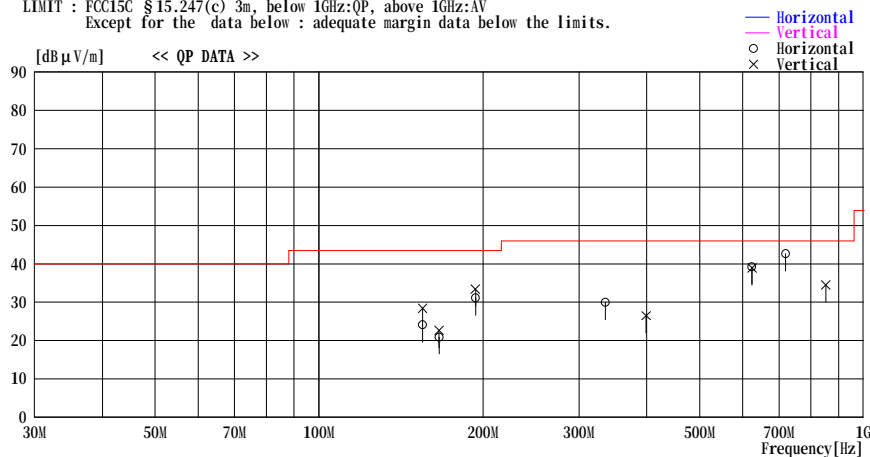


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

UL Apex Co., Ltd.

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MF060b(10.04.03)

Spurious Emission (Radiated:LAN-11b,Tx2412MHz(Worst)+Reciever,Tx2479) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2004/10/11 10:23:30

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16
Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./ Humi. : 26 deg.C. / 60 %
Operator : Hiroka Umeyama

Mode / Remarks : Wireless LAN(11b) Tx:2412MHz, Wireless Receiver Tx:2479MHz, Mouse Tx:2479MHz, Keyboard
Tx:2479MHz
LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.

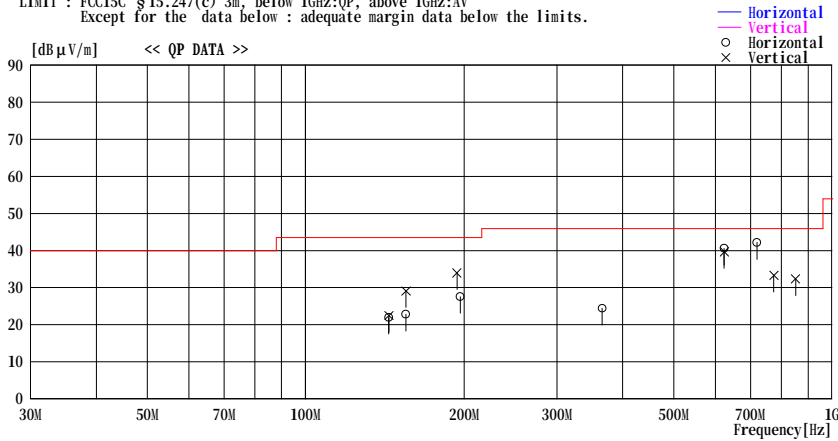


CHART:WITH FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION:RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

Spurious Emission (Radiated:LAN-11g,Tx2412MHz(Worst)+Reciever,Tx2402) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2004/10/11 11:26:53

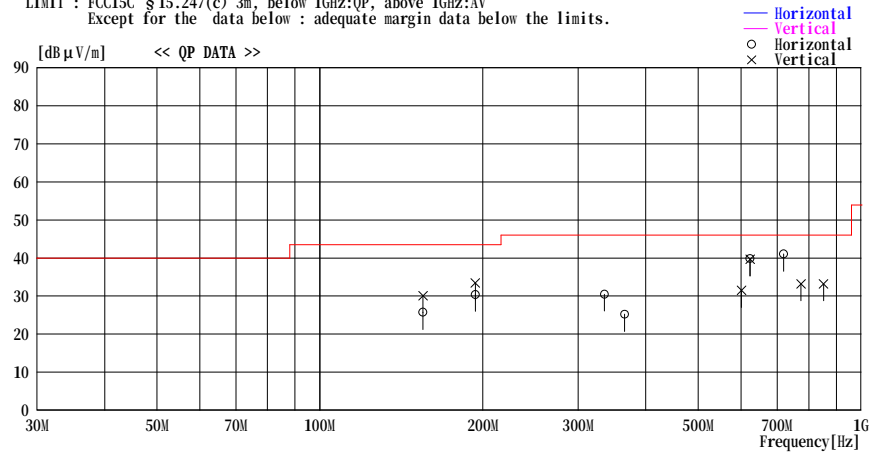
Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./ Humi. : 26 deg.C. / 60 %
Operator : Hiroka Umeyama

Mode / Remarks : Wireless LAN(11g) Tx:2412MHz, Wireless Receiver Tx:2402MHz, Mouse Tx:2402MHz, Keyboard Tx:2402MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV

Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dB μV]	ANT FACTOR [dB/m]	LOSS [dB]	GAIN [dB]	RESULT [dB μV/m]	LIMIT [dB μV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	154.994	32.2	15.0	5.9	27.4	25.7	43.5	17.8	100	0
2	193.748	34.6	16.6	6.5	27.3	30.4	43.5	13.1	100	359
3	336.047	35.0	15.7	7.3	27.5	30.5	46.0	15.5	100	306
4	365.960	28.0	16.9	7.8	27.5	25.2	46.0	20.8	100	171
5	624.090	39.8	19.7	9.2	28.9	39.8	46.0	6.2	244	112
6	720.105	39.6	20.5	9.6	28.7	41.0	46.0	5.0	100	123
----- Vertical -----										
7	155.051	36.6	15.0	5.9	27.4	30.1	43.5	13.4	100	0
8	193.750	37.6	16.7	6.5	27.4	33.4	43.5	10.1	243	359
9	601.345	31.9	19.5	8.9	28.8	31.5	46.0	14.5	100	192
10	624.081	39.7	19.7	9.2	28.9	39.7	46.0	6.3	100	183
11	774.847	30.5	21.4	9.9	28.6	33.2	46.0	12.8	119	0
12	852.414	30.2	21.4	10.2	28.6	33.2	46.0	12.8	221	359

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)

Spurious Emission (Radiated:LAN-11g,Tx2412MHz(Worst)+Reciever,Tx2440) below 1GHz

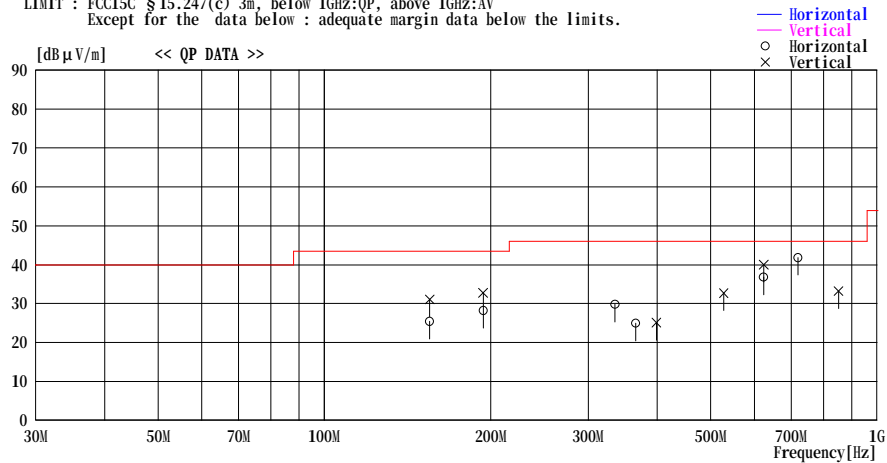
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2004/10/11 14:02:16

Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./ Humi. : 26 deg.C. / 60 %
Operator : Hiroka Umeyama

Mode / Remarks : Wireless LAN(11g) Tx:2412MHz, Wireless Receiver Tx:2440MHz, Mouse Tx:2445MHz, Keyboard Tx:2440MHz
LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dB μV]	ANT FACTOR [dB/m]	LOSS	GAIN	RESULT [dB μV/m]	LIMIT [dB μV/m]	MARGIN	ANTENNA	TABLE
				[dB]	[dB]			[dB]	[cm]	[DEG]
----- Horizontal -----										
1	154.996	31.9	15.0	5.9	27.4	25.4	43.5	18.1	100	0
2	193.742	32.4	16.6	6.5	27.3	28.2	43.5	15.3	100	359
3	336.046	34.3	15.7	7.3	27.5	29.8	46.0	16.2	100	139
4	365.495	27.9	16.9	7.7	27.5	25.0	46.0	21.0	100	167
5	624.084	36.8	19.7	9.2	28.9	36.8	46.0	9.2	117	179
6	720.101	40.4	20.5	9.6	28.7	41.8	46.0	4.2	100	136
----- Vertical -----										
7	155.046	37.6	15.0	5.9	27.4	31.1	43.5	12.4	100	0
8	193.744	37.0	16.6	6.5	27.3	32.8	43.5	10.7	254	359
9	398.988	26.8	18.3	7.9	27.9	25.1	46.0	20.9	116	38
10	528.075	34.6	18.3	8.4	28.6	32.7	46.0	13.3	100	185
11	624.085	40.0	19.7	9.2	28.9	40.0	46.0	6.0	100	175
12	852.392	30.2	21.4	10.2	28.6	33.2	46.0	12.8	100	359

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)

Spurious Emission (Radiated:LAN-11g,Tx2412MHz(Worst)+Reciever,Tx2479) below 1GHz

DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2004/10/11 14:37:10

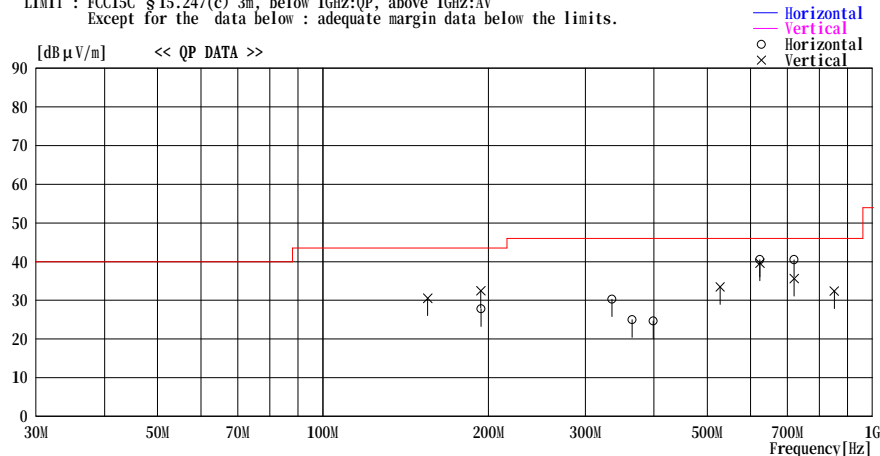
Applicant : Sony Corporation
Kind of EUT : Personal Computer
Model No. : PCV-E21L
Serial No. : 16

Report No. : 25BE0202-HO
Power : AC120V/60Hz
Temp./Humi. : 26 deg.C. / 60 %
Operator : Hiroka Uneyama

Mode / Remarks : Wireless LAN(11g) Tx:2412MHz, Wireless Receiver Tx:2479MHz, Mouse Tx:2479MHz, Keyboard Tx:2479MHz

LIMIT : FCC15C §15.247(c) 3m, below 1GHz:QP, above 1GHz:AV

Except for the data below : adequate margin data below the limits.



No.	FREQ [MHz]	READING QP [dB μV]	ANT FACTOR [dB/m]	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
				[dB]	[dB]	[dB μV/m]	[dB μV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	193.746	32.0	16.6	6.5	27.3	27.8	43.5	15.7	100	359
2	336.046	34.8	15.7	7.3	27.5	30.3	46.0	15.7	160	77
3	365.268	27.9	16.9	7.7	27.5	25.0	46.0	21.0	100	194
4	399.494	26.3	18.3	7.9	27.9	24.6	46.0	21.4	209	195
5	624.088	40.5	19.7	9.2	28.9	40.5	46.0	5.5	247	108
6	720.104	39.1	20.5	9.6	28.7	40.5	46.0	5.5	100	134
----- Vertical -----										
7	155.041	37.0	15.0	5.9	27.4	30.5	43.5	13.0	100	359
8	193.732	36.7	16.6	6.5	27.3	32.5	43.5	11.0	220	0
9	528.071	35.3	18.3	8.4	28.6	33.4	46.0	12.6	100	177
10	624.087	39.6	19.7	9.2	28.9	39.6	46.0	6.4	100	179
11	720.102	34.2	20.5	9.6	28.7	35.6	46.0	10.4	206	233
12	852.480	29.4	21.4	10.2	28.6	32.4	46.0	13.6	209	359

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)

Test report No. : 25BE0202-HO-1
Page : 57of 98
Issued date : October 20, 2004
Revised date : October 26, 2004
FCC ID : AK8PCVE21L

Spurious Emission (Radiated:LAN-11b,Tx2412MHz) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company	: Sony Corporation	REPORT NO	: 25BE00202-HO
Equipment	: Personal Computer	REGULATION	: Fcc Part15 Subpart C 15.247(C)
Model	: PCV-E21L	TEST DISTANCE	: 3/1m
Sample No.	: 16	DATE	: 9/29/2004, 10/11/2004 and 10/12/2004
Power	: AC120V / 60Hz	TEMPERATURE	: 26 deg.C, 25deg.C and 25deg.C
Mode	: LAN-11b, 11Mbps, PN9, Tx2412MHz	HUMIDITY	: 60 % , 60% and 60%
		ENGINEER	: Hiroka Umeyama

No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT		Limit PK	MARGIN	
	[MHz]	HOR	VER					[dBuV/m]	[dB]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	57.2	50.8	23.0	36.9	4.4	0.0	47.7	41.3	74.0	26.3	32.7
2	2390.0	58.2	58.7	30.8	36.3	6.4	0.0	59.1	59.6	74.0	14.9	14.4
3	4824.0	45.5	45.8	35.4	36.1	9.3	1.0	55.1	55.4	74.0	18.9	18.6
4	7236.0	43.2	43.3	38.2	35.6	11.8	0.5	58.1	58.2	74.0	15.9	15.8
5	9648.0	43.2	43.7	37.5	36.3	13.9	0.5	58.8	59.3	74.0	15.2	14.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12060.0	40.3	41.6	41.1	35.7	15.5	0.0	51.7	53.0	74.0	22.3	21.0
7	14472.0	39.7	39.6	41.0	34.6	16.6	0.0	53.2	53.1	74.0	20.8	20.9
8	16884.0	41.4	42.1	46.0	35.5	18.6	0.0	61.0	61.7	74.0	13.0	12.3
9	19296.0	42.2	40.2	39.6	34.9	20.4	0.0	57.8	55.8	74.0	16.2	18.2
10	21708.0	41.0	42.3	40.7	35.3	22.1	0.0	59.0	60.3	74.0	15.0	13.7
11	24120.0	40.4	40.7	40.0	36.0	22.6	0.0	57.5	57.8	74.0	16.5	16.2

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

No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT		Limit AV	MARGIN		
	[MHz]	HOR	VER					[dBuV/m]	[dB/m]		[dB]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass													
1	1194.5	41.8	37.1	23.0	36.9	4.4	0.0	32.3	27.6	54.0	21.7	26.4	
2	2390.0	48.0	47.9	30.8	36.3	6.4	0.0	48.9	48.8	54.0	5.1	5.2	
3	4824.0	32.7	33.5	35.4	36.1	9.3	1.0	42.3	43.1	54.0	11.7	10.9	
4	7236.0	30.4	30.6	38.2	35.6	11.8	0.5	45.3	45.5	54.0	8.7	8.5	
5	9648.0	31.1	31.2	37.5	36.3	13.9	0.5	46.7	46.8	54.0	7.3	7.2	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac													
6	12060.0	29.4	29.4	41.1	35.7	15.5	0.0	40.8	40.8	54.0	13.2	13.2	
7	14472.0	28.2	28.0	41.0	34.6	16.6	0.0	41.7	41.5	54.0	12.3	12.5	
8	16884.0	30.6	30.6	46.0	35.5	18.6	0.0	50.2	50.2	54.0	3.8	3.8	
9	19296.0	29.6	29.6	39.6	34.9	20.4	0.0	45.2	45.2	54.0	8.8	8.8	
10	21708.0	30.7	30.7	40.7	35.3	22.1	0.0	48.7	48.7	54.0	5.3	5.3	
11	24120.0	29.7	29.7	40.0	36.0	22.6	0.0	46.8	46.8	54.0	7.2	7.2	

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2412.0	85.2	86.2	30.8	36.3	6.5	0.0	86.2	87.2	-	-	-
2	2400.0	64.0	64.5	30.8	36.3	6.5	0.0	65.0	65.5	Funda-20dB	1.2	1.7

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.

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MF060b(10.04.03)

Test report No. : 25BE0202-HO-1
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FCC ID : AK8PCVE21L

Spurious Emission (Radiated:LAN-11b,Tx2437MHz) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11b, 11Mbps, PN9, Tx2437MHz

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/2004
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 % , 60% and 60%
ENGINEER : Hiroka Umeyama

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
		[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	57.0	50.7	23.0	36.9	4.4	0.0	47.5	41.2	74.0	26.5	32.8
2	4874.0	43.5	43.7	35.7	36.1	9.5	1.0	53.6	53.8	74.0	20.4	20.2
3	7311.0	43.2	43.3	38.1	35.6	12.0	0.5	58.2	58.3	74.0	15.8	15.7
4	9748.0	43.2	43.7	37.3	36.3	14.0	0.5	58.7	59.2	74.0	15.3	14.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	40.2	40.5	41.4	35.6	15.6	0.0	52.1	52.4	74.0	21.9	21.6
6	14622.0	39.8	39.2	41.5	34.8	16.8	0.0	53.8	53.2	74.0	20.2	20.8
7	17059.0	42.4	41.8	46.4	35.4	18.8	0.0	62.7	62.1	74.0	11.3	11.9
8	19496.0	41.0	40.4	39.2	34.9	20.6	0.0	56.4	55.8	74.0	17.6	18.2
9	21933.0	44.0	43.8	40.5	35.0	22.3	0.0	62.3	62.1	74.0	11.7	11.9
10	24370.0	39.8	40.9	40.1	36.6	22.7	0.0	56.5	57.6	74.0	17.5	16.4

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-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 + Band Pass												
1	1194.5	42.2	37.4	23.0	36.9	4.4	0.0	32.7	27.9	54.0	21.3	26.1
2	4874.0	31.4	31.1	35.7	36.1	9.5	1.0	41.5	41.2	54.0	12.5	12.8
3	7311.0	30.4	30.6	38.1	35.6	12.0	0.5	45.4	45.6	54.0	8.6	8.4
4	9748.0	31.1	31.2	37.3	36.3	14.0	0.5	46.6	46.7	54.0	7.4	7.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	29.4	29.5	41.4	35.6	15.6	0.0	41.3	41.4	54.0	12.7	12.6
6	14622.0	28.1	28.2	41.5	34.8	16.8	0.0	42.1	42.2	54.0	11.9	11.8
7	17059.0	30.8	30.8	46.4	35.4	18.8	0.0	51.1	51.1	54.0	2.9	2.9
8	19496.0	29.0	29.0	39.2	34.9	20.6	0.0	44.4	44.4	54.0	9.6	9.6
9	21933.0	32.7	32.7	40.5	35.0	22.3	0.0	51.0	51.0	54.0	3.0	3.0
10	24370.0	29.0	29.0	40.1	36.6	22.7	0.0	45.7	45.7	54.0	8.3	8.3

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.

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MF060b(10.04.03)

Spurious Emission (Radiated:LAN-11b,Tx2462MHz) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11b, 11Mbps, PN9, Tx2462MHz

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/2004
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 % , 60% and 60%
ENGINEER : Hiroka Umeyama

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

No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT		Limit PK	MARGIN	
	[MHz]	HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	57.8	51.8	23.0	36.9	4.4	0.0	48.3	42.3	74.0	25.7	31.7
2	2483.5	58.9	58.5	31.0	36.2	6.5	0.0	60.2	59.8	74.0	13.8	14.2
3	4924.0	45.0	45.6	35.9	36.1	9.5	1.0	55.3	55.9	74.0	18.7	18.1
4	7386.0	43.2	43.3	38.3	35.7	12.0	0.5	58.3	58.4	74.0	15.7	15.6
5	9848.0	43.2	43.7	37.1	36.3	14.0	0.5	58.5	59.0	74.0	15.5	15.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12310.0	41.5	41.4	41.7	35.6	15.6	0.0	53.7	53.6	74.0	20.3	20.4
7	14772.0	40.6	41.1	42.1	34.9	16.9	0.0	55.2	55.7	74.0	18.8	18.3
8	17234.0	42.4	42.4	46.7	35.3	18.9	0.0	63.2	63.2	74.0	10.8	10.8
9	19696.0	42.4	40.3	39.6	35.2	20.7	0.0	58.0	55.9	74.0	16.0	18.1
10	22158.0	42.3	43.7	40.6	35.0	22.3	0.0	60.7	62.1	74.0	13.3	11.9
11	24620.0	40.7	41.0	40.2	36.8	22.9	0.0	57.5	57.8	74.0	16.5	16.2

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

No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT		Limit AV	MARGIN	
	[MHz]	HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]						[dB/m]	[dB]		[dB]	[dBuV/m]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	41.2	37.1	23.0	36.9	4.4	0.0	31.7	27.6	54.0	22.3	26.4
2	2483.5	47.7	47.5	31.0	36.2	6.5	0.0	49.0	48.8	54.0	5.0	5.2
3	4924.0	32.4	33.1	35.9	36.1	9.5	1.0	42.7	43.4	54.0	11.3	10.6
4	7386.0	30.4	30.6	38.3	35.7	12.0	0.5	45.5	45.7	54.0	8.5	8.3
5	9848.0	31.1	31.2	37.1	36.3	14.0	0.5	46.4	46.5	54.0	7.6	7.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12310.0	29.7	29.6	41.7	35.6	15.6	0.0	41.9	41.8	54.0	12.1	12.2
7	14772.0	29.1	29.1	42.1	34.9	16.9	0.0	43.7	43.7	54.0	10.3	10.3
8	17234.0	31.0	31.1	46.7	35.3	18.9	0.0	51.8	51.9	54.0	2.2	2.1
9	19696.0	29.0	29.0	39.6	35.2	20.7	0.0	44.6	44.6	54.0	9.4	9.4
10	22158.0	31.0	31.0	40.6	35.0	22.3	0.0	49.4	49.4	54.0	4.6	4.6
11	24620.0	29.5	29.5	40.2	36.8	22.9	0.0	46.3	46.3	54.0	7.7	7.7

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.

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Spurious Emission (Radiated:LAN-11g,Tx2412MHz) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11g, 54Mbps, PN9, Tx2412MHz

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/2004
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 % , 60% and 60%
ENGINEER : Hiroka Umeyama

No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT		Limit PK	MARGIN	
	[MHz]	HOR	VER					[dBuV/m]	[dB/m]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	56.5	51.6	23.0	36.9	4.4	0.0	47.0	42.1	74.0	27.0	31.9
2	2390.0	55.1	52.8	30.8	36.3	6.4	0.0	56.0	53.7	74.0	18.0	20.3
3	4824.0	43.8	43.4	35.4	36.1	9.3	1.0	53.4	53.0	74.0	20.6	21.0
4	7236.0	41.7	42.1	38.2	35.6	11.8	0.5	56.6	57.0	74.0	17.4	17.0
5	9648.0	42.3	43.4	37.5	36.3	13.9	0.5	57.9	59.0	74.0	16.1	15.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12060.0	40.7	41.4	41.1	35.7	15.5	0.0	52.1	52.8	74.0	21.9	21.2
7	14472.0	39.2	40.3	41.0	34.6	16.6	0.0	52.7	53.8	74.0	21.3	20.2
8	16884.0	41.7	42.3	46.0	35.5	18.6	0.0	61.3	61.9	74.0	12.7	12.1
9	19296.0	41.8	41.3	39.6	34.9	20.4	0.0	57.4	56.9	74.0	16.6	17.1
10	21708.0	41.8	42.3	40.7	35.3	22.1	0.0	59.8	60.3	74.0	14.2	13.7
11	24120.0	40.7	40.8	40.0	36.0	22.6	0.0	57.8	57.9	74.0	16.2	16.1

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

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					HOR	VER		[dBuV/m]	HOR
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	41.5	37.0	23.0	36.9	4.4	0.0	32.0	27.5	54.0	22.0	26.5
2	2390.0	37.6	38.0	30.8	36.3	6.4	0.0	38.5	38.9	54.0	15.5	15.1
3	4824.0	31.4	31.3	35.4	36.1	9.3	1.0	41.0	40.9	54.0	13.0	13.1
4	7236.0	30.4	30.4	38.2	35.6	11.8	0.5	45.3	45.3	54.0	8.7	8.7
5	9648.0	31.1	31.1	37.5	36.3	13.9	0.5	46.7	46.7	54.0	7.3	7.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12060.0	29.5	29.6	41.1	35.7	15.5	0.0	40.9	41.0	54.0	13.1	13.0
7	14472.0	28.3	28.2	41.0	34.6	16.6	0.0	41.8	41.7	54.0	12.2	12.3
8	16884.0	32.1	32.0	46.0	35.5	18.6	0.0	51.7	51.6	54.0	2.3	2.4
9	19296.0	29.6	29.6	39.6	34.9	20.4	0.0	45.2	45.2	54.0	8.8	8.8
10	21708.0	30.8	30.9	40.7	35.3	22.1	0.0	48.8	48.9	54.0	5.2	5.1
11	24120.0	29.6	29.7	40.0	36.0	22.6	0.0	46.7	46.8	54.0	7.3	7.2

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass										
1	2412.0	80.1	80.3	30.8	36.3	6.5	0.0	81.1	81.3	-	-	-
2	2400.0	55.4	54.9	30.8	36.3	6.5	0.0	56.4	55.9	Funda-20dB	4.7	5.4

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.

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Spurious Emission (Radiated:LAN-11g,Tx2437MHz) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11g, 54Mbps, PN9, Tx2437MHz

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/2004
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 % , 60% and 60%
ENGINEER : Hiroka Umeyama

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

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
	[MHz]	HOR [dBuV/m]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	57.2	50.5	23.0	36.9	4.4	0.0	47.7	41.0	74.0	26.3	33.0
2	4874.0	44.5	44.2	35.7	36.1	9.5	1.0	54.6	54.3	74.0	19.4	19.7
3	7311.0	42.6	42.6	38.1	35.6	12.0	0.5	57.6	57.6	74.0	16.4	16.4
4	9748.0	44.3	43.7	37.3	36.3	14.0	0.5	59.8	59.2	74.0	14.2	14.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	41.3	41.1	41.4	35.6	15.6	0.0	53.2	53.0	74.0	20.8	21.0
6	14622.0	39.8	40.2	41.5	34.8	16.8	0.0	53.8	54.2	74.0	20.2	19.8
7	17059.0	42.6	42.1	46.4	35.4	18.8	0.0	62.9	62.4	74.0	11.1	11.6
8	19496.0	41.2	40.1	39.2	34.9	20.6	0.0	56.6	55.5	74.0	17.4	18.5
9	21933.0	43.7	43.8	40.5	35.0	22.3	0.0	62.0	62.1	74.0	12.0	11.9
10	24370.0	40.3	40.7	40.1	36.6	22.7	0.0	57.0	57.4	74.0	17.0	16.6

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

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
	[MHz]	HOR [dBuV/m]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	42.1	36.2	23.0	36.9	4.4	0.0	32.6	26.7	54.0	21.4	27.3
2	4874.0	31.0	31.1	35.7	36.1	9.5	1.0	41.1	41.2	54.0	12.9	12.8
3	7311.0	30.4	30.3	38.1	35.6	12.0	0.5	45.4	45.3	54.0	8.6	8.7
4	9748.0	30.9	30.9	37.3	36.3	14.0	0.5	46.4	46.4	54.0	7.6	7.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12185.0	29.4	29.4	41.4	35.6	15.6	0.0	41.3	41.3	54.0	12.7	12.7
6	14622.0	28.0	28.0	41.5	34.8	16.8	0.0	42.0	42.0	54.0	12.0	12.0
7	17059.0	30.8	30.8	46.4	35.4	18.8	0.0	51.1	51.1	54.0	2.9	2.9
8	19496.0	29.1	29.0	39.2	34.9	20.6	0.0	44.5	44.4	54.0	9.5	9.6
9	21933.0	32.7	32.7	40.5	35.0	22.3	0.0	51.0	51.0	54.0	3.0	3.0
10	24370.0	29.0	29.0	40.1	36.6	22.7	0.0	45.7	45.7	54.0	8.3	8.3

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.

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MF060b(10.04.03)

Spurious Emission (Radiated:LAN-11g,Tx2462MHz) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11g, 54Mbps, PN9, Tx2462MHz

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/2004
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 % , 60% and 60%
ENGINEER : Hiroka Umeyama

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

PK DETECT (RDF, LmHz, VDF, VmHz)												
No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dB]	[dB]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	56.8	50.5	23.0	36.9	4.4	0.0	47.3	41.0	74.0	26.7	33.0
2	2483.5	61.9	60.5	31.0	36.2	6.5	0.0	63.2	61.8	74.0	10.8	12.2
3	4924.0	42.7	42.5	35.9	36.1	9.5	1.0	53.0	52.8	74.0	21.0	21.2
4	7386.0	42.3	42.5	38.3	35.7	12.0	0.5	57.4	57.6	74.0	16.6	16.4
5	9848.0	43.3	43.2	37.1	36.3	14.0	0.5	58.6	58.5	74.0	15.4	15.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12310.0	40.6	41.2	41.7	35.6	15.6	0.0	52.8	53.4	74.0	21.2	20.6
7	14772.0	39.3	39.8	42.1	34.9	16.9	0.0	53.9	54.4	74.0	20.1	19.6
8	17234.0	43.0	41.8	46.7	35.3	18.9	0.0	63.8	62.6	74.0	10.2	11.4
9	19696.0	39.4	41.6	39.6	35.2	20.7	0.0	55.0	57.2	74.0	19.0	16.8
10	22158.0	41.4	42.0	40.6	35.0	22.3	0.0	59.8	60.4	74.0	14.2	13.6
11	24620.0	40.1	40.0	40.2	36.8	22.9	0.0	56.9	56.8	74.0	17.1	17.2

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	42.2	37.0	23.0	36.9	4.4	0.0	32.7	27.5	54.0	21.3	26.5
2	2483.5	43.6	43.9	31.0	36.2	6.5	0.0	44.9	45.2	54.0	9.1	8.8
3	4924.0	30.9	30.9	35.9	36.1	9.5	1.0	41.2	41.2	54.0	12.8	12.8
4	7386.0	30.4	30.5	38.3	35.7	12.0	0.5	45.5	45.6	54.0	8.5	8.4
5	9848.0	31.1	31.2	37.1	36.3	14.0	0.5	46.4	46.5	54.0	7.6	7.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12310.0	29.2	29.3	41.7	35.6	15.6	0.0	41.4	41.5	54.0	12.6	12.5
7	14772.0	28.7	28.7	42.1	34.9	16.9	0.0	43.3	43.3	54.0	10.7	10.7
8	17234.0	30.7	30.8	46.7	35.3	18.9	0.0	51.5	51.6	54.0	2.5	2.4
9	19696.0	29.0	29.0	39.6	35.2	20.7	0.0	44.6	44.6	54.0	9.4	9.4
10	22158.0	30.7	30.1	40.6	35.0	22.3	0.0	49.1	48.5	54.0	4.9	5.5
11	24620.0	29.5	29.5	40.2	36.8	22.9	0.0	46.3	46.3	54.0	7.7	7.7

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.

Test report No. : 25BE0202-HO-1
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Spurious Emission (Reciever,Tx2402) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : Receiver, Tx2402MHz

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/2004
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 % , 60% and 60%
ENGINEER : Hiroka Umeyama

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV/m]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	54.8	51.3	23.0	36.9	4.4	0.0	45.3	41.8	74.0	28.7	32.2
2	2390.0	45.1	42.9	30.8	36.3	6.4	0.0	46.0	43.8	74.0	28.0	30.2
3	4804.0	43.8	43.2	35.3	36.1	9.3	1.0	53.3	52.7	74.0	20.7	21.3
4	7206.0	44.9	43.1	37.9	35.6	11.8	0.5	59.5	57.7	74.0	14.5	16.3
5	9608.0	42.6	42.9	37.6	36.3	13.9	0.5	58.3	58.6	74.0	15.7	15.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12010.0	41.1	41.0	41.0	35.7	15.5	0.0	52.4	52.3	74.0	21.6	21.7
7	14412.0	40.4	39.6	41.1	34.6	16.6	0.0	54.0	53.2	74.0	20.0	20.8
8	16814.0	42.3	42.4	45.9	35.6	18.6	0.0	61.7	61.8	74.0	12.3	12.2
9	19216.0	39.1	39.4	39.7	34.9	20.3	0.0	54.7	55.0	74.0	19.3	19.0
10	21618.0	40.1	40.3	40.8	35.4	22.1	0.0	58.1	58.3	74.0	15.9	15.7
11	24020.0	37.8	38.6	39.9	35.8	22.6	0.0	55.0	55.8	74.0	19.0	18.2

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV/m]	[dBuV/m]					[dB]	[dB]		[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	40.0	36.6	23.0	36.9	4.4	0.0	30.5	27.1	54.0	23.5	26.9
2	2390.0	34.7	33.0	30.8	36.3	6.4	0.0	35.6	33.9	54.0	18.4	20.1
3	4804.0	31.4	31.6	35.3	36.1	9.3	1.0	40.9	41.1	54.0	13.1	12.9
4	7206.0	32.4	30.4	37.9	35.6	11.8	0.5	47.0	45.0	54.0	7.0	9.0
5	9608.0	31.0	30.9	37.6	36.3	13.9	0.5	46.7	46.6	54.0	7.3	7.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12010.0	29.3	29.2	41.0	35.7	15.5	0.0	40.6	40.5	54.0	13.4	13.5
7	14412.0	28.1	28.1	41.1	34.6	16.6	0.0	41.7	41.7	54.0	12.3	12.3
8	16814.0	30.6	30.6	45.9	35.6	18.6	0.0	50.0	50.0	54.0	4.0	4.0
9	19216.0	29.9	29.9	39.7	34.9	20.3	0.0	45.5	45.5	54.0	8.5	8.5
10	21618.0	30.3	30.3	40.8	35.4	22.1	0.0	48.3	48.3	54.0	5.7	5.7
11	24020.0	29.1	29.1	39.9	35.8	22.6	0.0	46.3	46.3	54.0	7.7	7.7

20dBc(Fundamental 2402MHz) (RBW: 100kHz , VBW:300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER [dBuV/m]					HOR [dBuV/m]	VER [dB]			
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2402.0	101.7	98.2	30.8	36.3	6.5	0.0	102.7	99.2	-	-	-
2	2400.0	53.8	47.4	30.8	36.3	6.5	0.0	54.8	48.4	Funda-20dB	27.9	30.8

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.

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Spurious Emission (Reciever,Tx2440) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : Receiver, Tx2440MHz

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/2004
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 % , 60% and 60%
ENGINEER : Hiroka Umeyama

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

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					[dBuV/m]	HOR		VER	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	56.2	51.2	20.3	36.9	4.4	0.0	44.0	39.0	74.0	30.0	35.0
2	4880.0	43.7	43.7	35.7	36.1	9.5	1.0	53.8	53.8	74.0	20.2	20.2
3	7320.0	44.0	43.2	38.2	35.7	12.0	0.5	59.0	58.2	74.0	15.0	15.8
4	9760.0	43.4	43.4	37.3	36.3	14.0	0.5	58.9	58.9	74.0	15.1	15.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12200.0	40.7	40.2	41.4	35.6	15.6	0.0	52.6	52.1	74.0	21.4	21.9
6	14640.0	39.0	38.4	41.6	34.8	16.8	0.0	53.1	52.5	74.0	20.9	21.5
7	17080.0	42.1	42.0	46.4	35.4	18.8	0.0	62.4	62.3	74.0	11.6	11.7
8	19520.0	42.7	41.5	39.2	35.0	20.6	0.0	58.0	56.8	74.0	16.0	17.2
9	21960.0	44.6	44.1	40.4	35.0	22.3	0.0	62.8	62.3	74.0	11.2	11.7
10	24400.0	41.5	41.8	40.1	36.6	22.7	0.0	58.2	58.5	74.0	15.8	15.5

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

No.	FREQ	S/A READING		ANT	AMP	CABLE	Band-Pass	RESULT		Limit	MARGIN	
	[MHz]	HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	AV	HOR	VER
		[dBuV/m]	[dBuV/m]	[dB/m]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	41.2	37.2	20.3	36.9	4.4	0.0	29.0	25.0	54.0	25.0	29.0
2	4880.0	31.1	31.1	35.7	36.1	9.5	1.0	41.2	41.2	54.0	12.8	12.8
3	7320.0	31.0	30.2	38.2	35.7	12.0	0.5	46.0	45.2	54.0	8.0	8.8
4	9760.0	31.0	31.1	37.3	36.3	14.0	0.5	46.5	46.6	54.0	7.5	7.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
5	12200.0	29.3	29.2	41.4	35.6	15.6	0.0	41.2	41.1	54.0	12.8	12.9
6	14640.0	28.0	28.0	41.6	34.8	16.8	0.0	42.1	42.1	54.0	11.9	11.9
7	17080.0	30.8	30.8	46.4	35.4	18.8	0.0	51.1	51.1	54.0	2.9	2.9
8	19520.0	28.9	29.0	39.2	35.0	20.6	0.0	44.2	44.3	54.0	9.8	9.7
9	21960.0	31.9	31.9	40.4	35.0	22.3	0.0	50.1	50.1	54.0	3.9	3.9
10	24400.0	29.1	29.1	40.1	36.6	22.7	0.0	45.8	45.8	54.0	8.2	8.2

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.

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Spurious Emission (Reciever,Tx2479) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : Receiver, Tx2479MHz

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/2004
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 % , 60% and 60%
ENGINEER : Hiroka Umeyama

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

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
	[MHz]	HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dB]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	54.7	50.9	23.0	36.9	4.4	0.0	45.2	41.4	74.0	28.8	32.6
2	2483.5	55.3	52.3	31.0	36.2	6.5	1.0	57.6	54.6	74.0	16.4	19.4
3	4958.0	43.7	43.5	36.1	36.1	9.5	1.0	54.2	54.0	74.0	19.8	20.0
4	7437.0	43.4	42.9	38.4	35.7	12.0	0.5	58.6	58.1	74.0	15.4	15.9
5	9916.0	43.6	43.9	37.0	36.3	14.1	0.5	58.9	59.2	74.0	15.1	14.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12395.0	40.7	41.4	41.9	35.5	15.7	0.0	53.3	54.0	74.0	20.7	20.0
7	14874.0	40.4	41.3	42.6	35.0	17.1	0.0	55.6	56.5	74.0	18.4	17.5
8	17353.0	42.0	42.6	46.9	35.2	19.0	0.0	63.2	63.8	74.0	10.8	10.2
9	19832.0	41.5	40.4	39.9	35.3	20.8	0.0	57.4	56.3	74.0	16.6	17.7
10	22311.0	44.5	45.0	40.7	35.1	22.4	0.0	63.0	63.5	74.0	11.0	10.5
11	24790.0	42.0	41.6	40.2	36.7	22.9	0.0	58.9	58.5	74.0	15.1	15.5

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

No.	FREQ [MHz]	S/A READING HOR VER [dBuV/m]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	1194.5	40.9	37.5	23.0	36.9	4.4	0.0	31.4	28.0	54.0	22.6	26.0
2	2483.5	47.7	47.0	31.0	36.2	6.5	1.0	50.0	49.3	54.0	4.0	4.7
3	4958.0	31.3	31.0	36.1	36.1	9.5	1.0	41.8	41.5	54.0	12.2	12.5
4	7437.0	31.5	30.4	38.4	35.7	12.0	0.5	46.7	45.6	54.0	7.3	8.4
5	9916.0	31.6	31.6	37.0	36.3	14.1	0.5	46.9	46.9	54.0	7.1	7.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
6	12395.0	29.3	29.4	41.9	35.5	15.7	0.0	41.9	42.0	54.0	12.1	12.0
7	14874.0	28.7	28.7	42.6	35.0	17.1	0.0	43.9	43.9	54.0	10.1	10.1
8	17353.0	30.4	30.4	46.9	35.2	19.0	0.0	51.6	51.6	54.0	2.4	2.4
9	19832.0	28.6	28.6	39.9	35.3	20.8	0.0	44.5	44.5	54.0	9.5	9.5
10	22311.0	31.6	31.7	40.7	35.1	22.4	0.0	50.1	50.2	54.0	3.9	3.8
11	24790.0	29.5	29.4	40.2	36.7	22.9	0.0	46.4	46.3	54.0	7.6	7.7

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.

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Test report No. : 25BE0202-HO-1
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Revised date : October 26, 2004
FCC ID : AK8PCVE21L

Spurious Emission (Radiated:LAN-11b,Tx2412MHz(Worst)+Reciever,Tx2402) above 1GHz

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11b, 11Mbps, PN9, Tx2412MHz(Worst)
+ Receiver, Tx2402MHz
+ Keyboard and Mouse, Tx2402MHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber
Head Office EMC Lab. No.2 Semi Anechoic Chamber (above 10GHz)
REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 10/01/2004, 10/11/2004 and 10/12/2004
TEMPERATURE : 24 deg.C, 25deg.C and 25deg.C
HUMIDITY : 58 % , 60% and 60%
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]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1194.5	45.2	46.7	23.0	36.9	3.8	0.0	35.1	36.6	74.0	38.9	37.4
1	2390.0	55.8	58.2	30.7	36.3	5.6	0.0	55.8	58.2	74.0	18.2	15.8
2	4804.0	49.6	46.1	35.1	36.1	8.0	1.0	57.6	54.1	74.0	16.4	19.9
3	4824.0	44.2	44.0	35.2	36.1	8.0	1.0	52.3	52.1	74.0	21.7	21.9
4	7206.0	44.0	45.2	37.6	35.6	10.1	0.5	56.6	57.8	74.0	17.4	16.2
5	7236.0	44.1	44.3	37.7	35.6	10.1	0.5	56.8	57.0	74.0	17.2	17.0
6	9608.0	44.7	44.4	37.1	36.3	11.9	0.5	57.9	57.6	74.0	16.1	16.4
7	9648.0	43.7	44.5	37.1	36.3	11.9	0.5	56.9	57.7	74.0	17.1	16.3
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12010.0	40.4	40.1	41.0	35.7	15.5	0.0	51.7	51.4	74.0	22.3	22.6
9	12060.0	40.6	41.0	41.1	35.7	15.5	0.0	52.0	52.4	74.0	22.0	21.6
10	14412.0	39.8	39.4	41.1	34.6	16.6	0.0	53.4	53.0	74.0	20.6	21.0
11	14472.0	38.9	39.5	41.0	34.6	16.6	0.0	52.4	53.0	74.0	21.6	21.0
12	16814.0	42.8	41.9	45.9	35.6	18.6	0.0	62.2	61.3	74.0	11.8	12.7
13	16884.0	42.1	42.0	46.0	35.5	18.6	0.0	61.7	61.6	74.0	12.3	12.4
14	19216.0	42.4	42.3	39.7	34.9	20.3	0.0	58.0	57.9	74.0	16.0	16.1
15	19296.0	43.3	41.8	39.6	34.9	20.4	0.0	58.9	57.4	74.0	15.1	16.6
16	21618.0	43.2	42.3	40.8	35.4	22.1	0.0	61.2	60.3	74.0	12.8	13.7
17	21708.0	42.8	44.0	40.7	35.3	22.1	0.0	60.8	62.0	74.0	13.2	12.0
18	24020.0	42.0	41.2	39.9	35.8	22.6	0.0	59.2	58.4	74.0	14.8	15.6
19	24120.0	42.0	42.2	40.0	36.0	22.6	0.0	59.1	59.3	74.0	14.9	14.7

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dB]	VER [dB]			
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1194.5	32.3	32.6	23.0	36.9	3.8	0.0	22.2	22.5	54.0	31.8	31.5
1	2390.0	43.3	47.2	30.7	36.3	5.6	0.0	43.3	47.2	54.0	10.7	6.8
2	4804.0	32.1	30.9	35.1	36.1	8.0	1.0	40.1	38.9	54.0	13.9	15.1
3	4824.0	30.4	30.7	35.2	36.1	8.0	1.0	38.5	38.8	54.0	15.5	15.2
4	7206.0	31.0	30.8	37.6	35.6	10.1	0.5	43.6	43.4	54.0	10.4	10.6
5	7236.0	30.9	30.9	37.7	35.6	10.1	0.5	43.6	43.6	54.0	10.4	10.4
6	9608.0	31.1	31.4	37.1	36.3	11.9	0.5	44.3	44.6	54.0	9.7	9.4
7	9648.0	31.1	31.2	37.1	36.3	11.9	0.5	44.3	44.4	54.0	9.7	9.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12010.0	29.2	29.1	41.0	35.7	15.5	0.0	40.5	40.4	54.0	13.5	13.6
9	12060.0	29.4	29.3	41.1	35.7	15.5	0.0	40.8	40.7	54.0	13.2	13.3
10	14412.0	28.0	28.0	41.1	34.6	16.6	0.0	41.6	41.6	54.0	12.4	12.4
11	14472.0	28.1	28.0	41.0	34.6	16.6	0.0	41.6	41.5	54.0	12.4	12.5
12	16814.0	30.4	30.4	45.9	35.6	18.6	0.0	49.8	49.8	54.0	4.2	4.2
13	16884.0	30.4	30.4	46.0	35.5	18.6	0.0	50.0	50.0	54.0	4.0	4.0
14	19216.0	30.0	29.9	39.7	34.9	20.3	0.0	45.6	45.5	54.0	8.4	8.5
15	19296.0	29.6	31.7	39.6	34.9	20.4	0.0	45.2	47.3	54.0	8.8	6.7
16	21618.0	30.3	30.3	40.8	35.4	22.1	0.0	48.3	48.3	54.0	5.7	5.7
17	21708.0	30.8	30.8	40.7	35.3	22.1	0.0	48.8	48.8	54.0	5.2	5.2
18	24020.0	29.1	29.1	39.9	35.8	22.6	0.0	46.3	46.3	54.0	7.7	7.7
19	24120.0	29.7	29.7	40.0	36.0	22.6	0.0	46.8	46.8	54.0	7.2	7.2

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.

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER [dBuV/m]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2412.0	85.2	86.2	30.8	36.3	6.5	0.0	86.2	87.2	-	-	-
2	2400.0	60.3	60.1	30.8	36.3	6.5	0.0	61.3	61.1	Funda-20dB	4.9	6.1

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Test report No. : 25BE0202-HO-1
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FCC ID : AK8PCVE21L

Spurious Emission (Radiated:LAN-11b,Tx2412MHz(Worst))+Reciever,Tx2440) above 1GHz

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11b, 11Mbps, PN9, Tx2412MHz(Worst)
+ Receiver Tx2440MHz
+ Keyboard Tx2440MHz and Mouse Tx2445MHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber
Head Office EMC Lab. No.2 Semi Anechoic Chamber (above 10GHz)
REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 10/01/2004, 10/11/2004 and 10/12/2004
TEMPERATURE : 24 deg.C, 25deg.C and 25deg.C
HUMIDITY : 58 % , 60% and 60%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW:1MHz , VBW:1MHz)												
No.	FREQ [MHz]	S/A READING HOR VER [dBuV/m]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1192.4	45.4	46.8	23.0	36.9	3.8	0.0	35.3	36.7	74.0	38.7	37.3
1	2390.0	55.4	58.1	30.7	36.3	5.6	0.0	55.4	58.1	74.0	18.6	15.9
2	4824.0	45.7	44.0	35.2	36.1	8.0	1.0	53.8	52.1	74.0	20.2	21.9
3	4880.0	44.4	43.3	35.4	36.1	8.0	1.0	52.7	51.6	74.0	21.3	22.4
4	4890.0	47.1	50.7	35.5	36.1	8.0	1.0	55.5	59.1	74.0	18.5	14.9
5	7236.0	43.6	44.1	37.7	35.6	10.1	0.5	56.3	56.8	74.0	17.7	17.2
6	7320.0	44.5	43.6	37.9	35.7	10.2	0.5	57.4	56.5	74.0	16.6	17.5
7	7335.0	44.3	44.5	38.0	35.7	10.2	0.5	57.3	57.5	74.0	16.7	16.5
8	9648.0	43.9	44.2	37.1	36.3	11.9	0.5	57.1	57.4	74.0	16.9	16.6
9	9760.0	44.0	43.5	37.0	36.3	12.0	0.5	57.2	56.7	74.0	16.8	17.3
10	9780.0	44.4	44.4	37.0	36.3	12.0	0.5	57.6	57.6	74.0	16.4	16.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
11	12200.0	40.8	40.7	41.4	35.6	15.6	0.0	52.7	52.6	74.0	21.3	21.4
12	12060.0	40.6	41.0	41.1	35.7	15.5	0.0	52.0	52.4	74.0	22.0	21.6
13	14640.0	38.7	39.3	41.6	34.8	16.8	0.0	52.8	53.4	74.0	21.2	20.6
14	14472.0	38.9	38.5	41.0	34.6	16.6	0.0	52.4	52.0	74.0	21.6	22.0
15	16884.0	42.1	42.2	45.9	35.6	18.6	0.0	61.5	61.6	74.0	12.5	12.4
16	17080.0	42.3	42.4	46.4	35.4	18.8	0.0	62.6	62.7	74.0	11.4	11.3
17	19520.0	41.2	41.7	39.2	35.0	20.6	0.0	56.5	57.0	74.0	17.5	17.0
18	19296.0	42.4	42.1	39.6	34.9	20.4	0.0	58.0	57.7	74.0	16.0	16.3
19	21960.0	44.1	43.8	40.4	35.0	22.3	0.0	62.3	62.0	74.0	11.7	12.0
20	21708.0	43.6	43.5	40.7	35.3	22.1	0.0	61.6	61.5	74.0	12.4	12.5
21	24400.0	40.9	41.0	40.1	36.6	22.7	0.0	57.6	57.7	74.0	16.4	16.3
22	24120.0	41.6	42.2	40.0	36.0	22.6	0.0	58.7	59.3	74.0	15.3	14.7

AV DETECT (RBW: 1MHz , VBW:10Hz)												
No.	FREQ [MHz]	S/A READING HOR VER [dBuV/m]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1192.4	32.6	32.7	23.0	36.9	3.8	0.0	22.5	22.6	54.0	31.5	31.4
1	2390.0	43.1	47.1	30.7	36.3	5.6	0.0	43.1	47.1	54.0	10.9	6.9
2	4824.0	30.7	30.4	35.2	36.1	8.0	1.0	38.8	38.5	54.0	15.2	15.5
3	4880.0	30.6	30.3	35.4	36.1	8.0	1.0	38.9	38.6	54.0	15.1	15.4
4	4890.0	31.7	32.9	35.5	36.1	8.0	1.0	40.1	41.3	54.0	13.9	12.7
5	7236.0	30.9	30.8	37.7	35.6	10.1	0.5	43.6	43.5	54.0	10.4	10.5
6	7320.0	31.0	31.0	37.9	35.7	10.2	0.5	43.9	43.9	54.0	10.1	10.1
7	7335.0	30.9	31.0	38.0	35.7	10.2	0.5	43.9	44.0	54.0	10.1	10.0
8	9648.0	31.1	31.1	37.1	36.3	11.9	0.5	44.3	44.3	54.0	9.7	9.7
9	9760.0	31.2	30.7	37.0	36.3	12.0	0.5	44.4	43.9	54.0	9.6	10.1
10	9780.0	30.8	30.8	37.0	36.3	12.0	0.5	44.0	44.0	54.0	10.0	10.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
11	12200.0	29.2	29.1	41.4	35.6	15.6	0.0	41.1	41.0	54.0	12.9	13.0
12	12060.0	29.5	29.4	41.1	35.7	15.5	0.0	40.9	40.8	54.0	13.1	13.2
13	14640.0	27.9	27.9	41.6	34.8	16.8	0.0	42.0	42.0	54.0	12.0	12.0
14	14472.0	28.0	28.1	41.0	34.6	16.6	0.0	41.5	41.6	54.0	12.5	12.4
15	16884.0	30.4	30.4	45.9	35.6	18.6	0.0	49.8	49.8	54.0	4.2	4.2
16	17080.0	30.7	30.7	46.4	35.4	18.8	0.0	51.0	51.0	54.0	3.0	3.0
17	19520.0	29.1	29.0	39.2	35.0	20.6	0.0	44.4	44.3	54.0	9.6	9.7
18	19296.0	29.6	29.6	39.6	34.9	20.4	0.0	45.2	45.2	54.0	8.8	8.8
19	21960.0	31.9	31.9	40.4	35.0	22.3	0.0	50.1	50.1	54.0	3.9	3.9
20	21708.0	30.8	30.9	40.7	35.3	22.1	0.0	48.8	48.9	54.0	5.2	5.1
21	24400.0	29.1	29.1	40.1	36.6	22.7	0.0	45.8	45.8	54.0	8.2	8.2
22	24120.0	29.7	29.7	40.0	36.0	22.6	0.0	46.8	46.8	54.0	7.2	7.2

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.

20dBc(Fundamental 2412MHz)													(RBW: 100kHz , VBW:300kHz)					
No.	FREQ [MHz]	S/A READING HOR VER [dBuV/m]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit 20dBc [dBuV/m]	MARGIN HOR VER [dB]							
Test distance 3meters													RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass					
1	2412.0	85.2	86.2	30.8	36.3	6.5	0.0	86.2	87.2	-	-	-						
2	2400.0	59.8	60.0	30.8	36.3	6.5	0.0	60.8	61.0	Funda-20dB	5.4	6.2						

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FCC ID : AK8PCVE21L

Spurious Emission (Radiated:LAN-11b,Tx2412MHz(Worst)+Reciever,Tx2479) above 1GHz

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11b, 11Mbps, PN9, Tx2412MHz(Worst)
+ Receiver, Tx2479MHz
+ Keyboard and Mouse, Tx2479MHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber
Head Office EMC Lab. No.2 Semi Anechoic Chamber (above 1G)
REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 10/01/2004, 10/11/2004 and 10/12/2
TEMPERATURE : 24 deg.C, 25deg.C and 25deg.C
HUMIDITY : 58 %, 60% and 60%
ENGINEER : Hiroka Umeyama

PK DETECT (RBW: 1MHz, VBW:1MHz)												
No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
	[MHz]	HOR [dBuV/m]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1192.4	46.4	46.3	23.0	36.9	3.8	0.0	36.3	36.2	74.0	37.7	37.8
1	2390.0	55.2	57.9	30.7	36.3	5.6	0.0	55.2	57.9	74.0	18.8	16.1
2	2483.5	58.6	60.8	30.8	36.2	5.6	0.0	58.8	61.0	74.0	15.2	13.0
3	4824.0	43.8	44.3	35.2	36.1	8.0	1.0	51.9	52.4	74.0	22.1	21.6
4	4958.0	49.5	45.9	35.8	36.1	8.2	1.0	58.4	54.8	74.0	15.6	19.2
5	7236.0	44.4	43.9	37.7	35.6	10.1	0.5	57.1	56.6	74.0	16.9	17.4
6	7437.0	44.7	44.6	38.2	35.7	10.3	0.5	58.0	57.9	74.0	16.0	16.1
7	9648.0	43.9	44.3	37.1	36.3	11.9	0.5	57.1	57.5	74.0	16.9	16.5
8	9916.0	44.0	44.1	37.0	36.3	12.1	0.5	57.3	57.4	74.0	16.7	16.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
9	12395.0	40.8	41.2	41.9	35.5	15.7	0.0	53.4	53.8	74.0	20.6	20.2
10	12060.0	40.6	40.9	41.1	35.7	15.5	0.0	52.0	52.3	74.0	22.0	21.7
11	14874.0	40.5	41.4	42.6	35.0	17.1	0.0	55.7	56.6	74.0	18.3	17.4
12	14472.0	38.8	38.5	41.0	34.6	16.6	0.0	52.3	52.0	74.0	21.7	22.0
13	16884.0	42.1	42.2	46.0	35.5	18.6	0.0	61.7	61.8	74.0	12.3	12.2
14	17353.0	42.1	42.5	46.9	35.2	19.0	0.0	63.3	63.7	74.0	10.7	10.3
15	19832.0	41.5	41.4	39.9	35.3	20.8	0.0	57.4	57.3	74.0	16.6	16.7
16	19296.0	42.7	42.1	39.6	34.9	20.4	0.0	58.3	57.7	74.0	15.7	16.3
17	22311.0	44.1	44.0	40.7	35.1	22.4	0.0	62.6	62.5	74.0	11.4	11.5
18	21708.0	43.2	43.0	40.7	35.3	22.1	0.0	61.2	61.0	74.0	12.8	13.0
19	24790.0	42.0	42.2	40.2	36.7	22.9	0.0	58.9	59.1	74.0	15.1	14.9
20	24120.0	41.9	42.0	40.0	36.0	22.6	0.0	59.0	59.1	74.0	15.0	14.9

AV DETECT (RBW: 1MHz, VBW: 10Hz)												
No.	FREQ [MHz]	S/A READING HOR [dBuV/m] VER [dBuV/m]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR [dBuV/m] VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR [dB] VER [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass										
0	1192.4	32.6	32.6	23.0	36.9	3.8	0.0	22.5	22.5	54.0	31.5	31.5
1	2390.0	42.8	46.8	30.7	36.3	5.6	0.0	42.8	46.8	54.0	11.2	7.2
2	2483.5	47.2	49.4	30.8	36.2	5.6	0.0	47.4	49.6	54.0	6.6	4.4
3	4824.0	30.3	30.3	35.2	36.1	8.0	1.0	38.4	38.4	54.0	15.6	15.6
4	4958.0	31.3	31.2	35.8	36.1	8.2	1.0	40.2	40.1	54.0	13.8	13.9
5	7236.0	30.8	30.8	37.7	35.6	10.1	0.5	43.5	43.5	54.0	10.5	10.5
6	7437.0	31.5	31.3	38.2	35.7	10.3	0.5	44.8	44.6	54.0	9.2	9.4
7	9648.0	30.9	31.0	37.1	36.3	11.9	0.5	44.1	44.2	54.0	9.9	9.8
8	9916.0	30.6	31.0	37.0	36.3	12.1	0.5	43.9	44.3	54.0	10.1	9.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
9	12395.0	29.3	29.4	41.9	35.5	15.7	0.0	41.9	42.0	54.0	12.1	12.0
10	12060.0	29.4	29.2	41.1	35.7	15.5	0.0	40.8	40.6	54.0	13.2	13.4
11	14874.0	28.7	28.7	42.6	35.0	17.1	0.0	43.9	43.9	54.0	10.1	10.1
12	14472.0	28.1	28.2	41.0	34.6	16.6	0.0	41.6	41.7	54.0	12.4	12.3
13	16884.0	30.4	30.4	46.0	35.5	18.6	0.0	50.0	50.0	54.0	4.0	4.0
14	17353.0	30.4	30.4	46.9	35.2	19.0	0.0	51.6	51.6	54.0	2.4	2.4
15	19832.0	28.6	28.6	39.9	35.3	20.8	0.0	44.5	44.5	54.0	9.5	9.5
16	19296.0	29.7	29.6	39.6	34.9	20.4	0.0	45.3	45.2	54.0	8.7	8.8
17	22311.0	31.7	31.7	40.7	35.1	22.4	0.0	50.2	50.2	54.0	3.8	3.8
18	21708.0	30.9	30.9	40.7	35.3	22.1	0.0	48.9	48.9	54.0	5.1	5.1
19	24790.0	29.5	29.5	40.2	36.7	22.9	0.0	46.4	46.4	54.0	7.6	7.6
20	24120.0	29.6	29.7	40.0	36.0	22.6	0.0	46.7	46.8	54.0	7.3	7.2

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.

20dBc(Fundamental 2412MHz) (RBW: 100kHz , VBW:300kHz)												
No.	FREQ [MHz]	S/A READING HOR VER [dBuV/m]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit 20dBc [dBuV/m]	MARGIN HOR VER [dB]	
		Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass										
1	2412.0	85.2	86.2	30.8	36.3	6.5	0.0	86.2	87.2	-	-	-
2	2400.0	60.1	60.4	30.8	36.3	6.5	0.0	61.1	61.4	Funda-20dB	5.1	5.8

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MF060b(10.04.03)

Test report No. : 25BE0202-HO-1
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Revised date : October 26, 2004
FCC ID : AK8PCVE21L

Spurious Emission (Radiated:LAN-11g,Tx2412MHz(Worst)+Reciever,Tx2402) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11g, 54Mbps, PN9, Tx2412MHz(Worst)
+ Receiver, Tx2402MHz
+ Keyboard and Mouse, Tx2402MHz

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/20
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 % , 60% and 60%
ENGINEER : Hiroka Uneyama

PK DETECT

(RBW: 1MHz , VBW:1MHz)

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
	[MHz]	HOR [dBuV/m]	VER [dBuV/m]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1194.5	52.6	50.5	23.0	36.9	4.4	0.0	43.1	41.0	74.0	30.9	33.0
1	2390.0	52.1	53.4	30.8	36.3	6.4	0.0	53.0	54.3	74.0	21.0	19.7
2	4804.0	47.6	45.5	35.3	36.1	9.3	1.0	57.1	55.0	74.0	16.9	19.0
3	4824.0	43.3	43.7	35.4	36.1	9.3	1.0	52.9	53.3	74.0	21.1	20.7
4	7206.0	43.7	43.2	37.9	35.6	11.8	0.5	58.3	57.8	74.0	15.7	16.2
5	7236.0	42.8	42.8	38.0	35.6	11.8	0.5	57.5	57.5	74.0	16.5	16.5
6	9648.0	42.9	43.0	37.5	36.3	13.9	0.5	58.5	58.6	74.0	15.5	15.4
7	9760.0	43.9	42.9	37.3	36.3	14.0	0.5	59.4	58.4	74.0	14.6	15.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12010.0	41.1	41.1	41.0	35.7	15.5	0.0	52.4	52.4	74.0	21.6	21.6
9	12060.0	40.7	40.9	41.1	35.7	15.5	0.0	52.1	52.3	74.0	21.9	21.7
10	14412.0	40.5	40.2	41.1	34.6	16.6	0.0	54.1	53.8	74.0	19.9	20.2
11	14472.0	39.3	40.1	41.0	34.6	16.6	0.0	52.8	53.6	74.0	21.2	20.4
12	16814.0	42.3	42.3	45.9	35.6	18.6	0.0	61.7	61.7	74.0	12.3	12.3
13	16884.0	41.7	42.0	46.0	35.5	18.6	0.0	61.3	61.6	74.0	12.7	12.4
14	19216.0	42.5	42.8	39.7	34.9	20.3	0.0	58.1	58.4	74.0	15.9	15.6
15	19296.0	42.3	42.2	39.6	34.9	20.4	0.0	57.9	57.8	74.0	16.1	16.2
16	21618.0	43.1	42.5	40.8	35.4	22.1	0.0	61.1	60.5	74.0	12.9	13.5
17	21708.0	44.2	43.6	40.7	35.3	22.1	0.0	62.2	61.6	74.0	11.8	12.4
18	24020.0	41.1	41.4	39.9	35.8	22.6	0.0	58.3	58.6	74.0	15.7	15.4
19	24120.0	42.3	41.7	40.0	36.0	22.6	0.0	59.4	58.8	74.0	14.6	15.2

AV DETECT

(RBW: 1MHz , VBW:10Hz)

No.	FREQ	S/A READING		ANT Factor	AMP GAIN	CABLE LOSS	Band-Pass Filter	RESULT		Limit AV	MARGIN	
	[MHz]	HOR [dBuV/m]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1194.5	38.7	35.4	23.0	36.9	4.4	0.0	29.2	25.9	54.0	24.8	28.1
1	2390.0	37.3	37.4	30.8	36.3	6.4	0.0	38.2	38.3	54.0	15.8	15.7
2	4804.0	32.3	32.5	35.3	36.1	9.3	1.0	41.8	42.0	54.0	12.2	12.0
3	4824.0	31.2	31.2	35.4	36.1	9.3	1.0	40.8	40.8	54.0	13.2	13.2
4	7206.0	32.5	30.9	37.9	35.6	11.8	0.5	47.1	45.5	54.0	6.9	8.5
5	7236.0	30.1	30.2	38.0	35.6	11.8	0.5	44.8	44.9	54.0	9.2	9.1
6	9648.0	30.7	30.7	37.5	36.3	13.9	0.5	46.3	46.3	54.0	7.7	7.7
7	9760.0	30.7	30.7	37.3	36.3	14.0	0.5	46.2	46.2	54.0	7.8	7.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
8	12010.0	29.3	29.3	41.0	35.7	15.5	0.0	40.6	40.6	54.0	13.4	13.4
9	12060.0	29.5	29.6	41.1	35.7	15.5	0.0	40.9	41.0	54.0	13.1	13.0
10	14412.0	28.1	28.3	41.1	34.6	16.6	0.0	41.7	41.9	54.0	12.3	12.1
11	14472.0	28.4	28.4	41.0	34.6	16.6	0.0	41.9	41.9	54.0	12.1	12.1
12	16814.0	30.6	30.5	45.9	35.6	18.6	0.0	50.0	49.9	54.0	4.0	4.1
13	16884.0	30.7	30.7	46.0	35.5	18.6	0.0	50.3	50.3	54.0	3.7	3.7
14	19216.0	29.9	29.9	39.7	34.9	20.3	0.0	45.5	45.5	54.0	8.5	8.5
15	19296.0	29.7	29.7	39.6	34.9	20.4	0.0	45.3	45.3	54.0	8.7	8.7
16	21618.0	30.4	30.4	40.8	35.4	22.1	0.0	48.4	48.4	54.0	5.6	5.6
17	21708.0	30.8	30.8	40.7	35.3	22.1	0.0	48.8	48.8	54.0	5.2	5.2
18	24020.0	29.1	29.1	39.9	35.8	22.6	0.0	46.3	46.3	54.0	7.7	7.7
19	24120.0	29.7	29.7	40.0	36.0	22.6	0.0	46.8	46.8	54.0	7.2	7.2

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.

20dBc(Fundamental 2412MHz)

(RBW: 100kHz , VBW:300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2412.0	80.1	80.3	30.8	36.3	6.5	0.0	81.1	81.3	-	-	-
2	2400.0	55.5	53.5	30.8	36.3	6.5	0.0	56.5	54.5	Funda-20dB	4.6	6.8

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MF060b(10.04.03)

Test report No. : 25BE0202-HO-1
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FCC ID : AK8PCVE21L

Spurious Emission (Radiated:LAN-11g,Tx2412MHz(Worst)+Reciever,Tx2440) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11g, 54Mbps, PN9, Tx2412MHz(Worst)
+ Receiver Tx2440MHz
+ Keyboard Tx2440MHz and Mouse Tx2445MHz
(RBW: 1MHz, VBW:1MHz)

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/20
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 %, 60% and 60%
ENGINEER : Hiroka Umeyama

PK DETECT

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
	[MHz]	HOR [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1194.5	55.5	51.2	23.0	36.9	4.4	0.0	46.0	41.7	74.0	28.0	32.3
1	2390.0	55.1	54.5	30.7	36.3	5.6	0.0	55.1	54.5	74.0	18.9	19.5
2	4824.0	42.3	45.7	35.2	36.1	8.0	1.0	50.4	53.8	74.0	23.6	20.2
3	4880.0	42.3	42.8	35.4	36.1	8.0	1.0	50.6	51.1	74.0	23.4	22.9
4	4890.0	43.0	44.1	35.5	36.1	8.0	1.0	51.4	52.5	74.0	22.6	21.5
5	7236.0	42.9	42.7	37.7	35.6	10.1	0.5	55.6	55.4	74.0	18.4	18.6
6	7320.0	43.0	43.0	37.9	35.7	10.2	0.5	55.9	55.9	74.0	18.1	18.1
7	7335.0	43.1	43.0	38.0	35.7	10.2	0.5	56.1	56.0	74.0	17.9	18.0
8	9648.0	43.5	43.6	37.1	36.3	11.9	0.5	56.7	56.8	74.0	17.3	17.2
9	9760.0	43.5	43.5	37.0	36.3	12.0	0.5	56.7	56.7	74.0	17.3	17.3
10	9780.0	43.4	43.4	37.0	36.3	12.0	0.5	56.6	56.6	74.0	17.4	17.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
11	12200.0	41.1	41.1	41.4	35.6	15.6	0.0	53.0	53.0	74.0	21.0	21.0
12	12060.0	40.5	40.8	41.1	35.7	15.5	0.0	51.9	52.2	74.0	22.1	21.8
13	14640.0	39.6	39.5	41.6	34.8	16.8	0.0	53.7	53.6	74.0	20.3	20.4
14	14472.0	40.1	40.3	41.0	34.6	16.6	0.0	53.6	53.8	74.0	20.4	20.2
15	16884.0	42.6	42.8	45.9	35.6	18.6	0.0	62.0	62.2	74.0	12.0	11.8
16	17080.0	42.0	42.1	46.4	35.4	18.8	0.0	62.3	62.4	74.0	11.7	11.6
17	19520.0	41.2	41.3	39.2	35.0	20.6	0.0	56.5	56.6	74.0	17.5	17.4
18	19296.0	41.7	42.4	39.6	34.9	20.4	0.0	57.3	58.0	74.0	16.7	16.0
19	21960.0	44.5	44.4	40.4	35.0	22.3	0.0	62.7	62.6	74.0	11.3	11.4
20	21708.0	43.3	43.8	40.7	35.3	22.1	0.0	61.3	61.8	74.0	12.7	12.2
21	24400.0	41.6	42.3	40.1	36.6	22.7	0.0	58.3	59.0	74.0	15.7	15.0
22	24120.0	42.3	42.3	40.0	36.0	22.6	0.0	59.4	59.4	74.0	14.6	14.6

AV DETECT

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER [dBuV/m]					HOR [dB]	VER [dB]			
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1194.5	42.7	36.7	23.0	36.9	4.4	0.0	33.2	27.2	54.0	20.8	26.8
1	2390.0	40.2	39.4	30.7	36.3	5.6	0.0	40.2	39.4	54.0	13.8	14.6
2	4824.0	31.1	31.4	35.2	36.1	8.0	1.0	39.2	39.5	54.0	14.8	14.5
3	4880.0	31.1	31.1	35.4	36.1	8.0	1.0	39.4	39.4	54.0	14.6	14.6
4	4890.0	31.1	31.1	35.5	36.1	8.0	1.0	39.5	39.5	54.0	14.5	14.5
5	7236.0	30.1	30.1	37.7	35.6	10.1	0.5	42.8	42.8	54.0	11.2	11.2
6	7320.0	30.4	30.1	37.9	35.7	10.2	0.5	43.3	43.0	54.0	10.7	11.0
7	7335.0	30.4	30.1	38.0	35.7	10.2	0.5	43.4	43.1	54.0	10.6	10.9
8	9648.0	30.9	31.0	37.1	36.3	11.9	0.5	44.1	44.2	54.0	9.9	9.8
9	9760.0	30.9	31.0	37.0	36.3	12.0	0.5	44.1	44.2	54.0	9.9	9.8
10	9780.0	30.9	31.1	37.0	36.3	12.0	0.5	44.1	44.3	54.0	9.9	9.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
11	12200.0	29.1	29.1	41.4	35.6	15.6	0.0	41.0	41.0	54.0	13.0	13.0
12	12060.0	29.3	29.3	41.1	35.7	15.5	0.0	40.7	40.7	54.0	13.3	13.3
13	14640.0	28.0	28.1	41.6	34.8	16.8	0.0	42.1	42.2	54.0	11.9	11.8
14	14472.0	28.1	28.2	41.0	34.6	16.6	0.0	41.6	41.7	54.0	12.4	12.3
15	16884.0	30.4	30.4	45.9	35.6	18.6	0.0	49.8	49.8	54.0	4.2	4.2
16	17080.0	30.7	30.8	46.4	35.4	18.8	0.0	51.0	51.1	54.0	3.0	2.9
17	19520.0	29.1	29.0	39.2	35.0	20.6	0.0	44.4	44.3	54.0	9.6	9.7
18	19296.0	29.7	29.7	39.6	34.9	20.4	0.0	45.3	45.3	54.0	8.7	8.7
19	21960.0	31.9	31.9	40.4	35.0	22.3	0.0	50.1	50.1	54.0	3.9	3.9
20	21708.0	30.8	30.8	40.7	35.3	22.1	0.0	48.8	48.8	54.0	5.2	5.2
21	24400.0	29.2	29.2	40.1	36.6	22.7	0.0	45.9	45.9	54.0	8.1	8.1
22	24120.0	29.7	29.7	40.0	36.0	22.6	0.0	46.8	46.8	54.0	7.2	7.2

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.

20dBc(Fundamental 2412MHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR [dBuV/m]	VER					HOR [dBuV/m]	VER		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2412.0	80.1	80.3	30.8	36.3	6.5	0.0	81.1	81.3	-	-	-
2	2400.0	51.9	53.3	30.8	36.3	6.5	0.0	52.9	54.3	Funda-20dB	8.2	7.0

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Test report No. : 25BE0202-HO-1
Page : 71of 98
Issued date : October 20, 2004
Revised date : October 26, 2004
FCC ID : AK8PCVE21L

Spurious Emission (Radiated:LAN-11g,Tx2412MHz(Worst)+Reciever,Tx2479) above 1GHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

Company : Sony Corporation
Equipment : Personal Computer
Model : PCV-E21L
Sample No. : 16
Power : AC120V / 60Hz
Mode : LAN-11g, 54Mbps, PN9, Tx2412MHz(Worst)
+ Receiver, Tx2479MHz
+ Keyboard and Mouse, Tx2479MHz
(RBW: 1MHz, VBW:1MHz)

REPORT NO : 25BE00202-HO
REGULATION : Fcc Part15 Subpart C 15.247(C)
TEST DISTANCE : 3/1m
DATE : 9/29/2004, 10/11/2004 and 10/12/20
TEMPERATURE : 26 deg.C, 25deg.C and 25deg.C
HUMIDITY : 60 % , 60% and 60%
ENGINEER : Hiroka Umeyama

PK DETECT												
(RBW: 1MHz, VBW:10MHz)												
No.	FREQ [MHz]	S/A READING HOR VER [dBuV/m]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit PK [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1194.5	57.1	49.4	23.0	36.9	4.4	0.0	47.6	39.9	74.0	26.4	34.1
1	2390.0	55.6	55.5	30.7	36.3	5.6	0.0	55.6	55.5	74.0	18.4	18.5
2	2483.5	56.1	58.1	30.8	36.2	5.6	0.0	56.3	58.3	74.0	17.7	15.7
3	4958.0	43.3	43.6	35.2	36.1	8.0	1.0	51.4	51.7	74.0	22.6	22.3
4	4824.0	45.1	43.6	35.8	36.1	8.2	1.0	54.0	52.5	74.0	20.0	21.5
5	7437.0	42.6	42.8	37.7	35.6	10.1	0.5	55.3	55.5	74.0	18.7	18.5
6	7236.0	42.2	43.8	38.2	35.7	10.3	0.5	55.5	57.1	74.0	18.5	16.9
7	9916.0	43.6	43.3	37.1	36.3	11.9	0.5	56.8	56.5	74.0	17.2	17.5
8	9648.0	44.1	44.1	37.0	36.3	12.1	0.5	57.4	57.4	74.0	16.6	16.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
9	12395.0	40.8	40.9	41.9	35.5	15.7	0.0	53.4	53.5	74.0	20.6	20.5
10	12060.0	41.3	41.3	41.1	35.7	15.5	0.0	52.7	52.7	74.0	21.3	21.3
11	14874.0	40.2	40.3	42.6	35.0	17.1	0.0	55.4	55.5	74.0	18.6	18.5
12	14472.0	39.4	40.6	41.0	34.6	16.6	0.0	52.9	54.1	74.0	21.1	19.9
13	16884.0	42.0	42.1	46.0	35.5	18.6	0.0	61.6	61.7	74.0	12.4	12.3
14	17353.0	41.9	42.0	46.9	35.2	19.0	0.0	63.1	63.2	74.0	10.9	10.8
15	19832.0	42.2	41.1	39.9	35.3	20.8	0.0	58.1	57.0	74.0	15.9	17.0
16	19296.0	42.1	41.7	39.6	34.9	20.4	0.0	57.7	57.3	74.0	16.3	16.7
17	22311.0	43.8	44.3	40.7	35.1	22.4	0.0	62.3	62.8	74.0	11.7	11.2
18	21708.0	43.0	42.9	40.7	35.3	22.1	0.0	61.0	60.9	74.0	13.0	13.1
19	24790.0	42.5	42.5	40.2	36.7	22.9	0.0	59.4	59.4	74.0	14.6	14.6
20	24120.0	42.1	42.4	40.0	36.0	22.6	0.0	59.2	59.5	74.0	14.8	14.5
AV DETECT												
(RBW: 1MHz, VBW:10MHz)												
No.	FREQ [MHz]	S/A READING HOR VER [dBuV/m]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit AV [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
0	1194.5	41.1	36.9	23.0	36.9	4.4	0.0	31.6	27.4	54.0	22.4	26.6
1	2390.0	39.2	39.1	30.7	36.3	5.6	0.0	39.2	39.1	54.0	14.8	14.9
2	2483.5	43.8	44.2	30.8	36.2	5.6	0.0	44.0	44.4	54.0	10.0	9.6
3	4958.0	31.1	31.1	35.2	36.1	8.0	1.0	39.2	39.2	54.0	14.8	14.8
4	4824.0	32.8	33.2	35.8	36.1	8.2	1.0	41.7	42.1	54.0	12.3	11.9
5	7437.0	30.4	30.4	37.7	35.6	10.1	0.5	43.1	43.1	54.0	10.9	10.9
6	7236.0	30.3	30.2	38.2	35.7	10.3	0.5	43.6	43.5	54.0	10.4	10.5
7	9916.0	31.3	31.1	37.1	36.3	11.9	0.5	44.5	44.3	54.0	9.5	9.7
8	9648.0	30.9	31.0	37.0	36.3	12.1	0.5	44.2	44.3	54.0	9.8	9.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass - Dfac												
9	12395.0	29.2	29.3	41.9	35.5	15.7	0.0	41.8	41.9	54.0	12.2	12.1
10	12060.0	29.2	29.2	41.1	35.7	15.5	0.0	40.6	40.6	54.0	13.4	13.4
11	14874.0	28.6	28.6	42.6	35.0	17.1	0.0	43.8	43.8	54.0	10.2	10.2
12	14472.0	28.1	28.2	41.0	34.6	16.6	0.0	41.6	41.7	54.0	12.4	12.3
13	16884.0	30.3	30.3	46.0	35.5	18.6	0.0	49.9	49.9	54.0	4.1	4.1
14	17353.0	30.4	30.4	46.9	35.2	19.0	0.0	51.6	51.6	54.0	2.4	2.4
15	19832.0	28.6	28.6	39.9	35.3	20.8	0.0	44.5	44.5	54.0	9.5	9.5
16	19296.0	29.7	29.7	39.6	34.9	20.4	0.0	45.3	45.3	54.0	8.7	8.7
17	22311.0	31.7	31.7	40.7	35.1	22.4	0.0	50.2	50.2	54.0	3.8	3.8
18	21708.0	30.8	30.8	40.7	35.3	22.1	0.0	48.8	48.8	54.0	5.2	5.2
19	24790.0	29.5	29.5	40.2	36.7	22.9	0.0	46.4	46.4	54.0	7.6	7.6
20	24120.0	29.7	29.7	40.0	36.0	22.6	0.0	46.8	46.8	54.0	7.2	7.2

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.

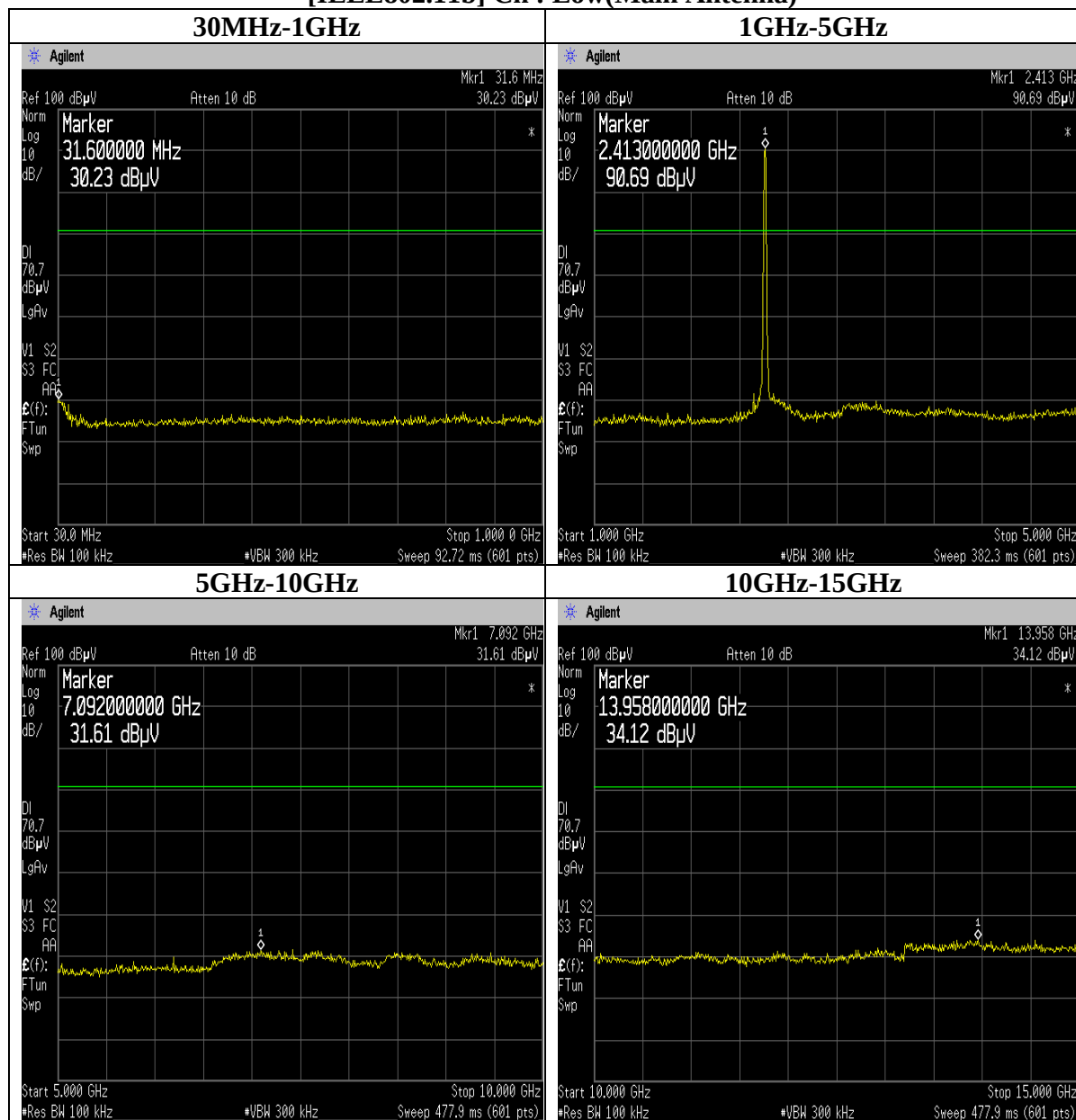
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

20dBc(Fundamental 2412MHz)												
(RBW: 100kHz , VBW:300kHz)												
No.	FREQ [MHz]	S/A READING HOR VER [dBuV/m]		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Band-Pass Filter [dB]	RESULT HOR VER [dBuV/m]		Limit 20dBc [dBuV/m]	MARGIN HOR VER [dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + CABLE LOSS + Band Pass												
1	2412.0	80.1	80.3	30.8	36.3	6.5	0.0	81.1	81.3	-	-	-
2	2400.0	51.6	52.9	30.8	36.3	6.5	0.0	52.6	53.9	Funda-20dB	8.5	7.4

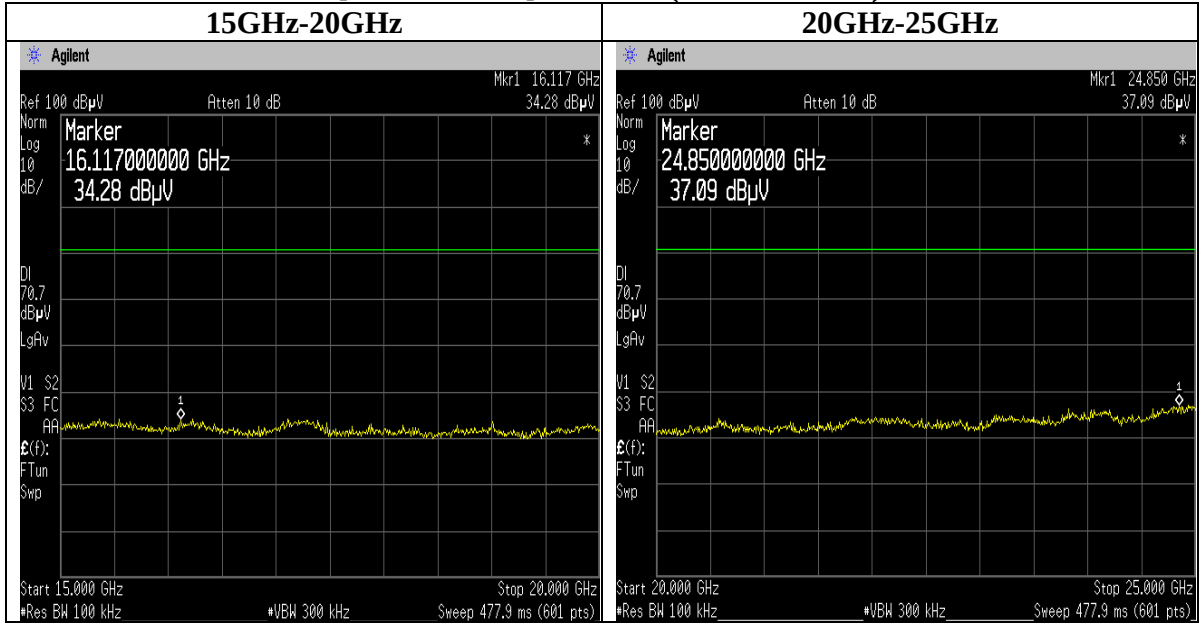
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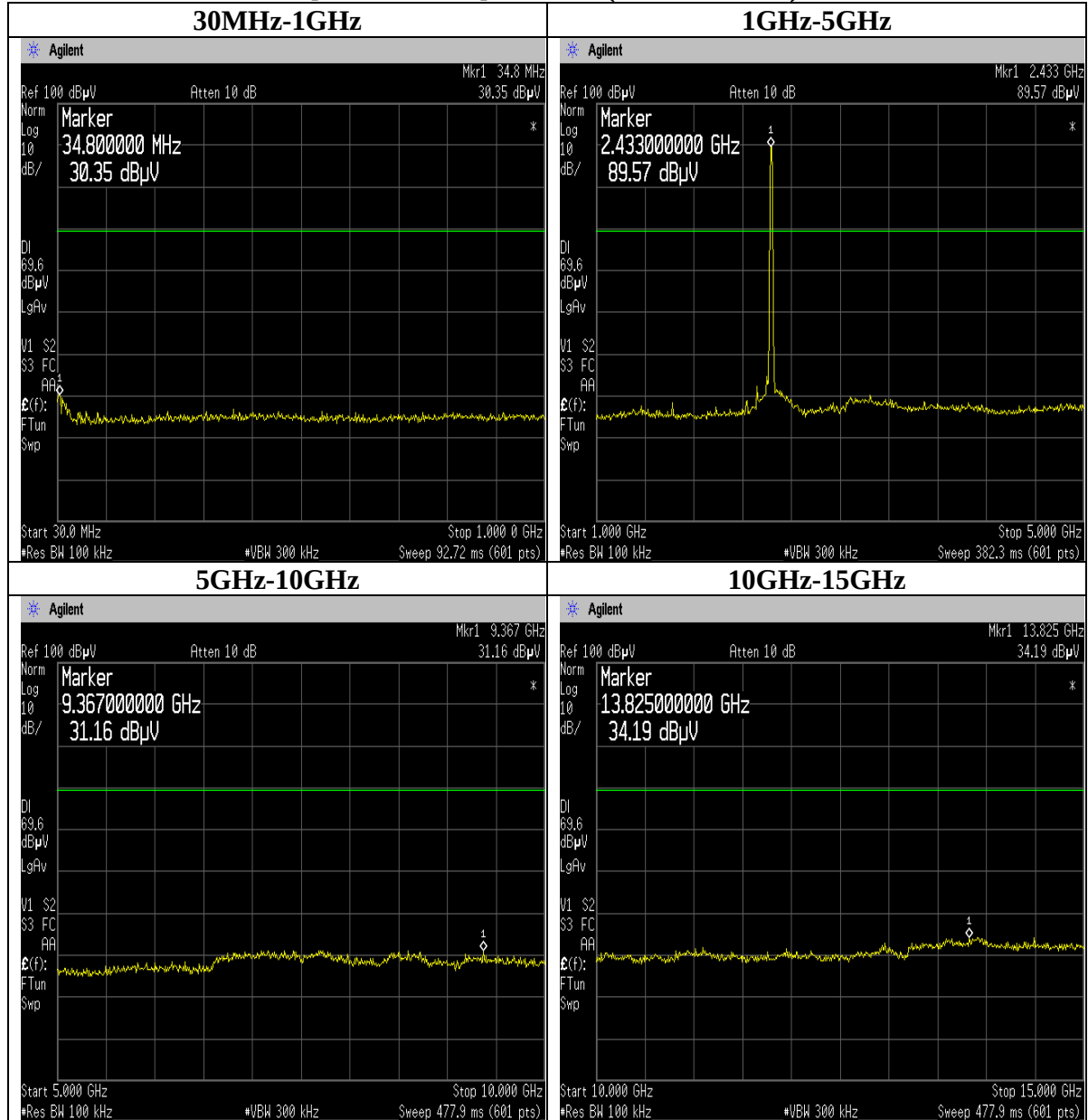
Conducted Spurious Emission(DSSS and other forms of modulation)
[IEEE802.11b] Ch : Low(Main Antenna)



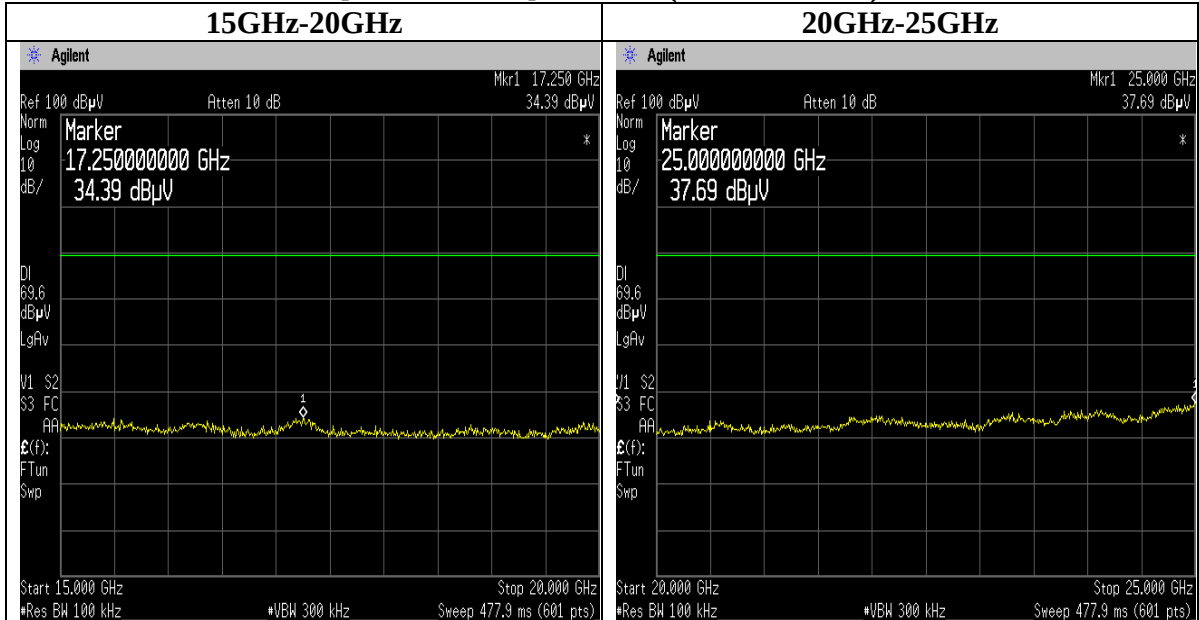
[IEEE802.11b] Ch : Low(Main Antenna)



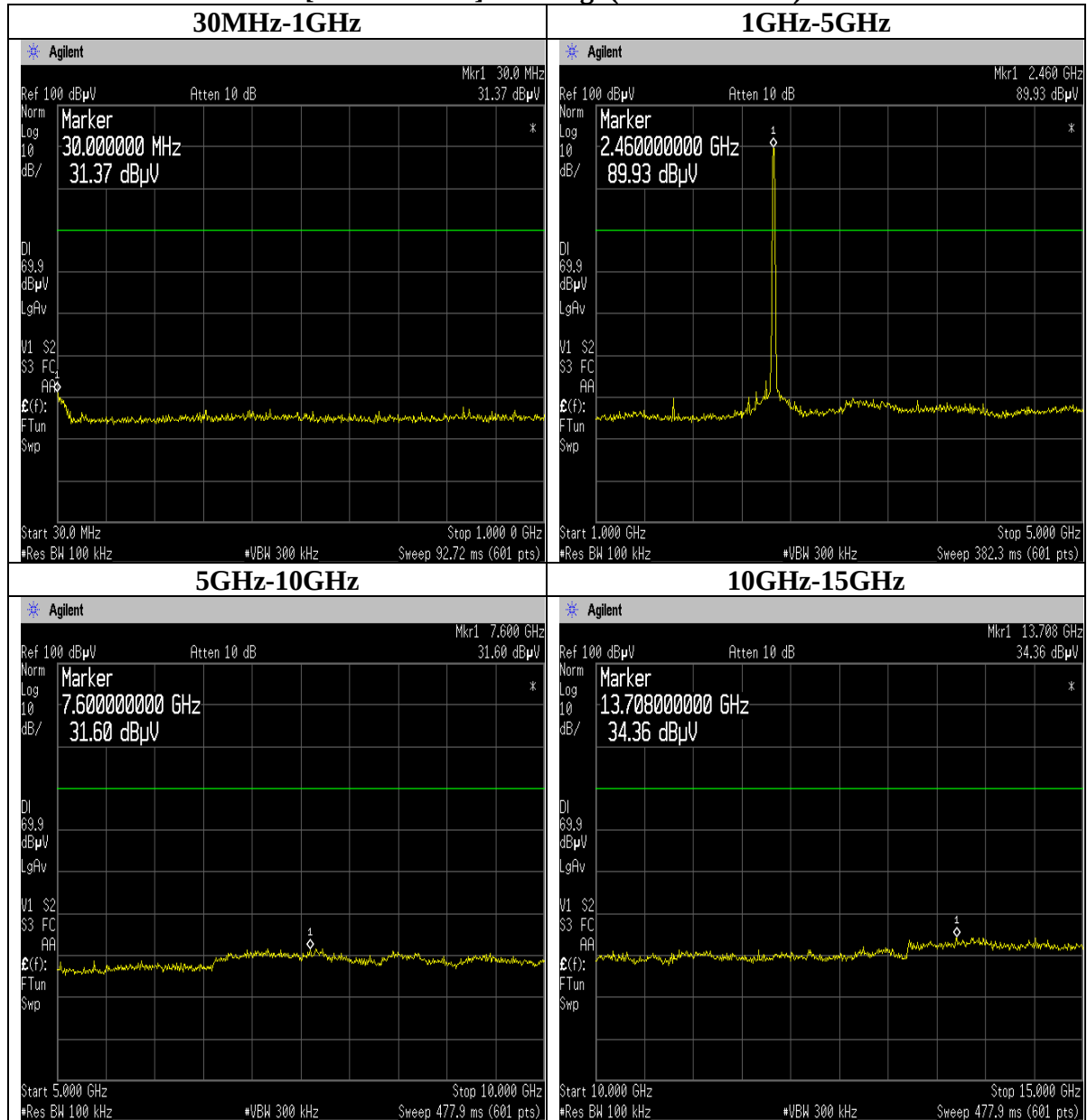
Conducted Spurious Emission(DSSS and other forms of modulation)
[IEEE802.11b] Ch : Mid(Main Antenna)



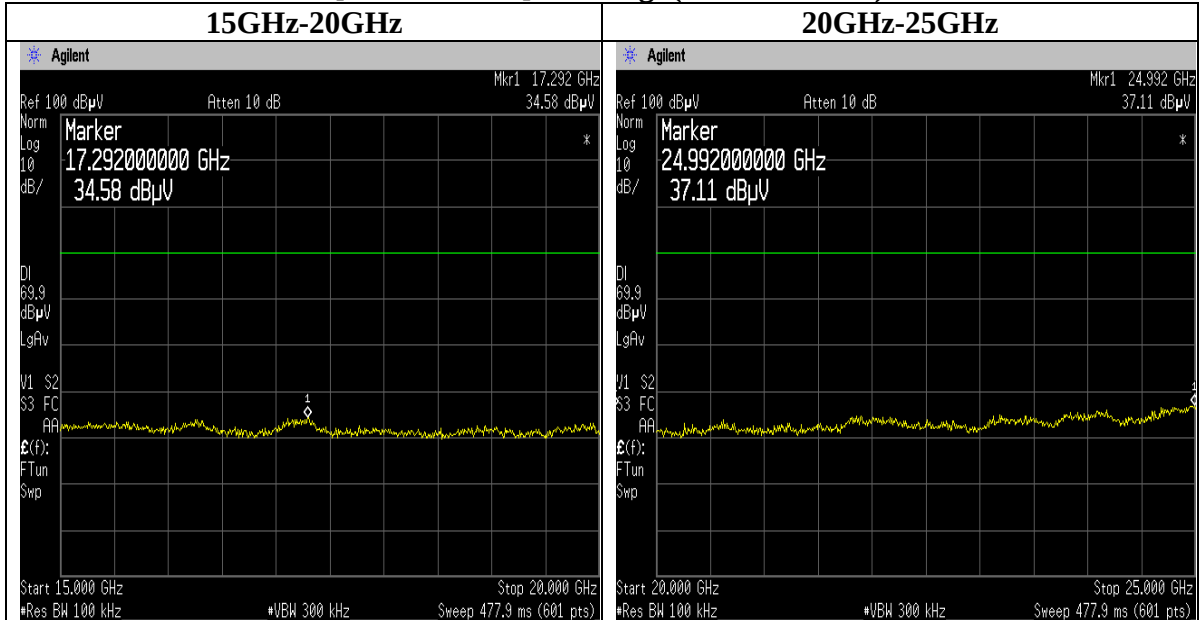
[IEEE802.11b] Ch : Mid(Main Antenna)



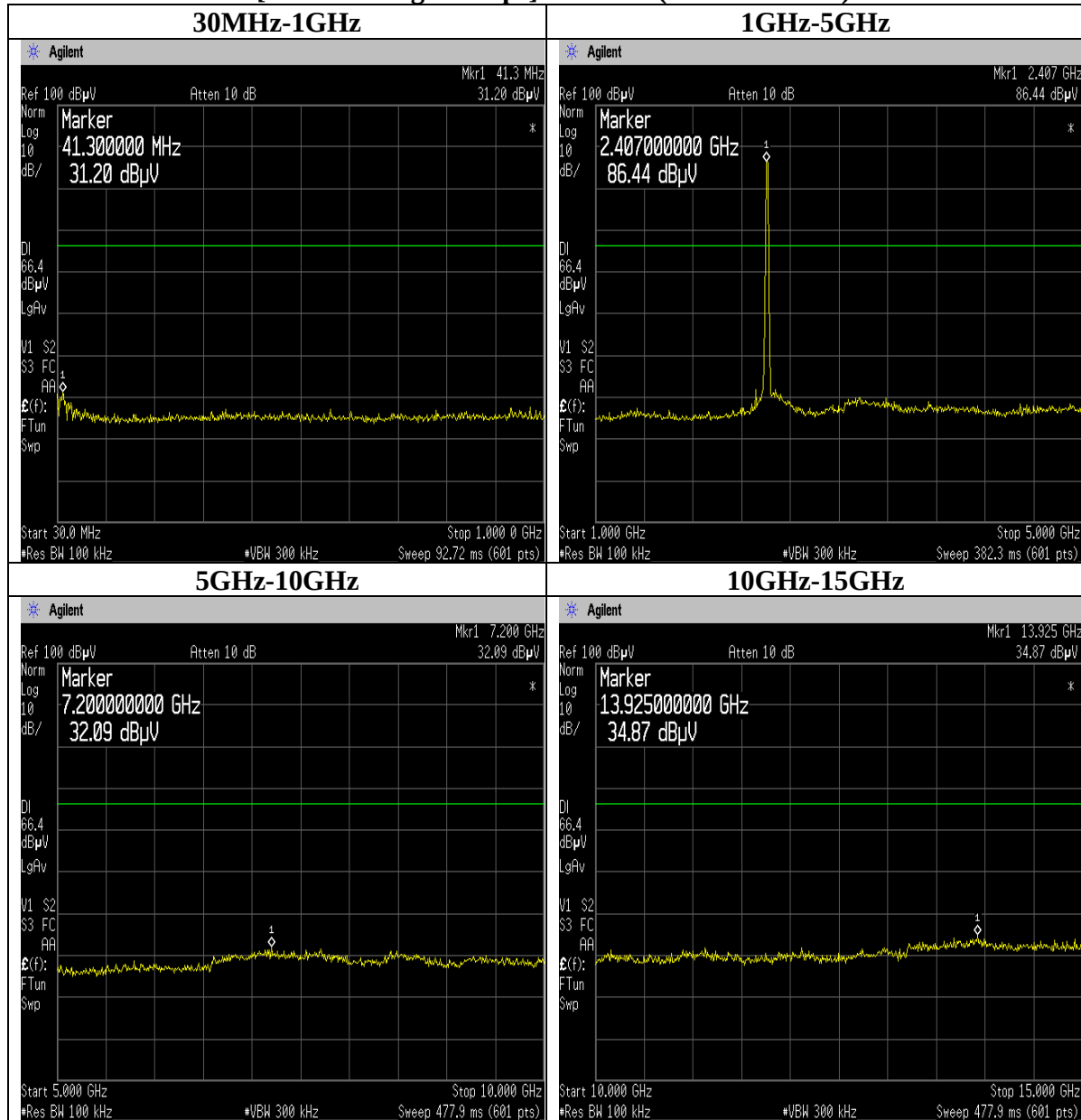
Conducted Spurious Emission(DSSS and other forms of modulation)
[IEEE802.11b] Ch : High(Main Antenna)



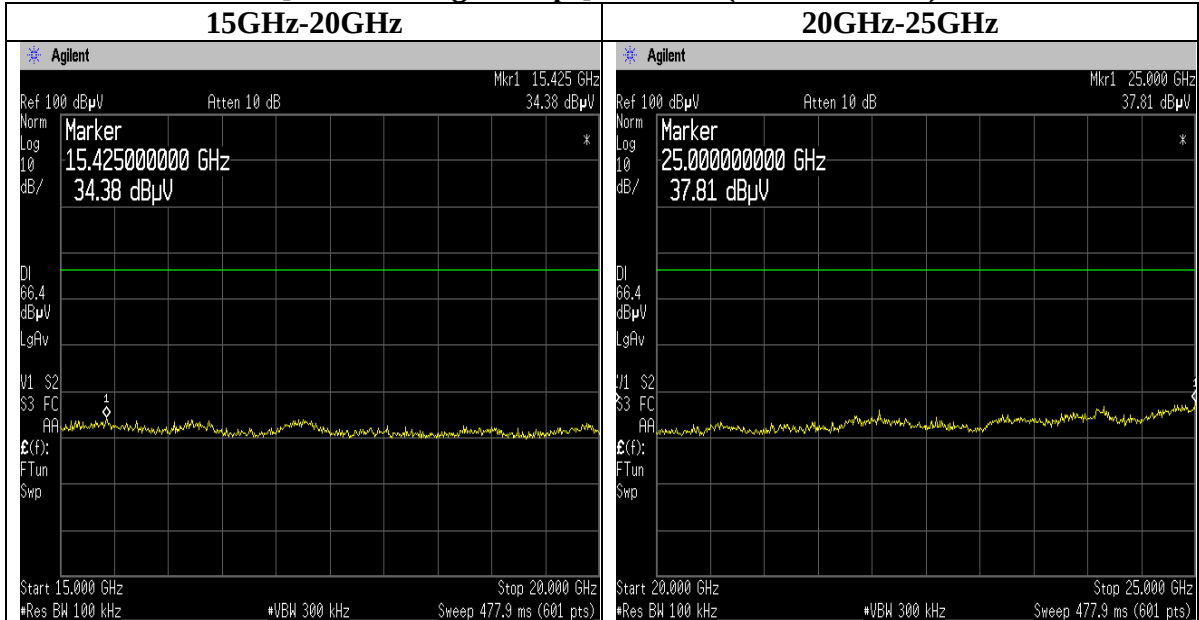
[IEEE802.11b] Ch : High(Main Antenna)



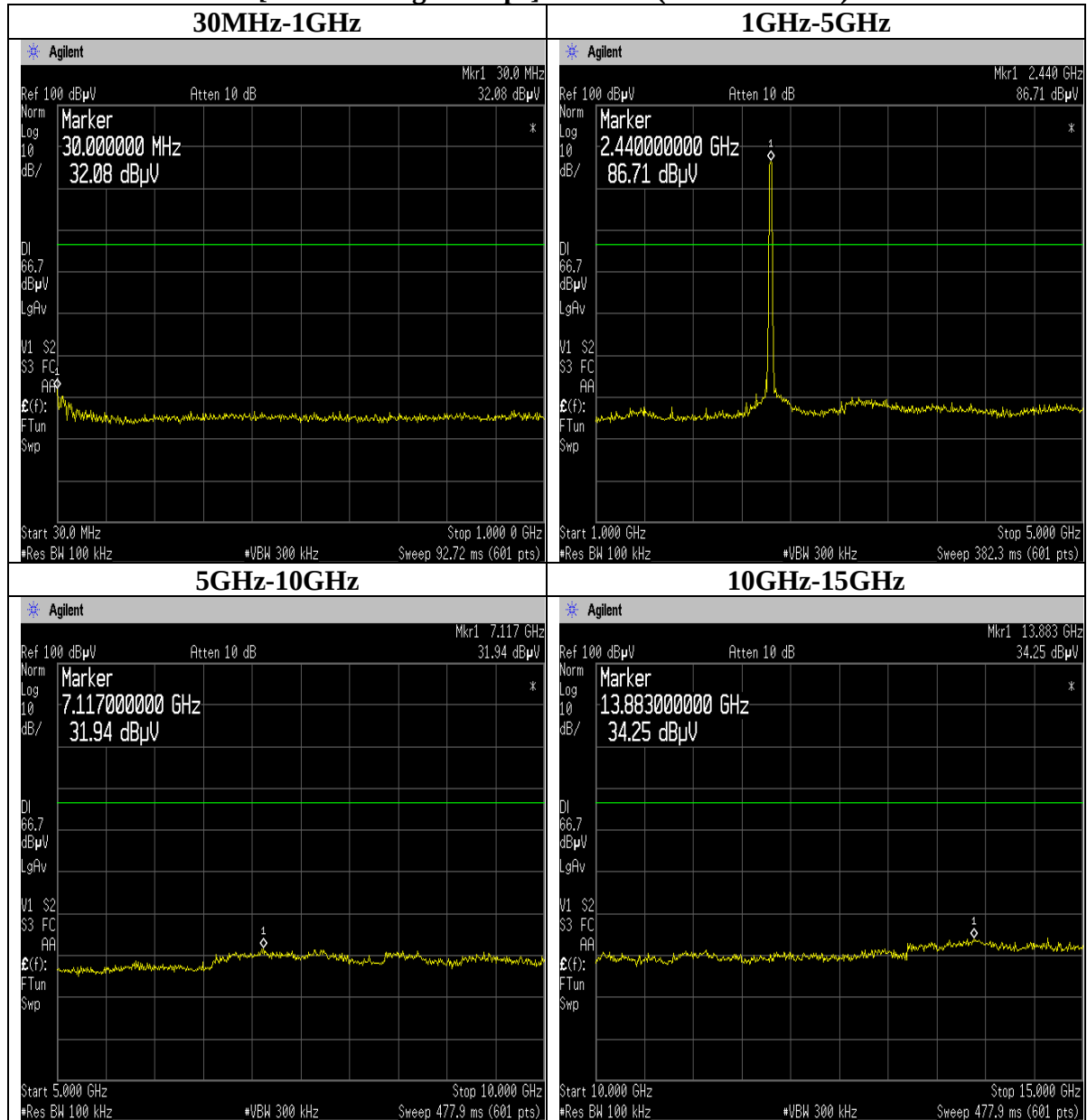
Conducted Spurious Emission(DSSS and other forms of modulation)
[IEEE802.11g 54Mbps] Ch : Low(Main Antenna)



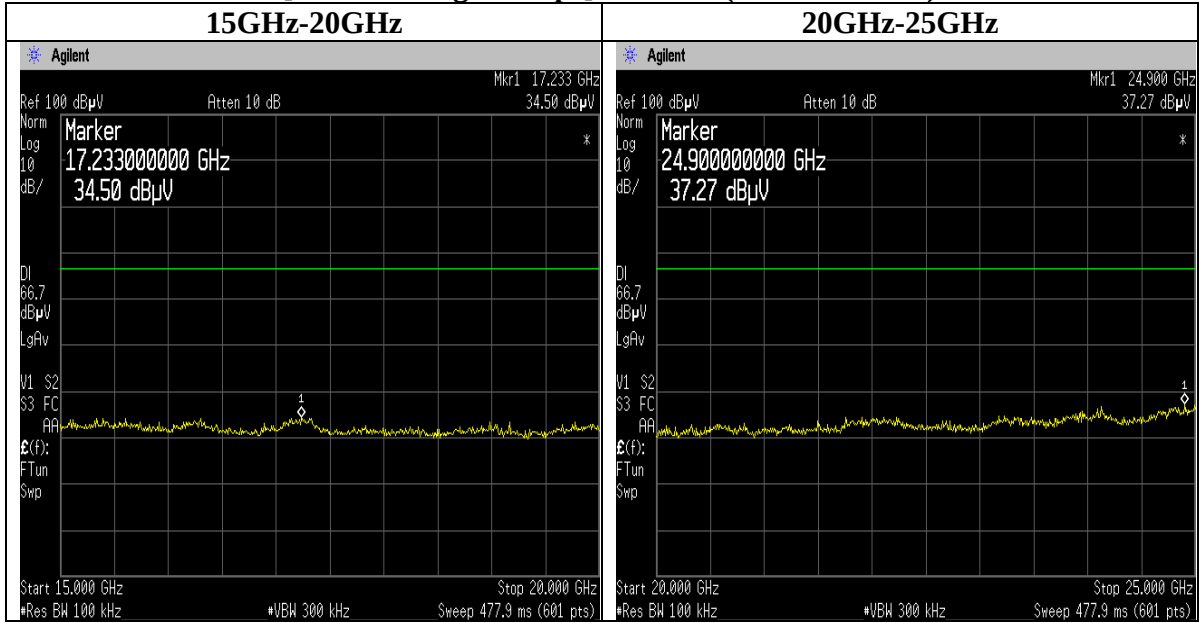
[IEEE802.11g 54Mbps] Ch : Low(Main Antenna)



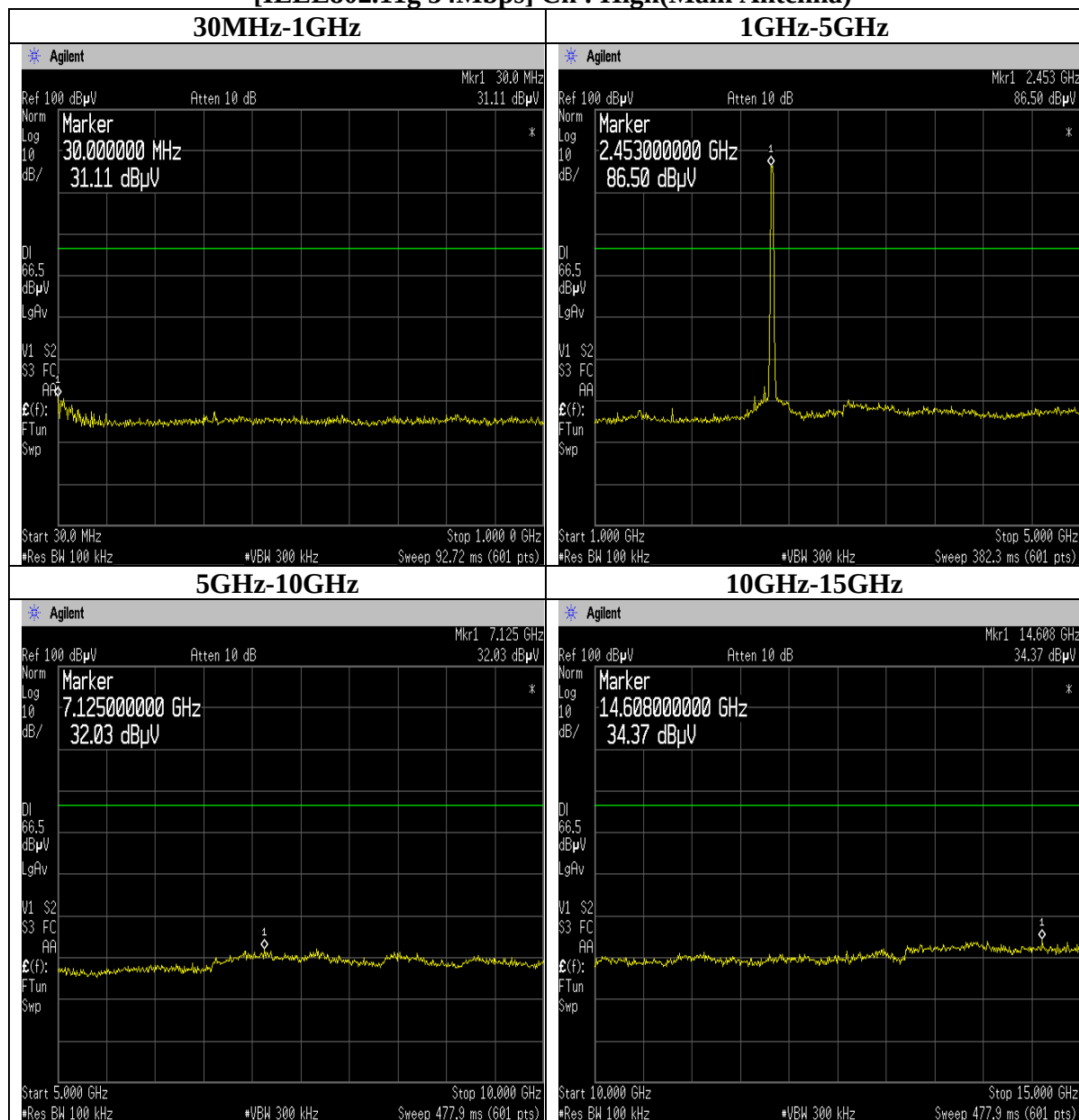
Conducted Spurious Emission(DSSS and other forms of modulation)
[IEEE802.11g 54Mbps] Ch : Mid(Main Antenna)



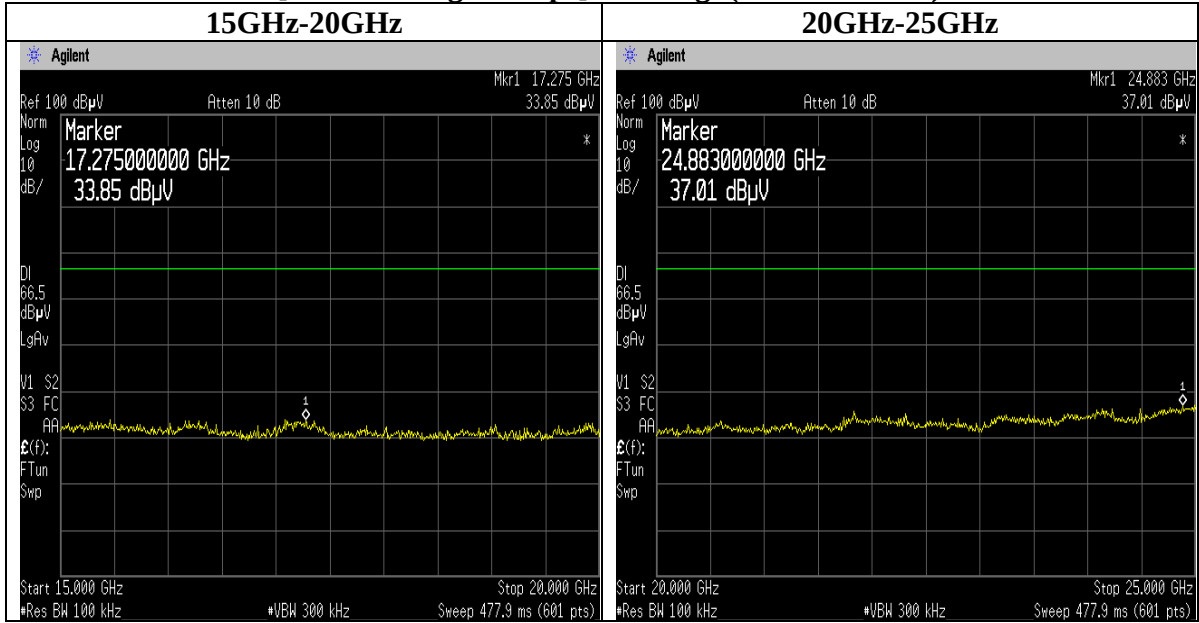
[IEEE802.11g 54Mbps] Ch : Mid(Main Antenna)



Conducted Spurious Emission(DSSS and other forms of modulation)
[IEEE802.11g 54Mbps] Ch : High(Main Antenna)

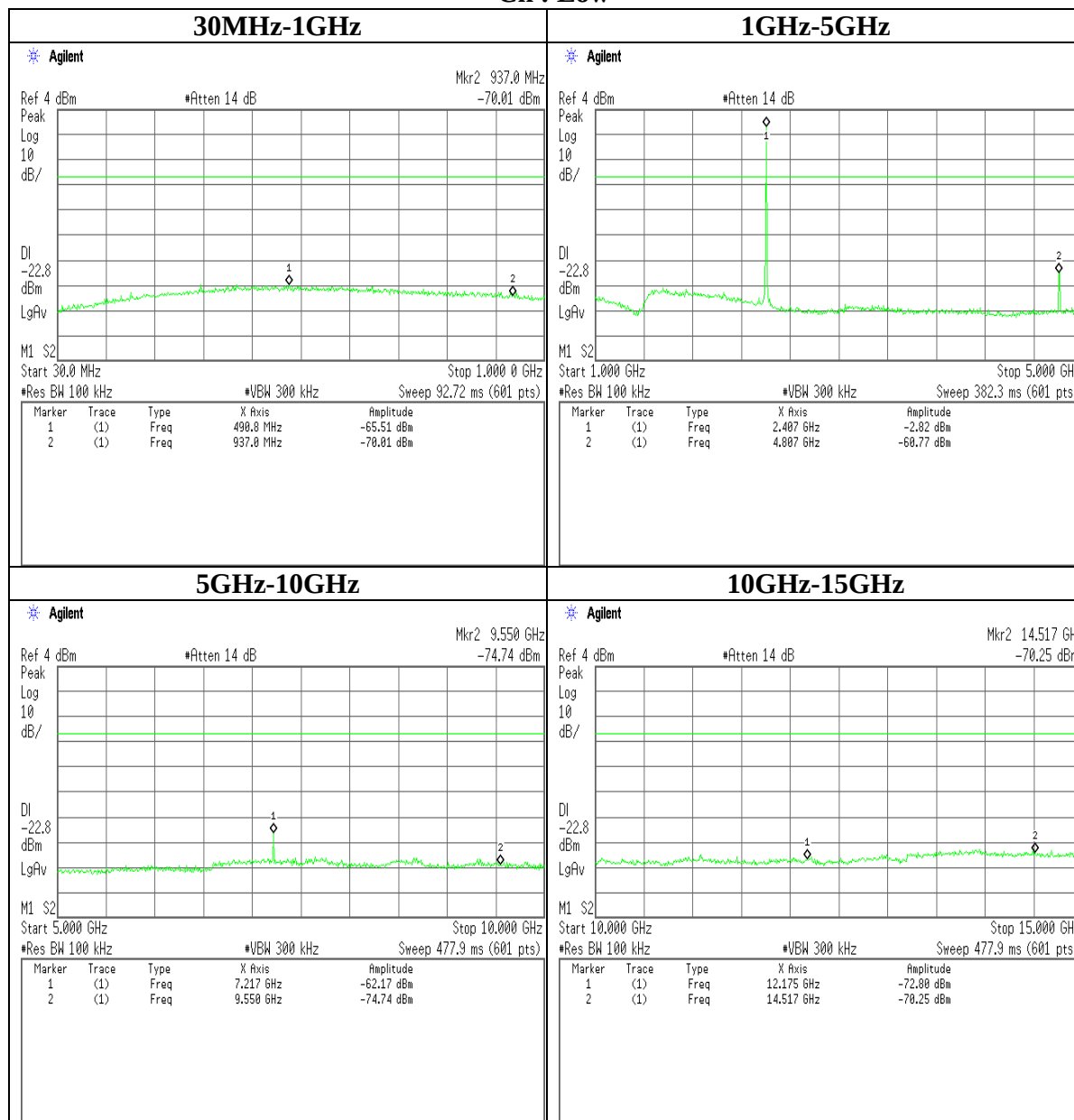


[IEEE802.11g 54Mbps] Ch : High(Main Antenna)



Conducted Spurious Emission(DSSS and other forms of modulation) Receiver

Ch : Low



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Head Office EMC Lab.

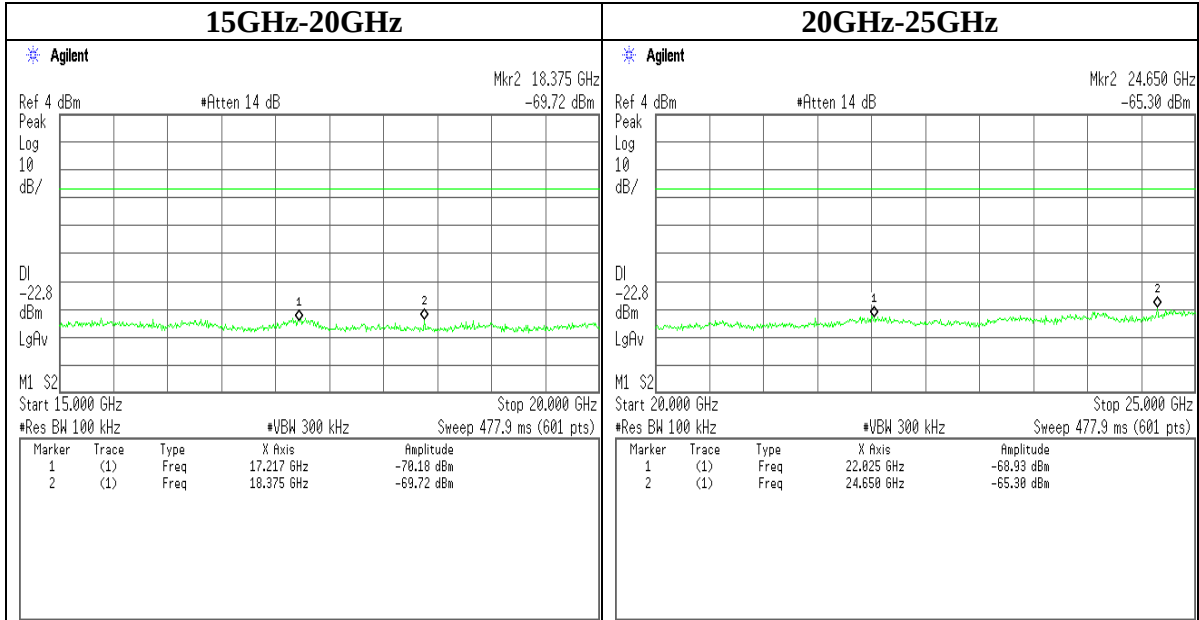
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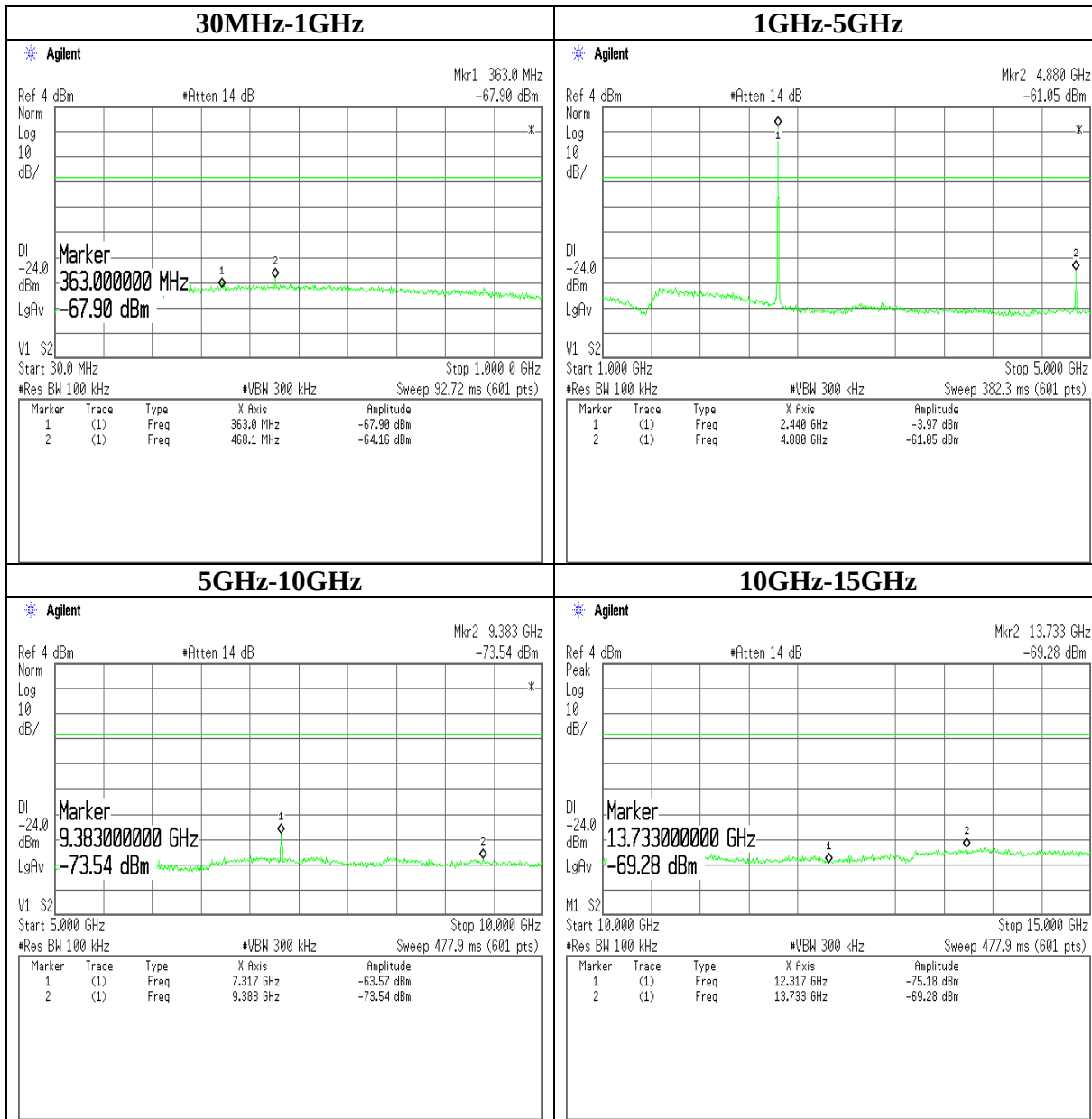
Facsimile : +81 596 24 8124

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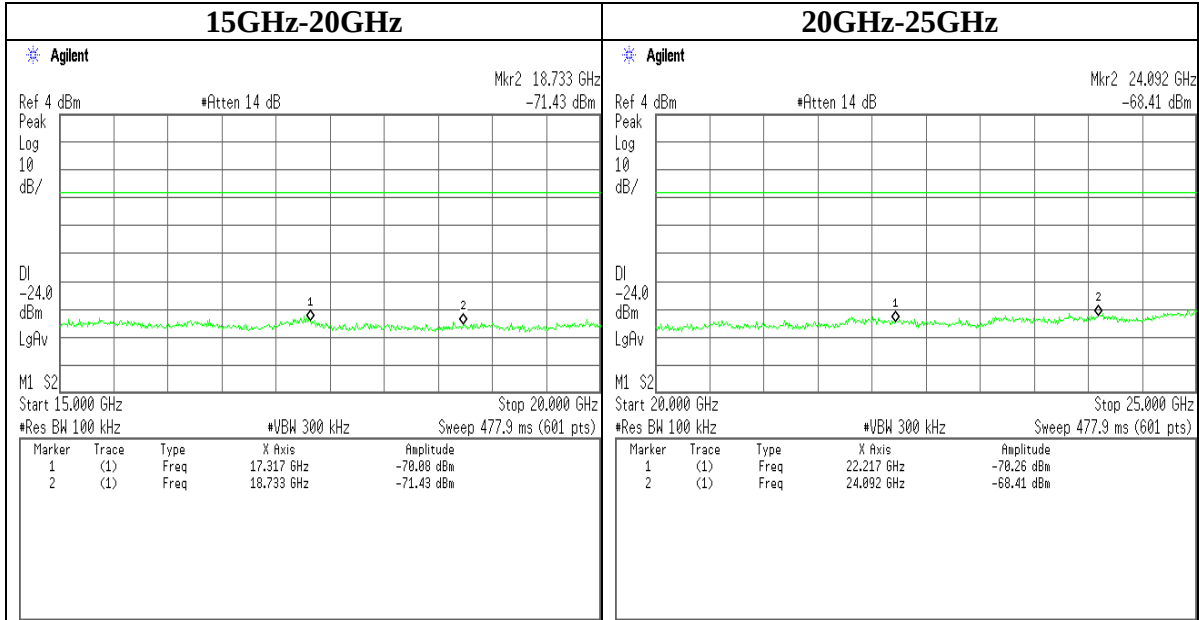
Receiver Ch : Low



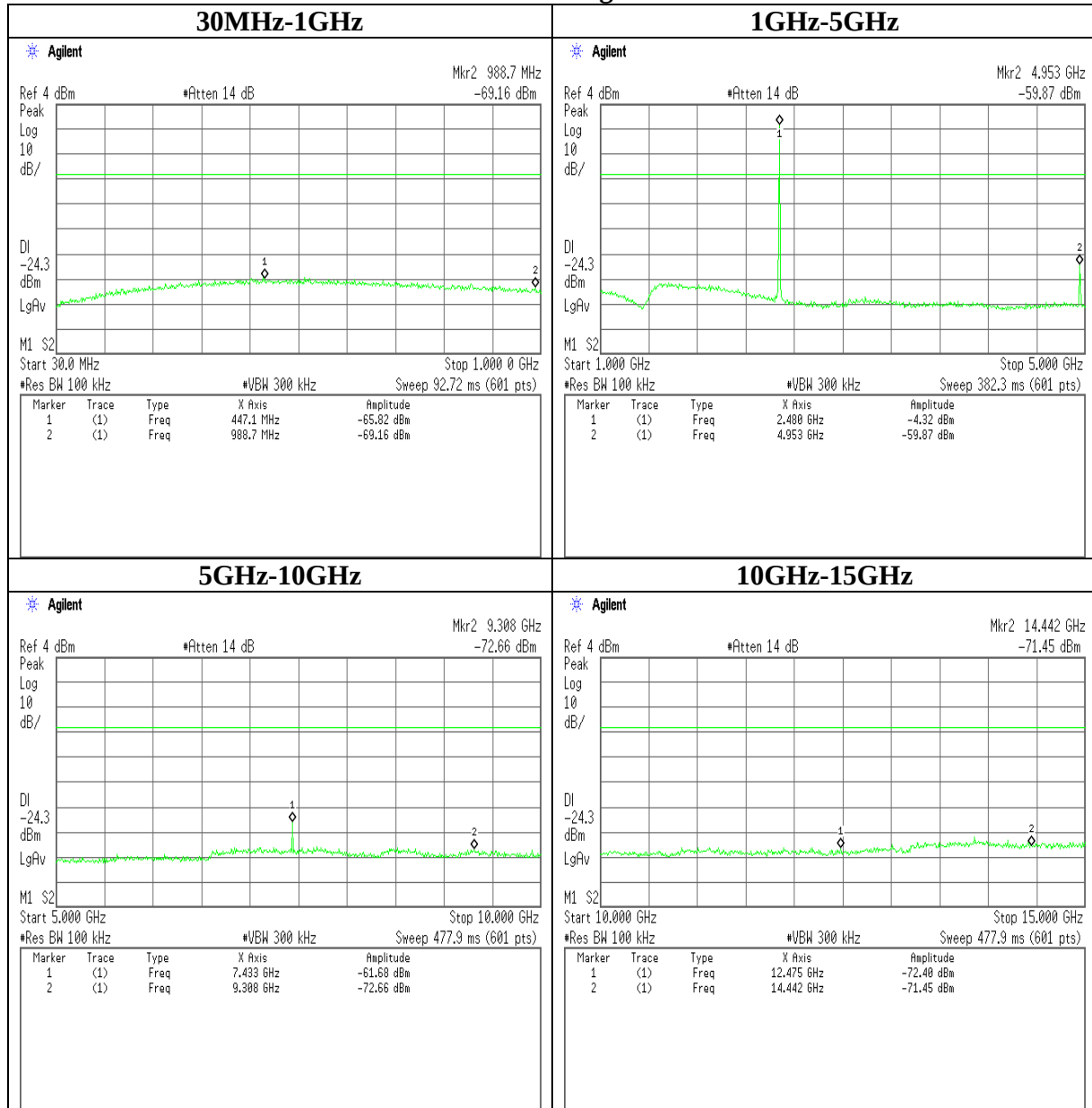
Conducted Spurious Emission(DSSS and other forms of modulation) Receiver
Ch : Mid



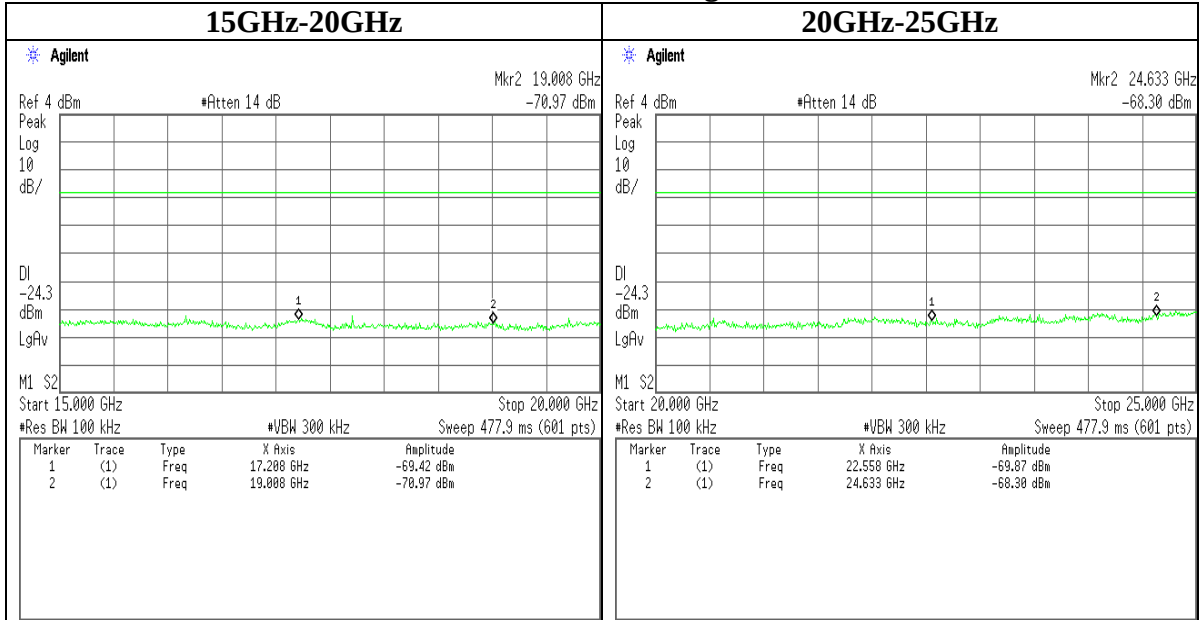
Receiver Ch : Mid



Conducted Spurious Emission(DSSS and other forms of modulation) Receiver
Ch : High

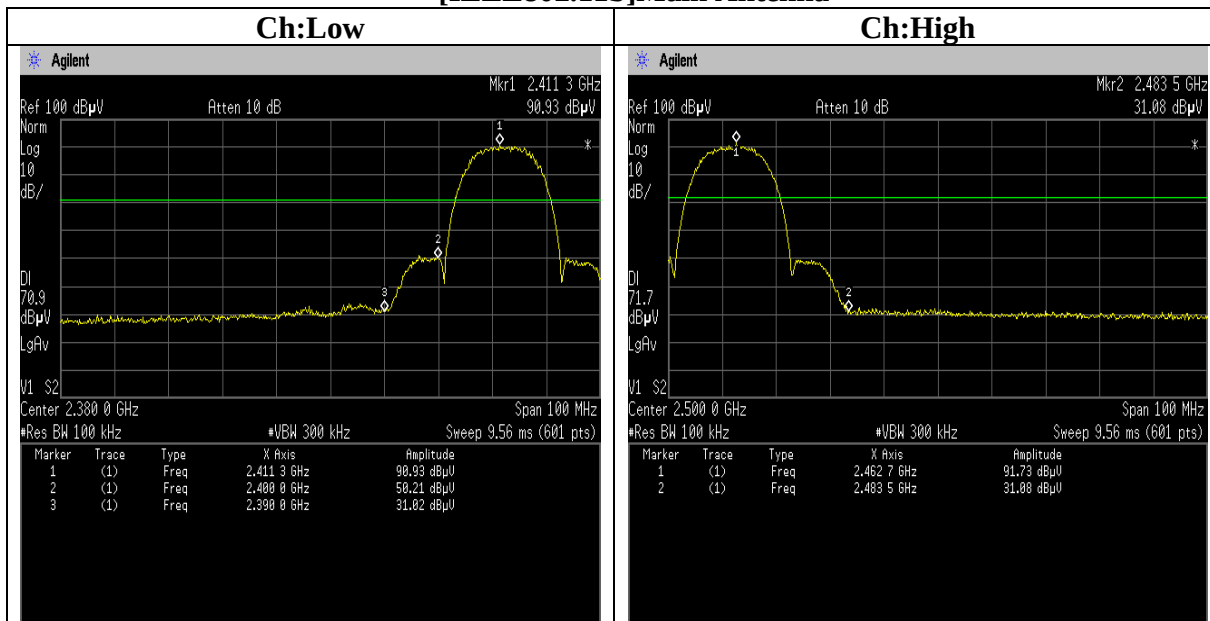


Receiver Ch : High

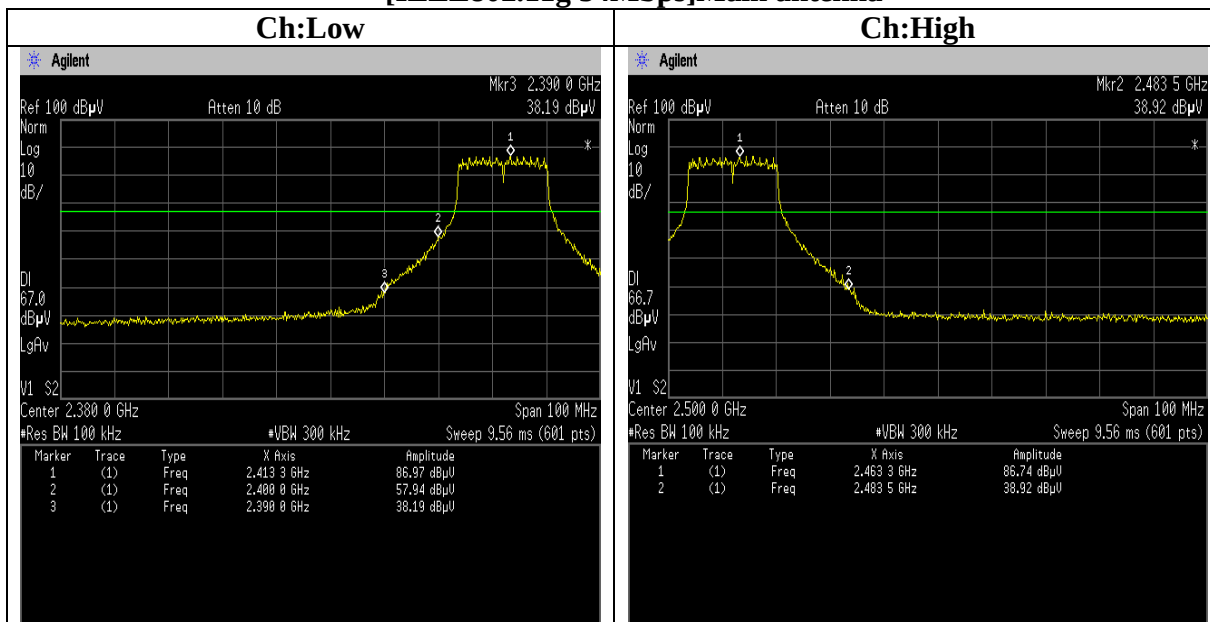


Conducted emission Band Edge compliance (DSSS and other forms of modulation)

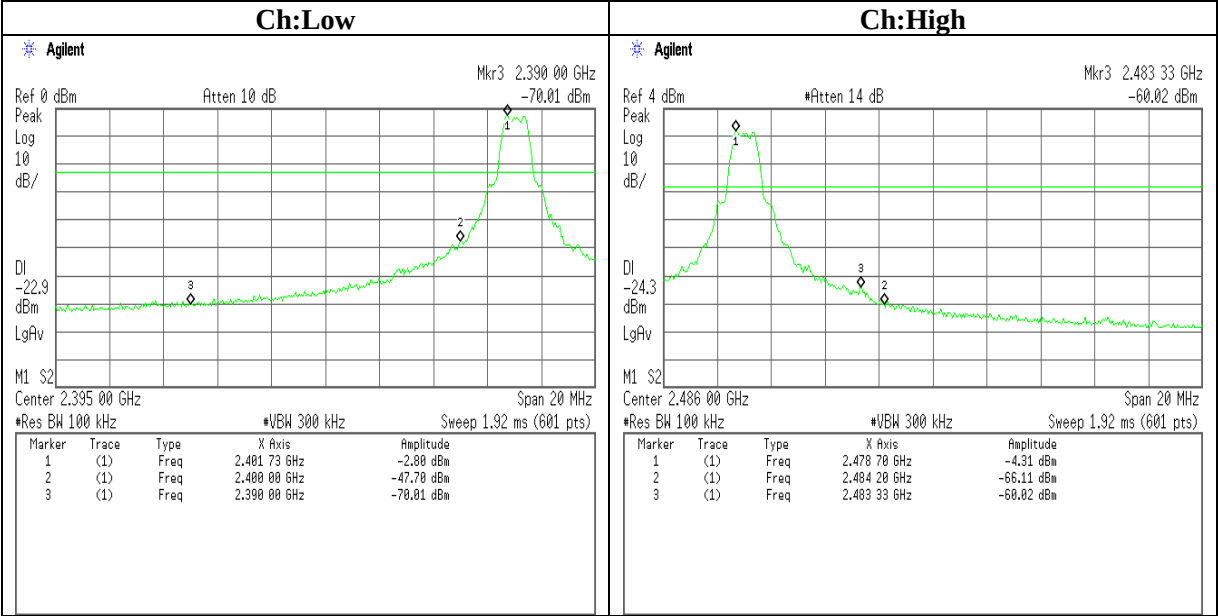
[IEEE802.11b]Main Antenna



[IEEE802.11g 54Mbps]Main antenna



Receiver



Power Density (DSSS and other forms of modulation)

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Measurement Room

Company	: Sony Corporation	REPORT NO	: 25BE0202-HO
Equipment	: Personal Computer	REGULATION	: Fcc Part15 Subpart C 15.247(d)
Model	: PCV-E21L	TEST DISTANCE	: -
Sample No.	: 24	DATE	: 07/05/2004 and 10/18/2004
Power	: AC120V/60Hz	TEMPERATURE	: 25deg.C and 23deg.C
Mode	: Tx(ch1,6,11)	HUMIDITY	: 50% and 48%
		ENGINEER	: Hiroka Umeyama and Makoto Kosaka

[IEEE802.11b] Main Antenna

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-28.51	2.68	20.00	-5.8	8.0	13.8
Mid	2437.0	-26.82	2.68	20.00	-4.1	8.0	12.1
High	2462.0	-27.75	2.68	20.00	-5.1	8.0	13.1

[IEEE802.11g 54Mbps] Main Antenna

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.0	-34.27	2.68	20.00	-11.6	8.0	19.6
Mid	2437.0	-34.81	2.68	20.00	-12.1	8.0	20.1
High	2462.0	-34.41	2.68	20.00	-11.7	8.0	19.7

Receiver

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2402.0	-11.55	1.13	0.0	-10.4	8.0	18.4
Mid	2440.0	-12.76	1.09	0.0	-11.7	8.0	19.7
High	2479.0	-13.11	1.18	0.0	-11.9	8.0	19.9

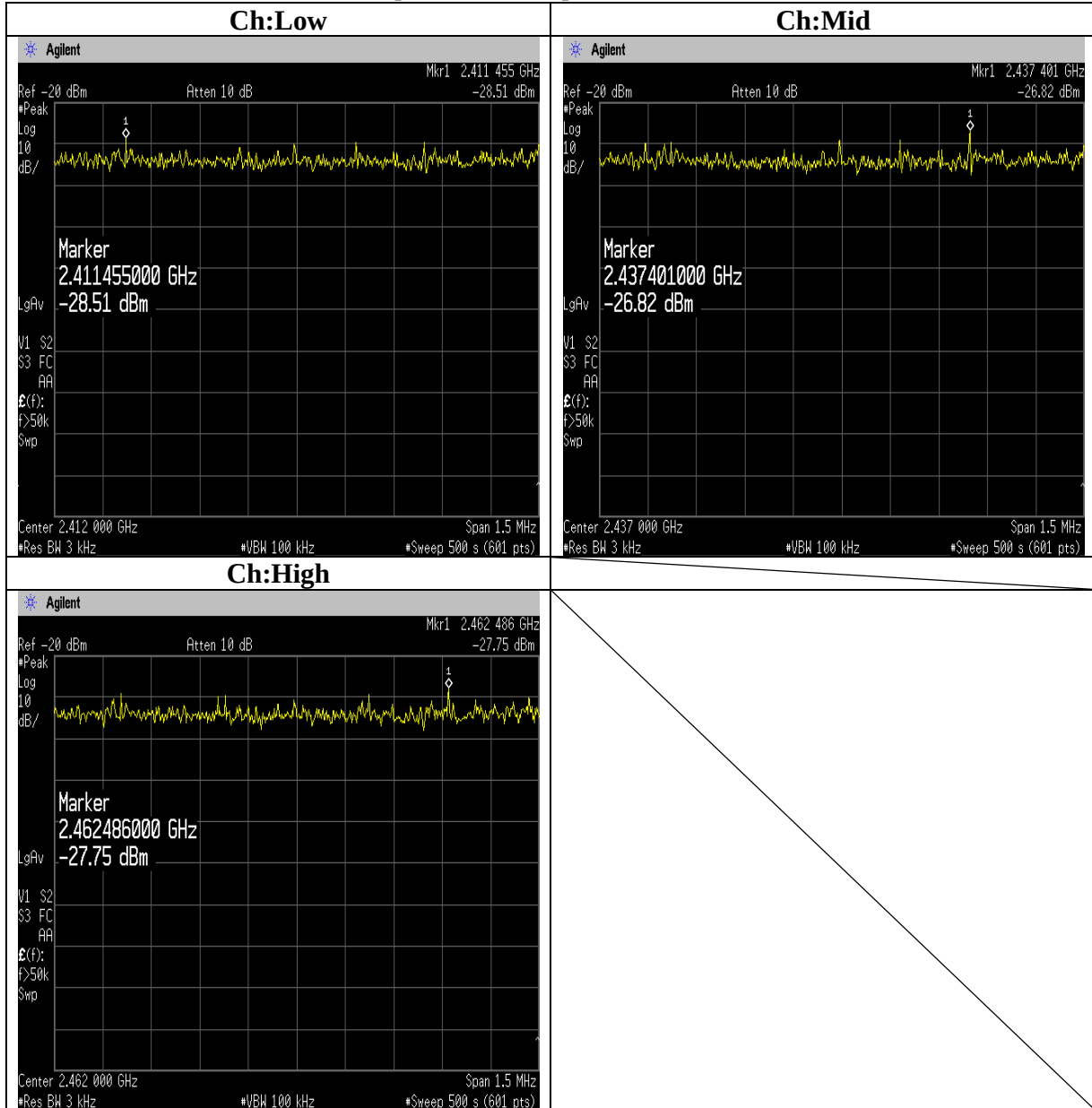
Sample Calculation:

Result = Reading + Cable Loss(customer's Cable) + Attenuator

* Atten. was not used for factor 0.0dB of the above table.

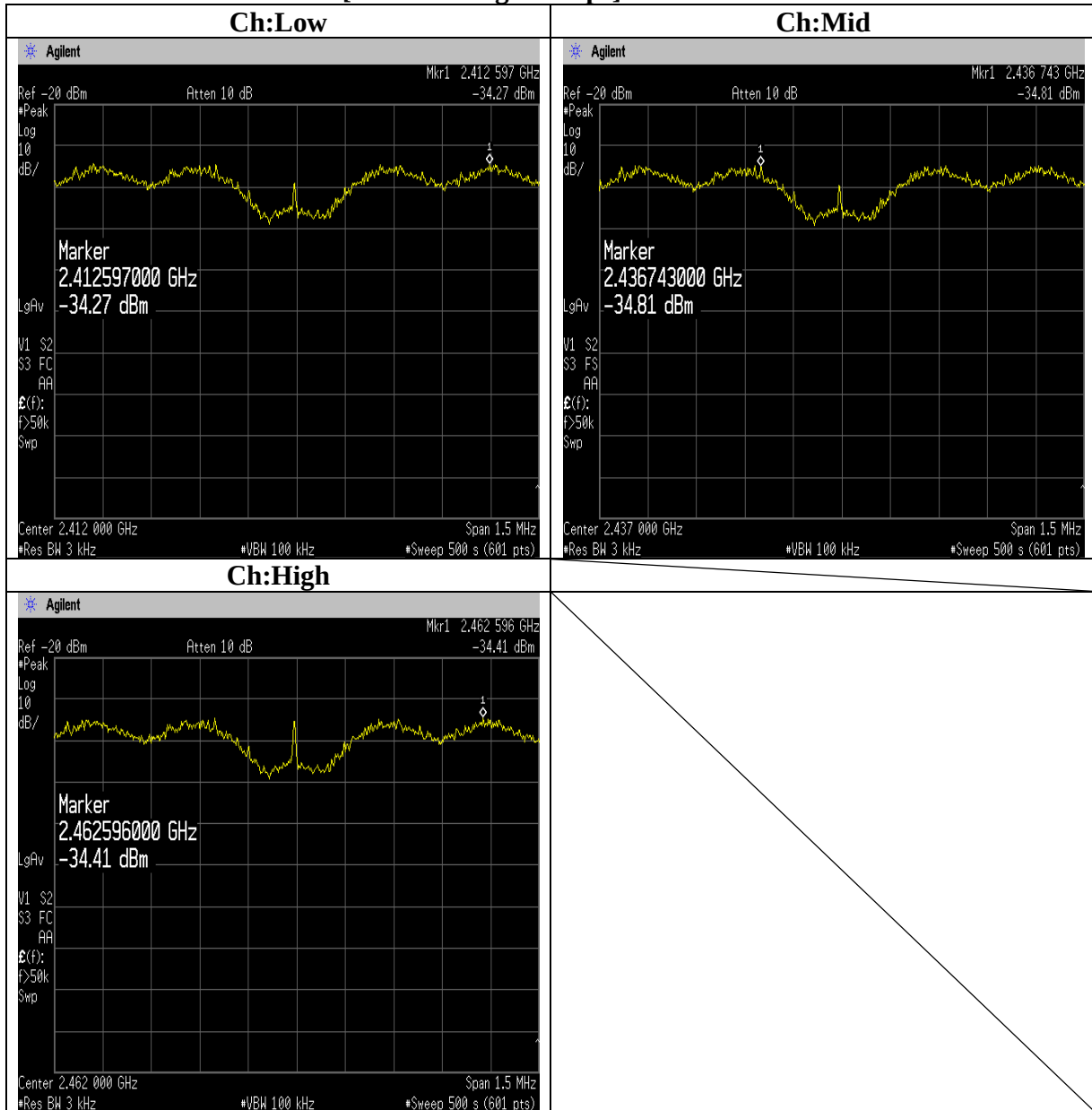
Power Density(DSSS and other forms of modulation)

[IEEE802.11b]Main Antenna

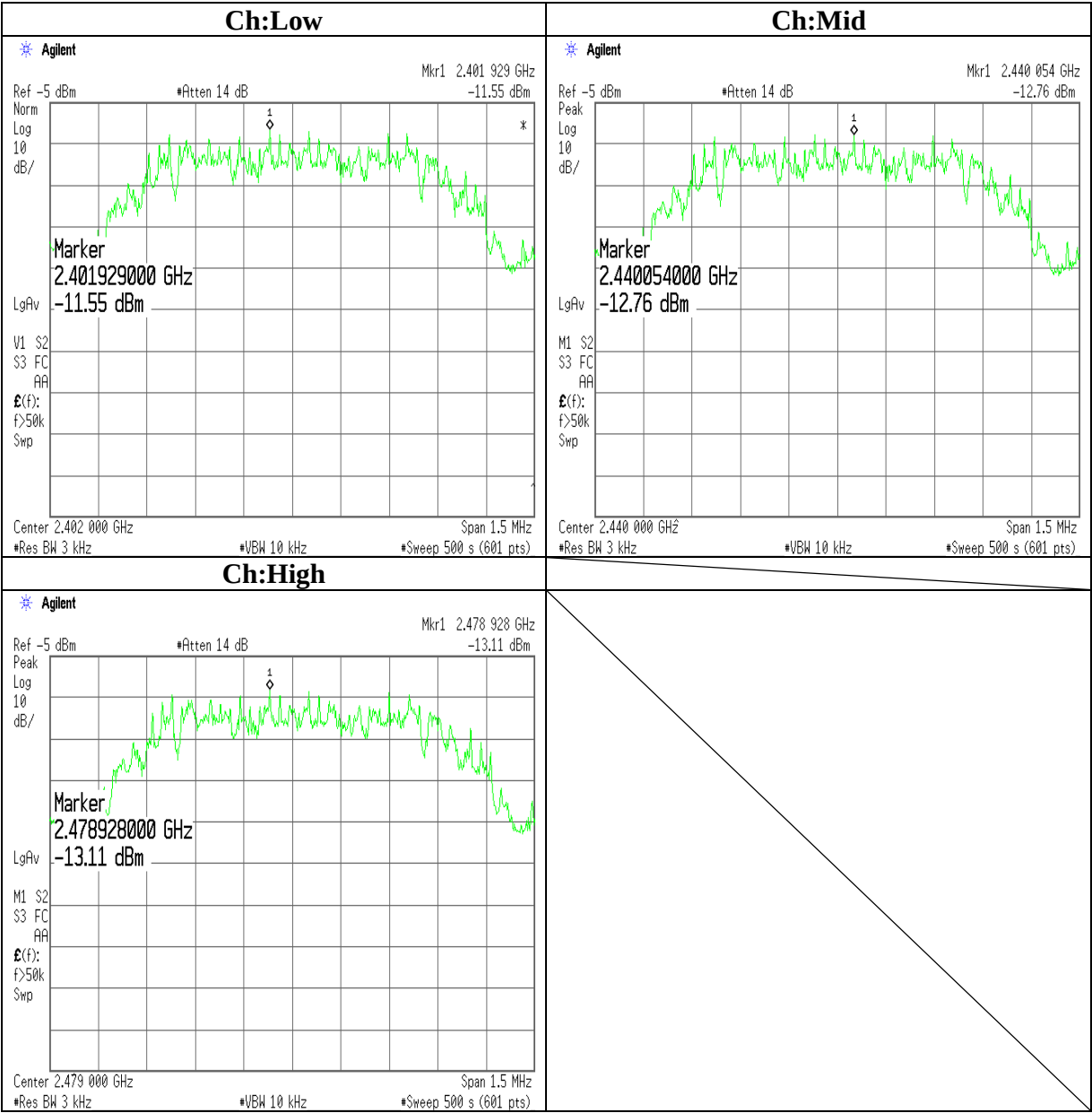


Power Density(DSSS and other forms of modulation)

[IEEE802.11g 54Mbps]Main Antenna

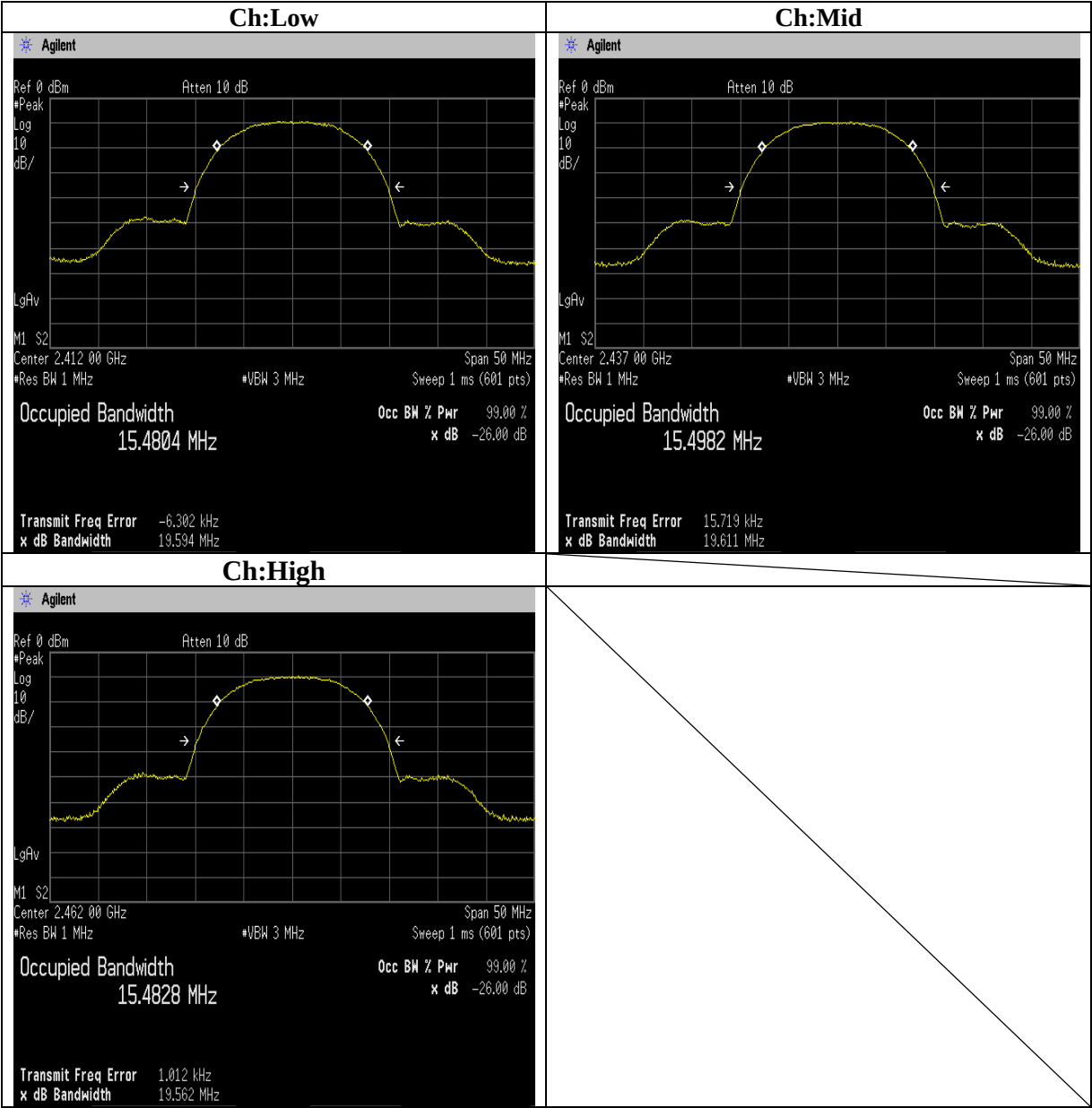


Power Density(DSSS and other forms of modulation) Receiver



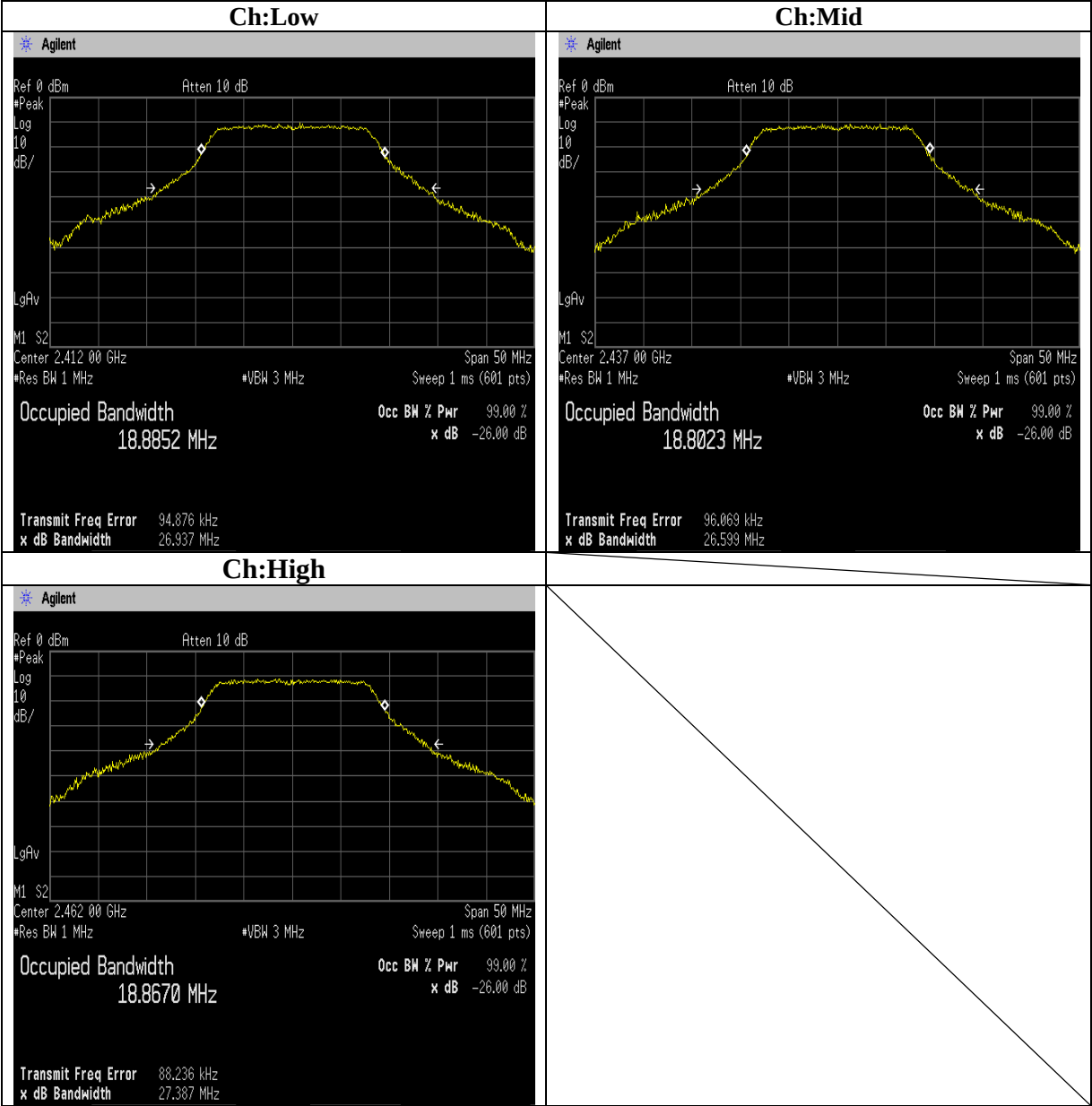
99%Occupied Bandwidth(DSSS and other forms of modulation)

[IEEE802.11b]Main Antenna



99%Occupied Bandwidth(DSSS and other forms of modulation)

[IEEE802.11g 54Mbps]Main Antenna



99%Occupied Bandwidth(DSSS and other forms of modulation)

Receiver

