

APPENDIX 2: Data of EMI test

Conducted Emission
11b Tx, Ch:Low

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/06/29

Company

Kind of EUT

Model No.

Serial No.

: Fujitsu Limited

: B-PAD

: CA06178-A521

: 0001

Report No.

Power

Temp./Humi.

Operator

: 27KE0162-H0

: AC 120V / 60Hz

: 26deg. C / 64%

: Hisayoshi Sato

Mode / Remarks: WLAN 11b Tx 11Mbps 2412MHz

LIMIT : FCC15. 207 QP
FCC15. 207 AV

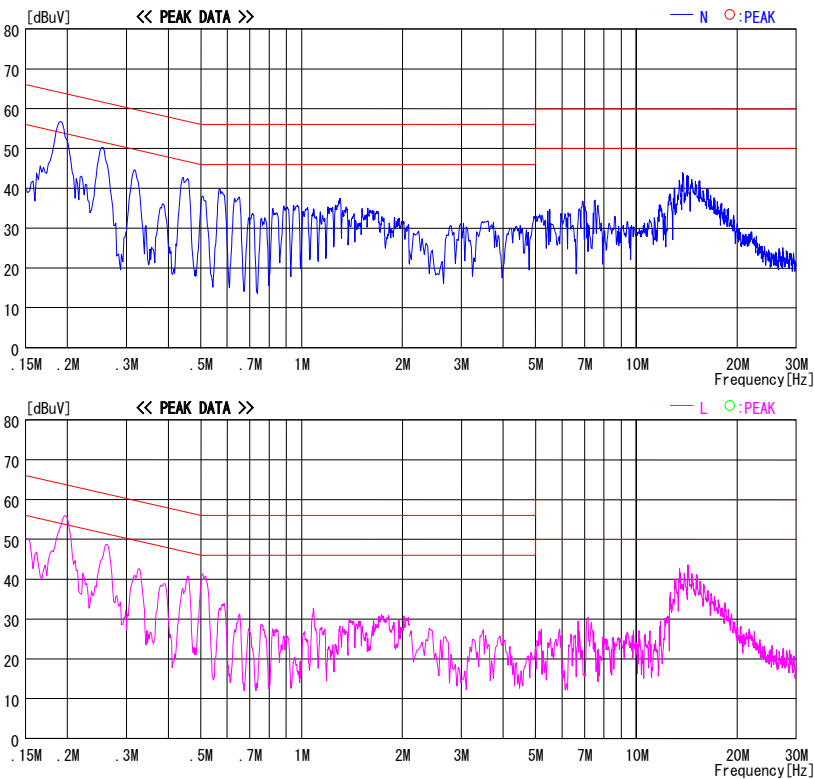


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN LOSS+CABLE
Except for the above table : adequate margin data below the limits.

Conducted Emission

11b Tx, Ch:Mid

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber

Date : 2007/06/29

Company : Fujitsu Limited

Kind of EUT : B-PAD

Model No. : CA06178-A521

Serial No. : 0001

Report No. : 27KE0162-HO

Power : AC 120V / 60Hz

Temp./Humi. : 26deg. C / 64%

Operator : Hisayoshi Sato

Mode / Remarks : WLAN 11b Tx 11Mbps 2437MHz

LIMIT : FCC15.207 OP

FCC15.207 AV

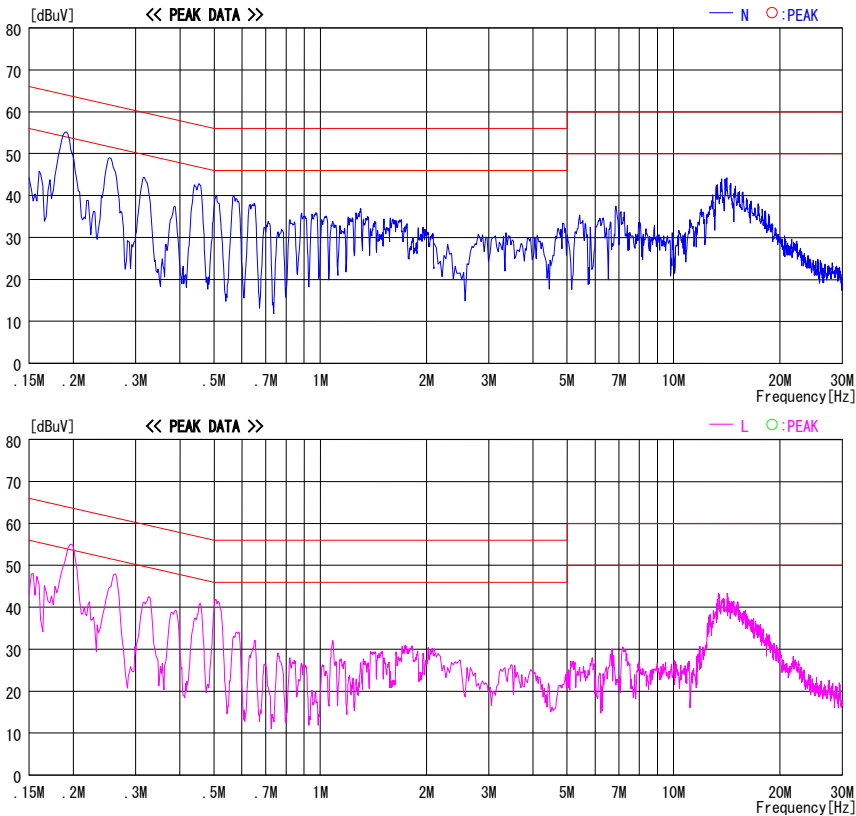


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C. F[dB] (LISN LOSS+CABLE LOSS)

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

Conducted Emission

11b Tx, Ch:High

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber

Date : 2007/06/29

Company : Fujitsu Limited

Kind of EUT : B-PAD

Model No. : CA06178-A521

Serial No. : 0001

Report No. : 27KE0162-H0

Power : AC 120V / 60Hz

Temp./Humi. : 26deg.C / 64%

Operator : Hisayoshi Sato

Mode / Remarks : WLAN 11b Tx 11Mbps 2462MHz

LIMIT : FCC15.207 QP

FCC15.207 AV

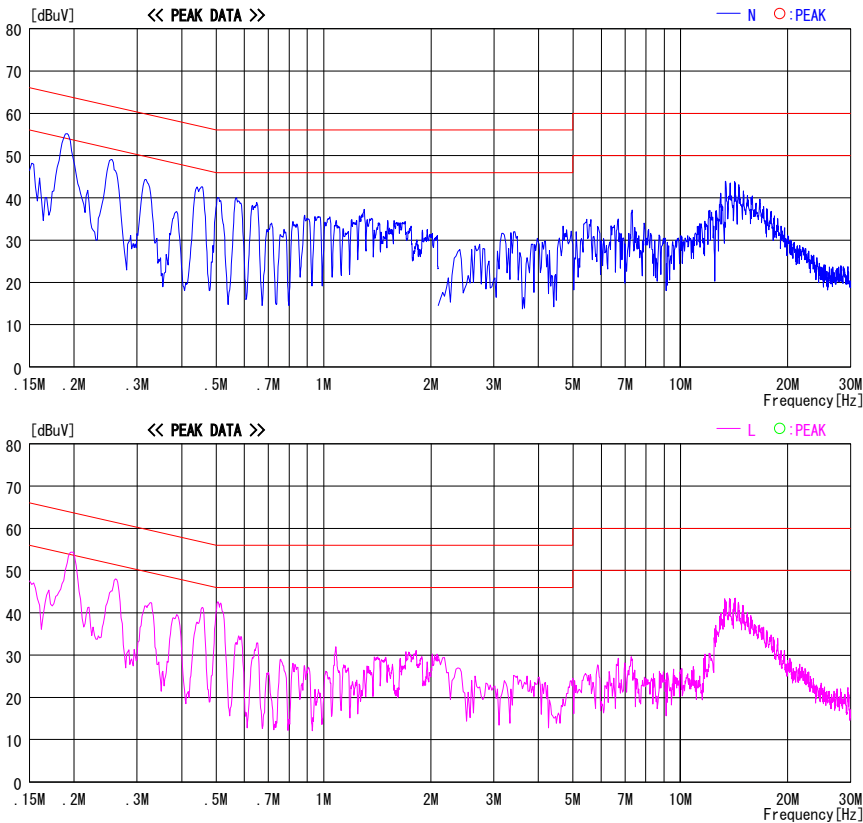


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)

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

Conducted Emission
11g Tx, Ch:Low

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2007/06/29

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001

Report No. : 27KE0162-H0
Power : AC 120V / 60Hz
Temp./Humi. : 26deg. C / 64%
Operator : Hisayoshi Sato

Mode / Remarks : WLAN 11g Tx 54Mbps 2412MHz

LIMIT : FCC15.207 QP
FCC15.207 AV

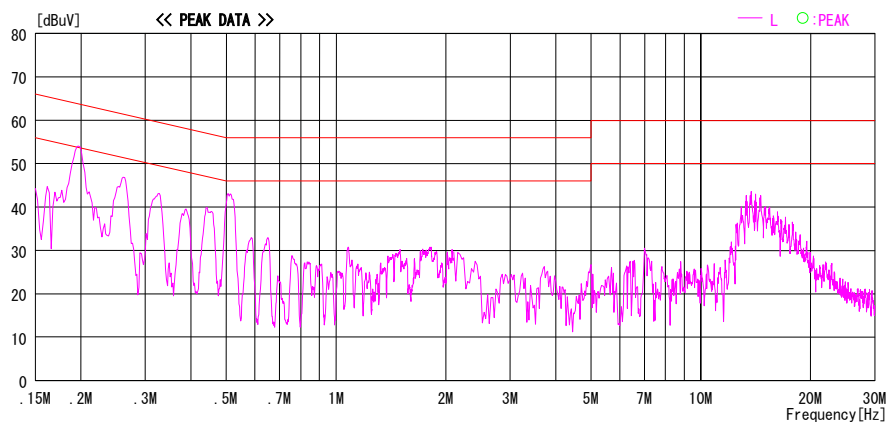
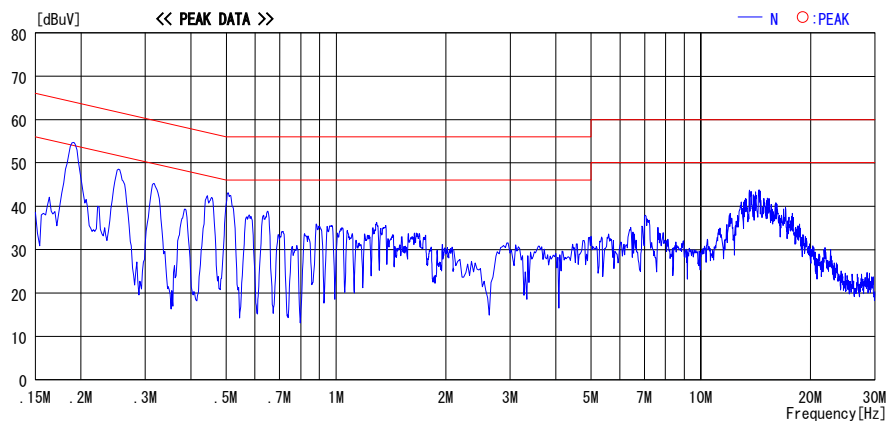


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (L1SN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission
11g Tx, Ch:Mid

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2007/06/29

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001

Report No. : 27KE0162-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg. C / 64%
Operator : Hisayoshi Sato

Mode / Remarks : WLAN 11g Tx 54Mbps 2437MHz

LIMIT : FCC15.207 QP
FCC15.207 AV

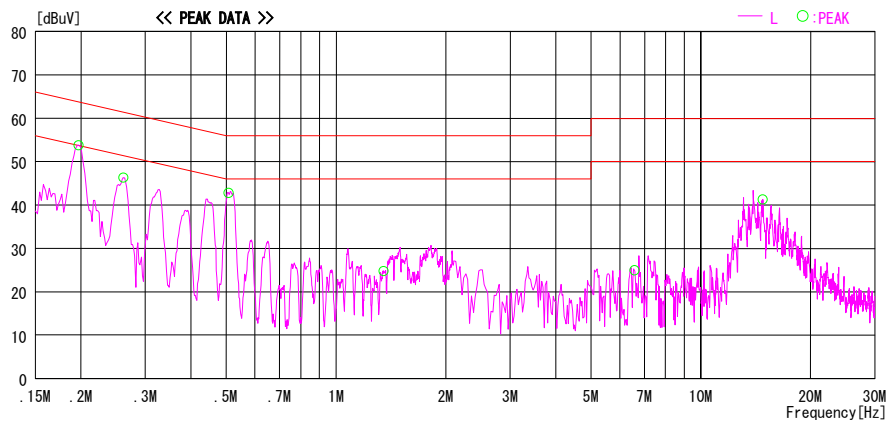
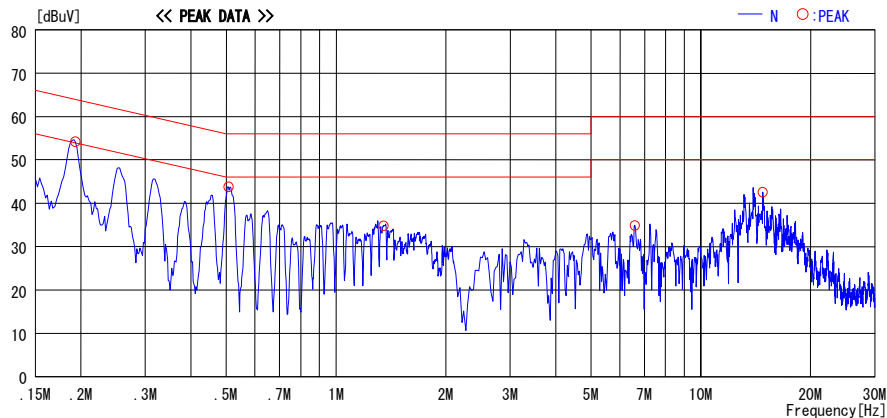


CHART:WITH FACTOR, Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C. F[dB] (L1SN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

11g Tx, Ch:High

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber

Date : 2007/06/29

Company : Fujitsu Limited

Kind of EUT : B-PAD

Model No. : CA06178-A521

Serial No. : 0001

Report No. : 27KE0162-H0

Power : AC 120V / 60Hz

Temp./Humi. : 26deg.C / 64%

Operator : Hisayoshi Sato

Mode / Remarks : WLAN 11g Tx 54Mbps 2462MHz

LIMIT : FCC15.207 QP

FCC15.207 AV

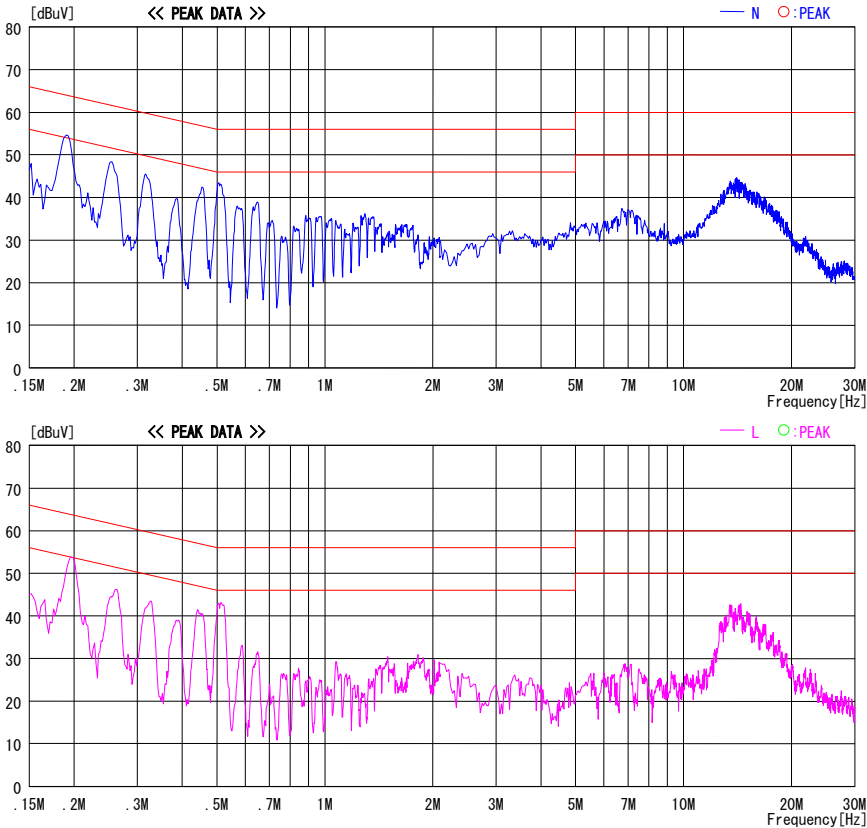


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)

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

Conducted Emission

11g Tx, Ch:Mid

DATA OF CONDUCTED EMISSION TEST

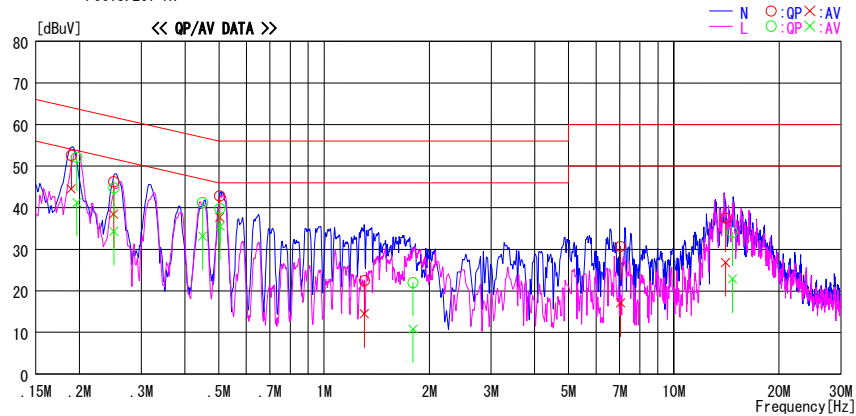
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/06/29

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001

Report No. : 27KE0162-HO
Power : AC 120V / 60Hz
Temp./Humi. : 26deg.C / 64%
Operator : Hisayoshi Sato

Mode / Remarks : WLAN 11g Tx 54Mbps 2437MHz

LIMIT : FCC15.207 QP
FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.18945	52.3	44.2	0.3	52.6	44.5	64.1	54.1	11.5	9.6	N
0.19640	51.8	40.9	0.3	52.1	41.2	63.8	53.8	11.7	12.6	L
0.25000	45.9	38.1	0.3	46.2	38.4	61.8	51.8	15.6	13.4	N
1.30300	22.1	14.1	0.4	22.5	14.5	56.0	46.0	33.5	31.5	N
0.25069	44.5	34.0	0.3	44.8	34.3	61.7	51.7	16.9	17.4	L
0.44940	40.9	32.8	0.3	41.2	33.1	56.9	46.9	15.7	13.8	L
0.50265	42.5	37.4	0.3	42.8	37.7	56.0	46.0	13.2	8.3	N
1.79660	21.6	10.4	0.4	22.0	10.8	56.0	46.0	34.0	35.2	L
0.50399	39.5	35.2	0.3	39.8	35.5	56.0	46.0	16.2	10.5	L
7.03960	29.7	16.1	1.0	30.7	17.1	60.0	50.0	29.3	32.9	N
14.06700	36.1	25.4	1.4	37.5	26.8	60.0	50.0	22.5	23.2	N
14.71120	32.6	21.4	1.5	34.1	22.9	60.0	50.0	25.9	27.1	L

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

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

Conducted Emission

11b Rx, Ch:Mid

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber

Date : 2007/06/29

Company : Fujitsu Limited

Kind of EUT : B-PAD

Model No. : CA06178-A521

Serial No. : 0001

Report No. : 27KE0162-H0

Power : AC 120V / 60Hz

Temp./Humi. : 26deg. C / 64%

Operator : Hisayoshi Sato

Mode / Remarks : WLAN 11b Rx 2437MHz

LIMIT : FCC15.207 QP

FCC15.207 AV

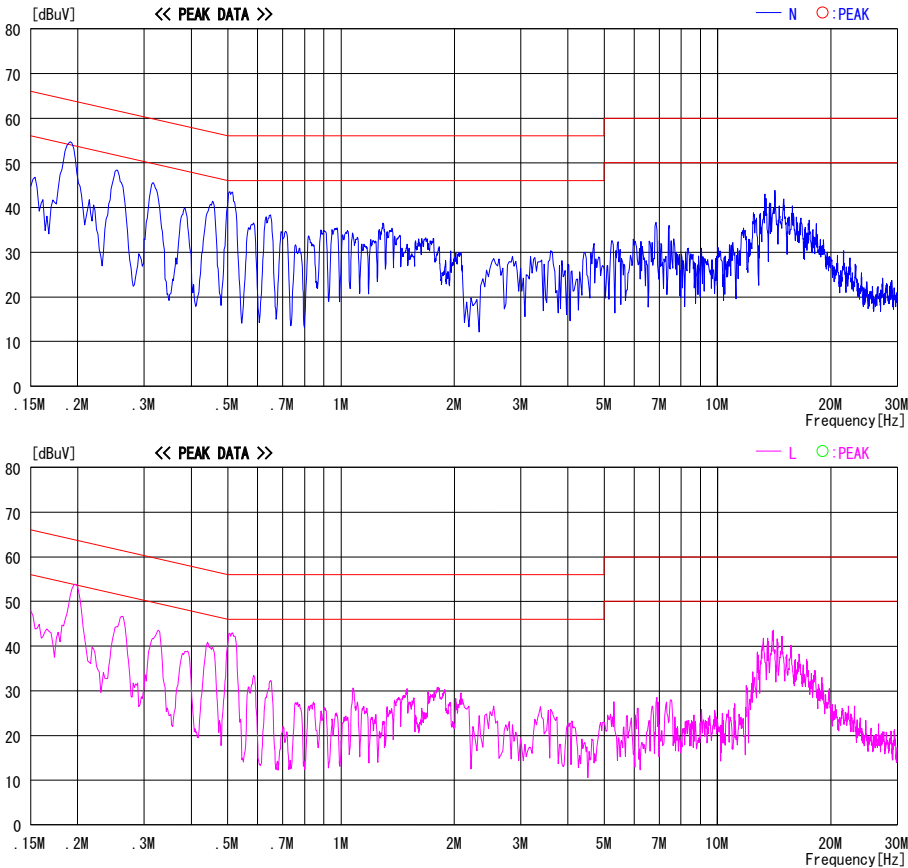


CHART:WITH FACTOR,Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C. F[dB] (L1SN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission
11g Rx, Ch:Mid

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2007/06/29

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001

Report No. : 27KE0162-H0
Power : AC 120V / 60Hz
Temp./Humi. : 26deg. C / 64%
Operator : Hisayoshi Sato

Mode / Remarks : WLAN 11g Rx 2437MHz

LIMIT : FCC15.207 QP
FCC15.207 AV

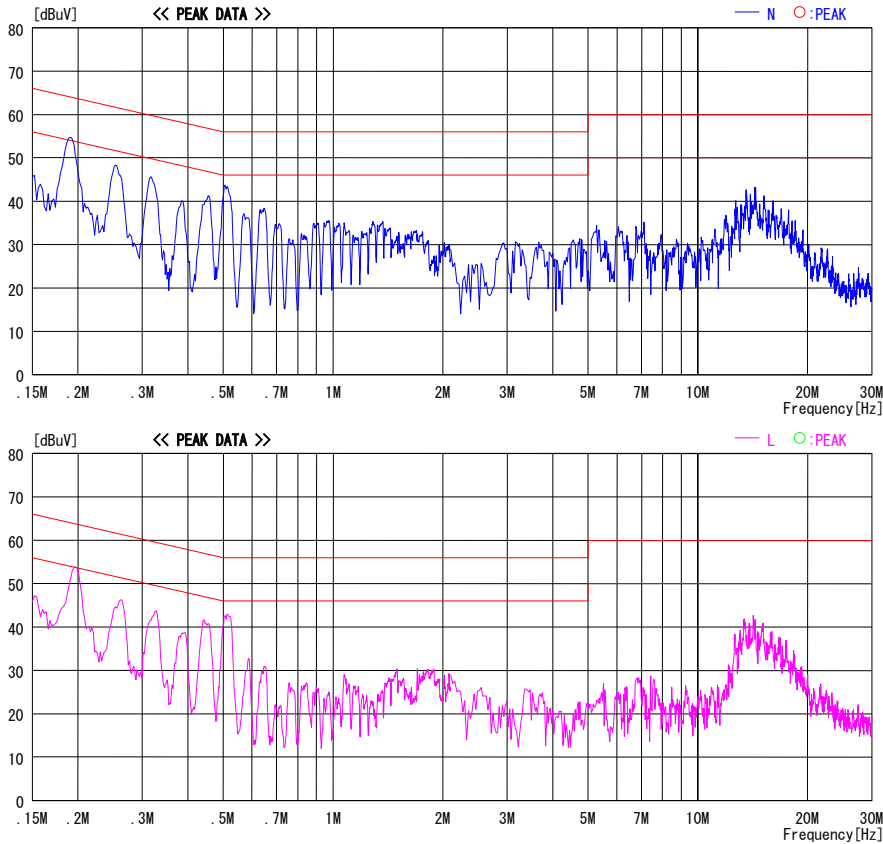


CHART:WITH FACTOR, Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C. F[dB] (L1SN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

6dB Bandwidth

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

Company : Fujitsu Limited
Equipment : B-PAD
Model : CA06178-A521
Sample No. : 0001
Power : DC 3.7V
Mode : Tx (Ch L, M, H)

REPORT NO : 23KE0162-HO
REGULATION : FCC15.247(a)(2)/RSS-210A8.2(a)
TEST DISTANCE : -
DATE : 06/25/2007
TEMPERATURE : 24°C
HUMIDITY : 54%
ENGINEER : Shinya Watanabe

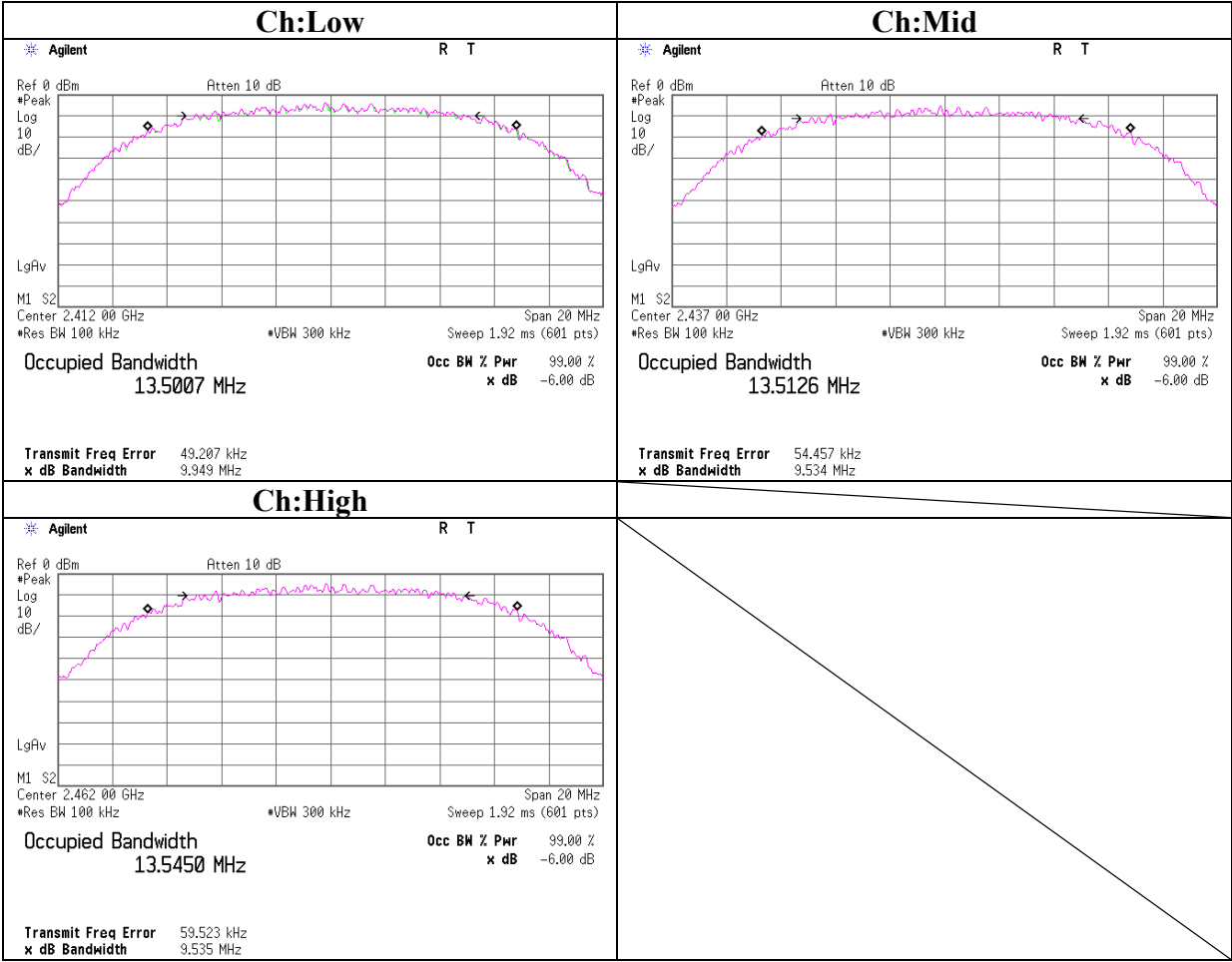
[IEEE802.11b]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	9.949	>500
Mid	2437.0	9.534	>500
High	2462.0	9.535	>500

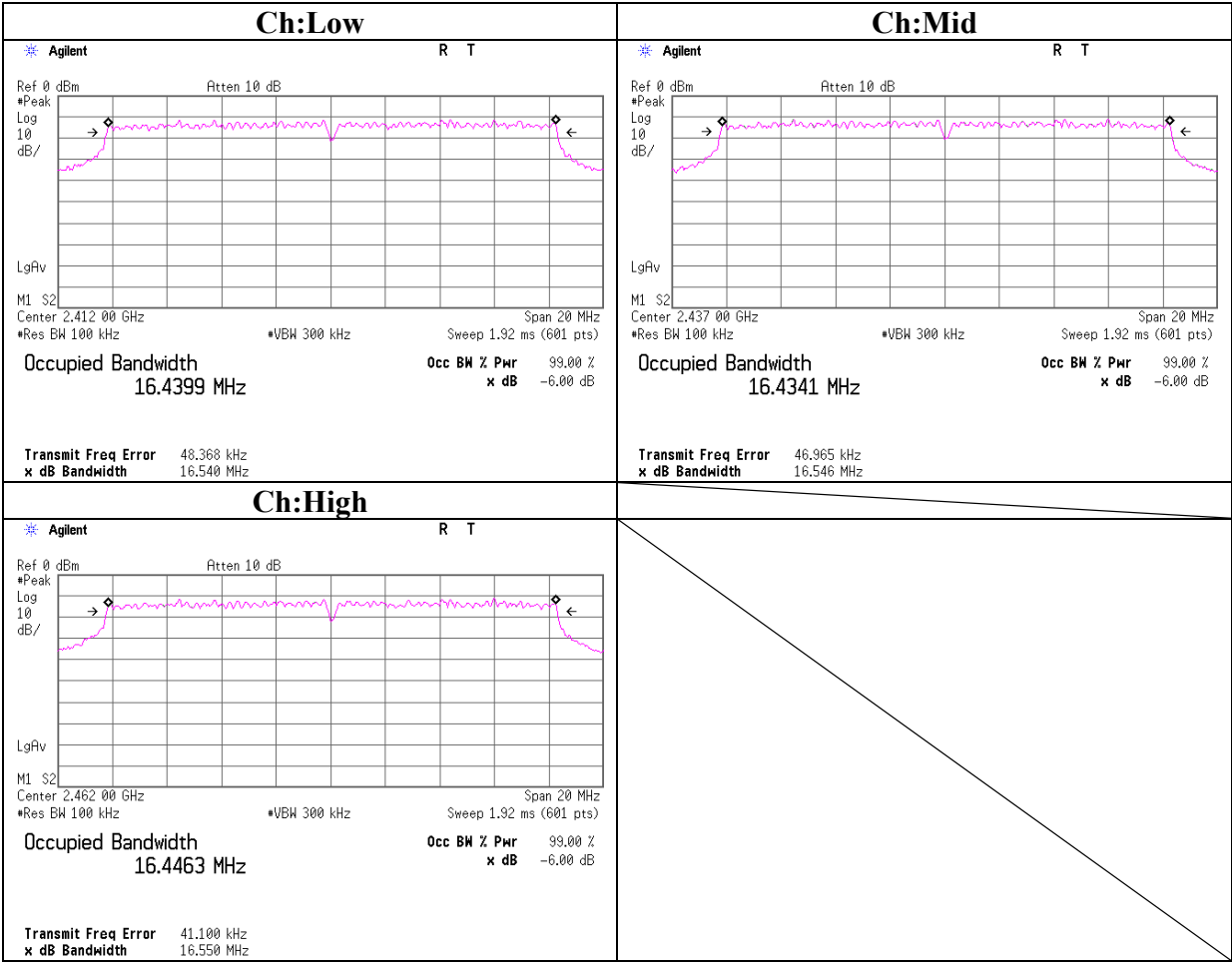
[IEEE802.11g]

Ch	Freq. [MHz]	6dB Bandwidth [MHz]	Limit [kHz]
Low	2412.0	16.540	>500
Mid	2437.0	16.546	>500
High	2462.0	16.550	>500

6dB Bandwidth
11b(11Mbps)



6dB Bandwidth
11g (54Mbps)



Maximum Peak Output Power

UL Japan, Inc.
Head Office EMC Lab. No.4 Shielded Room

Company : Fujitsu Limited
Equipment : B-PAD
Model : CA06178-A521
Sample No. : 0001
Power : DC 3.7V
Mode : Tx 11b 11Mbps / 11g 54Mbps

REPORT NO : 27KE0162-HO
REGULATION : FCC15.247(b)(3)/RSS-210A8.4(4)
TEST DISTANCE : -
DATE : 6/22/2007
TEMPERATURE : 27deg.C.
HUMIDITY : 64%
ENGINEER : Shinya Watanabe

[IEEE802.11b] PK

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	9.75	0.00	10.00	19.75	94.31	30.00	1000	10.25
Mid	2437.0	9.94	0.00	10.03	19.97	99.21	30.00	1000	10.03
High	2462.0	9.91	0.00	10.03	19.94	98.65	30.00	1000	10.06

[IEEE802.11g] PK

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	10.73	0.00	10.00	20.73	118.18	30.00	1000	9.27
Mid	2437.0	10.87	0.00	10.03	20.90	122.90	30.00	1000	9.10
High	2462.0	10.84	0.00	10.03	20.87	122.21	30.00	1000	9.13

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

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

[IEEE802.11b] AV(Reference data for SAR testing)

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	7.29	0.00	10.02	17.31	53.83	-	-	-
Mid	2437.0	8.51	0.00	10.02	18.53	71.29	-	-	-
High	2462.0	8.09	0.00	10.02	18.11	64.71	-	-	-

[IEEE802.11g] AV(Reference data for SAR testing)

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2412.0	4.40	0.00	10.02	14.42	27.67	-	-	-
Mid	2437.0	4.61	0.00	10.02	14.63	29.04	-	-	-
High	2462.0	4.78	0.00	10.02	14.80	30.20	-	-	-

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

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

UL Japan, Inc.

Head Office EMC Lab.

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

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Radiated Spurious Emission (below 1GHz)
11b Tx, Ch:Low

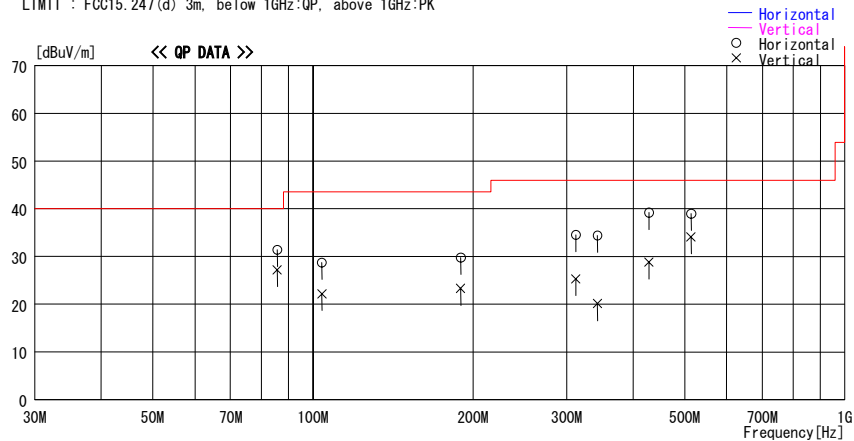
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/06/23

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001
Report No. : 27KE0162-HO
Power : DC 3.7V
Temp./Humi. : 25deg.C / 63%
Operator : Shinya Watanabe

Mode / Remarks : WLAN 11b Tx 11Mbps 2412MHz Max-Axis

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]				
85.709	47.6	QP	7.9	-24.1	31.4	Hori.	40.0	8.6
85.709	43.4	QP	7.9	-24.1	27.2	Vert.	40.0	12.8
103.992	41.6	QP	11.0	-23.9	28.7	Hori.	43.5	14.8
103.992	35.1	QP	11.0	-23.9	22.2	Vert.	43.5	21.3
189.647	36.1	QP	16.6	-22.9	29.8	Hori.	43.5	13.7
189.647	29.6	QP	16.6	-22.9	23.3	Vert.	43.5	20.2
311.990	40.3	QP	16.2	-22.0	34.5	Hori.	46.0	11.5
311.990	31.1	QP	16.2	-22.0	25.3	Vert.	46.0	20.7
342.812	39.5	QP	16.7	-21.8	34.4	Hori.	46.0	11.6
342.812	25.2	QP	16.7	-21.8	20.1	Vert.	46.0	25.9
428.534	42.4	QP	18.1	-21.3	39.2	Hori.	46.0	6.8
428.534	32.0	QP	18.1	-21.3	28.8	Vert.	46.0	17.2
514.247	40.1	QP	19.6	-20.7	39.0	Hori.	46.0	7.0
514.247	35.2	QP	19.6	-20.7	34.1	Vert.	46.0	11.9

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

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

Radiated Spurious Emission (below 1GHz)
11b Tx, Ch:Mid

DATA OF RADIATED EMISSION TEST

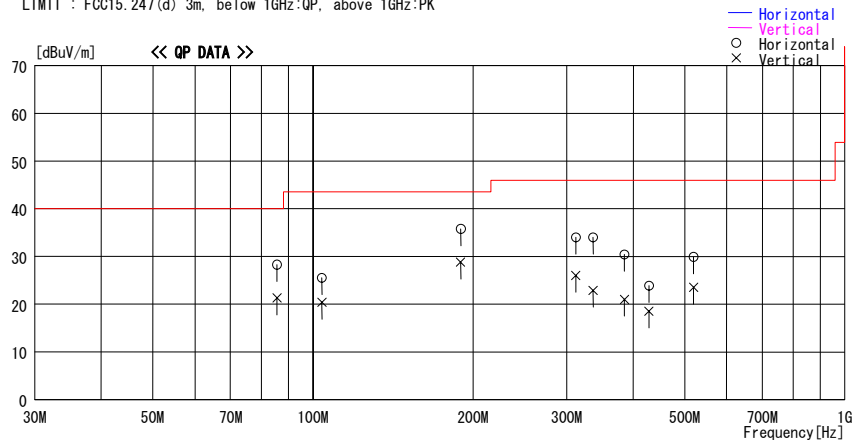
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/06/23

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001

Report No. : 27KE0162-HO
Power : DC 3.7V
Temp./Humi. : 25deg.C / 63%
Operator : Shinya Watanabe

Mode / Remarks : WLAN 11b Tx 11Mbps 2437MHz Max-Axis

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]				
85.644	44.5	QP	7.9	-24.1	28.3	Hori.	40.0	11.7
85.644	37.5	QP	7.9	-24.1	21.3	Vert.	40.0	18.7
103.992	38.4	QP	11.0	-23.9	25.5	Hori.	43.5	18.0
103.992	33.3	QP	11.0	-23.9	20.4	Vert.	43.5	23.1
189.647	42.1	QP	16.6	-22.9	35.8	Hori.	43.5	7.7
189.647	35.1	QP	16.6	-22.9	28.8	Vert.	43.5	14.7
311.990	39.8	QP	16.2	-22.0	34.0	Hori.	46.0	12.0
311.990	31.8	QP	16.2	-22.0	26.0	Vert.	46.0	20.0
336.461	39.2	QP	16.6	-21.8	34.0	Hori.	46.0	12.0
336.461	28.1	QP	16.6	-21.8	22.9	Vert.	46.0	23.1
385.404	34.5	QP	17.4	-21.5	30.4	Hori.	46.0	15.6
385.404	25.1	QP	17.4	-21.5	21.0	Vert.	46.0	25.0
428.534	27.1	QP	18.1	-21.3	23.9	Hori.	46.0	22.1
428.534	21.7	QP	18.1	-21.3	18.5	Vert.	46.0	27.5
519.984	31.0	QP	19.6	-20.7	29.9	Hori.	46.0	16.1
519.984	24.6	QP	19.6	-20.7	23.5	Vert.	46.0	22.5

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

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

Radiated Spurious Emission (below 1GHz)
11b Tx, Ch:High

DATA OF RADIATED EMISSION TEST

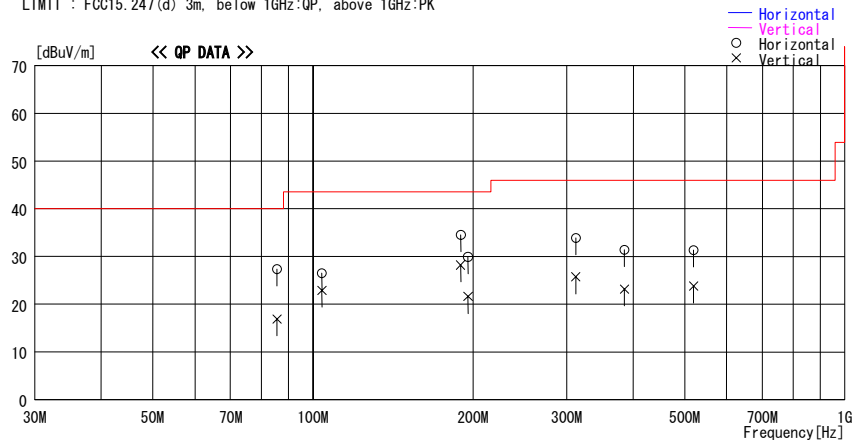
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/06/23

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001

Report No. : 27KE0162-H0
Power : DC 3.7V
Temp./Humi. : 25deg.C / 63%
Operator : Shinya Watanabe

Mode / Remarks : WLAN 11b Tx 11Mbps 2462MHz Max-Axis

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit	Margin
			Factor [dB/m]	Gain [dB]			[dBuV/m]	[dB]
85.645	43.6	QP	7.9	-24.1	27.4	Hori.	40.0	12.6
85.645	33.1	QP	7.9	-24.1	16.9	Vert.	40.0	23.1
103.992	39.4	QP	11.0	-23.9	26.5	Hori.	43.5	17.0
103.992	35.8	QP	11.0	-23.9	22.9	Vert.	43.5	20.6
189.647	40.8	QP	16.6	-22.9	34.5	Hori.	43.5	9.0
189.647	34.5	QP	16.6	-22.9	28.2	Vert.	43.5	15.3
195.762	36.2	QP	16.6	-22.9	29.9	Hori.	43.5	13.6
195.762	27.9	QP	16.6	-22.9	21.6	Vert.	43.5	21.9
311.990	39.7	QP	16.2	-22.0	33.9	Hori.	46.0	12.1
311.990	31.5	QP	16.2	-22.0	25.7	Vert.	46.0	20.3
385.407	35.5	QP	17.4	-21.5	31.4	Hori.	46.0	14.6
385.407	27.3	QP	17.4	-21.5	23.2	Vert.	46.0	22.8
519.984	32.4	QP	19.6	-20.7	31.3	Hori.	46.0	14.7
519.984	24.9	QP	19.6	-20.7	23.8	Vert.	46.0	22.2

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

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

Radiated Spurious Emission (below 1GHz)
11g Tx, Ch:Low

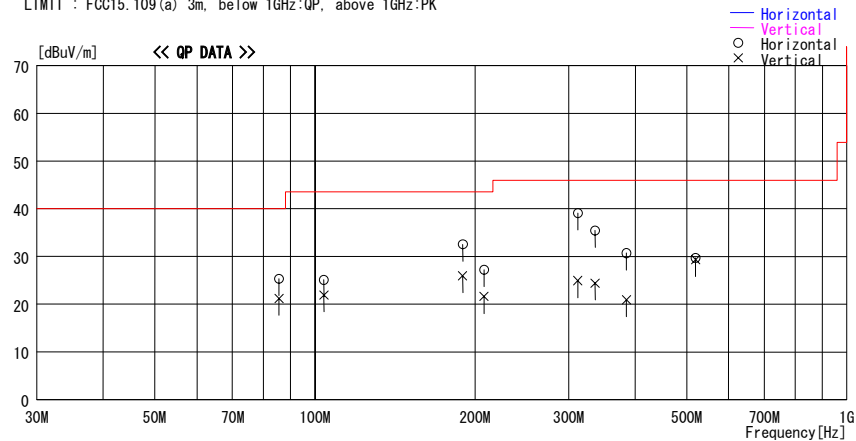
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/06/23

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001
Report No. : 27KE0162-HO
Power : DC 3.7V
Temp./Humi. : 25deg.C / 63%
Operator : Shinya Watanabe

Mode / Remarks : WLAN 11g TX 54Mbps 2412MHz Max-Axis

LIMIT : FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:PK



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]				
85.642	41.5	QP	7.9	-24.1	25.3	Hori.	40.0	14.7
85.642	37.4	QP	7.9	-24.1	21.2	Vert.	40.0	18.8
103.992	38.0	QP	11.0	-23.9	25.1	Hori.	43.5	18.4
103.992	34.8	QP	11.0	-23.9	21.9	Vert.	43.5	21.6
189.638	38.8	QP	16.6	-22.9	32.5	Hori.	43.5	11.0
189.638	32.2	QP	16.6	-22.9	25.9	Vert.	43.5	17.6
207.985	33.2	QP	16.8	-22.8	27.2	Hori.	43.5	16.3
207.985	27.6	QP	16.8	-22.8	21.6	Vert.	43.5	21.9
311.990	44.9	QP	16.2	-22.0	39.1	Hori.	46.0	6.9
311.990	30.7	QP	16.2	-22.0	24.9	Vert.	46.0	21.1
336.464	40.6	QP	16.6	-21.8	35.4	Hori.	46.0	10.6
336.464	29.6	QP	16.6	-21.8	24.4	Vert.	46.0	21.6
385.407	34.8	QP	17.4	-21.5	30.7	Hori.	46.0	15.3
385.407	25.0	QP	17.4	-21.5	20.9	Vert.	46.0	25.1
519.984	30.8	QP	19.6	-20.7	29.7	Hori.	46.0	16.3
519.984	30.4	QP	19.6	-20.7	29.3	Vert.	46.0	16.7

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

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

Radiated Spurious Emission (below 1GHz)
11g Tx, Ch:Mid

DATA OF RADIATED EMISSION TEST

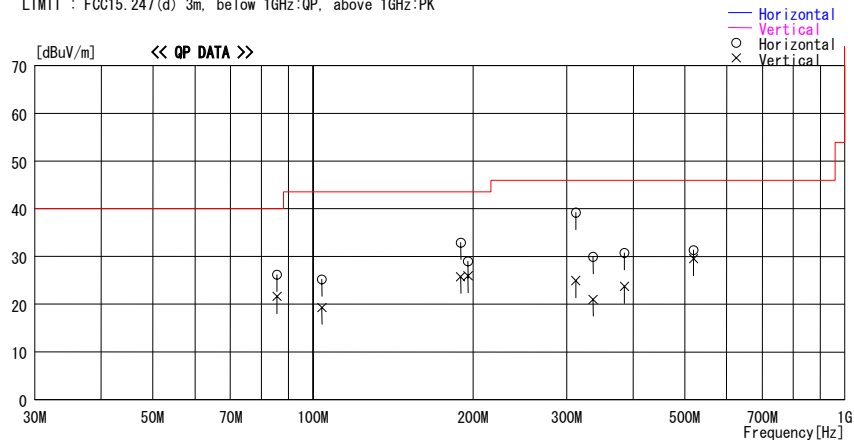
UL Japan, Inc. Head Office EMC Lab. No. 4 Semi Anechoic Chamber
Date : 2007/06/23

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001

Report No. : 27KE0162-HO
Power : DC 3.7V
Temp./Humi. : 25deg.C / 63%
Operator : Shinya Watanabe

Mode / Remarks : WLAN 11g Tx 54Mbps 2437MHz Max-Axis

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit		Margin
			Factor [dB/m]	Gain [dB]			[dBuV/m]	[dB]	
85.645	42.4	QP	7.9	-24.1	26.2	Hori.	40.0	13.8	
85.645	37.8	QP	7.9	-24.1	21.6	Vert.	40.0	18.4	
103.992	38.1	QP	11.0	-23.9	25.2	Hori.	43.5	18.3	
103.992	32.2	QP	11.0	-23.9	19.3	Vert.	43.5	24.2	
189.638	39.2	QP	16.6	-22.9	32.9	Hori.	43.5	10.6	
189.638	32.1	QP	16.6	-22.9	25.8	Vert.	43.5	17.7	
195.760	35.3	QP	16.6	-22.9	29.0	Hori.	43.5	14.5	
195.760	32.2	QP	16.6	-22.9	25.9	Vert.	43.5	17.6	
311.990	45.0	QP	16.2	-22.0	39.2	Hori.	46.0	6.8	
311.990	30.7	QP	16.2	-22.0	24.9	Vert.	46.0	21.1	
336.465	35.1	QP	16.6	-21.8	29.9	Hori.	46.0	16.1	
336.465	26.2	QP	16.6	-21.8	21.0	Vert.	46.0	25.0	
385.406	34.9	QP	17.4	-21.5	30.8	Hori.	46.0	15.2	
385.406	27.8	QP	17.4	-21.5	23.7	Vert.	46.0	22.3	
519.984	32.4	QP	19.6	-20.7	31.3	Hori.	46.0	14.7	
519.984	30.6	QP	19.6	-20.7	29.5	Vert.	46.0	16.5	

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

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

Radiated Spurious Emission (below 1GHz)
11g Tx, Ch:High

DATA OF RADIATED EMISSION TEST

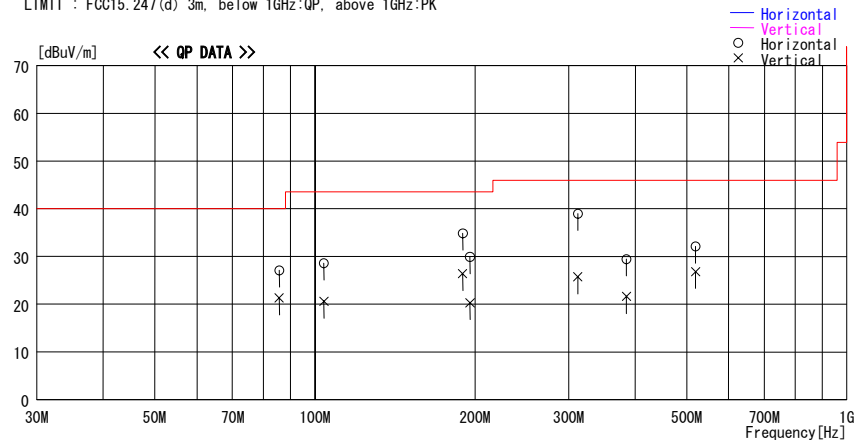
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/06/23

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001

Report No. : 27KE0162-H0
Power : DC 3.7V
Temp./Humi. : 25deg.C / 63%
Operator : Shinya Watanabe

Mode / Remarks : WLAN 11g Tx 54Mbps 2462MHz Max-Axis

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



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit	Margin
			Factor [dB/m]	Gain [dB]			[dBuV/m]	[dB]
85.670	43.3	QP	7.9	-24.1	27.1	Hori.	40.0	12.9
85.670	37.5	QP	7.9	-24.1	21.3	Vert.	40.0	18.7
103.992	41.5	QP	11.0	-23.9	28.6	Hori.	43.5	14.9
103.992	33.5	QP	11.0	-23.9	20.6	Vert.	43.5	22.9
189.638	41.2	QP	16.6	-22.9	34.9	Hori.	43.5	8.6
189.638	32.7	QP	16.6	-22.9	26.4	Vert.	43.5	17.1
195.759	36.2	QP	16.6	-22.9	29.9	Hori.	43.5	13.6
195.759	26.6	QP	16.6	-22.9	20.3	Vert.	43.5	23.2
311.990	44.8	QP	16.2	-22.0	39.0	Hori.	46.0	7.0
311.990	31.5	QP	16.2	-22.0	25.7	Vert.	46.0	20.3
385.407	33.5	QP	17.4	-21.5	29.4	Hori.	46.0	16.6
385.407	25.7	QP	17.4	-21.5	21.6	Vert.	46.0	24.4
519.984	33.2	QP	19.6	-20.7	32.1	Hori.	46.0	13.9
519.984	27.9	QP	19.6	-20.7	26.8	Vert.	46.0	19.2

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

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

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

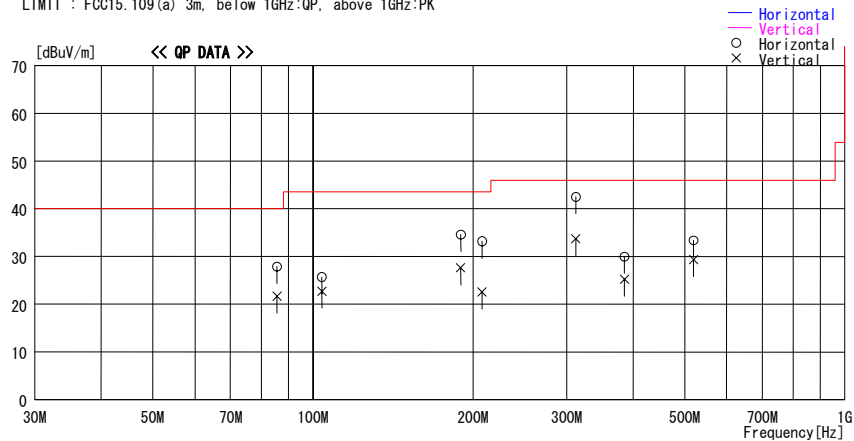
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/06/23

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001
Report No. : 27KE0162-HO
Power : DC 3.7V
Temp./Humi. : 25deg.C / 63%
Operator : Shinya Watanabe

Mode / Remarks : WLAN 11b RX 11Mbps 2437MHz Max-Axis

LIMIT : FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:PK



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss	Level [dBuV/m]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]				
85.650	44.1	QP	7.9	-24.1	27.9	Hori.	40.0	12.1
85.650	37.9	QP	7.9	-24.1	21.7	Vert.	40.0	18.3
103.992	38.6	QP	11.0	-23.9	25.7	Hori.	43.5	17.8
103.992	35.6	QP	11.0	-23.9	22.7	Vert.	43.5	20.8
189.647	40.9	QP	16.6	-22.9	34.6	Hori.	43.5	8.9
189.647	33.9	QP	16.6	-22.9	27.6	Vert.	43.5	15.9
207.992	39.2	QP	16.8	-22.8	33.2	Hori.	43.5	10.3
207.992	28.5	QP	16.8	-22.8	22.5	Vert.	43.5	21.0
311.990	48.3	QP	16.2	-22.0	42.5	Hori.	46.0	3.5
311.990	39.5	QP	16.2	-22.0	33.7	Vert.	46.0	12.3
385.407	34.1	QP	17.4	-21.5	30.0	Hori.	46.0	16.0
385.407	29.3	QP	17.4	-21.5	25.2	Vert.	46.0	20.8
519.984	34.5	QP	19.6	-20.7	33.4	Hori.	46.0	12.6
519.984	30.4	QP	19.6	-20.7	29.3	Vert.	46.0	16.7

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

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

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

DATA OF RADIATED EMISSION TEST

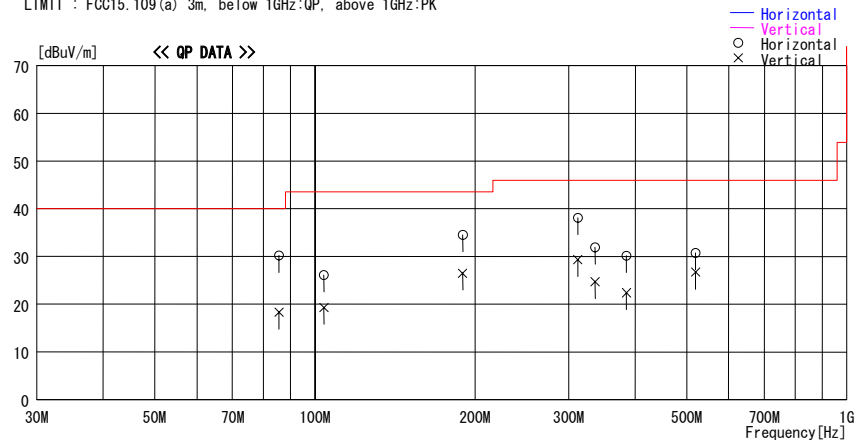
UL Japan, Inc. Head Office EMC Lab. No.4 Semi Anechoic Chamber
Date : 2007/06/23

Company : Fujitsu Limited
Kind of EUT : B-PAD
Model No. : CA06178-A521
Serial No. : 0001

Report No. : 27KE0162-HO
Power : DC 3.7V
Temp./Humi. : 25deg.C / 63%
Operator : Shinya Watanabe

Mode / Remarks : WLAN 11g Rx 54Mbps 2437MHz Max-Axis

LIMIT : FCC15.109(a) 3m, below 1GHz:QP, above 1GHz:PK



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss&	Level [dBuV/m]	Polar.	Limit	Margin
			Factor [dB/m]	Gain [dB]			[dBuV/m]	[dB]
85.640	46.4	QP	7.9	-24.1	30.2	Hori.	40.0	9.8
85.640	34.5	QP	7.9	-24.1	18.3	Vert.	40.0	21.7
103.992	39.0	QP	11.0	-23.9	26.1	Hori.	43.5	17.4
103.992	32.2	QP	11.0	-23.9	19.3	Vert.	43.5	24.2
189.638	40.8	QP	16.6	-22.9	34.5	Hori.	43.5	9.0
189.638	32.8	QP	16.6	-22.9	26.5	Vert.	43.5	17.0
311.990	43.9	QP	16.2	-22.0	38.1	Hori.	46.0	7.9
311.990	35.1	QP	16.2	-22.0	29.3	Vert.	46.0	16.7
336.464	37.1	QP	16.6	-21.8	31.9	Hori.	46.0	14.1
336.464	29.9	QP	16.6	-21.8	24.7	Vert.	46.0	21.3
385.407	34.2	QP	17.4	-21.5	30.1	Hori.	46.0	15.9
385.407	26.5	QP	17.4	-21.5	22.4	Vert.	46.0	23.6
519.984	31.9	QP	19.6	-20.7	30.8	Hori.	46.0	15.2
519.984	27.8	QP	19.6	-20.7	26.7	Vert.	46.0	19.3

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

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

Test report No. : 27KE0162-HO-A
Page : 38 of 60
Issued date : August 8, 2007
FCC ID : EJE-BPAD05

Radiated Spurious Emission (above 1GHz)
11b Tx, Ch:Low

UL Japan, Inc.
Head Office EMC Lab. No.4Semi Anechoic Chamber

Company : Fujitsu Limited
Equipment : B-PAD
Model : CA06178-A521
Sample No. : 0001
Power : DC 3.7V
Mode : WLAN 11b 11Mbps 2412MHz
Remarks : Hor X , Ver Y-axis

REPORT NO : 27KE0162-HO
REGULATION : FCC15.247(d)/RSS-210A8.5
TEST DISTANCE : 3/1m
DATE : 06/21/2007 : 06/29/2007
TEMPERATURE : 27deg.C : 24deg.C
HUMIDITY : 59% : 62%
ENGINEER : Shinya Watanabe : Shinya Watanabe

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1144.1	53.8	59.6	23.8	34.2	1.7	0.0	45.1	50.9	73.9	28.8	23.0
2	2390.0	61.2	59.7	26.6	32.1	2.5	0.0	58.2	56.7	73.9	15.7	17.2
3*	2400.0	72.4	68.2	26.6	32.1	2.5	0.0	69.4	65.2	73.9	-	-
4	4824.0	47.9	52.3	30.9	31.2	3.4	1.0	52.0	56.4	73.9	21.9	17.5
5	7236.0	42.4	42.0	35.3	32.5	4.2	0.7	50.1	49.7	73.9	23.8	24.2
6	9648.0	43.0	42.5	37.6	32.9	5.3	0.5	53.5	53.0	73.9	20.4	20.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12060.0	NS	NS	39.0	32.3	6.7	0.5	NS	NS	73.9	NS	NS
8	14772.0	NS	NS	40.9	31.2	6.9	0.7	NS	NS	73.9	NS	NS
9	16884.0	NS	NS	40.1	31.2	7.5	0.6	NS	NS	73.9	NS	NS
10	19296.0	NS	NS	37.5	31.7	7.9	0.0	NS	NS	73.9	NS	NS
11	21708.0	NS	NS	38.0	31.5	8.3	0.0	NS	NS	73.9	NS	NS
12	24120.0	46.5	46.7	38.7	30.5	9.3	0.0	54.5	54.7	73.9	19.4	19.2

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1144.1	35.1	36.6	23.8	34.2	1.7	0.0	26.4	27.9	53.9	27.5	26.0
2	2390.0	49.6	46.3	26.6	32.1	2.5	0.0	46.6	43.3	53.9	7.3	10.6
3*	2400.0	63.8	60.5	26.6	32.1	2.5	0.0	60.8	57.5	53.9	-	-
4	4824.0	34.2	38.3	30.9	31.2	3.4	1.0	38.3	42.4	53.9	15.6	11.5
5	7236.0	30.4	30.5	35.3	32.5	4.2	0.7	38.1	38.2	53.9	15.8	15.7
6	9648.0	30.5	30.8	37.6	32.9	5.3	0.5	41.0	41.3	53.9	12.9	12.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12060.0	NS	NS	39.0	32.3	6.7	0.5	NS	NS	53.9	NS	NS
8	14772.0	NS	NS	40.9	31.2	6.9	0.7	NS	NS	53.9	NS	NS
9	16884.0	NS	NS	40.1	31.2	7.5	0.6	NS	NS	53.9	NS	NS
10	19296.0	NS	NS	37.5	31.7	7.9	0.0	NS	NS	53.9	NS	NS
11	21708.0	NS	NS	38.0	31.5	8.3	0.0	NS	NS	53.9	NS	NS
12	24120.0	35.0	35.0	38.7	30.5	9.3	0.0	43.0	43.0	53.9	10.9	10.9

* Reference data

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
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2412.0	104.0	96.7	26.7	32.1	2.5	0.0	101.1	93.8	-	-	-
2	2400.0	60.9	57.6	26.6	32.1	2.5	0.0	57.9	54.6	Funda-20dB	23.2	19.2

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.

*NS: Non Signal

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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

Test report No. : 27KE0162-HO-A
Page : 39 of 60
Issued date : August 8, 2007
FCC ID : EJE-BPAD05

Radiated Spurious Emission(above 1GHz)
11b Tx, Ch: Mid

UL Japan, Inc.
Head Office EMC Lab. No.4Semi Anechoic Chamber

Company : Fujitsu Limited
Equipment : B-PAD
Model : CA06178-A521
Sample No. : 0001
Power : DC 3.7V
Mode : WLAN 11b 11Mbps 2437MHz
Remarks : Hor X , Ver Y-axis

REPORT NO : 27KE0162-HO
REGULATION : FCC15.247(d)/RSS-210A8.5
TEST DISTANCE : 3/1m
DATE : 06/21/2007 : 06/29/2007
TEMPERATURE : 27deg.C : 24deg.C
HUMIDITY : 59% : 62%
ENGINEER : Shinya Watanabe : Shinya Watanabe

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dB/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1144.0	54.9	60.7	23.8	34.2	1.7	0.0	46.2	52.0	73.9	27.7	21.9
2	4874.0	41.1	52.2	31.0	31.2	3.4	1.0	45.3	56.4	73.9	28.6	17.5
3	7311.0	42.9	43.6	35.4	32.5	4.3	0.7	50.8	51.5	73.9	23.1	22.4
4	9748.0	42.1	42.4	37.6	32.9	5.3	0.5	52.6	52.9	73.9	21.3	21.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12185.0	NS	NS	39.0	32.2	6.7	0.5	NS	NS	73.9	NS	NS
6	14622.0	NS	NS	40.7	31.1	7.0	0.6	NS	NS	73.9	NS	NS
7	17059.0	NS	NS	40.9	31.1	7.5	0.6	NS	NS	73.9	NS	NS
8	19496.0	NS	NS	37.5	31.8	7.9	0.0	NS	NS	73.9	NS	NS
9	21933.0	NS	NS	38.2	31.4	8.3	0.0	NS	NS	73.9	NS	NS
10	24370.0	46.6	46.9	38.8	30.3	9.4	0.0	55.0	55.3	73.9	18.9	18.6

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]		[dB]		
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1144.0	36.4	45.2	23.8	34.2	1.7	0.0	27.7	36.5	53.9	26.2	17.4
2	4874.0	34.0	38.3	31.0	31.2	3.4	1.0	38.2	42.5	53.9	15.7	11.4
3	7311.0	30.6	30.5	35.4	32.5	4.3	0.7	38.5	38.4	53.9	15.4	15.5
4	9748.0	30.0	30.8	37.6	32.9	5.3	0.5	40.5	41.3	53.9	13.4	12.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12185.0	NS	NS	39.0	32.2	6.7	0.5	NS	NS	53.9	NS	NS
6	14622.0	NS	NS	40.7	31.1	7.0	0.6	NS	NS	53.9	NS	NS
7	17059.0	NS	NS	40.9	31.1	7.5	0.6	NS	NS	53.9	NS	NS
8	19496.0	NS	NS	37.5	31.8	7.9	0.0	NS	NS	53.9	NS	NS
9	21933.0	NS	NS	38.2	31.4	8.3	0.0	NS	NS	53.9	NS	NS
10	24370.0	34.7	34.7	38.8	30.3	9.4	0.0	43.1	43.1	53.9	10.8	10.8

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.

*NS: Non Signal

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Test report No. : 27KE0162-HO-A
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Issued date : August 8, 2007
FCC ID : EJE-BPAD05

Radiated Spurious Emission(above 1GHz)
11b Tx, Ch: High

UL Japan, Inc.
Head Office EMC Lab. No.4Semi Anechoic Chamber

Company : Fujitsu Limited
Equipment : B-PAD
Model : CA06178-A521
Sample No. : 0001
Power : DC 3.7V
Mode : WLAN 11b 11Mbps 2462MHz
Remarks : Hor X , Ver Y-axis

REPORT NO : 27KE0162-HO
REGULATION : FCC15.247(d)/RSS-210A8.5
TEST DISTANCE : 3/1m
DATE : 06/21/2007 : 06/29/2007
TEMPERATURE : 27deg.C : 24deg.C
HUMIDITY : 59% : 62%
ENGINEER : Shinya Watanabe : Shinya Watanabe

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1144.0	54.8	60.3	23.8	34.2	1.7	0.0	46.1	51.6	73.9	27.8	22.3
2	2483.5	64.6	59.3	26.8	32.1	2.6	0.0	61.9	56.6	73.9	12.0	17.3
3	4924.0	46.6	51.5	31.1	31.2	3.4	1.0	50.9	55.8	73.9	23.0	18.1
4	7386.0	42.7	42.7	35.6	32.6	4.3	0.7	50.7	50.7	73.9	23.2	23.2
5	9848.0	42.7	42.1	37.6	32.9	5.4	0.5	53.3	52.7	73.9	20.6	21.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12310.0	NS	NS	39.0	32.1	6.7	0.5	NS	NS	73.9	NS	NS
7	14772.0	NS	NS	40.6	31.0	7.0	0.6	NS	NS	73.9	NS	NS
8	17234.0	NS	NS	42.3	31.1	7.5	0.7	NS	NS	73.9	NS	NS
9	19696.0	NS	NS	37.5	31.8	8.0	0.0	NS	NS	73.9	NS	NS
10	22158.0	NS	NS	38.3	31.3	8.4	0.0	NS	NS	73.9	NS	NS
11	24620.0	47.5	47.6	38.8	30.2	9.4	0.0	56.0	56.1	73.9	17.9	17.8

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
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1144.0	36.0	44.5	23.8	34.2	1.7	0.0	27.3	35.8	53.9	26.6	18.1
2	2483.5	53.4	47.0	26.8	32.1	2.6	0.0	50.7	44.3	53.9	3.2	9.6
3	4924.0	33.5	37.9	31.1	31.2	3.4	1.0	37.8	42.2	53.9	16.1	11.7
4	7386.0	30.7	30.7	35.6	32.6	4.3	0.7	38.7	38.7	53.9	15.2	15.2
5	9848.0	30.2	30.5	37.6	32.9	5.4	0.5	40.8	41.1	53.9	13.1	12.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12310.0	NS	NS	39.0	32.1	6.7	0.5	NS	NS	53.9	NS	NS
7	14772.0	NS	NS	40.6	31.0	7.0	0.6	NS	NS	53.9	NS	NS
8	17234.0	NS	NS	42.3	31.1	7.5	0.7	NS	NS	53.9	NS	NS
9	19696.0	NS	NS	37.5	31.8	8.0	0.0	NS	NS	53.9	NS	NS
10	22158.0	NS	NS	38.3	31.3	8.4	0.0	NS	NS	53.9	NS	NS
11	24620.0	35.3	35.2	38.8	30.2	9.4	0.0	43.8	43.7	53.9	10.1	10.2

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.

*NS: Non Signal

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Test report No. : 27KE0162-HO-A
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FCC ID : EJE-BPAD05

Radiated Spurious Emission(above 1GHz)
11g Tx, Ch: Low

UL Japan, Inc.
Head Office EMC Lab. No.4Semi Anechoic Chamber

Company : Fujitsu Limited
Equipment : B-PAD
Model : CA06178-A521
Sample No. : 0001
Power : DC 3.7V
Mode : WLAN 11g 54Mbps 2412MHz
Remarks : Hor X , Ver Y-axis

REPORT NO : 27KE0162-HO
REGULATION : FCC15.247(d)/RSS-210A8.5
TEST DISTANCE : 3/1m
DATE : 06/21/2007 : 06/29/2007
TEMPERATURE : 27deg.C : 24deg.C
HUMIDITY : 59% : 62%
ENGINEER : Shinya Watanabe : Shinya Watanabe

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1143.9	54.7	57.1	23.8	34.2	1.7	0.0	46.0	48.4	73.9	27.9	25.5
2	2390.0	66.8	65.1	26.6	32.1	2.5	0.0	63.8	62.1	73.9	10.1	11.8
3*	2400.0	83.1	80.8	26.6	32.1	2.5	0.0	80.1	77.8	73.9	-	-
4	4824.0	44.2	47.2	30.9	31.2	3.4	1.0	48.3	51.3	73.9	25.6	22.6
5	7236.0	41.6	41.4	35.3	32.5	4.2	0.7	49.3	49.1	73.9	24.6	24.8
6	9648.0	42.1	42.2	37.6	32.9	5.3	0.5	52.6	52.7	73.9	21.3	21.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12060.0	NS	NS	39.0	32.3	6.7	0.5	NS	NS	73.9	NS	NS
8	14472.0	NS	NS	40.9	31.2	6.9	0.7	NS	NS	73.9	NS	NS
9	16884.0	NS	NS	40.1	31.2	7.5	0.6	NS	NS	73.9	NS	NS
10	19296.0	NS	NS	37.5	31.7	7.9	0.0	NS	NS	73.9	NS	NS
11	21708.0	NS	NS	38.0	31.5	8.3	0.0	NS	NS	73.9	NS	NS
12	24120.0	45.6	45.7	38.7	30.5	9.3	0.0	53.6	53.7	73.9	20.3	20.2

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1143.9	37.5	40.3	23.8	34.2	1.7	0.0	28.8	31.6	53.9	25.1	22.3
2	2390.0	49.9	48.7	26.6	32.1	2.5	0.0	46.9	45.7	53.9	7.0	8.2
3*	2400.0	64.1	61.5	26.6	32.1	2.5	0.0	61.1	58.5	53.9	-	-
4	4824.0	32.7	35.7	30.9	31.2	3.4	1.0	36.8	39.8	53.9	17.1	14.1
5	7236.0	29.4	29.3	35.3	32.5	4.2	0.7	37.1	37.0	53.9	16.8	16.9
6	9648.0	29.1	29.3	37.6	32.9	5.3	0.5	39.6	39.8	53.9	14.3	14.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
7	12060.0	NS	NS	39.0	32.3	6.7	0.5	NS	NS	53.9	NS	NS
8	14472.0	NS	NS	40.9	31.2	6.9	0.7	NS	NS	53.9	NS	NS
9	16884.0	NS	NS	40.1	31.2	7.5	0.6	NS	NS	53.9	NS	NS
10	19296.0	NS	NS	37.5	31.7	7.9	0.0	NS	NS	53.9	NS	NS
11	21708.0	NS	NS	38.0	31.5	8.3	0.0	NS	NS	53.9	NS	NS
12	24120.0	34.0	34.0	38.7	30.5	9.3	0.0	42.0	42.0	53.9	11.9	11.9

* Reference data

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
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	2412.0	96.7	92.6	26.6	32.1	2.5	0.0	93.7	89.6	-	-	-
2	2400.0	65.6	63.2	26.6	32.1	2.5	0.0	62.6	60.2	Funda-20dB	11.1	9.4

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

*NS: Non Signal

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Test report No. : 27KE0162-HO-A
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Radiated Spurious Emission(above 1GHz)

11g Tx, Ch: Mid

UL Japan, Inc.
Head Office EMC Lab. No.4Semi Anechoic Chamber

Company : Fujitsu Limited
Equipment : B-PAD
Model : CA06178-A521
Sample No. : 0001
Power : DC 3.7V
Mode : WLAN 11g 54Mbps 2437MHz
Remarks : Hor X , Ver Y-axis

REPORT NO : 27KE0162-HO
REGULATION : FCC15.247(d)/RSS-210A8.5
TEST DISTANCE : 3/1m
DATE : 06/21/2007 : 06/29/2007
TEMPERATURE : 27deg.C : 24deg.C
HUMIDITY : 59% : 62%
ENGINEER : Shinya Watanabe : Shinya Watanabe

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dBuV/m]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1143.8	54.3	58.4	23.8	34.2	1.7	0.0	45.6	49.7	73.9	28.3	24.2
2	4874.0	42.1	41.4	31.0	31.2	3.4	1.0	46.3	45.6	73.9	27.6	28.3
3	7311.0	43.4	42.4	35.4	32.5	4.3	0.7	51.3	50.3	73.9	22.6	23.6
4	9748.0	41.5	42.3	37.6	32.9	5.3	0.5	52.0	52.8	73.9	21.9	21.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12185.0	NS	NS	39.0	32.2	6.7	0.5	NS	NS	73.9	NS	NS
6	14622.0	NS	NS	40.7	31.1	7.0	0.6	NS	NS	73.9	NS	NS
7	17059.0	NS	NS	49.9	31.1	7.5	0.6	NS	NS	73.9	NS	NS
8	19496.0	NS	NS	37.5	31.8	7.9	0.0	NS	NS	73.9	NS	NS
9	21933.0	NS	NS	38.2	31.4	8.3	0.0	NS	NS	73.9	NS	NS
10	24370.0	47.0	47.3	38.8	30.3	9.4	0.0	55.4	55.7	73.9	18.5	18.2

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1143.8	37.5	35.7	23.8	34.2	1.7	0.0	28.8	27.0	53.9	25.1	26.9
2	4874.0	30.7	34.8	31.0	31.2	3.4	1.0	34.9	39.0	53.9	19.0	14.9
3	7311.0	30.5	30.6	35.4	32.5	4.3	0.7	38.4	38.5	53.9	15.5	15.4
4	9748.0	30.0	30.2	37.6	32.9	5.3	0.5	40.5	40.7	53.9	13.4	13.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
5	12185.0	NS	NS	39.0	32.2	6.7	0.5	NS	NS	53.9	NS	NS
6	14622.0	NS	NS	40.7	31.1	7.0	0.6	NS	NS	53.9	NS	NS
7	17059.0	NS	NS	49.9	31.1	7.5	0.6	NS	NS	53.9	NS	NS
8	19496.0	NS	NS	37.5	31.8	7.9	0.0	NS	NS	53.9	NS	NS
9	21933.0	NS	NS	38.2	31.4	8.3	0.0	NS	NS	53.9	NS	NS
10	24370.0	34.8	34.8	38.8	30.3	9.4	0.0	43.2	43.2	53.9	10.7	10.7

Test Distance 1.0m : Distance Factor(Dfac) = $20\log(3/1.0) = 9.5\text{dB}$

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

*NS: Non Signal

Test report No. : 27KE0162-HO-A
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Radiated Spurious Emission(above 1GHz) 11g Tx, Ch: High

UL Japan, Inc.
Head Office EMC Lab. No.4Semi Anechoic Chamber

Company : Fujitsu Limited
Equipment : B-PAD
Model : CA06178-A521
Sample No. : 0001
Power : DC 3.7V
Mode : WLAN 11g 54Mbps 2462MHz
Remarks : Hor X , Ver Y-axis

REPORT NO : 27KE0162-HO
REGULATION : FCC15.247(d)/RSS-210A8.5
TEST DISTANCE : 3/1m
DATE : 06/21/2007 : 06/29/2007
TEMPERATURE : 27deg.C : 24deg.C
HUMIDITY : 59% : 62%
ENGINEER : Shinya Watanabe : Shinya Watanabe

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1143.9	55.5	57.8	23.8	34.2	1.7	0.0	46.8	49.1	73.9	27.1	24.8
2	2483.5	67.1	66.7	26.8	32.1	2.6	0.0	64.4	64.0	73.9	9.5	9.9
3	4924.0	42.6	45.6	31.1	31.2	3.4	1.0	46.9	49.9	73.9	27.0	24.0
4	7386.0	42.8	42.3	35.6	32.6	4.3	0.7	50.8	50.3	73.9	23.1	23.6
5	9848.0	43.1	42.2	37.6	32.9	5.4	0.5	53.7	52.8	73.9	20.2	21.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12310.0	NS	NS	39.0	32.1	6.7	0.5	NS	NS	73.9	NS	NS
7	14772.0	NS	NS	40.6	31.0	7.0	0.6	NS	NS	73.9	NS	NS
8	17234.0	NS	NS	42.3	31.1	7.5	0.7	NS	NS	73.9	NS	NS
9	19696.0	NS	NS	37.5	31.8	8.0	0.0	NS	NS	73.9	NS	NS
10	22158.0	NS	NS	38.3	31.3	8.4	0.0	NS	NS	73.9	NS	NS
11	24620.0	46.9	47.5	38.8	30.2	9.4	0.0	55.4	56.0	73.9	18.5	17.9

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

No.	FREQ	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
	[MHz]	HOR	VER					HOR	VER		HOR	VER
		[dBuV]							[dBuV/m]			[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1143.9	35.3	37.1	23.8	34.2	1.7	0.0	26.6	28.4	53.9	27.3	25.5
2	2483.5	52.3	51.4	26.8	32.1	2.6	0.0	49.6	48.7	53.9	4.3	5.2
3	4924.0	30.5	33.3	31.1	31.2	3.4	1.0	34.8	37.6	53.9	19.1	16.3
4	7386.0	30.8	29.7	35.6	32.6	4.3	0.7	38.8	37.7	53.9	15.1	16.2
5	9848.0	29.0	30.5	37.6	32.9	5.4	0.5	39.6	41.1	53.9	14.3	12.8
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
6	12310.0	NS	NS	39.0	32.1	6.7	0.5	NS	NS	53.9	NS	NS
7	14772.0	NS	NS	40.6	31.0	7.0	0.6	NS	NS	53.9	NS	NS
8	17234.0	NS	NS	42.3	31.1	7.5	0.7	NS	NS	53.9	NS	NS
9	19696.0	NS	NS	37.5	31.8	8.0	0.0	NS	NS	53.9	NS	NS
10	22158.0	NS	NS	38.3	31.3	8.4	0.0	NS	NS	53.9	NS	NS
11	24620.0	35.3	35.3	38.8	30.2	9.4	0.0	43.8	43.8	53.9	10.1	10.1

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.

*NS: Non Signal

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Test report No. : 27KE0162-HO-A
Page : 44 of 60
Issued date : August 8, 2007
FCC ID : EJE-BPAD05

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

UL Japan, Inc.
Head Office EMC Lab. No.1Semi Anechoic Chamber

Company : Fujitsu Limited
Equipment : B-PAD
Model : CA06178-A521
Sample No. : 0001
Power : DC 3.7V
Mode : WLAN 11b 2437MHz
Remarks : Hor X , Ver Y-axis

REPORT NO : 27KE0162-HO
REGULATION : FCC15.247(d)/RSS-Gen 7.2.3
TEST DISTANCE : 3/1m
DATE : 06/29/2007
TEMPERATURE : 24deg.C
HUMIDITY : 62%
ENGINEER : Shinya Watanabe

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1040.0	44.8	45.0	24.8	34.2	1.7	0.0	37.1	37.3	73.9	36.8	36.6
2	1144.0	48.0	51.0	25.1	33.8	1.9	0.0	41.2	44.2	73.9	32.7	29.7
3	2437.0	41.6	40.9	27.4	31.5	3.1	0.0	40.6	39.9	73.9	33.3	34.0
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	4874.0	41.2	40.8	31.7	30.7	3.9	0.0	36.6	36.2	73.9	37.3	37.7
5	7311.0	41.1	41.2	35.9	31.3	4.6	0.0	40.8	40.9	73.9	33.1	33.0
6	9748.0	44.4	43.8	38.2	32.1	5.4	0.0	46.4	45.8	73.9	27.5	28.1

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN		
		HOR	VER					HOR	VER		HOR	VER	
		[dBuV]						[dB/m]			[dB]		[dBuV/m]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	1040.0	33.8	34.0	24.8	34.2	1.7	0.0	26.1	26.3	53.9	27.8	27.6	
2	1144.0	33.8	34.9	25.1	33.8	1.9	0.0	27.0	28.1	53.9	26.9	25.8	
3	2437.0	30.3	30.4	27.4	31.5	3.1	0.0	29.3	29.4	53.9	24.6	24.5	
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
4	4874.0	29.6	29.6	31.7	30.7	3.9	0.0	25.0	25.0	53.9	28.9	28.9	
5	7311.0	30.3	30.4	35.9	31.3	4.6	0.0	30.0	30.1	53.9	23.9	23.8	
6	9748.0	31.6	31.7	38.2	32.1	5.4	0.0	33.6	33.7	53.9	20.3	20.2	

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

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Test report No. : 27KE0162-HO-A
Page : 45 of 60
Issued date : August 8, 2007
FCC ID : EJE-BPAD05

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

UL Japan, Inc.
Head Office EMC Lab. No.1Semi Anechoic Chamber

Company : Fujitsu Limited
Equipment : B-PAD
Model : CA06178-A521
Sample No. : 0001
Power : DC 3.7V
Mode : WLAN 11g 2437MHz
Remarks : Hor X , Ver Y-axis

REPORT NO : 27KE0162-HO
REGULATION : FCC15.247(d)/RSS-Gen 7.2.3
TEST DISTANCE : 3/1m
DATE : 06/29/2007
TEMPERATURE : 24deg.C
HUMIDITY : 62%
ENGINEER : Shinya Watanabe

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1040.0	44.3	47.9	24.8	34.2	1.7	0.0	36.6	40.2	73.9	37.3	33.7
2	1144.0	46.9	52.2	25.1	33.8	1.9	0.0	40.1	45.4	73.9	33.8	28.5
3	2437.0	43.3	41.5	27.4	31.5	3.1	0.0	42.3	40.5	73.9	31.6	33.4
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	4874.0	41.1	40.7	31.7	30.7	3.9	0.0	36.5	36.1	73.9	37.4	37.8
5	7311.0	42.3	41.3	35.9	31.3	4.6	0.0	42.0	41.0	73.9	31.9	32.9
6	9748.0	43.5	44.6	38.2	32.1	5.4	0.0	45.5	46.6	73.9	28.4	27.3

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER					HOR	VER		HOR	VER
		[dBuV]						[dBuV/m]			[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1040.0	33.2	34.1	24.8	34.2	1.7	0.0	25.5	26.4	53.9	28.4	27.5
2	1144.0	34.2	36.1	25.1	33.8	1.9	0.0	27.4	29.3	53.9	26.5	24.6
3	2437.0	30.6	30.7	27.4	31.5	3.1	0.0	29.6	29.7	53.9	24.3	24.2
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac												
4	4874.0	29.1	29.1	31.7	30.7	3.9	0.0	24.5	24.5	53.9	29.4	29.4
5	7311.0	30.3	30.7	35.9	31.3	4.6	0.0	30.0	30.4	53.9	23.9	23.5
6	9748.0	31.6	31.7	38.2	32.1	5.4	0.0	33.6	33.7	53.9	20.3	20.2

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.

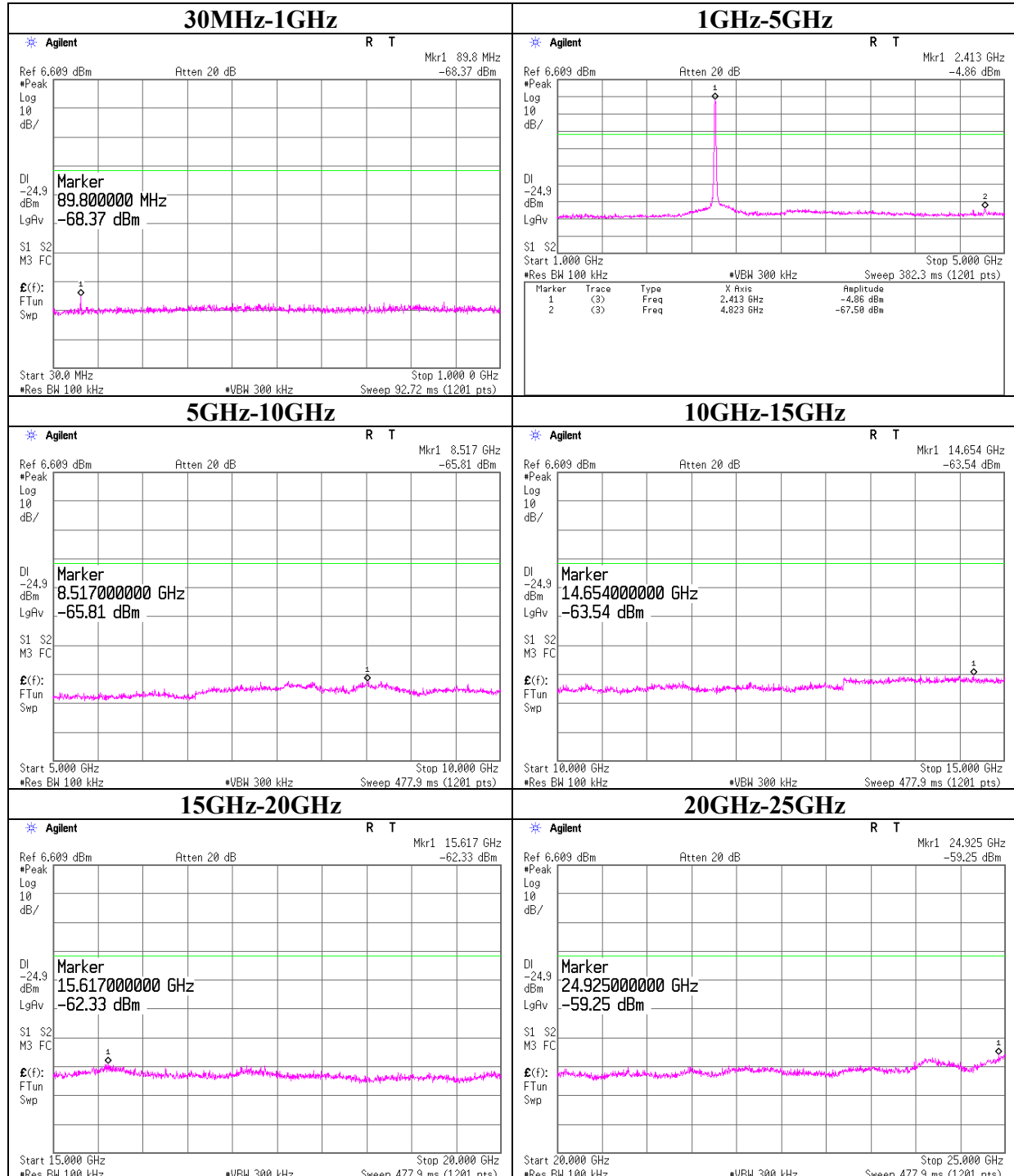
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.

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

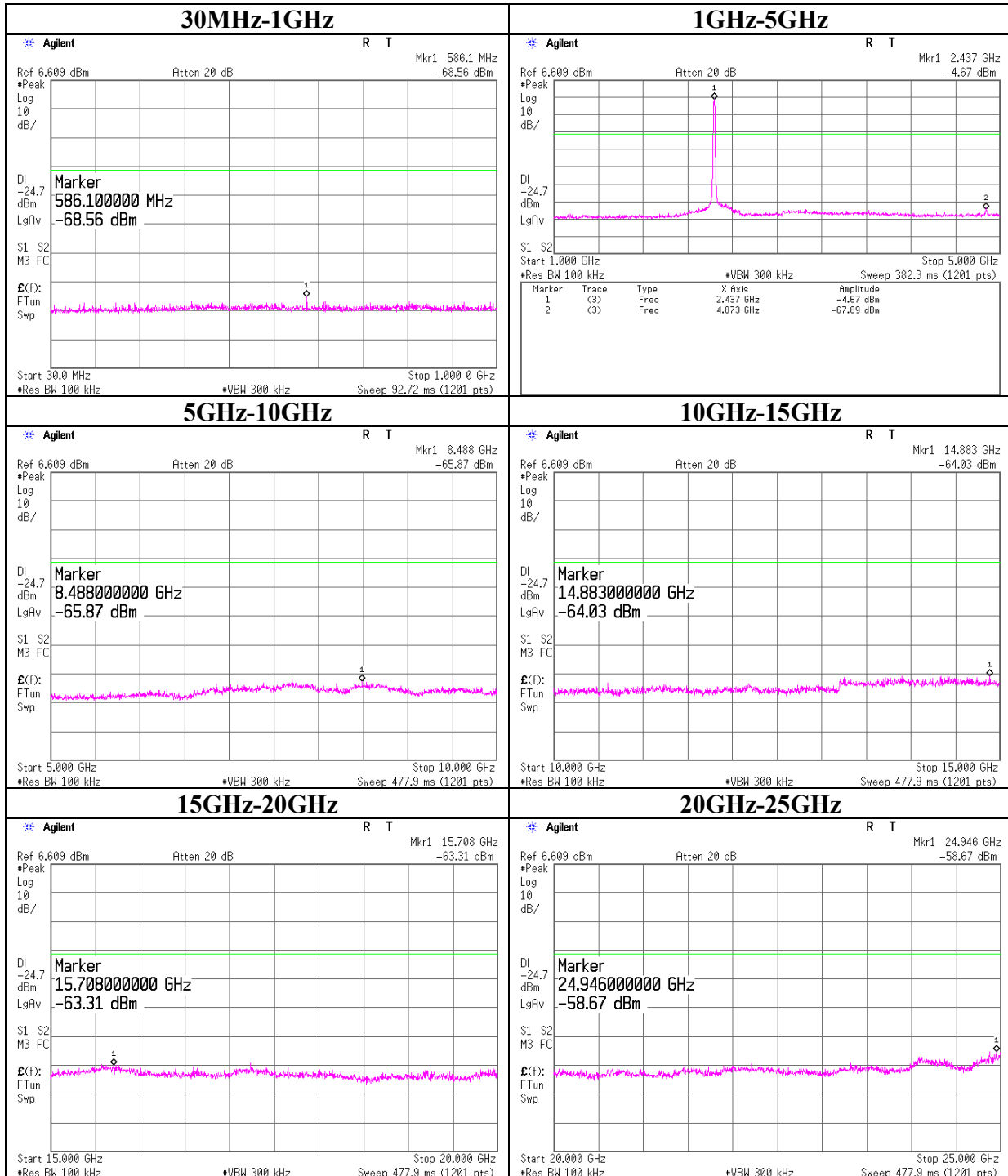
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

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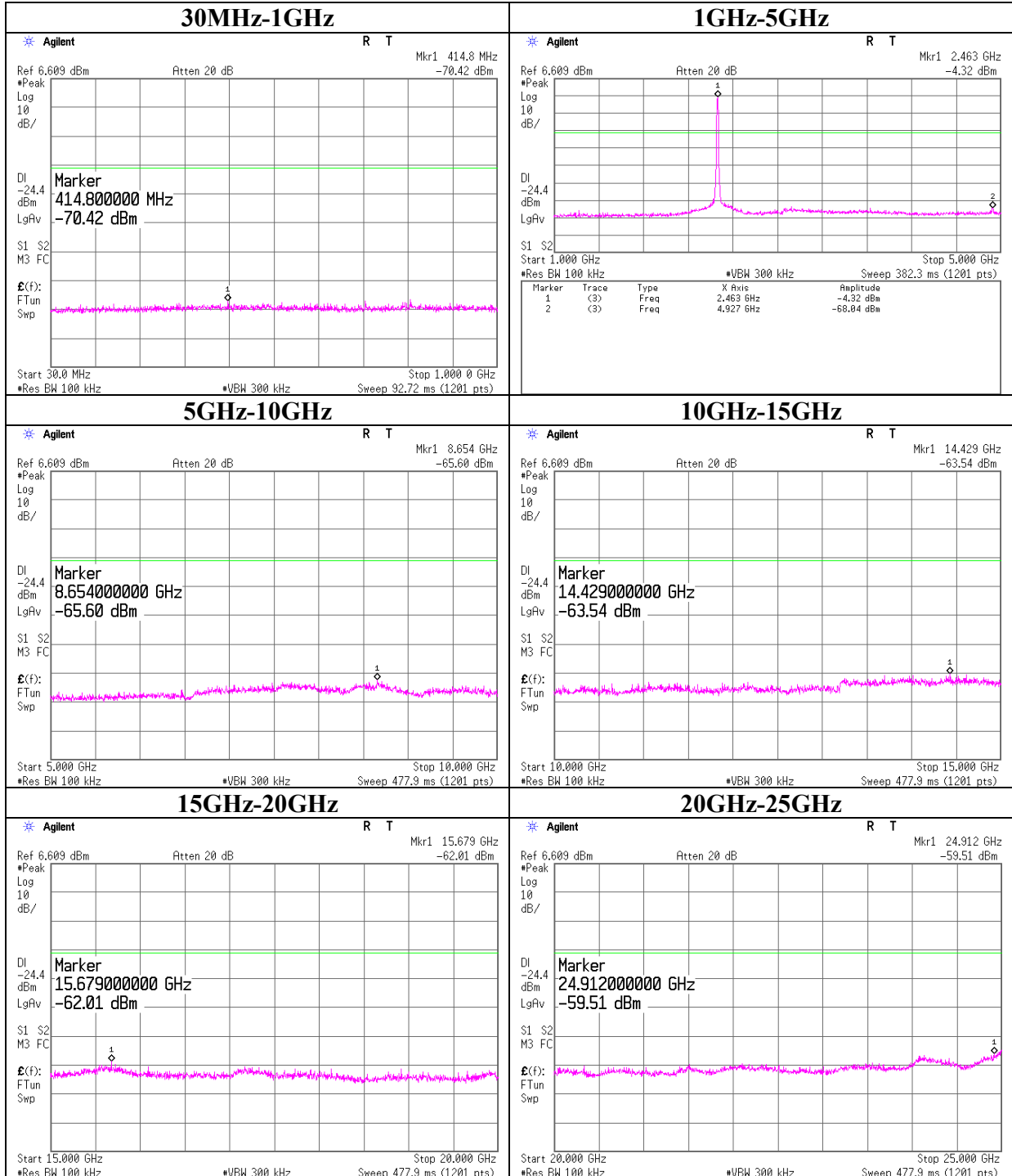
Conducted Spurious Emission
11b Tx, Ch: Low



Conducted Spurious Emission
11b Tx, Ch: Mid

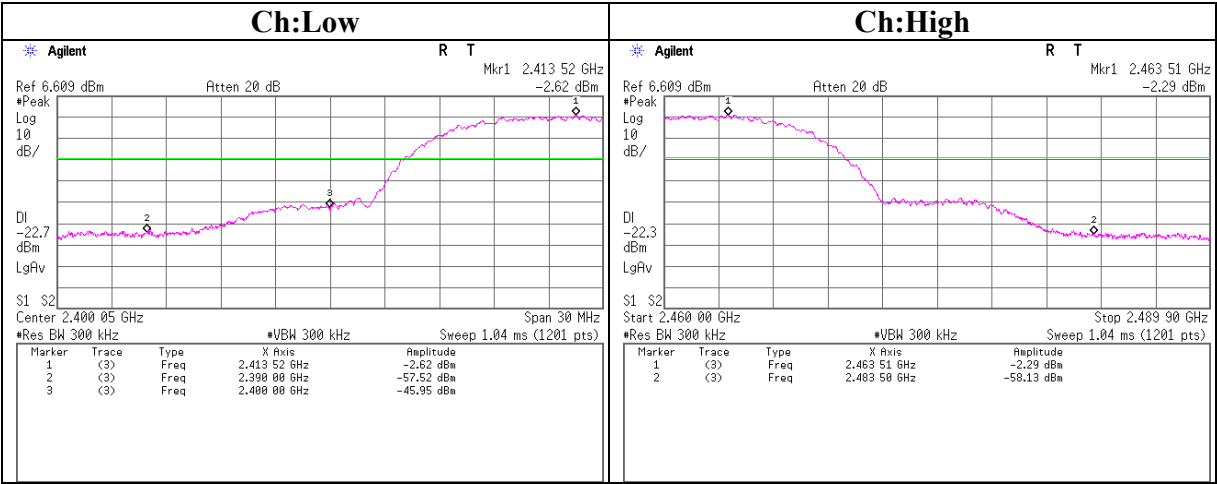


Conducted Spurious Emission
11b Tx, Ch: High

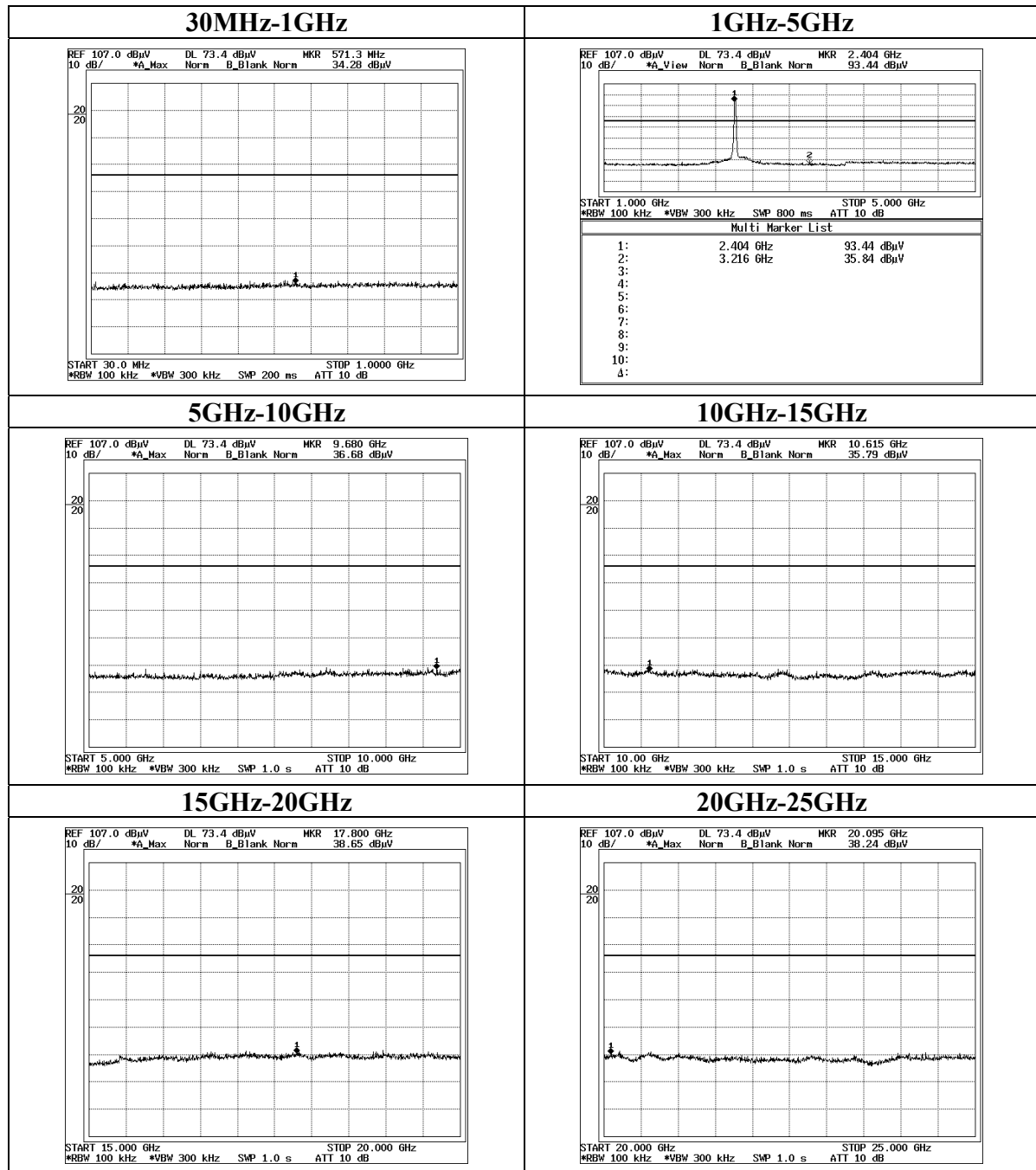


Conducted emission Band Edge compliance

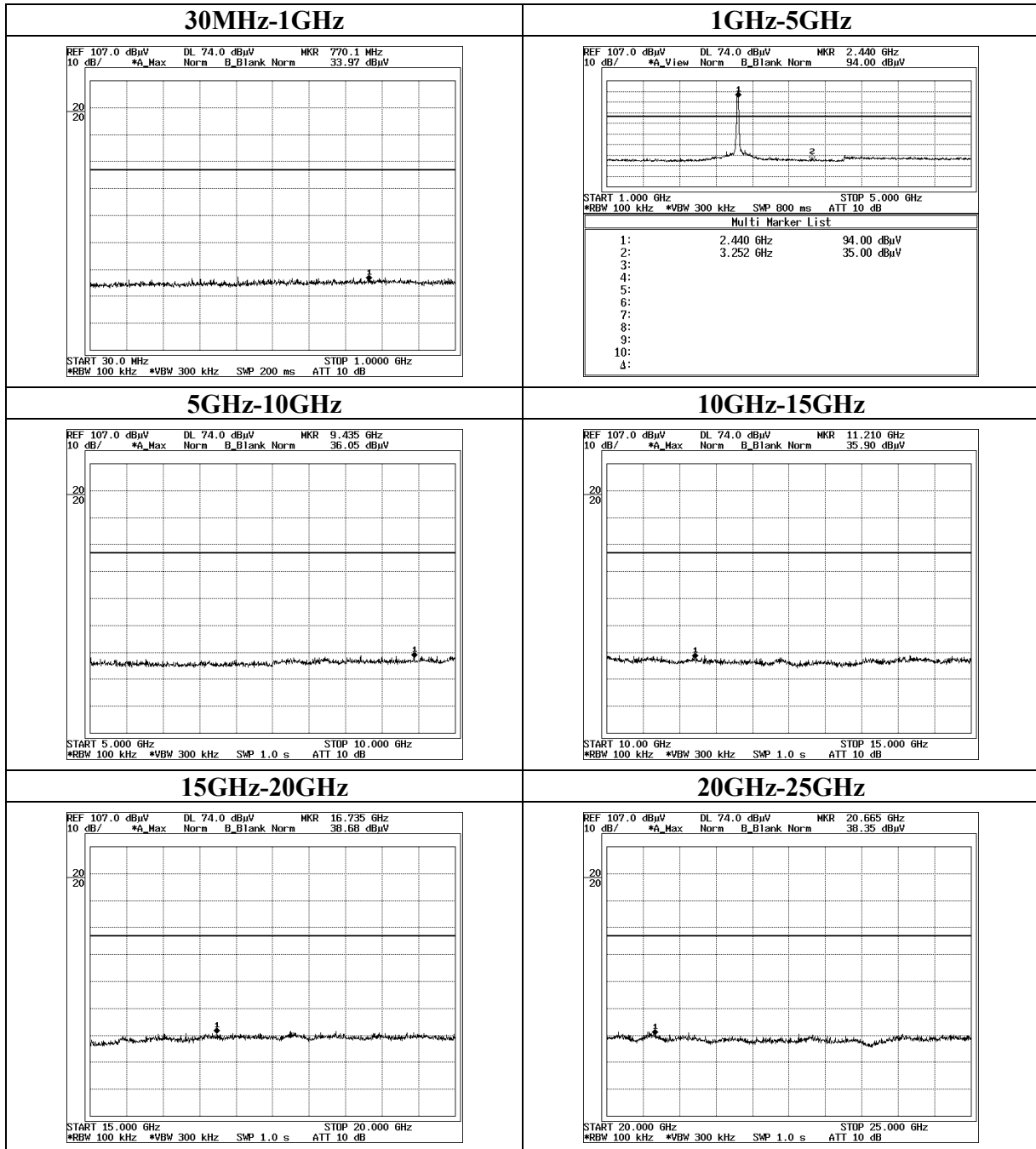
11b



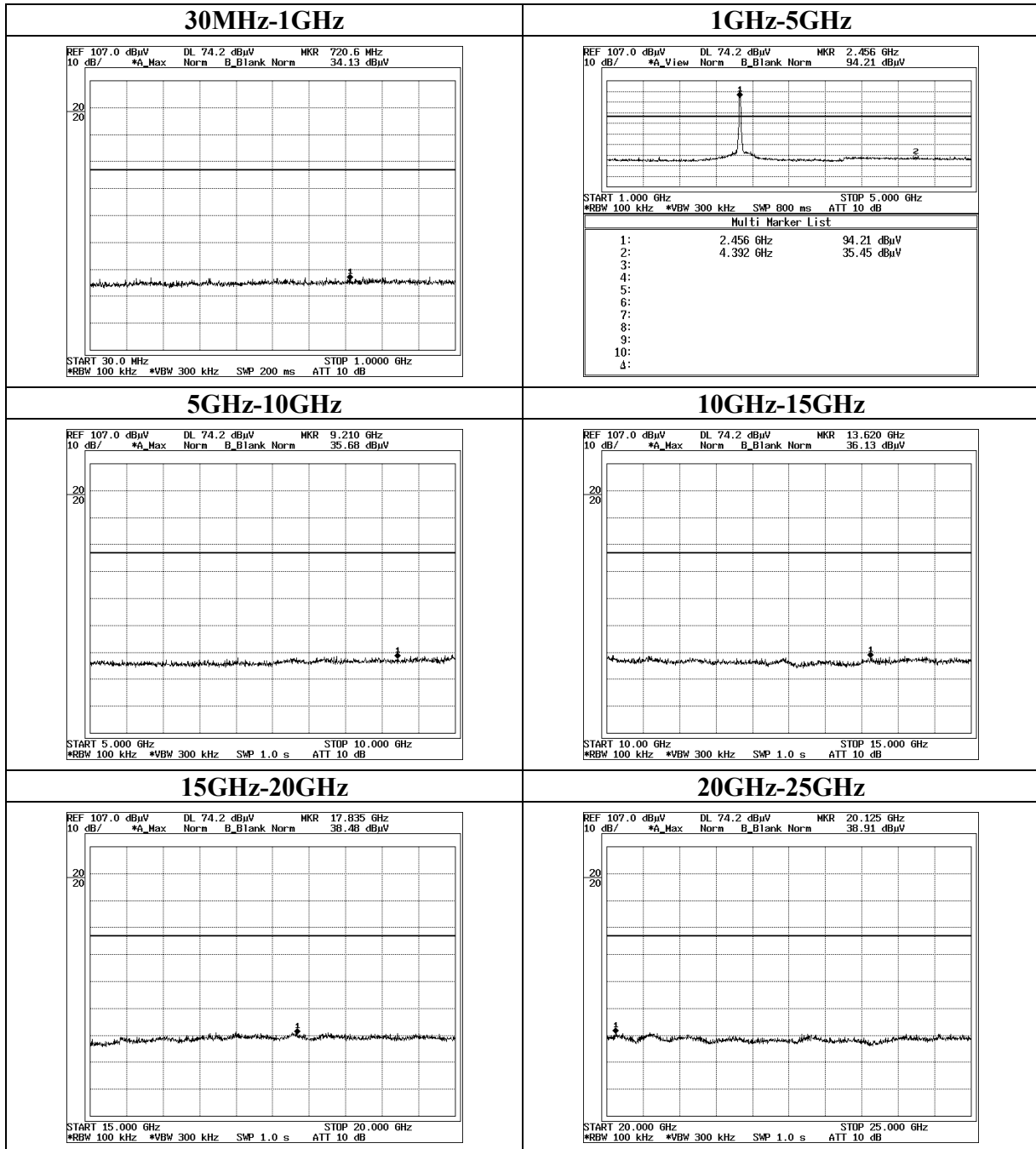
Conducted Spurious Emission
11g Tx, Ch: Low



Conducted Spurious Emission
11g Tx, Ch: Mid

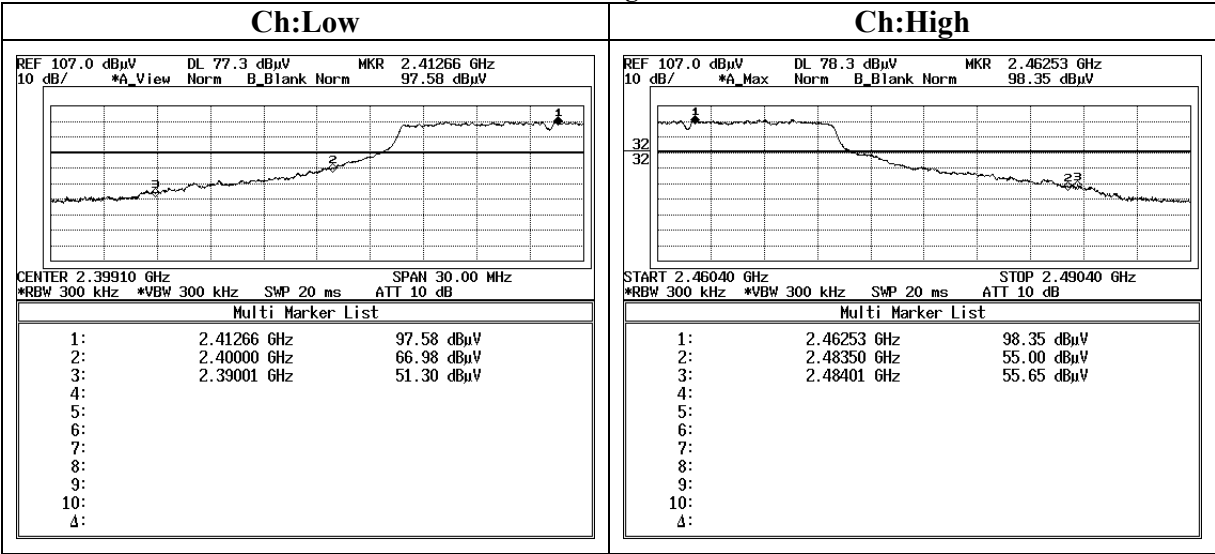


Conducted Spurious Emission
11g Tx, Ch: High



Conducted emission Band Edge compliance

11g



Power Density

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Head Office EMC Lab. No.7 Shielded Room

Company	: Fujitsu Limited	REGULATION	: FCC15.247(e)/RSS-210A8.2(2)
Equipment	: B-PAD	TEST DISTANCE	: -
Model	: CA06178-A521	DATE	: 06/25/2007
Sample No.	: 0001	TEMPERATURE	: 24°C
Power	: DC 3.7V	HUMIDITY	: 54%
Mode	: Tx 11b 11Mbps / 11g 54Mbps	ENGINEER	: Shinya Watanabe

[IEEE802.11b]

Ch	Freq. [MHz]	Reading [dBm]	Cable [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.7	-20.04	1.3	10.0	-8.8	8.0	16.8
Mid	2437.7	-18.95	1.3	10.0	-7.7	8.0	15.7
High	2462.4	-18.88	1.2	10.0	-7.6	8.0	15.6

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

[IEEE802.11g]

Ch	Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2412.4	-26.03	1.3	10.0	-14.8	8.0	22.8
Mid	2437.6	-27.10	1.3	10.0	-15.8	8.0	23.8
High	2461.4	-26.42	1.2	10.0	-15.2	8.0	23.2

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

UL Japan, Inc.

Head Office EMC Lab.

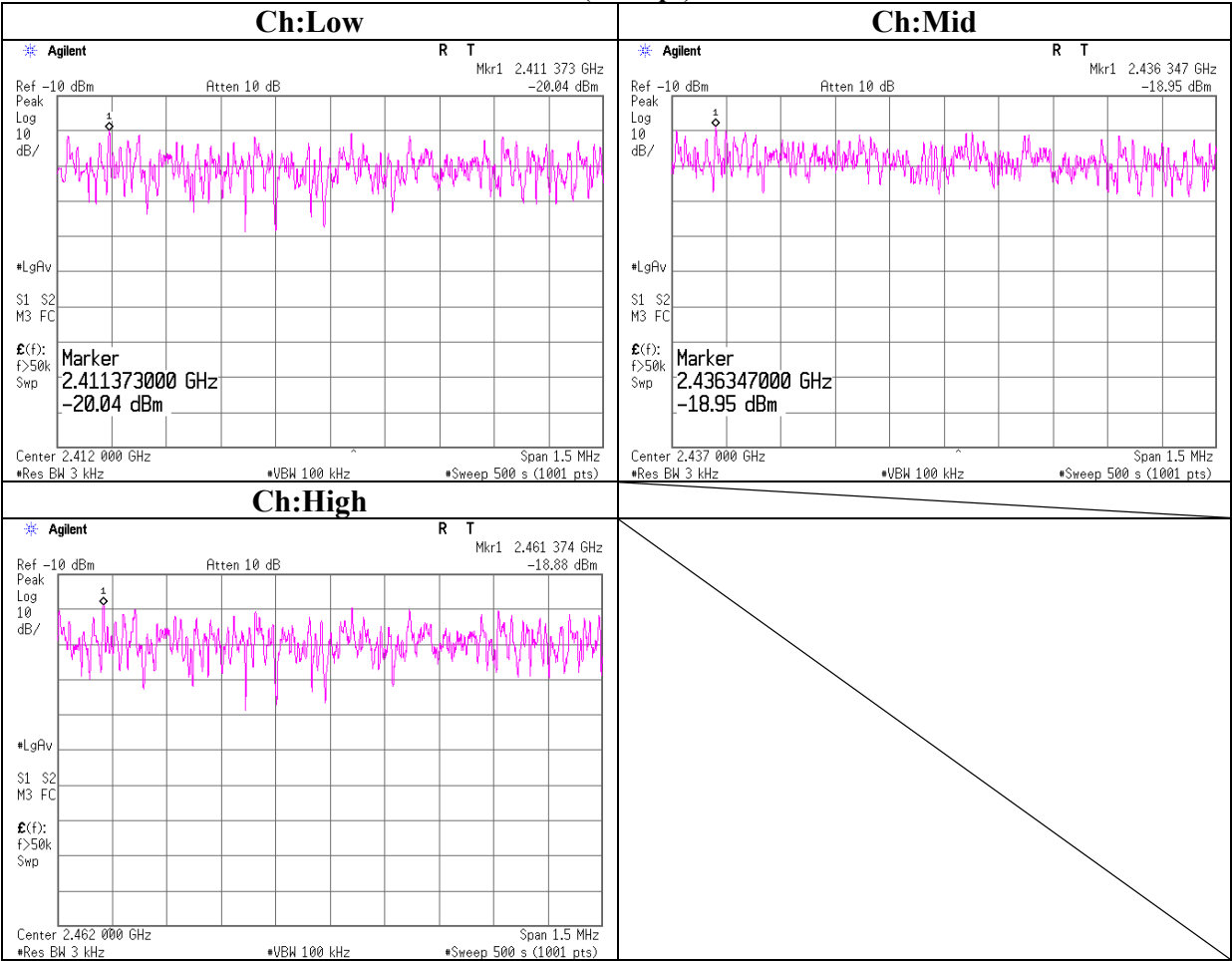
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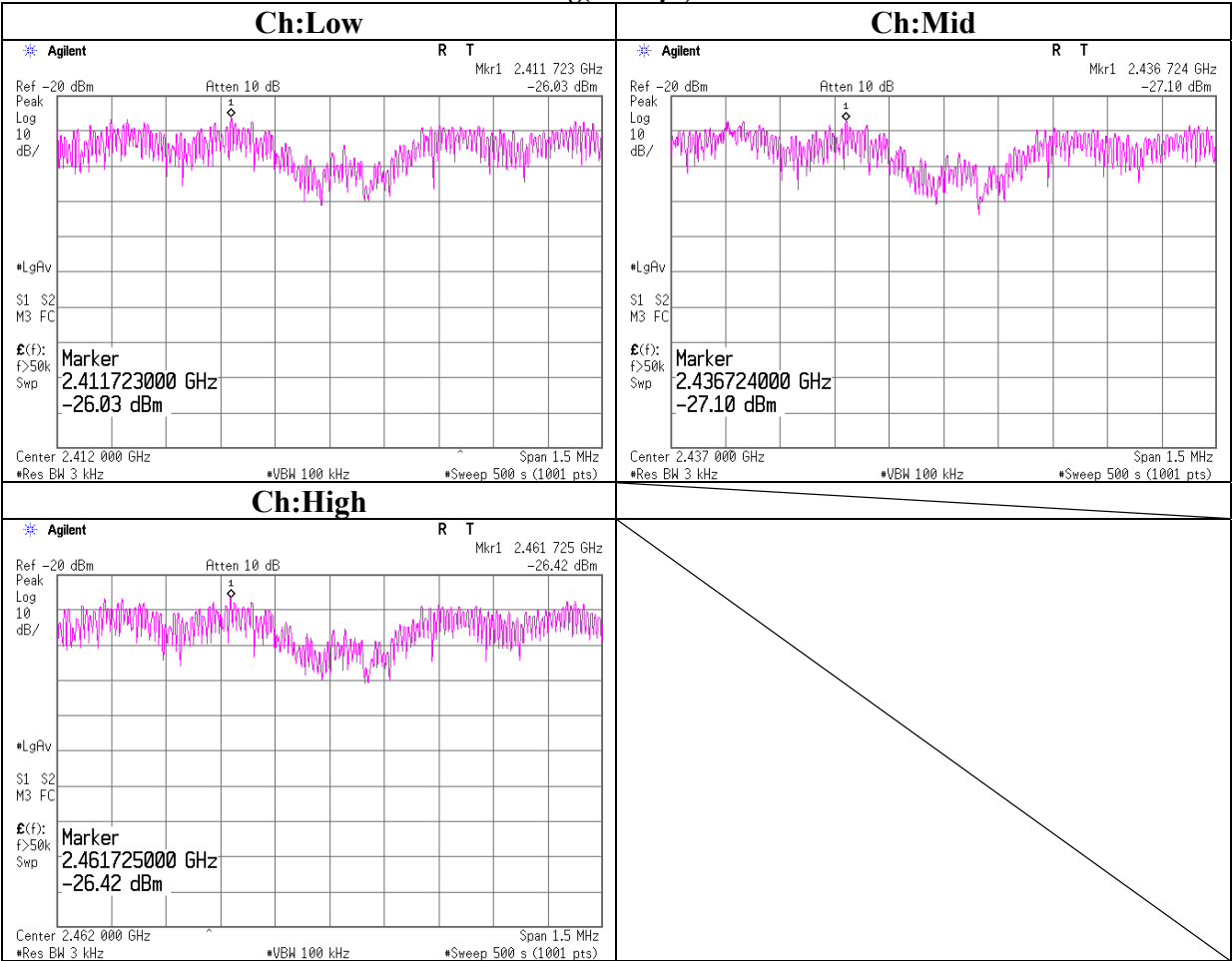
Power Density

11b(11Mbps)

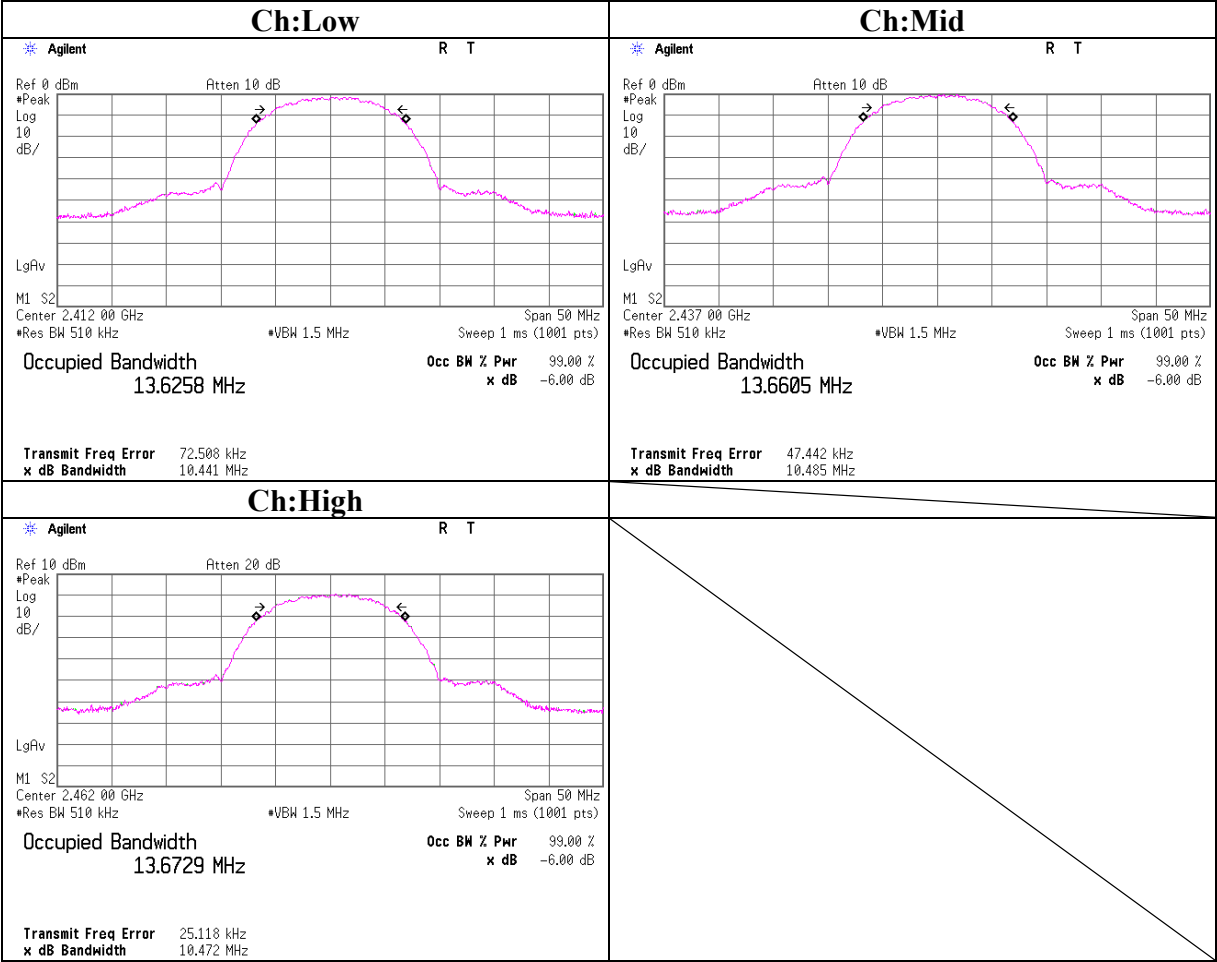


Power Density

11g(54Mbps)

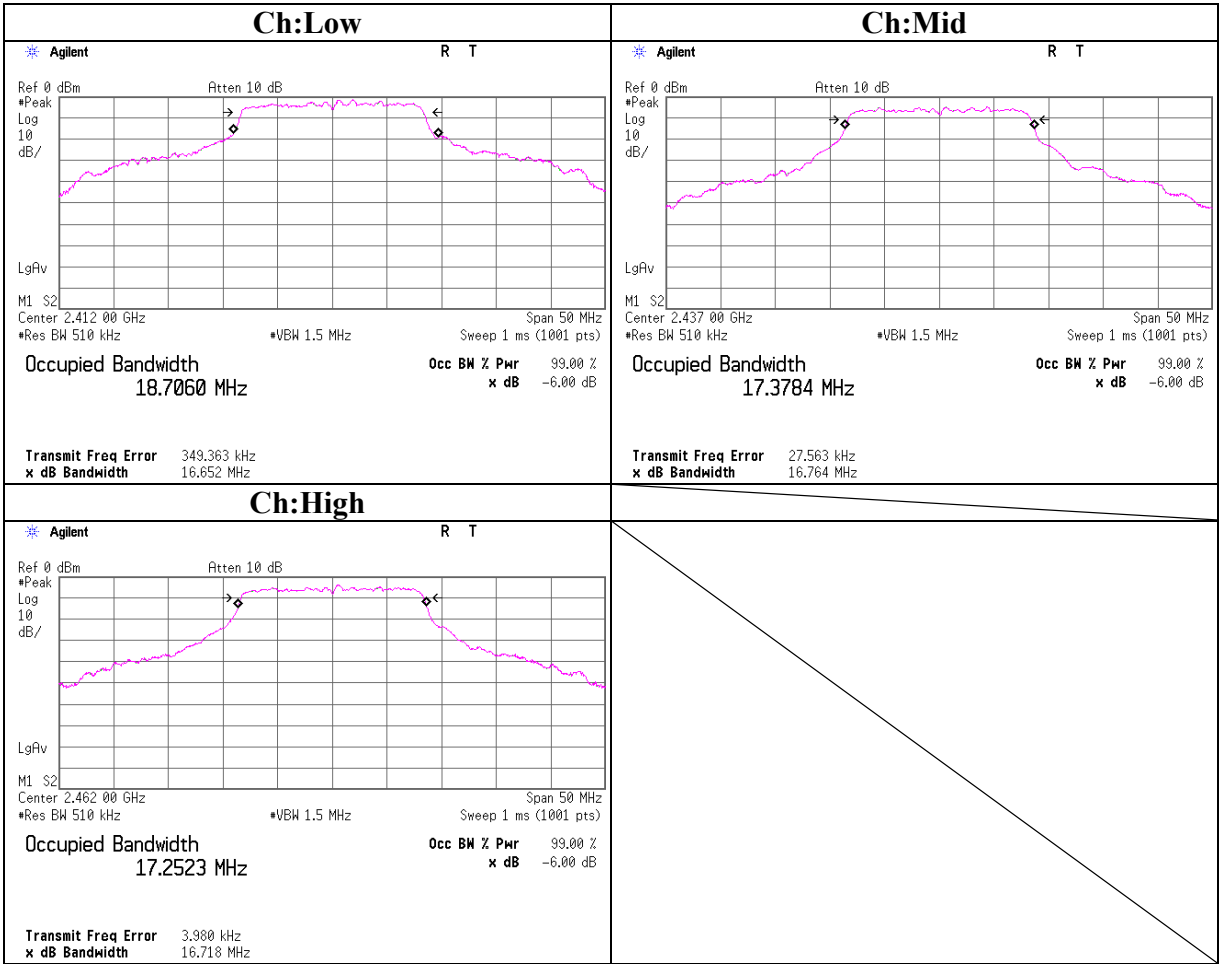


99%Occupied Bandwidth
11b(11Mbps)



99%Occupied Bandwidth

11g(54Mbps)



APPENDIX 3:Test instruments

EMI test equipment (1/2)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-04	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/03/03 * 12
MOS-15	Thermo-Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MJM-07	Measure	PROMART	SEN1955	RE	-
MHA-21	Horn Antenna 1-18GHz	Schwarzbeck	BBHA9120D	RE	2006/08/17 * 12
MCC-57	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/03/30 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	RE	2007/03/12 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	RE/AT	2007/06/01 * 12
MHF-05	High Pass Filter 3.5-18GHz	Tokimec	TF323DCA	RE	2007/01/16 * 12
MCC-26	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	AT	2006/08/29 * 12
MAT-22	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	AT	2007/03/07 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2006/09/20 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2006/09/20 * 12
MTR-06	Test Receiver	Rohde & Schwarz	ESCS30	RE	2006/09/12 * 12
MCC-50	Coaxial cable	UL Japan	-	RE	2007/03/06 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	RE	2007/03/12 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	RE	2007/03/05 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/01/19 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2007/01/19 * 12
MSA-04	Spectrum Analyzer	Agilent	E4448A	AT	2007/06/20 * 12
MPM-08	Power Meter	Anritsu	ML2495A	AT	2006/09/20 * 12
MPSE-11	Power sensor	Anritsu	MA2411B	AT	2006/09/20 * 12
MAT-23	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	AT	2007/03/07 * 12

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EMI test equipment (2/2)

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (AE)	2007/02/22 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2007/02/22 * 12
MTA-07	Terminator	MCL	BTRM-50	CE	2007/02/01 * 12
MJG-51	Conversion adapter	-	101 21	CE	-
MJG-52	Conversion adapter	SE	RW-P003	CE	-
MMM-10	DIGITAL HiTESTER	Hioki	3805	RE/CE	2007/01/12 * 12
MHA-16	Horn Antenna 15- 40GHz	Schwarzbeck	BBHA9170	RE	2007/04/06 * 12
MHA-20	Horn Antenna 1- 18GHz	Schwarzbeck	BBHA9120D	RE	2007/04/14 * 12
MPA-11	MicroWave System Amplifier	Agilent	83017A	RE	2007/03/02 * 12
MCC-56	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/03/29 * 12
MAEC-03	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/03/05 * 12
MOS-12	Thermo- Hygrometer	Custom	CTH-180	RE	2006/01/19 * 24
MJM-06	Measure	PROMART	SEN1955	RE	-
MHF-12	High Pass Filter 3.5-18GHz	TOKIMEC	TF323DCA	RE	2006/12/18 * 12

The expiration date of the calibration is the end of the expired month.

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Test Item:

CE: Conducted Emission

RE: Radiated Emission

AT: Antenna Terminal Conducted

UL Japan, Inc.

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